## A Grammar of Anong

LANGUAGE DEATH UNDER INTENSE CONTACT


B Y
HONGKAISUN AND GUANGKUN LIU

Translated, annotated, and supplemented by Fengxiang Li, Ela Thurgood and Graham Thurgood

# A Grammar of Anong 

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## PREFACE TO THE ENGLISH EDITION

This volume evolved out of a National Science Foundation Grant that Professsor Sun Hongkai participated in. As part of his contribution to the grant, Sun Hongkai and Guangkun Liu wrote a grammar of Anong. This book is a translation of that grammar, but differs from the Chinese version in several ways. Most of them are minor, such as the differences between Chinese and English linguistic terminology; here, the consequences of these differences have been relatively small. The intent was always clear from the examples. A second difference lies in the considerably expanded lexicon, which includes all the known Anong forms: Sun's original lexicon was a version of the standard lexicon found at the end of various grammars in this particular genre. We have included not just the forms in the original but all the forms found in the book and the accompanying texts as well as all the forms in Sun's other wordlists. Annotation through footnotes is found scattered throughout the text. Sun's original footnotes, a mere handful, have been incorporated into the text. Thus, all the footnotes in this English version are our own comments-something Sun invited us to do. More substantial is the appendix by Ela Thurgood, which provides an instrumental acoustic analysis of Anong based on some of Sun's recorded material. Finally, various references have been updated and occasionally new ones added.

This translated, annotated, and supplemented English version is a joint effort by Li Fengxiang, Ela Thurgood, Graham Thurgood, and, of course Sun Hongkai, who generously answered our numerous questions. The overwhelming bulk of the translation was done by Fengxiang, with small pieces here and there done by Graham (but always checked by Fengxiang). The instrumental analysis in the appendix is the work of Ela. The bulk of the editing was done by Graham as was the preparation of the manuscripts, including the lexicon and the texts. All contributors helped with the proofing of the texts, a tedious but necessary task. Randy LaPolla provided valuable information on Trung and Rawang, David Bradley generously supplied valuable information on Anong, especially on the Anong of Myanmar. We thank them both for their help.

## ORIGINAL PREFACE

Research on the Anong language began in 1960, already more than 40 years ago. I recall investigating Anong for the first time. I was full of energy as the young lad I was, but now my head is completely silver. It is humbling to realize that 40 years has failed to sharpen my mind.

The completion of the Anong manuscript has lifted a heavy burden on me. However, when I recall the many people who helped me in this undertaking, such as the Nu ethnic elders, cadres, and many others, an overwhelming sense of heavy-heartedness came upon me. They all treated me with such warmth. When I said goodbye to them at the end of my fieldwork trip in 2003, they presented me with a crossbow as a gift, which is the most coveted possession of a Nu male, a gesture to tell me that they considered me a member of their own. I want to thank Hán Wénjùn, Yànà, Lǐ Shàoēn, Fàn Guópǔ, and Wáng Jìmén as well as many other Nu elders, cadres, and intellectuals. Every time I went to the area to investigate Nu languages, they helped me in every way possible. Without their help, I could not have completed the research and writing of this book.

Except for twice when I entered the Nujiang valley by myself, on all the rest of the trips to investigate the languages spoken by the Nu ethnic group, I had other colleagues working together with me, climbing hills and fording streams. Duò Jí was with me on the 1960 fieldwork trip. On the 1965 trip, Liú Lù was with me. Zhāng Jūn and Dù Ruòmíng went with me on the 1987 trip. Huáng Chénglóng and Zhōu Máocǎo joined me on the 1995 trip. Yáng Jiànglǐng was with me on the 1999 trip. And in 2003, Liú Guāngkūn was with me. To these people, I owe my heart-felt gratitude.

I have received support from many organizations to cover the expenses incurred in the many fieldwork trips and research I have undertaken over the years. Among those supporting this work are Research Institute of Minority Languages of the Chinese Academy of Social Sciences, the Institute of Anthropology and Ethnology of the Chinese Academy of Social Sciences, the Key Projects Fund of the Chinese Academy of Social Sciences, the Chinese National Social Science Research Foundation, the Hong Kong City University Research Foundation, the United Nations UNESCO Endangered Languages

Endowment, and the United States National Science Foundation (NSF). I would like to thank all of them for their support.

This book was completed at California State University, Chico. Professor Lǐ Fèngxíang (Frank Li) and Professor Dù Guānmíng (Graham Thurgood) not only applied for and obtained the National Science Foundation (NSF) grant that partly supported this work, but also invited us to come to the United States to write the book. For four months of intense, day-and-night work, they not only set up a good working environment but also helped and cared for us. We were touched and will always remember this incredible experience.

Finally, I want to convey my heart-felt thanks to my wife and collaborator Liú Gāngkūn. She not only proof read and verified every page of the manuscript, correcting every error and omission, but also built the word list and accompanied me on the fieldwork trips, helping and taking care of me. We have been with each other for almost 50 years now. She shares credit for every accomplishment I have had.

## ABBREVIATIONS

| 1sG | First person singular |
| :--- | :--- |
| 1P | First person |
| 2P | Second person |
| 3P | Third person |
| 2SG | Second person singular |
| 3sG | Third person singular |
| ABL | Ablative |
| ADV | Adverb(ial) |
| AGT | Agent |
| APPR | Approximative |
| ASP | Aspect |
| ASP | Aspect |
| CAUS | Causative |
| CLF | Classifier |
| COM | Comitative |
| CONJ | Conjunction |
| COP | Copula |
| DAT | Dative |
| DEF | Definite |
| DIM | Diminutive |
| DIR | Directional |
| DO | Direct object |
| DU | Dual |
| EXCL | Exclusive |
| EXP | Experiential |
| FUT.FH | Future first-hand |
| FUT.HS | Future hearsay |
| IMP | Imperative |
| INCH | Inchoative |
| INCL | Inclusive |
| IND | Indicative |
| INSTR | Instrumental |
| INTER | Interjection |
| IO | Indirect object |
| LOC | Locative |
|  |  |
| IS |  |


| NEG | Negation |
| :--- | :--- |
| NOM | Nominalizer |
| NPST | Non-past |
| OBJ | Object |
| OPT | Optative |
| OV | Object-Verb |
| P | Pronoun; Pronominal |
| PASS | Passive |
| PL | Plural |
| POSS | Possessive |
| PRF | Prefix |
| PRT | Particle |
| PST | Past |
| REDUP | Reduplication |
| REC | Reciprocal |
| REFL | Reflexive |
| RQ | Rhetorical question |
| SG | Singular |
| SOV | Subject-Object-Verb |
| SUF | Suffix |
| SUP | Supplicative |
| SVO | Subject-Verb-Object |
| TEMP | Temporal |
| Vo | Verb-Object |
| VOC | Vocative |

The research in this paper is supported in part by National Science Foundation Grant No. 60232 Endangered Languages in China. Sun Hongkai, along with Li Fengxiang and Graham Thurgood, were participants in the grant.

## CHAPTER ONE

## INTRODUCTION

## 1．1．The Anong People

The Anong people are a subgroup of the Nu ethnic group（nationality）． Their autonym is $\mathrm{a}^{31}$ nuy ${ }^{35}$ ．The Nu ethnic group has four components： Nusu，Zauzou，Trung，and Anong．The four groups speak four different languages，namely，Nusu，Zauzou，Trung，and Anong．Linguistically， both Nusu and Zauzou belong to the Yi subgroup of the Lolo－Burmese branch of Tibeto－Burman while Anong and Trung are part of the Jingpo branch．${ }^{1}$ The most populous group is Nusu with about 12,000 people distributed over Lúshuiǐ and Fúgòng counties in the Nujiang Lisu Autonomous Prefecture of Yunnan Province；it has three dialects with major differences between them．Zauzou is the smallest of the four groups with a little over 2000 people distributed mainly in Lánpíng County with a few in Lúshuiř County in the Nujiang ${ }^{2}$ Lisu Autonomous Prefecture of Yunnan Province；it has only minor differences among its sub－dialects．

Table 1：The Nu ethnic group

| autonym | language <br> name | language <br> subgroup | number of <br> speakers |  |
| :--- | :--- | :--- | :--- | :--- |
| Nusu | Nusu <br> （怒苏 Nùsū） | Lolo－Burmese <br> $(=Y i)$ | 12,000 | 3 diverse dialects |
| Anong | Anong <br> （啊侬 Anóng） | Jingpo <br> subgroup | 380 | also in Burma |
|  | sing |  |  |  |

[^0]Table 1 （cont．）

| autonym | language <br> name | language <br> subgroup | number of <br> speakers |  |
| :--- | :--- | :--- | :--- | :--- |
| Anong | Trung <br> （独龙 Dúlóng） | Jingpo <br> subgroup | 6500 | minor <br> differences；a |
| Zauzou | Zauzou <br> （揉若 Róuruò） | Lolo－Burmese <br> （＝Yi） | 2200 | Trung dialect <br> sub－dialectal <br> differences |

Two groups call themselves Anong．Distinct from the Anong described in this book are the Trung，who consist of about 6000 speakers residing in Gòngshān County and the Biǐngzhōngluò area in the Nujiang Lisu Autonomous Prefecture of Yunnan Province． Their autonym is a ${ }^{31}$ num ${ }^{35}$ ．Investigation reveals that another group also designating themselves as Anong live in Gòngshān County；they are very closely related to Trung．Their language is a dialect of Trung， which can be called the Nujiang dialect of Trung．This Nujiang dialect of Anong language is very similar to Trung；it is basically mutually intelligible，with only minor phonological differences and hardly any differences in their grammatical structures and lexicon．Finally，there are the Anong described here，who are distinct from the Trung group， but who certainly belong to the same subgroup．

## 1．2．Population Distribution

The Anong people are located within the boundaries of Fúgòng County in the Nujiang Lisu Prefecture of Yunnan Province．Its total popula－ tion is around 7000，with 2200 living in Shàngpà Township， 1100 in Žilijiia Township， 2100 in Lùmǎdēng Township，and 2200 in Lìshādǐ Township．The rest are scattered in various other places in the county． Their approximate geographical position is roughly 98.7 latitude and 27.1 longitude．The region is very mountainous with the turbulent Nujiang flowing through the whole territory from north to south．To the east of the river，lies the towering snowy Biluó mountain，and to the west stands the Gāolígòng mountains with a year－round snow cover． The Anong live in the valley between the two mountains with some on the tablelands on the hillsides．The Anong are surrounded by vari－ ous ethnic groups，with Burma in the west，the Tibetan Autonomous Region in the north，and the Lisu，Bai and Han in its midst．There are
said to be some Anong in the Enmméikāi River reaches in the border region between China and Burma, but information about their actual locations and specific population figures is not available.

### 1.3. Legends about the Origin of the Anong People

Anong does not have a writing system, ${ }^{3}$ and there is no record in Chinese historical documents of this ethnic group. According to an Anong legend, long, long ago, there was a great flood. Among the ancestors of the Anong people, a brother and a sister hid themselves in a big gourd which protected them from the disaster. In order to continue the ancestral line of the Anong people, the brother and sister got married and had nine boys and seven girls. The first child was an Anong, the second was a Trung, and the rest were Han, Tibetan, Bai, Lisu and Naxi. The Anong settled down in the Nujiang region, while the rest went to far away places to make a living. Because of this legend, the elders all believe that the Anong are the indigenous people of the Nujiang region.

The Anong have a tradition of memorizing family genealogies. I had Mr. Hán Wénjùn, who has since passed away, recite his family genealogy of 28 generations, which is given below. If we assign 25 years to each generation, the Hán family has a history of at least 700 years. According to the elders in Mùgǔijǎ Village, the cave in the mountain behind Mùgǔjiǎ Village was the home of the ancestors of the Anong people. Sometimes, the Anong still go there to pay respect to their ancestors. Also, there are two big pieces of stone which are bigger than a house. The Anong consider them to be God sent and worship the stones. The bigger one is called the male stone and the small one is called the female stone. These anecdotal elements indicate that the Anong are the earliest Nujiang region residents.

[^1]Table 2：Hán Wénjùn＇s genealogy to 28 generations

|  | Name in IPA | In Chinese characters |  | Funeral method |
| :---: | :---: | :---: | :---: | :---: |
| 1 | $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} l \mathrm{ln}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{ij}{ }^{55}$ | 蒲兰青 | pú lánqīng | cremation |
| 2 | $\mathrm{ni}_{0} \mathrm{i}^{31} \mathrm{dun}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{in}{ }^{55}$ | 尼冬青 | ní dōngqīng | cremation |
| 3 | $\left.g \mathrm{u}^{31} \mathrm{la}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}\right)^{55}$ | 格拉蓬 | gé lāpéng | cremation |
| 4 | $\left.m u^{31} 1 a^{55} p^{\text {h }} u\right)^{55}$ | 墨拉蓬 | mò lāpéng | cremation |
| 5 | $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{la}^{31} \mathrm{~S} 1^{55}$ | 塔拉石 | tǎ lāshí | cremation |
| 6 | $\mathrm{ga}^{55} \mathrm{xan}^{55}$ | 嘎汉 | gā hàn | cremation |
| 7 | i $\varepsilon^{55} \mathrm{ium}{ }^{55}$ | 叶映 | yè yìng | cremation |
| 8 | $\mathrm{i}^{55} \mathrm{~g} \varepsilon^{31}$ | 叶盖 | yè gài | cremation |
| 9 | $\mathrm{da}^{31} \mathrm{~s}^{\text {h }} \mathrm{dr}^{31} \mathrm{du}^{55}$ | 达桑德 | dá sāngdé | cremation |
| 10 | $n \mathrm{n}{ }^{5} \mathrm{k}^{\mathrm{h}} \mathrm{um}{ }^{31}$ | 尼空 | ní kōng | cremation |
| 11 | $\mathrm{n}_{0} \mathrm{i}^{55} \mathrm{za}^{31}$ | 尼惹 | ní rě | cremation |
| 12 | $\mathrm{a}^{31} \mathrm{dzun}{ }^{31}$（duy ${ }^{31}$ ） | 阿俊 | ā jùn | cremation |
| 13 | $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{En}^{55}$ | 阿坎 | ā kǎn | cremation |
| 14 | $\mathrm{ka}^{35} \mathrm{mi}^{31}$ | 喀密 | kā mì | cremation |
| 15 | dum ${ }^{31} \mathrm{ba}^{31} \mathrm{xom}^{31}$ | 德巴鸿 | dé bāhóng | cremation |
| 16 | ts $^{\text {h }} 1^{31} \mathrm{xum}^{55} \mathrm{xom}^{31}$ | 慈衡鸿 | cí hénghóng | cremation |
| 17 | nua ${ }^{55} \mathrm{l}^{31}$ | 瓦斯 | wǎ sī | cremation |
| 18 | yua ${ }^{55} \mathrm{ni}^{31}$ | 瓦尼 | wǎ ní | cremation |
| 19 | $\mathrm{ua}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{si}^{31}$ | 瓦恰西 | wǎ qiàxī | cremation |
| 20 | ts $^{\text {b }}{ }^{31}$ xumy ${ }^{55}$ | 慈衡 | cí héng | cremation |
| 21 | $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{co}^{53}$ | 科秀 | kē xiù | cremation |
| 22 | $\mathrm{gu}^{31} l^{55} \mathrm{bi}^{55}$ | 古赖碧 | gǔ làibì | cremation |
| 23 | $\mathrm{dum}^{55} \mathrm{di}^{53}$ | 德帝 | dé dì | burial |
| 24 | $\mathrm{g} \varepsilon^{31} \mathrm{io}^{55}$ | 盖尧 | gài yáo | burial |
| 25 | $\mathrm{s}^{\mathrm{h}} \varepsilon^{53} \mathrm{dz1}{ }^{31}$ | 塞紫 | sāi zǐ | burial |
| 26 | $n \varepsilon^{55} \mathrm{ta}^{55}$ | 年达 | nián dá | burial |
| 27 | $\mathrm{xu}^{31} \mathrm{me}^{35} \mathrm{~d} \mathrm{mo}{ }^{31}$ | 何麦局 | hé màijú | burial |
| 28 | dum ${ }^{55} \mathrm{gie}^{55}$ | 德结 | dé jié | burial |

## 1．4．Social and Economic Conditions

Before the liberation（1949），the Anong mainly engaged in farming， with a little fishing and gathering on the side．Although the husband and wife nucleus family structure had been well established，and land was privatized，within the same tribe，there was still frequent collec－ tive farming，labor swap，and land and draft animal borrowing．The gap between the rich and the poor had already started to widen，and riches had begun to be concentrated among a few．Some limited land sales had taken place but no instances of land leasing activities．Some rich families had begun to possess slaves，usually one or two for one or
two years, and they were always people from outside the Anong ethnic group. Loaning money without charging interest was common though some charged high interest. Commodity exchange was quite backward, often taking the form of a bartering system. Things often bartered were herbs, farm and husbandry products, salt, and cloth. No market existed yet. Cows were often used as the basic exchange items. Farmland was well established, but the percentage of land to be left fallow each year was very high, usually about $45 \%$. The means of production and the farming method were both very backward. Farming tools were highly limited in number and type. Their farming skills were very crude; no fertilization or weeding was practiced. They mostly relied on nature to take care of the crops. They still practiced a certain degree of slash and burn farming. The natural environment was not conducive to farming. The arable land is mostly on the hillside with a thin layer of soil that is full of stones, making it very difficult to farm. As a result, what they could get from the land was never enough to feed themselves, so they had to fish and gather to survive.

### 1.5. Traditions

### 1.5.1. Dwelling

In the past, the Anong lived in caves. A few hundred years ago, they started to build thatched houses through mutual help with self-prepared materials. Usually, the owner would get the materials such as hay, bamboo, and wood ready and on the day of construction, friends and relatives would come with tools, some with food and wine while others with bamboo strips, etc. to contribute to the owner. Building a house is a truly collective effort; some would be responsible for putting in the foundational pillars, some would be in charge of making bamboo mats, some would work on constructing the roof, and oftentimes a house can be completed in a day. In the evening, the owner would treat all of the participants (sometimes up to 20 or 30 people) to a meal with meat and wine.

Usually, the Anong choose a spot on the hillside for a place to build a house. They would first build a platform using wooden poles as legs. Then they would use bamboo mats as flooring material. The platform is usually about a meter high from ground level, or a little higher, but rarely over two meters. The walls are made of bamboo mats. The roof is thatched with a thick layer of hay. The door usually opens in the
direction with the slope. The space by the sides of the door outside the house is usually used for storing firewood and for drying clothes. In some households, an airing platform is built close to the door for drying grain or for outdoor activities. The space next to the doorway inside the house is used for storage. Clothing is hung over the bamboo rack behind the door. The middle of the house is the cooking area with a fire stove. When guests come for a visit, they usually sit around the fire stove. Beds are set against the walls. Sometimes the house is divided into several sections as bedrooms for older kids or newly-weds. The number of households in various villages range from several to a few dozen irregularly scattered on the hillsides.

### 1.5.2. Diet and Food Sources

The staple for the Anong is maize, which is supplemented by buckwheat and beans. Rice is grown along the riverbank areas, but the yield is very low. Their main cash crop is the rhizome of Chinese goldthread. The rhizome of Chinese goldthread used to grow in the wild. Growing it domestically has only about a hundred year history. This cash crop is the main source of income for the Anong. They also grow some lacquer, walnut, and tung trees. The Anong use oil from lacquer tree seeds for cooking. Animal husbandry is limited to raising cows, pigs, and chickens in small numbers. Gathering is the main supplemental food source with a wide array of varieties, such as bamboo shoots, wild mushrooms, wild vegetables, and tubers. Elderly Anong speakers can name dozens, even hundreds of varieties of wild vegetables, wild mushrooms, wild tubers, and bamboo shoots.

### 1.5.3. Marriage and Family

The patriarchal husband and wife family structure has already been established, but remnants of the matriarchal social system, such as intra-ethnic polygamy, still exists, manifested mainly through kinship terms, the wife inheriting over brothers, and the power the maternal uncle possesses. Marriages are usually arranged by the parents. When children come of age, their parents pick the potential spouse from a comparable family and ask a go-between to arrange the marriage for them. Their engagement is announced when parents on both sides agree to the marriage. Customs require engagement gifts, the quantity of which is negotiated by the two families. However, the gifts must include
a cooking pot with a tripod cooking rack. To some extent, marriage is mercenary. Marriage between near relations is forbidden, but marriage between maternal cousins is permitted. No sex is allowed before marriage, and children out of wedlock are discriminated against.

### 1.5.4. Burial

Generations ago, the Anong buried the dead through cremation. Burial in the ground is a more recent phenomenon. The change of burial method is said to be attributable to a shortage of firewood. Tombs can be found in the vicinity of the villages. The dead body is wrapped in a bamboo mat and put in a wooden coffin, which is then put into a stone grave that is covered by a yellow dirt mound. Some of the tombs are marked.

### 1.5.5. Religion

The Anong are polytheists. They believe that everything has a spirit, including the sky, the earth, the sun, the moon, mountains, rivers, trees, grasses, and animals. They attribute all illnesses and disasters to gods and ghosts, which is why whenever there is a calamity, they offer sacrifices to ask god for protection. Each village has its own shaman, called $\mathrm{da}^{31} \mathrm{~S}_{1}{ }^{55} \mathrm{phu}{ }^{31}$. The shaman is responsible for organizing all activities related to offering sacrifices to ghosts, driving away ghosts, welcoming gods, sending gods away, calling back the spirits of the dead for healing purposes, or praying for rain. In most cases, when such activities take place, an essential part is sacrificing animals. For major activities, animals such as pigs, sheep or cows are offered, while in minor activities, chickens, piglets or baby goats are sacrificed. Being the shaman is not a full time job, though a certain amount of compensation is given to the shaman after such activities.

In recent times, Christianity has been introduced into the area. It is said that in 1932 a Canadian missionary named Mà Dàomíng brought Christianity to the Fúgòng region. Churches have been built in villages in the surrounding area where Mùgǔjiǎ Village is located. Many of the locals have been converted to Christianity.

### 1.6. The Language of the Anong People

Anong is a Tibeto-Burman language in the Jingpo subgroup. It is similar to Trung, a language belonging to the same subgroup, but considerably different from Nusu, a Lolo-Burmese language spoken by the largest component of the Nu ethnic group. Most of the former Anong speakers no longer speak the language. They either speak Lisu or Chinese. Some speak Bai. Only some of the Anong in Mùgǔjiǎ, Kǎshí, Mùlèng, Lāgāgòng, Āníqià, and Lāhǎigòng villages still speak Anong.

### 1.6.1. Research on Anong

Nobody else has done any research on Anong. ${ }^{4}$ I have been to the Anong region seven times over the past 40 years or so to do fieldwork on the language. The first time was in 1960, and I spent a total of two months there, September and October. I found a fluent speaker of Anong by the name of Fàn Guópǔ, who was an elementary school teacher. During that trip, I collected over 2000 words and some sentences. At the time, there were about 800 speakers of Anong. My second fieldwork trip took place in April 1965. The main purpose of that trip was to collect data on Nusu, a language spoken by the majority of the people in that region. However, I spent some time in Fúgòng County and collected some examples for certain grammatical structures of Anong. The third time I went to the region to work on Anong was in April and May of 1983. On that trip, I found a fluent speaker in Liùkù, the government seat of the Nujiang Lisu Autonomous Prefecture. His name was Hán Wénjùn. I collected more sentences for various grammatical structures. I wrote a

[^2]grammatical sketch based on the data I collected up to that point. The sketch was published in the Linguistics of the Tibeto-Burman Area (Sun, 1988). Based on information collected on this trip, the number of Anong speakers was estimated to be around 500. The fourth fieldwork trip was carried out in September 1987. On that trip, I surveyed the middle-aged and younger speakers' use of Anong and collected information on their attitudes towards the Anong language. I also collected more data on grammatical structures, family genealogies, and some texts. The fifth trip was in October and November of 1995. On that trip, I sampled the population and conducted a more in-depth survey of the language situation. It was found that only 410 people could still speak Anong. I collected a considerable amount of additional data on the language, especially data on grammatical structures. In January and February of 1999, I went to the region for the sixth time. I went to the villages and conducted one-on-one interview sessions and group discussions to gauge and analyze the language use situation and language attitudes among different sectors of the population. I paid special attention to the structural changes that Anong has been undergoing as an obsolescing language. This was the most productive of all of the trips up to that point. The word list was expanded to close to 5000 from less than 3000. Additional data were collected on grammatical structures and more grammatical structures were found. More texts were collected, and recordings of words, sounds, grammatical examples, and some texts were made. Sadly, I found out during that trip that some of the speakers who were 70 years of age or older had passed away, including Hán Wénjùn the informant I worked with in 1983 and 1987. My estimate based on information collected from the sixth trip was that the number of speakers of Anong dropped to under $400 .{ }^{5}$

### 1.6.2. Anong Language Use

I discovered during my first fieldwork trip to work with the Anong that most of them had already shifted from their native language to Lisu, with others having shifted to Chinese and Bai. This took place before

[^3]the founding of the People's Republic of China in 1949. In 1960, there were about 4300 Anong, with only about 800 Anong speakers left, constituting $18.6 \%$ of the total population. The 1994 census puts the total Anong population at 7200 with 400 Anong speakers ( $5.56 \%$ of the total Anong population). This represents a $70 \%$ drop in the number of speakers who still speak Anong though the actual decrease in the number of Anong is only $50 \%$.

The total population of these Anong villages is around 1000. The villages fan out in the surrounding areas with Mùgǔjiǎ Village in the center. Mùgǔjiǎ Village is essentially inhabited by the Anong with only one Lisu family in it. The other villages have a much higher percentage of Lisu families in them, and there are a considerable number of crossmarriages between Anong and Lisu. In terms of language use, there are about 400 native speakers of Anong, most of whom are bilingual in Anong and Lisu. ${ }^{6}$ A considerable number of them speak Lisu more proficiently than Anong. A few of them are trilingual in Anong, Lisu and Chinese. There is considerable variability among the bilingual and trilingual speakers with respect to their level of proficiency in those languages.

In November 1995, I conducted a survey of the language use situation of the Anong in Mùgǔjiǎ Village, which has the highest concentration of Anong. I interviewed all of the people over 10 years old from all of the households in the village, numbering 104 and 27 respectively. Information collected included name, gender, age, nationality, educational level, and language use. Data on language use included use of their mother tongue, use of Lisu, Chinese, and other languages. I divided the degree of use of the languages into four levels.

## A. Fluent

This level refers to those who can not only engage in every day conversations but can also talk about various topics related to production and daily living and have a vocabulary of 3000 or more.

[^4]
## B. Semi-fluent

This level refers to those who can carry out every day conversations but are no longer very fluent. They have a vocabulary of over 1000, but they are more proficient in their second language.

## C. Limited Proficiency

Speakers at this level only retain the ability to use Anong greetings and produce some simple sentences in Anong. They can no longer fully express themselves in Anong, and their utterances often contain words from their second language. Their vocabulary is highly limited, and they have lost many of the every day words. Their pronunciation is inaccurate and they are very fluent in their second language.

## D. No Proficiency

This group refers to those who have pretty much lost their mother tongue. Some still retain some comprehension with no production, while others have completely lost their mother tongue.

The findings of the survey can be summarized as follows. Of the 104 people sampled from 25 households, 62 belonged to level A comprising $59.6 \%$ of the total number of people sampled; 19 or $18.2 \%$ belonged to Level B; 14 or $13.4 \%$ belonged to Level C; and 7 or $6.7 \%$ belonged to Level D , which indicates that people in Mùgǔjiǎ Village still retain use of their mother tongue. However, analysis of the use of Lisu, their dominant language, showed that the situation was more serious; in Lisu, out of the 104 people surveyed, 96 belong to Level A with only eight belonging to Level $B$. What is more, the eight that belonged to Level B are all elderly who rarely went out. Nobody fell into Level C and Level D in their ability to speak Lisu. This shows that even in an area where Anong speakers are most concentrated, their second language proficiency has far surpassed their ability to speak their mother tongue. Almost all Anong can speak Lisu and the vast majority can speak it better than their mother tongue. With respect to the use of Chinese, my survey showed that out of the 104 people sampled, only 13 belonged to Level A, i.e. $12.5 \%$; 17 belonged to Level B, i.e. $16.3 \%$; 19 belonged to Level C, i.e. $18.3 \%$; and 55 belonged to Level D, i.e. $52.9 \%$. Although only a small number of Anong speak Chinese, they are mostly intellectuals, village cadres, or those who travel outside the village frequently. It should be pointed out that the variety of Chinese they speak is not the Standard Chinese (Putonghua), but a local

Chinese dialect, which is also different from the Kunming dialect. Of the 13 who belonged to Level A, virtually all of them had received either junior high or senior high education. Those that belonged to Level B had received elementary education or some kind of schooling. They all had plenty of opportunities to travel outside the area, and the language of communication across ethnic groups in the region was mainly Chinese and Lisu. They are usually bilingual in Chinese and Lisu. Those who do not speak Chinese tend to be the elderly or women who never traveled outside the area. In the Mùgǔjiǎ Township, there are some Bai households, but no Anong in this area can speak Bai, and most of the Bai can speak either Chinese or Lisu.

Mùgǔjiǎ Village in Mùgǔjiǎ Township has the highest concentration of Anong. Going from door to door one can still hear conversations in Anong, but Lisu is more commonly used. Anong is also used in the villages mentioned above that are located around Mùgǔjiǎ Village, but since those Anong are interspersed with Lisu and other nationalities, hardly any of them have a Level A type of proficiency, though 280 of the Anong in those villages belong to Level B, they are all over 70 years of age. Hardly any of those who are under 50-60 years old can speak their mother tongue. They rarely had the opportunity to use Anong, except if they spoke a few words of Anong when they greeted the elderly. So most of the Anong in those villages belong to either Level C or Level D. It is clear that Anong has lost its function as the means of communication in those villages, having been completely supplanted by Lisu.

The 400 or so Anong speakers mentioned above refer to those who have the ability to speak Anong belonging to Level A and Level B. In actuality, most of them, especially the ones who live in villages other than Mùgǔjiǎ Village, rarely use Anong.

### 1.6.3. Analysis of Anong Attrition

A number of factors contributed to the situation described above. The following are possible reasons based on our long-term field investigations and analysis of our observations.

## (1) The Influence of the Surrounding Environment

The surrounding environment determines language use to a certain extent. According to the genealogies and historical legends of the Nujiang Anong people, the Anong were the indigenous people of the area. They moved here southwards from the Qīnghǎi-Tibetan Plateau
well over 70 generations ago. They also believed that the Nujiang was so-named only after the Nu people had moved here. Therefore, they call the Nujiang the "Nong" River [i.e. the Nujiang]. Legend says that the three brothers of the family parted ways, with some moving northwards to the Gòngshān area. These still call themselves the Anong people today, but due to a lack of contact over an extended period of time, their language became very different from that spoken by the Anong around Fúgòng County. Later, these Anong in the Gòngshān area moved again towards the Dúlóng River, to form the present-day Trung nationality. Therefore, the languages spoken by the Nujiang Anong in the Gòngshān area and the Trung are very similar, and may even be considered two dialects of the same language. Another group moved westwards into Burma.

During the 1940s to 1950s, ${ }^{7}$ the Lisu and Bai people migrated gradually into the Nujiang area. As they were powerful and populous, they occupied a large area along the middle reaches of the Nujiang. Gradually cultural assimilation of the Anong who remained in the region occurred, due to a long period of contact with the surrounding ethnic groups, i.e. the Lisu and Bai. The Anong lost many of their distinctive characteristics, including their own language. Therefore, by the time the People's Republic of China was founded, the vast majority of the Anong in this area no longer spoke their mother tongue. During the 50 years since New China was established, this trend of assimilation has continued.

## (2) Intermarriage

The Anong have been a relatively open-minded community. In the Nujiang area, they coexisted peacefully with other ethnic groups. Intermarriage was common, especially with the Lisu. The Anong has complex phonological and grammatical systems. We observed that, even in those few villages where the Anong were in the majority, people from the few households of other ethnic groups living among the Anong did not

[^5]learn Anong. In Anong families where one of the members had married someone from another ethnic group, even though there was only one non-Anong member in the family, he or she very rarely learned Anong. On the contrary, Lisu became the common language of the family. My Anong language consultant is a typical example. Among the Anong, his mother tongue proficiency belonged to Level A. However, his wife was Lisu, and they had been married for over 30 years. Even now, she could only speak Lisu though she can understand Anong. In his family, Lisu was the common language of communication. They had three daughters and a son. Like their mother, the children only had a limited comprehension of Anong, and could not speak it. Sometimes, their father would consciously use a few Anong sentences at home, but the children would still answer in Lisu. The Anong also intermarry with Bai and Chinese, and the language use situation is more or less the same in such families. They all use Lisu because Lisu is the dominant language in the region. Members of a family learn Lisu first.

## (3) Language Attitudes

During my investigations in the area, I interacted extensively with Anong intellectuals, cadres, as well as other individuals to find out about their attitudes towards the situation of their mother tongue. These attitudes can be summarized into the following three types:

Type One: Some leading cadres and intellectuals are very concerned about the imminent extinction of their mother tongue. They view their language as an important distinguishing characteristic of their nationality, as well as a medium for cultural transmission. Therefore, the disappearance of their language would lead to the loss of cultural phenomena and historical legends, including folk tales, genealogies, music, and poems: this would in turn lead to the loss of their main ethnic distinctiveness.

As early as the 1980s, a leading cadre in the Autonomous Prefecture who was of the Nu nationality had suggested adopting measures to record these languages. Under her guidance, they allocated some funds to enable linguists to record, collate, and publish Nu language data. In her preface to the volumes of Nusu and Zauzou data which had already been published, she stated very clearly:

[^6]have promoted changes and development in their languages. The new situations and new problems which have occurred have required careful consideration, research, and resolution. One such problem which has attracted attention concerns those languages and dialects which have small numbers of speakers. In modern society, fewer and fewer people are speaking these languages and dialects, with some being on the verge of extinction. These include the Nusu and Anong languages of the Nu nationality. Language is a cultural form and is also the medium by which ethnic history, literature, religion, and customs are transmitted. Although a decline in the numbers of speakers of these languages or even their extinction may be an inevitable trend within social development, the loss of these forms of cultural expression is without doubt a regrettable fact of history. Therefore, many within the ethnic groups of this prefecture have appreciated the severity of the situation and have actively promoted the urgent task of preserving linguistic and cultural material.

These words reflect very clearly the basic attitude of ethnic intellectuals towards the imminent extinction of their mother tongues. A few among them also hope to record their language in a phonetic written form, in order to more accurately preserve the linguistic data.

Type Two: A small number of Anong intellectuals and individuals support the disappearance of their own language. Their views are that speaking "Chinese is most useful, as it can be used all over China"; "Once we have learned to speak and write Chinese, we can become cadres and gain more knowledge of important national issues"; and "We can understand easily what is said on the radio or television". Their attitude towards using Lisu is: "We must learn Lisu because we are surrounded by Lisu speakers, and must speak Lisu on the streets. If we can't speak Lisu, we can't go anywhere." Regarding the imminent extinction of their own language, their view is that: "It doesn't really matter. It may even be better if it becomes extinct, as everyone will then speak the same language. It will be much more convenient because we won't need translators anymore." Some Anong people feel that their own language is "primitive", and that it cannot be used to express many new concepts. Therefore, using Chinese or Lisu is more convenient. This group of people is strongly opposed to the creation of a phonetic alphabet or writing system, as they feel that any such project would be "unnecessary".

Type Three: The majority of cadres, individuals, and intellectuals have an indifferent attitude towards the disappearance of their mother tongue.

They consider this to be inevitable, and think that it is better to follow the natural course, since worrying about it is of no use.

Needless to say, Anong is seriously endangered.

### 1.7. Other Related Issues

### 1.7.1. The Anong of China Have no Writing System

The Anong of China have apparently never wanted to create a writing system for their language. ${ }^{8}$ However, we found that among some Anong, there was some religious scripture and some reading materials being circulated that had been brought in from overseas. The language used in these materials is close to Anong. The Anong people can basically decode them, but there are phonological and lexical differences. This shows that there may be languages similar to Anong on the Burma side. However, lack of information on their speakers and the lack of materials for comparison makes it impossible to determine whether the differences between Anong and those languages are dialectal differences or not. Therefore, if we don't take the Burmese Anong into consideration, the Anong language in China is a seriously endangered language soon to become extinct. If we take into consideration the Anong speakers in Burma, then the situation is a bit better because I firmly believe that there are more Anong on the Burmese side.

### 1.7.2. Attrition under Intense Contact

When a language is undergoing attrition due to the impact of linguistic and social surroundings, drastic changes take place in its use and in its structures. As mentioned at the beginning of this chapter, I have carried out seven fieldwork trips in the Anong region, starting in 1960 spanning 40 plus years. In terms of diachronic changes, there should not be a lot of change in such a short time, but large scale historical changes may bring such changes about. During our numerous fieldwork trips to the Nu nationality area, I have witnessed tremendous change in the Nujiang region. The lives of the Anong have undergone major changes

[^7]too. Our records show differences between data collected at different time periods indicating that Anong is a fast changing language. Thus, one of the values of studying Anong is that such data may help us understand patterns of language change. Details and analysis of such changes will be given in chapters on phonology, morphology and syntax.

### 1.7.3. Problems with Mutual Intelligibility among the $N u$

Although the Anong are part of the Nu ethnic group and although they are interspersed with the Nusu who are also part of the Nu ethnic, they can only communicate with the Nusu through Lisu. Even among the Nusu themselves there are dialectal differences that affect mutual intelligibility. However, after living in the same area for an extended period of time, mutual intelligibility within Nusu has increased. Thus, it has been pointed out that there is no clear demarcation lines between dialects, especially in border areas between two dialects, but the division between languages is clear. No matter where they are, mutual intelligibility between distinct languages is always a problem. Here, the degree of mutual intelligibility between Nusu dialects is greater than the degree of mutual intelligibility between Anong and Nusu, supporting the view that difference between languages and dialects can usually be differentiated.

## CHAPTER TWO

## PHONOLOGY

Anong is a language that has retained much of its original TibetoBurman character. Its sound system shows remnants of its originally more complex consonant clusters, although they are now considerably simplified. Only the nasals still occur in the codas; final obstruents have been reduced to a final glottal stop. Tones have emerged and have begun to be used to distinguish the meanings of words, although this is still limited. There is widespread syllable weakening.

Anong is disappearing step-by-step, as it undergoes extensive phonological change. Some of the resulting patterns are systematic; others do not seem to follow any discernible pattern. The changes are portrayed here, with the details laid out, the patterns discussed, and the causes analyzed where possible.

The base line for the phonological system given in this grammatical sketch is based on the most conservative data collected in 1995, except for the glottal stops, which are based on the oldest collected data-the 1960 data-because the 1995 glottal stops vary freely. The IPA notation used here is essentially a broad phonetic transcription coming close to phonemic.

### 2.1. Initial Consonants

### 2.1.1. Single Consonants

Anong has 47 single initial consonants (see Table 3).
Table 3: Anong initial consonants

| stops: |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | aspirated | $\mathrm{p}^{\mathrm{p}}$ - | $\mathrm{t}^{\text {t- }}$ | $\mathrm{t}^{\text {¢ }}$ - |  | $\begin{aligned} & \mathrm{k}- \\ & \mathrm{k}^{\mathrm{h}}- \end{aligned}$ |
|  | voiced | b- | d- | d- |  | g- |
| affricates: |  |  |  |  |  |  |
|  | unaspirated |  | ts- | ts- | tc- |  |
|  | aspirated |  | ts ${ }^{\text {h }}$ - | ts ${ }^{\text {b }}$ - | tct ${ }^{\text {h }}$ |  |
|  | voiced |  | dz- | dz- | d7- |  |

Table 3 (cont.)
fricatives:

|  | voiceless |  | f- | s- | s- | ¢- | x- |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | voiced |  | v- | Z- | Z- | \%- | \%- |
| nasals: |  |  |  |  |  |  |  |
|  | voiceless | m- |  | n. | ทู- | ņ- | ๆ- |
|  | voiced | m- |  | n- | $\eta$ - | n- | y- |
| laterals: |  |  |  |  |  |  |  |
|  | voiceless |  |  | ¢- |  |  |  |
|  | voiced |  |  | $1-$ | $1-$ |  |  |
| semi-vo |  |  |  | I- |  |  |  |

Notes on single consonants:
(1) Aspirated and unaspirated consonants. The aspirated and unaspirated consonants appear with comparatively low frequency. In some words, the voiced stops and voiced affricates alternate freely with their voiceless counterparts.
(2) Nasals. The nasals [m], [n] [ $n$ ], [ n ] can all be syllabic as well as occur in initials and codas (for examples, see the vowel section). The [ $\mathrm{n}_{\mathrm{n}}$ ] is often deleted before [i]. In prefixes, [ n ] occurs in free variation with [o] in prefixes. Some of the voiceless nasals only occur in roots with inflectional suffixes.
(3) Retroflexes. Anong has a set of retroflex consonants, which includes retroflex stops, nasals, and laterals, for example, [ t$],\left[\mathrm{t}{ }^{\mathrm{h}}\right.$ ], [d], [ n$]$, [l]. These retroflex consonants are often palatalized, making them quite similar to the corresponding palatalized series: $[\mathrm{t}]$, $\left[\mathrm{t}^{\mathrm{h}}\right],[\mathrm{d}]$, [ n ], and [l]. In the Anong of semi-fluent speakers, these retroflexed consonants are replaced with their non-retroflexed counterparts: [ t$],\left[\mathrm{t}^{\mathrm{h}}\right],[\mathrm{d}],[\mathrm{n}]$, and [l].
(4) Phonetics of retroflexes. The actual phonetic values of the retroflex fricatives and affricates [tş], [ts $\left.{ }^{\mathrm{h}}\right],[\mathrm{dz}],[\mathrm{s}]$, and [z] are [ t$\left.\}\right],\left[\mathrm{t} \mathrm{s}^{\mathrm{h}}\right]$, [d3], [J], and [3]. In some words, the voiced and voiceless alveolar retroflex fricatives [ s ] and [ z ] occur in free variation with their non-retroflex counterparts [s] and [z]. Also, the retroflex affricates [ ts$]$ ], $\left[\mathrm{ts}{ }^{\mathrm{h}}\right]$, and [dz] occur in free variation with their non-retroflex counterparts $[\mathrm{tc}],\left[\mathrm{t}_{6}{ }^{\mathrm{h}}\right]$, and [ $\left.\mathrm{d}_{7}\right]$ in some words.
(5) The semi-vowel $[\mathrm{I}]$. The semi-vowel $[\mathrm{x}]$ is unstable. Sometimes it is realized as a voiced alveolar fricative or as a voiced alveolar retroflex fricative. It is often deleted before the high, front unrounded vowel [i].
(6) The coronals. The [tç], [tc $\left.{ }^{\mathrm{h}}\right],[\mathrm{d} 7],[\mathrm{n}]$, and [ c$]$ are slightly back and sound close to laminal affricates [ cc$]$, $\left[\mathrm{cç}{ }^{\mathrm{h}}\right],[\mathrm{jj}]$, $[\mathrm{n}]$, and $[c ̧]$.
(7) The glottal stop. The glottal stop [?] occurs both alone in syllable onsets and as a part of consonant clusters. It also occurs in coda position both alone and in combination with nasals. In addition, syllabic nasals have an accompanying glottal stop.
(8) Some of the fricatives are clearly aspirated, but this aspiration is non-phonemic, that is, it does not distinguish the meanings of words, and thus the aspirated fricatives are not treated as separate phonemes.
(9) The glottal fricative mainly occurs with nasalized vowels. The velar fricative occurs in free variation with the glottal fricative in some words.
(10) Voiced nasals and the glottal stop occur both in onset and coda positions.
(11) Voiceless nasals and laterals mainly occur in inflections.

### 2.1.2. Single Initial Consonants

Table 4: Single Initial Consonants

| p | $\mathrm{pi}^{31}$ | brush | $\mathrm{ka}^{55} \mathrm{pu}^{31}$ | cuckoo |
| :---: | :---: | :---: | :---: | :---: |
| $\mathrm{p}^{\text {h }}$ | $\mathrm{p}^{\text {h }} \mathrm{i}^{35} \mathrm{du}^{55}$ | key | $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ | fill in (dirt) |
| b | $\mathrm{bu}{ }^{31}$ | snake | $\mathrm{a}^{31} \mathrm{~b}^{55}$ | goat |
| m | $\mathrm{mij}^{55} \mathrm{nu}^{31}$ | begin; start | mo ${ }^{31} \mathrm{u}^{31}$ | dig |
| m | $\mathrm{mi}^{55}$ | hemp | $\mathrm{la}^{31} \mathrm{ma}^{55}$ | (dry) field |
| f | $\mathrm{fau}^{31}$ | tie, fasten | $\mathrm{fu}^{35}$ | soak |
| v | $\mathrm{vi}^{55} \mathrm{ka}^{31}$ | bottle | $\mathrm{a}^{31} \mathrm{vu}^{35}$ | hand |
| ts | tsui ${ }^{55}$ | crime; guilt | tsi2 ${ }^{55}$ | a frame |
| ts ${ }^{\text {b }}$ | ts $^{\text {h }}{ }^{31}$ | rain | $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{55} \varepsilon^{55}$ | point, tip |
| dz | $1{ }^{35} \mathrm{dziP}^{31}$ | chili | $\mathrm{dzu}^{53}$ | stockaded village |
| s | $\mathrm{si}^{31} \mathrm{di}^{55}$ | true; really | $\mathrm{a}^{31} \operatorname{sun}^{55}$ | reed |
| z | $\mathrm{Zq}^{53}$ | ask | $\mathrm{a}^{31} \mathrm{zu}^{55} \mathrm{u}^{31}$ | write |
| t | $\tan ^{55}$ | (bamboo) joint | $\mathrm{tu}^{31}$ | thousand |
| $\mathrm{t}^{\text {h }}$ | $\mathrm{t}^{\text {h }}{ }^{\text {5 }}$ | one | $\mathrm{t}^{\mathrm{h}} \mathrm{u}^{31}$ | sharp; fast |
| d | $\mathrm{di}^{55} \mathrm{ba}^{35}$ | spider | do ${ }^{31}$ | push |
| n | no $\left.{ }^{31} \mathrm{imq}\right)^{55}$ | stay | nem ${ }^{31}$ | sell (imp.) |
| n | nen ${ }^{55}$ | goods | nem ${ }^{55}$ | ear of millet |
| 4 | $4 \mathrm{ua}^{53}$ | seek; look for | 4am ${ }^{53}$ | roast in sun |
| 1 | $\lim ^{53}$ | bury | $\mathrm{lu}^{35} \mathrm{lu}^{35}$ | (put on) straight |
| t | $\mathrm{ti}^{31} \mathrm{lu}^{53}$ | pay for | $\mathrm{ta}^{53} \mathrm{ni}_{\mathrm{i}}{ }^{33}$ | grow up; mature |
| $\mathrm{t}^{\text {b }}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{man}{ }^{31}$ | old | $\mathrm{id}^{31} \mathrm{t}^{\text {h }} \mathrm{m}^{31}$ | grasshopper |
| d | dim ${ }^{55}$ | kick | do ${ }^{55}$ | durable |
| $\eta$ | $\mathrm{gux}^{31} \mathrm{n}{ }^{55}$ | kneel | $\eta \mathrm{u}^{31}$ | wine |

Table 4 (cont.)

| 0 | no ${ }^{55}$ | sit (imp.) |  |  |
| :---: | :---: | :---: | :---: | :---: |
| $l$ | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{i}^{31}$ | return (money) | go ${ }^{31} \mathrm{un}^{31}$ | curve, bend |
| ts | $\mathrm{pau}^{31} \mathrm{ts}^{55}$ | newspaper | sud $^{55} \mathrm{tsan}^{55} \mathrm{ua}^{55}$ | reckon accounts |
| ts ${ }^{\text {h }}$ | $\mathrm{ts}^{\mathrm{h}} 1^{31}$ | buttocks | $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{55}$ | breast; udder |
| dz | dzil ${ }^{31}$ | expand; swell | $\mathrm{dzu}^{55} \mathrm{~S}^{31}$ | raise; lift |
| S | $\mathrm{Sa}^{55} \mathrm{Sl}^{31}$ | urine | So ${ }^{55}$ | enclosing wall |
| Z | Z. ${ }^{55}$ | be | $\mathrm{a}^{31} \mathrm{z}_{1} \mathrm{n}^{31} \varepsilon^{55}$ | turn over (food) |
| I | $1^{31}$ Qun ${ }^{55}$ | mountain | Iun ${ }^{55}$ | hibernation |
| t6 | $t ¢ \mathrm{i}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{55}$ | narrow | t $6 \mathrm{O}^{55}$ | surround |
| $t 6^{\text {h }}$ | $\mathrm{a}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{in}{ }^{31}$ | to change | $\left.t 6^{\mathrm{h}} \mathrm{u}\right)^{55}$ | earthen jar |
| dz | $\mathrm{d} \mathrm{c}{ }^{31}$ | copper | dzo ${ }^{31}$ | success |
| $\square_{6}$ | $n_{6} u^{55} \mathrm{nu}^{31}$ | spin yarn | $n_{6} a^{53} u^{31}$ | chew |
| no | nin ${ }^{55}$ | fingernail | nuuy ${ }^{55}$ | year, age |
| 6 | $¢^{6} \mathrm{~m}^{55} \mathrm{bu}^{31}$ | full | $\mathrm{cor}^{31}$ | want |
| 4 | $\mathrm{za}^{31} \mathrm{u}^{31} \mathrm{t}^{\text {i }} \mathrm{im}^{31}$ | shine | $\mathrm{a}^{31} \mathrm{zc}^{31} \mathrm{mus}^{55}$ | prisoner |
| k | $\mathrm{ko}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{ul}^{33}$ | fox | kun ${ }^{55}$ | six |
| $\mathrm{k}^{\text {h }}$ | $k^{\mathrm{h}} \mathrm{in}^{53}$ | cook; boil | $\mathrm{k}^{\mathrm{h}} \mathrm{uan}^{55}$ | room (house) |
| g | $\mathrm{a}^{31} \mathrm{gi}^{31}$ | lift; carry | $\mathrm{gua}^{31}$ | wear (clothes) |
| 万 | ทృ $\varepsilon^{31} \eta u^{31}$ | a name |  |  |
| 7 | $\mathrm{ni}^{31} \mathrm{sq}^{31}$ | monkey | nom ${ }^{55}$ nom $^{55}$ | nod (head) |
| X | $\mathrm{a}^{31} \mathrm{xi}^{55}$ | laugh | xua ${ }^{31} \mathrm{u}^{55}$ | revolve |
| Y | yus ${ }^{55}$ | shadow | 8om ${ }^{55}$ | beat; tap |
| $?$ | $\mathrm{Pi}^{55} \mathrm{bum}^{31}$ | goose | $I_{1}^{31}$ Pun ${ }^{55}$ | mountain |
| h | $\mathrm{a}^{31} \mathrm{hin}^{35}$ | bowl | hã ${ }^{55}{ }^{\text {¢ }}{ }^{31}$ | carry (on head) |

### 2.1.3. Consonant Clusters

There are 23 initial consonant clusters, which have been divided into three groups. The first consists of clusters with the retroflex semi-vowel
 and [x.I]. The second consists of preglottalized onsets: [Rb], [Rd], [Rd],
 the last consists of a single cluster, combining the features of the first two: [ Pb b ].

All three sets of clusters are disappearing. The retroflex semi-vowel has already disappeared in the speech of speakers 50 years of age or younger. It has merged with the high front unrounded vowel. The pre-glottalized series is only retained in the speech of certain elderly speakers. For other elderly speakers, the glottal feature has been lost, but has left vowel constriction behind. Certainly, most speakers no longer have pre-glottalization. In my informant's speech, pre-glottalization still contrasted phonemically in the data collected in 1960, but the contrast was gone in the 1999 data.

Table 5: Consonant clusters

| p. | prum ${ }^{55} \mathrm{no}^{31}$ | untie; undo |  |  |
| :---: | :---: | :---: | :---: | :---: |
| $\mathrm{p}^{\mathrm{h}}$. | $\mathrm{Pa}^{31} \mathrm{p}^{\mathrm{h}} .1^{31}$ | ancestors | $\mathrm{p}^{\mathrm{h}} \mathrm{I}^{33}$ | tears |
| b. | b.ii ${ }^{53}$ | four | $\mathrm{sa}^{31} \mathrm{~b} .11{ }^{55}$ | wild leeks |
| m. | $\mathrm{a}^{31}$ m. $^{\text {mun }}{ }^{55} \mathrm{se}^{33}$ | get angry |  |  |
| f. | $\mathrm{da}^{31} \mathrm{fra}^{55}$ | turtledove | $\mathrm{di}^{31} \mathrm{fr}^{55}$ | to winnow |
| v.I | $\mathrm{a}^{31} \mathrm{v}_{\text {di }}{ }^{55}$ | cable yoke |  |  |
| $\mathrm{k}^{\mathrm{h}}$. | $\mathrm{k}^{\mathrm{h}} \mathrm{l}^{15}$ | sweet | $\mathrm{da}^{31} \mathrm{k}^{\mathrm{h}} \cdot \mathrm{l}^{55}$ | varnish tree |
| g. | $\mathrm{d} \varepsilon^{31} \mathrm{~g} .17{ }^{55}$ | dog | $\mathrm{g} 11^{55} \mathrm{~d} \mathbf{z} \varepsilon^{35}$ | melt (snow, etc.) |
| x. | xium ${ }^{53}$ | sift | ximin ${ }^{31}$ | charcoal |
| Pb | $\mathrm{a}^{31} \mathrm{Pban}^{55}$ | bamboo | $\mathrm{Pb} \varepsilon^{31} \mathrm{ni}^{55}$ | food steamer |
| ?d | ? $\mathrm{d} \mathrm{m}^{55}$ | on credit | $\mathrm{a}^{31}$ Pden ${ }^{55}$ | cut off (rope) |
| ?d | Pday ${ }^{55}$ | crawl | ?duı ${ }^{55} \varepsilon^{31}$ | vomit |
| ?g | ? $\mathrm{gam}^{55}$ | carve; engrave | tşl $\mathrm{u}^{55} \mathrm{Pg} \mathrm{\varepsilon y}{ }^{55}$ | titmouse |
| ? dz | Pdzam ${ }^{55}$ | drench (rain) | $\mathrm{i}^{31}$ dzuy ${ }^{55}$ | leopard |
| 2dz | 2dzın ${ }^{55} \varepsilon^{31}$ | defecate | ? $\mathrm{z}_{4}{ }^{31}$ | fierce (action) |
| 2dz | Pdzu ${ }^{55} \mathrm{yu}^{31}$ | bite; bark | Pdze ${ }^{35}$ | finished, complete |
| ?m | $t 6^{\mathrm{h}} \varepsilon^{55} \mathrm{Pmu}^{31}$ | daughter |  |  |
| ?n | $\mathrm{a}^{31} \mathrm{Pna}^{31}$ | dye (cloth) |  |  |
| ?1 | 2la ${ }^{31}$ summ ${ }^{55}$ | musk | $2 \mathrm{lin}^{35}$ | bloated (with urine) |
| ? | $2 \mathrm{c}^{31} 2 \eta \varepsilon^{35}$ | to paint | ?nuı ${ }^{31}$ | greasy; slippery |
| ?n | Pna ${ }^{31} \varepsilon^{31}$ | ruminate |  |  |
| ? 1 | $n \mathrm{n}^{31} 9 n \mathrm{u}^{31}$ | grab; arrest |  |  |
| ?b. | $69^{55}$ Pbium ${ }^{35}$ | step over |  |  |

### 2.2. Vowels and Finals

Anong has 10 simple vowels, 16 complex vowels, 48 vowel + coda combinations, and 4 syllabic nasals.

### 2.2.1. Simple Vowels

Anong has ten simple vowels: [i], [e], [ $\varepsilon$ ], [a], [o], [u], [u], [y], [a], and [q]. Their positions are indicated on the vowel chart (see page 24).

Notes on monophthongs:
(1) The phonetic values of the four vowels [ך], [y], [e], and [a] is as indicated on the chart. The vowel [y] has the lowest frequency of occurrence; it appears to only occur in Chinese loans.
(2) [i] is slightly more open than the standard value assigned to this vowel position. [e] is slightly lower than IPA [E], with a value approaching [æ], and $[\varepsilon]$ is slightly more to the center and slightly
more open, closer to [A]. [a] is relatively back, a little less to the front than IPA [A]. When [a] occurs before [n] and [i], it has the value of $[\mathrm{a}]$. Both $[\mathrm{u}]$ and $[\mathrm{o}]$ are slightly more open. $[\mathrm{w}]$ is more to the center and more open.
(3) The value of $[\mathrm{u}]$ remains unchanged after $[\mathrm{m}]$, $[\mathrm{n}]$, and $[\mathrm{n}]$. But when it occurs after bilabial stops [ u ] is closer to $[\mathrm{u}]$. When it occurs after the other consonants, it is labialized, with a value close to [ y ].
(4) $[\mathrm{u}]$. In multisyllabic words, $[\mathrm{u}]$ appears to be the vowel that results from the reduction of an unstressed vowel in a non-initial position. In Chinese loans, instead of $[\mathrm{w}]$ as the reduced vowel, [ $[$ ] is often used as the reduced vowel. When [w] occurs after retroflex consonants, it sometimes becomes [i].
(5) [ i$]$ is deleted after the palatal nasal $[\mathrm{n}]$, and $[\mathrm{u}]$ is often deleted after the velar nasal [ n$]$.
(6) The apical vowel [ $\downarrow]$ becomes [l] after retroflex consonants.
(7) Vowels in prefixes are always significantly reduced, rendering them almost inaudible.


### 2.2.2. Simple Vowels without Codas

Table 6: Simple vowels without codas

| i | $\mathrm{si}^{55}$ | and; red; spicy | $\mathrm{ts}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{u}^{31}$ | scoop up |
| :--- | :--- | :--- | :--- | :--- |
| e | $\mathrm{se}^{55}$ | bird cry | $\mathrm{ts}^{\mathrm{h}} \mathrm{e}^{31}$ | to temper |
| $\varepsilon$ | $\mathrm{a}^{31} \mathrm{se}^{55}$ | sour | $\mathrm{ts}^{\mathrm{h}} \varepsilon^{53}$ | come out (sun) |
| a | $\mathrm{sa}^{31} \mathrm{bo}^{33}$ | expel | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$ | ten |
| a | $\mathrm{a}^{31} \mathrm{sa}^{35}$ | earth | $\mathrm{ts}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{bi}^{31}$ | dust; dirt |
| o | $\mathrm{so}^{53}$ | understand; know | $\mathrm{ts}^{\mathrm{h} \mathrm{o}^{33} \mathrm{o}^{55}}$ | plow |
| u | $\mathrm{Pa}^{31} \mathrm{su}^{31}$ | to boil | $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{55}$ | pointed; sharp |
| y | $\mathrm{y}^{35} \mathrm{sl}^{31}$ | jade | $\mathrm{tc}^{\mathrm{h}} \mathrm{y}^{55} \mathrm{nin}^{53}$ | extinguish |
| u | $\mathrm{a}^{31} \mathrm{suc}^{31}$ | boat; ship | $\mathrm{ts}^{\mathrm{h}} \mathrm{w}^{31}$ | cut (cloth) |
| 1 | $\mathrm{a}^{31} \mathrm{~S}^{55}$ | comb | $\mathrm{ts}^{\mathrm{h}} \mathrm{l}^{31}$ | rain |

### 2.2.3. Nasalized Vowels

Contrastively nasalized vowels are a relatively new phenomenon in Anong. The data from 1960 show free variation in the distribution of nasalized vowels. However, more recently collected data indicate that nasalized vowels have become contrastive, as shown in the following examples.

Table 7: Contrasts in nasalization

| nasal final | $\operatorname{lan}^{55}$ | piece (of stone) | $\mathrm{k}^{\mathrm{h}} \mathrm{ua} \mathrm{\eta}^{55}$ | room (of house) |
| :--- | :--- | :--- | :--- | :--- |
| nasalized vowel | $\mathrm{la}^{31}$ | swim | $\mathrm{k}^{\mathrm{h}} \mathrm{ua}^{31}$ | hole, cave |
| non-nasalized | $\mathrm{la}^{33}$ | look for; seek | $\mathrm{k}^{\mathrm{h}} \mathrm{uq}{ }^{33}$ | bee; wasp |
| vowel |  |  |  |  |

Therefore, it is necessary to analyze Anong as having a set of nasalized vowels: [ 1 ], [ e$],[\tilde{\varepsilon}],[\tilde{a}],[\tilde{a}],[\tilde{o}],[\tilde{u}],[\tilde{u}],[i \tilde{\varepsilon}],[i a ̃],[i \tilde{a}],[u \tilde{\varepsilon}]$, and [uã]. Some nasalized vowels only occur in Chinese loans, for example [ $\tilde{\text { un] }}$.

Table 8: Nasalized vowels

| 1 | $\mathrm{da}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{I}^{55}$ | wing | $\mathrm{di}^{31} t \varphi^{\mathrm{h}} \tilde{1}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{33}$ | side |
| :---: | :---: | :---: | :---: | :---: |
| ẽ | $k^{h} \tilde{e}^{31} u^{31}$ | to weed (grass) |  |  |
| $\tilde{\varepsilon}$ | $\varphi \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \tilde{\varepsilon}^{55}$ | iron | $h \tilde{\varepsilon}^{35} \mathrm{pu}^{33}$ | hedgehog |
| ã | $a^{31} b^{33}$ | loaf on the job | hã ${ }^{55}$ | to brush |
| ã | り $\tilde{a}^{55}$ | borrow | $1 \tilde{a}^{31}$ | swim |
| - | dum ${ }^{31} \mathrm{~g}^{55}$ | idle; free time | $\mathrm{mi}^{55} \tilde{l}^{55}$ | hemp stalk |
| ũ | $\mathrm{di}^{31} \mathrm{t}$ ¢ $\tilde{\mathrm{u}}^{55} \tilde{\mathrm{u}}^{31}$ | marry (of woman) | $\mathrm{di}^{31} \mathrm{~d} 7 \tilde{\mathrm{a}}^{31} \tilde{\mathrm{u}}^{31}$ | taste |
| Ũ | $t a^{35}$ fư ${ }^{35}$ | manure | zữ ${ }^{31}$ sữ ${ }^{55}$ | ginseng |

Table 8 (cont.)

| i ${ }^{\text {e }}$ | $\mathrm{i}^{35} \mathrm{i} \tilde{\varepsilon}^{31}$ | unitary | $t^{\mathrm{h}} \mathrm{i}^{31} \mathrm{u}^{31}$ | sweep (dirt) |
| :---: | :---: | :---: | :---: | :---: |
| iã | iã ${ }^{55} \varepsilon^{31}$ xo $^{55}$ | beast |  |  |
| iã | $\mathrm{a}^{31} \mathrm{i} \tilde{\mathrm{a}}^{55} \mathrm{mu}^{31} \mathrm{Iun}^{31}$ | midday; noon | $\mathrm{a}^{31} \mathrm{i} \tilde{\mathrm{a}}^{35} \mathrm{si}^{31}$ | slow |
| บ | ts ${ }^{\text {h }}$ ¢ $\tilde{\varepsilon}^{55}$ | inch |  |  |
| uã | $\mathrm{k}^{\mathrm{h}} \mathrm{ua} \tilde{}^{31}$ | hole; cave | $n 0^{31} u \tilde{a}^{31}$ | cow |

### 2.2.4. Vowel "Sequences"

The transcription used here for Anong uses neither the symbol j- nor w -, but instead uses i and $u$ in slots where others might prefer to use these glide symbols. For the most part, context dictates a more consonantal or a more vocalic interpretation. It is in this context, then, that Anong is said to have 22 vowel "sequences".

There are 22 complex vowels, of which 20 are diphthongs and two are triphthongs. The 20 diphthongs can be divided into two types, those with [i], [u], or [y] as onset as in [ie], [ie], [ia], [ia], [io], [iu], [iu], [ui], [ue], [uع], [ua], [ua], [yi], [ye], [yع], [ui], or [ 1 u ] and those with [i] or [u] as coda as in [ei], [ai], or [au]. ${ }^{1}$ The two triphthongs are [iau] and [uai].

Table 9: Vowel sequences

| ie | $\mathrm{u}^{55} \mathrm{ie}^{31}$ | member | mu ${ }^{55} \mathrm{gie}^{55}$ | kind of bird |
| :---: | :---: | :---: | :---: | :---: |
| i $\varepsilon$ | $\mathrm{a}^{31} \mathrm{ts}^{\text {h }} \mathrm{i} \varepsilon^{55}$ | free time | $p^{\mathrm{h}} \mathrm{u}^{31} \mathrm{i} \varepsilon^{31}$ | ashes (fire) |
| ia | $\mathrm{a}^{31} \mathrm{gqia}^{31} \mathrm{n}^{55}$ | to peck | $\mathrm{mu}{ }^{31} \mathrm{t}^{\text {hia }}{ }^{35} \mathrm{lu}^{55}$ | tapioca |
| ia | $\mathrm{a}^{31} \mathrm{ia}^{55}$ | rock bee | $\mathrm{dzi}^{31} \mathrm{id}^{33} \mathrm{so}^{55}$ | paddy rice |
| io | io ${ }^{31} \mathrm{mum}^{55}$ | clouds | io ${ }^{55} \mathrm{ma}^{33}$ | sickle |
| iu | liu ${ }^{35}$ | doubt; suspect | $\mathrm{dzi}^{31} \mathrm{kiu}^{53}$ | copper oxidation |
| iul | $i u^{31}$ | army | $i u^{31}{ }^{\text {dzumy }}{ }^{55}$ | wolf |
| ui | dzui ${ }^{55}$ | pair | sui ${ }^{55} \mathrm{in}^{31}$ | mercury |
| ue | $k^{\text {c }}{ }^{55} \mathrm{tcy}{ }^{31}$ | rule; custom | sue ${ }^{55}$ | tax |
| uع | kus ${ }^{35} \mathrm{p}^{\text {h }} \varepsilon^{35}$ | national flag | uai ${ }^{35} \mathrm{kuc}^{35}$ | foreign country |
| ua | yua ${ }^{55} \mathrm{~S} 1^{55} \mathrm{n}$ \& ${ }^{35}$ | village name | sua ${ }^{55}$ tsan $^{35} \mathrm{ua}^{55}$ | to reckon |
| ua | nua ${ }^{55}$ | fish | $\mathrm{tc}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{rua}^{31}$ | river |
| yi | $\mathrm{yi}^{31} \mathrm{t}^{\text {h }}{ }^{35}$ | cruel/evil people | $k^{\text {h }} \mathrm{i}^{53} \mathrm{u}^{31}$ | to bark |
| ye | $\mathrm{mur}^{55} \mathrm{xye}^{31}$ | green corn | tc ${ }^{\text {h }} \mathrm{ye}^{31}$ tian $^{53}$ | shortcoming |
| (1) y ( | cys ${ }^{55} \mathrm{ts}^{\text {h }} \mathrm{u} \tilde{a}^{31}$ | propagate | only one |  |
| (2) ya | $\mathrm{cya}^{55} \mathrm{c}_{8} \varepsilon^{31}$ | sugar | $\operatorname{cya}^{55} \mathrm{cya}^{55} \mathrm{ua}^{33}$ | sound of wind |

[^8]Table 9 (cont.)
(1) wi $p^{h} u^{31} \mathrm{li}^{31} \mathrm{a}^{31} b w i^{53}$
(2) $\mathfrak{q}^{u}$ tş $u^{55}{ }^{5} g \varepsilon \eta^{55}$
ei fei ${ }^{31}{ }^{1 a u^{31}}$
ai $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{ni}_{\mathrm{i}}{ }^{33}$
di $\mathrm{xo}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{31}$
au $\mathrm{au}^{31} \mathrm{ma}^{31}$
iau $\mathrm{p}^{\mathrm{h}} \mathrm{iau}^{35}$
uai $\mathrm{k}^{\mathrm{h}} \mathrm{uai}^{35} \mathrm{tc}^{35}$
apologize
titmouse $\mathrm{di}^{31} \mathrm{i}^{35}$
$\mathrm{di}^{31} \mathrm{~s}^{3} \mathrm{u}^{35}$
$t^{h} u^{55}$ fei $^{55}$
$\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{kun}^{55}$
come down in torrents fertilizer
twelve
matches
aunt ticket
accounting
$\mathrm{kai}^{55} \mathrm{tsq}^{33}$ collen
pau $^{55}{ }^{5} \mathrm{~s}^{33} \quad$ steamed stuffed bun fun ${ }^{55} \mathrm{t}^{1}$ iau ${ }^{31} \quad$ noodles
uai ${ }^{35} \mathrm{ku}^{35} \quad$ foreign country

In general, complex vowels have low frequency of occurrence in Anong. Only the vowels with transitional glides [i] or [u] occur in native words with any frequency. The triphthongs only occur in Chinese loanwords. Thus, we believe that complex vowels in Anong are a relatively new phenomenon, which could also be the consequence of Lisu and and Chinese influence.

### 2.2.5. Vowels with Codas

The codas following vowels consist of a nasal, a glottal stop, or a nasal plus glottal stop combination [m], [n], [n], [n], [n], [?], [m?], [n2], and [ y ?], shown in the following table.

Table 10: Vowel plus coda combinations

| m | 1 | 1 | 1 | a | 1 | u | / | 1 |  | id |  |  |  | , |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| mi | 1 |  | 1 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| n | 1 | 1 | 1 | 1 |  | 1 | 1 | 1 | 1 |  |  |  | 1 | 1 | 1 | 1 |
| n? |  |  | 1 |  |  |  | 1 | 1 |  |  |  |  |  |  |  |  |
| $\eta$ |  |  |  | 1 |  | 1 | 1 |  |  |  |  |  |  |  |  |  |
| no | 1 |  | 1 |  |  |  |  | 1 |  |  |  |  |  |  |  |  |
| ๆ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  | 1 |  |  |
| n? |  |  |  |  |  |  | 1 |  |  |  |  |  |  |  |  |  |
| ? | 1 |  | 1 | 1 | 1 | 1 | 1 | 1 |  |  |  |  |  | / |  |  |

Notes on vowels with codas:
(1) The velar nasal [ n ] in such finals is often deleted with a residual compensatory effect of nasalizing the preceding vowel.
(2) The palatal nasal [ $\mathrm{n}_{\mathrm{n}}$ ] in coda position developed from the reduction of an earlier syllable consisting of a palatal nasal followed by
a vowel. The vowel was lost leading to the reanalysis of the [ n ] as the coda of the preceding syllable.
(3) The semi-vowel [ x$]$ is unstable in coda position and only occurs in a limited number of words. Sometimes it is pronounced as a retroflexed vowel and sometimes it is deleted. Therefore, it is not included in the finals inventory.
(4) The glottal stop is also unstable as part of a final. It seems to be on its way to being lost. In some words it is realized as the tight throat feature on vowels and in others it simply disappeared. However, its phonemic contrast is clearly there, which is why we still included it in our discussion of finals.
(5) The vowel [e] has a very low frequency of occurrence in finals, but it does not fall together with any of the other vowels, so it is treated here as an independent sound.
(6) In the database, all examples of -ien occur before -u. Thus, the -ien combinations are recognizeable as the result of a morphological juxtaposition: the combination originally only occurred before nu, the post-verbal, sentence-final particle.

Altogether there are more than 50 finals with consonant endings, which are illustrated with the following examples.

| im | $\lim ^{53}$ | bury | $\mathrm{a}^{31} \operatorname{dim}^{55}$ | kick |
| :---: | :---: | :---: | :---: | :---: |
| im? | $t^{\text {b }}{ }^{\text {im }}{ }^{55} \varepsilon^{31}$ | suck (milk) | $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \lim \mathrm{P}^{31} \mathrm{u}^{31}$ | fold |
| em | $a^{31}$ nem $^{55}$ | should |  |  |
| $\varepsilon \mathrm{m}$ | $\varphi \varepsilon \mathrm{m}^{31}$ | knife | $\mathrm{n} \varepsilon \mathrm{m}^{31}$ | sun |
| $\varepsilon \mathrm{m}$ ? | $\mathrm{d} \varepsilon \mathrm{m}^{55}$ | debt |  |  |
| am | $\mathrm{s}_{1}{ }^{31} \mathrm{lam}^{55}$ | jump | $\mathrm{mux}^{31} \mathrm{Yam}^{55}$ | lower jaw bone |
| am | $k^{\text {h }} \mathrm{am}^{53}$ | to ladle, scoop out | $p^{h} u^{31} \mathrm{dzam}^{31}$ | shady side (mountain) |
| am? | $\mathrm{ma}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{am}$ ? | to bully |  |  |
| om | $\mathrm{dzom}^{31}$ | prop up; support | $\mathrm{a}^{31}$ som $^{53}$ | three |
| om? | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ som $^{35}$ | search (body) | dze ${ }^{35}$ zom? ${ }^{35}$ | build wall |
| um | $\mathrm{a}^{55} \mathrm{um}^{55}$ | hit (iron) | bum ${ }^{55}$ | pile, heap |
| um | nid ${ }^{55} \mathrm{Iumm}^{31}$ | heart | Pn ${ }^{31}$ bumm $^{55}$ | messy |
| 1 m | $b a^{31} \mathrm{~S}_{1} \mathrm{~m}^{53}$ | a fly | S1 ${ }^{31} \mathrm{I} \mathrm{m}^{31}$ | skirt |
| uam | $u^{\text {am }}{ }^{31} \mathrm{Ium}^{55}$ | linen thread | ?uam ${ }^{55}$ | needle |
| in | nin ${ }^{55}$ | fingernail | $\operatorname{gin}^{31} u^{31}$ | roll |
| in? | $\mathrm{t}^{\mathrm{h}} \mathrm{in}^{5}{ }^{55}$ | seize |  |  |
| en | $\mathrm{a}^{55} \mathrm{ben}^{31}$ | mother's brother |  |  |
| $\varepsilon \mathrm{n}$ | $v \varepsilon \mathrm{n}^{35}$ | buy | $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{33}$ | greens |

Table (cont.)

| عn? | $\mathrm{di}^{31} \mathrm{x}$ ¢ n ? | to divine |  |  |
| :---: | :---: | :---: | :---: | :---: |
| an | $\tan ^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$ | small vehicle | $\operatorname{san}^{31}$ | pull (drawer) |
| an? | $b a^{55} t^{\text {h }} a n{ }^{55} n u^{55}$ | behead |  |  |
| an | Ian ${ }^{55}$ | weave (cloth) | curn ${ }^{55} \tan ^{55}$ | wood |
| un | cuin ${ }^{55} \mathrm{io}^{31} \mathrm{mun}^{55} \mathrm{su}^{55}$ | carpenter | $\operatorname{tian}^{55} \mathrm{tun}^{55}$ | electric light |
| un | $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} u \mathrm{n}^{55}$ | cough | $P y^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55}$ | solidify |
| un? | $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} u \mathrm{n} \mathrm{P}^{35}$ | pant; gasp |  |  |
| $\chi^{n}$ | $\mathrm{z} \mathrm{n}^{53}$ | ask | S1 ${ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{p}^{31}$ | dust |
| nn? | $\mathrm{bu}{ }^{31} \mathrm{ts}^{\text {h }} \mathrm{n} \mathrm{P}^{55}$ | kind of sparrow | $\mathrm{a}^{31} \mathrm{ts}^{\text {b }} \mathrm{an}^{31} \mathrm{do}^{33} \mathrm{~m}^{31} \mathrm{sqn} \mathrm{P}^{31}$ | gossip |
| ien | $\mathrm{i} \varepsilon \mathrm{n}^{55} \mathrm{tc} \mathrm{i}^{31} \varepsilon^{31}$ | flee | $p^{\mathrm{h}} \mathrm{u}^{31} \mathrm{i} \varepsilon \varepsilon^{31}$ | stomach |
| ian | $\left.\operatorname{tian}^{53} \mathrm{t}^{\mathrm{h}} u\right)^{31}$ | flashlight | tian $^{55}$ tu $^{55}$ | electric light |
| uan | suan ${ }^{55} \mathrm{st}^{\text {b }} \mathrm{u}^{35}$ | sour | kuan ${ }^{55}$ | clf. baskets |
| uan | xuan ${ }^{35}$ | go crazy (2ps) | $\mathrm{an}^{55}$ tsuan $^{55}$ | install; fix |
| aף | $u a^{55} t^{\text {h }}$ q ${ }^{55}$ | thick, rich |  |  |
| un | $\mathrm{di}^{31} \mathrm{xu}^{53}$ | to whip |  |  |
| un | $\varphi a^{31} \mathrm{Ja}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u} \eta^{55}$ | steamed bun |  |  |
| in | $\mathrm{cin}^{31}$ | rub; wipe; scrape | $\mathrm{bu}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{in}^{55}$ | lizard |
| 1 n | Sp $\mathrm{n}^{35}$ | seven | $\mathrm{ts}^{\mathrm{h}} \mathrm{p}^{\text {n }}{ }^{55}$ | spit; saliva |
| $\varepsilon \square^{1}$ | $¢ \varepsilon \sum^{55}$ | eight | $\mathrm{a}^{31} \mathrm{c}^{\text {c }}{ }^{55}$ | fish |
| in | $\mathrm{k}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{nu}^{31}$ | shell, peel | $\mathrm{ba}^{33} \mathrm{sum}^{55} \mathrm{pum}^{31} \mathrm{nin}^{31}$ | fly droppings |
| en | $\mathrm{i}^{31} \mathrm{fen}{ }^{55}$ | a portion | $\tan ^{55} \operatorname{sen}^{55}$ | dangshen |
| $\varepsilon \eta$ | $b \varepsilon g^{55}$ | tray | $\mathrm{a}^{31} \mathrm{seg}^{55}$ | elect |
| a) | gay ${ }^{55} \mathrm{P} \mathrm{d} z \varepsilon^{35}$ | ruin (clothes) | $\mathrm{k}^{\mathrm{h}} \mathrm{n}^{31} \mathrm{u}^{31}$ | spread; unfold |
| a) | say ${ }^{55}$ | daughter-in-law | $\mathrm{p}^{\mathrm{h}} \mathrm{Cr}^{31}$ | five |
| aŋ? | $\mathrm{cay}^{55}$ | shame; shy |  |  |
| on? | Pon ${ }^{55}$ | put on (hat) | $¢ \varepsilon \mathrm{~m}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{don}^{55}$ | short knife/ <br> sword |
| u) | $\left.\mathrm{p}^{\mathrm{h}} \mathrm{u}\right)^{55}$ | open (door) | $\mathrm{ma}^{33} \mathrm{xup}^{55}$ | cloth |
| 11 | $\mathrm{z} 7 \mathrm{I}^{31} \varepsilon^{55}$ | scratch (for food) | $z 17^{55} \mathrm{yu}^{31}$ | dig; excavate |
| un | b.umy ${ }^{31}$ | name | buy ${ }^{55}$ | silk; thread |
| un? | $\mathrm{la}^{33} t^{\text {h }}$ un $\mathrm{P}^{55}$ | bracelet | curn ${ }^{55}$ | louse |
| i\&ท | $\mathrm{t}^{\mathrm{h}} \mathrm{i}$ ¢ $)^{31}$ | to guard, watch | $\left.p^{\text {h }}{ }^{55} \mathrm{dza}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i} \varepsilon\right)^{35} \mathrm{u}^{31}$ | give written invitation |
| ian | $\mathrm{a}^{31} \mathrm{iag}{ }^{31}$ | sheep | ian ${ }^{31}$ | once; ever |
| iun | $\mathrm{a}^{31} \mathrm{iun}{ }^{31}$ | to covet |  |  |
| iun | no $\left.{ }^{31} \mathrm{imq}\right)^{55}$ | to stay | $\mathrm{dz} 1^{31} \mathrm{ium}{ }^{55}$ | come |
| uay | xuay ${ }^{53}$ | spiral; circle | $\mathrm{la}^{31} \mathrm{p}^{\mathrm{h}}$ un ${ }^{55}$ xuan ${ }^{55} \mathrm{~d}_{2}{ }^{55}$ | scarf |
| i? | tcii ${ }^{55}$ | two buckets of (clf) | $t_{6}{ }^{\text {h }}{ }^{31} n_{\mathrm{i}} \mathrm{i}^{55}$ | arm (part of) |
| $\varepsilon$ ع | dze ${ }^{55}$ | drop (clf) |  |  |
| a? | mo ${ }^{55} \mathrm{da}$ ? | thunder | $\mathrm{baP}^{31} 1 \tilde{u}^{55}$ | sow (seeds) |
| a? | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ | chicken | $\mathrm{vi}^{55} \mathrm{ka}^{31}$ | be pregnant |
| o? | $\mathrm{p}^{\mathrm{h}} \mathrm{O}^{35}$ | change; transform | do ${ }^{53} \mathrm{u}^{55}$ | to ladle, bail |
| u? | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{lu}{ }^{31}$ | where | fui ${ }^{35}$ | hungry |

Table (cont.)

| u? | $\mathrm{bux}^{31} \mathrm{nul}^{55}$ | snail | $t 6^{\text {h }}{ }^{31} \mathrm{dum}{ }^{55}$ | cricket |
| :---: | :---: | :---: | :---: | :---: |
| 1 ? |  | thorn of flesh |  |  |
| io? | io ${ }^{55}$ | clf (person) | tcee ${ }^{31} \mathrm{ioP}^{31}$ | save; be thrifty |
| uع? | gue1 ${ }^{53}$ | pine tree |  |  |
|  | de ${ }^{53} \mathrm{guaP}^{53}$ | cucumber |  |  |

### 2.3. Tones and Remnants of Tone Sandhi

Anong has five tones: 55, 33,53, 31 and 35 . The tone 33 used to be unstable. When the 33 tone co-occurred with 31 or 35 , it became 55 ; the 33 tone changed to 31 when occurring next to 53 and 55 ; as a consequence, the 31 tone is a sandhi variant of other tones in certain contexts. Recently collected data show that the 33 tone is now contrastive. As a consequence, it is treated here as an independent tone. Both the 35 and the 53 tones are relatively infrequent, with a low functional load in terms of signaling meaning distinctions. The following examples illustrate the five tones.

| high level 55 | $\left.t 6^{\text {h }} \mathrm{u}\right)^{55}$ | (earthen) jar | $\lim ^{55}$ | bake, roast |
| :---: | :---: | :---: | :---: | :---: |
| high falling 53 | $t c^{\text {h }}$ un ${ }^{53}$ | straight; press | $\lim ^{53}$ | egg |
| id level 33 | $t_{\text {c }}{ }^{\mathrm{h}} \mathrm{un}^{33}$ | to play on swing | $\lim ^{33}$ | turn on (water) |
| id falling 31 | $t^{\text {ch }}$ u $)^{31}$ | dig up | $\lim ^{31}$ | bury |
| mid rising 35 | $\mathrm{a}^{31} \mathrm{tc}^{\text {h }} \mathrm{ug}{ }^{35}$ | to fish | $\lim ^{35}$ | lay (egg) |

Although the tones display variation including some tone sandhi, no clear systematic patterns can be established and the variation is unstable. Thus, beyond the comments on tone 33, further detailed discussion of tone sandhi is still not possible at this point.

### 2.4. Syllables

A syllable in Anong consists of an initial, a rhyme and a tone (with the term rhyme referring to the vowel and any accompanying coda. Some syllables lack an initial, and thus are made up of just a rhyme and a tone. A syllable minimally contains one sound, which is either a vowel or a syllabic consonant, and maximally contains five sounds.

| 1 | C | $\mathrm{m}^{31}$ | not | $\mathrm{n}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{am}^{55}$ | notebook |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | V | $\mathrm{O}^{31}$ | carry on back (clf.) | $\varepsilon^{31}$ | stative particle |
| 3 | VV | ium ${ }^{31}$ | seed | $\mathrm{a}^{31} \mathrm{ia}^{55}$ | rock bee |
| 4 | VVV | $i d u^{55} t^{\text {h }} \mathrm{w}^{31}$ | demand | uai ${ }^{35} \mathrm{ku} \varepsilon^{31}$ | foreign country |
| 5 | CV | $b \varepsilon^{55}$ | white | $p^{\mathrm{h}} \mathrm{u}^{55}$ | silver |
| 6 | CVV | $\mathrm{a}^{31} \mathrm{xuq}^{35}$ | go mad | $\mathrm{liu}^{35}$ | doubt; suspect |
| 7 | CVVV | $\mathrm{p}^{\mathrm{h}} \mathrm{iau}^{35}$ | ticket | tiau ${ }^{55} \mathrm{k}^{\mathrm{h}} \varepsilon^{31}$ | carve; engrave |
| 8 | CCV | $\mathrm{p}^{\mathrm{h}} \mathrm{l}^{55}$ | dig | b.ii ${ }^{31}$ | four |
| 9 | CCVC | Pdzm ${ }^{55}$ | on credit | $\mathrm{a}^{31}$ mıan $^{55}$ | get angry |
| 10 | CCCVC | $¢^{55} \mathrm{P}^{5}$ bium ${ }^{35}$ | step across |  |  |
| 11 | VC | $\mathrm{in}^{55}$ | to sweat | $\mathrm{de}^{31} \mathrm{run}^{35}$ | cotton |
| 12 | VVC | iay ${ }^{31}$ | item (thing), CLF | $\mathrm{a}^{31} \mathrm{ian}{ }^{31}$ | smoke |
| 13 | CVC | $\operatorname{san}^{55}$ | slaughter | ts ${ }^{\text {h }}$ u ${ }^{55}$ | empty out (dirt) |
| 14 | CVVC | gien ${ }^{35}$ | exist; to mail | $\mathrm{k}^{\mathrm{h}} \mathrm{uan}^{31}$ | puncture |

Syllable structure: (C)(C)(C)(V)V(V)(C)T
Of the 14 structures, the VVV and CVVV only occur in Chinese loans, and CCCVC has an extremely low frequency of occurrence. The ones that have a high frequency of occurrence are V, VV, CV, CVV, VC, VVC, and CVC.

Anong is rich in weakened syllables with the following characteristics (see the word list for examples). The syllable is short and indistinct, usually with a 31 tone, although some words have a high tone. It usually consists of a reduced simple vowel without a coda, making it resemble the onset of a consonant cluster somewhat. Since such syllables are often the remnant of a reduced morpheme or of a grammaticalized lexeme, it frequently either carries meaning or has a grammatical function, differentiating it from the initial sound of a consonant cluster, which lacks meaning or grammatical function. With a considerable portion of the lexicon containing these weakened syllables, the Anong lexicon has ceased to be monosyllabic and has become increasingly bisyllabic or polysyllabic.

## LEXICON

### 3.1. Basic Characteristics of Words in Anong

Anong has mostly monosyllabic morphemes. However, since most of the words occur with prefixes or suffixes, the majority of words in Anong are polysyllabic, though most of the root morphemes are monosyllabic. Only less than ten percent of the five thousand or so lexical items we have collected are monosyllabic.

The lexicon of a language is a clear picture of the life of its speakers, a mirror of the cultural traits of a people. Due to the natural geography of the region where the Nu people reside, Anong is rich in certain types of words. For instance, the Nujiang reaches have a warm climate with a lot of bamboo varieties. Therefore, Anong has several dozen names of different varieties of bamboo, e.g., the following (which are accompanied by a translation of their Chinese names), $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ua}^{55}$ 'dragon
 'rubber bamboo', $\mathrm{a}^{31} \mathrm{yuy}^{55}$ 'poisonous bamboo', and $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ma}^{31}$ 'mountain bamboo'. In addition, there are these other varieties of bamboo, for which we lack even Chinese names: $s 1^{31} \mathrm{~m}_{\mathrm{n}}{ }^{55}, \mathrm{a}^{31} 1 \mathrm{u}^{31}, \mathrm{a}^{31} \mathrm{P} b \varepsilon \mathrm{n}^{55}$, $\mathrm{ma}^{31} \mathrm{qam}^{55}, \mathrm{a}^{31} \mathrm{de}^{31}, \mathrm{a}^{31} \mathrm{sm}^{55}$, and $\mathrm{a}^{31} \mathrm{va}^{55}$ as well as numerous other varieties of bamboo and bamboo products that also lack names in Chinese. The Anong use bamboo to build houses. The floors are made of bamboo; the walls are woven with bamboo strips; the roofs are made of bamboo poles of different sizes except for the beams, pillars, and thatch. They use bamboo sections for carrying water, bamboo bowls for eating rice, bamboo baskets for carrying grain, bamboo pockets for gathering, bamboo rafts for fishing, bamboo arrows for hunting and bamboo sliding cable for crossing rivers. Bamboo is closely bound up with the lives of the Anong. City dwellers might find it unimaginable but the Anong cannot live without bamboo.

The Nu nationality live in the tableland areas on both sides of the Nujiang. Fishing is not only their pastime but also a manifestation of their accumulated experiences through years of fishing and gathering. Anong lives are inextricably bound with fishing, hunting, and gathering wild fruits and plants. As a result, they are able to describe many
different types of fishing methods and fishing tools and name a great variety of species of fish in the Nujiang. Many of their legends are closely related to fishing.

Gathering is also an integral part of the lives of the Anong. They gather a variety of different things in different seasons. When collecting lexical items in Anong, one can not help but notice the rich experiences the Anong have accumulated through gathering. Those of us who have lived in the cities far away from the rural areas cannot imagine how rich such experiences are. For instance, the Anong like gathering mushrooms, so I asked the informant to describe the varieties of mushrooms they gather, and he immediately named several dozen. Besides the generic term $m u^{31} \mathrm{k}^{\mathrm{h}} \mathrm{am}^{55}$ for mushrooms, there are many other words for different varieties which have no corresponding names in Chinese, such as $m o^{55} \mathrm{k}^{\mathrm{h}} \mathrm{un}^{55}, \mathrm{tca}^{31} \mathrm{mu}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{ia}^{35} \mathrm{lu}^{55}, \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{mu}^{55} \mathrm{dim}^{55}$, $\mathrm{m}^{55} \mathrm{bu}^{31} \mathrm{si}^{31}, \mathrm{mu}^{35} \mathrm{ku}^{33}, \mathrm{~d} \not \mathrm{q}^{55}{ }^{55} \varepsilon \mathrm{~m}^{55} \mathrm{bum}^{55} \mathrm{mu}^{55} \mathrm{dim}^{55}, \mathrm{mu}^{55} \mathrm{ti}^{33} \mathrm{li}^{33}$, $\mathrm{da}^{31} \mathrm{SO}^{55} \mathrm{mu}^{35} \mathrm{dim}^{55}$, and $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{su}^{35} \mathrm{mu}^{55} \mathrm{dim}^{55}$, etc.

In the fall, the Anong like digging wild taro and other wild tubers. They eat some of them fresh and dry the rest. They sometimes grind the tubers into powder for use in spring when there is a food shortage. There are over a dozen names of tubers in Anong. For example, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{dzu}{ }^{55}$, $\mathrm{bi}^{31} \varphi \mathrm{~m}^{35} \mathrm{di}^{31}, \mathrm{mu}^{31} \mathrm{n} \varepsilon \mathrm{m}^{31}, \mathrm{bi}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31}, \mathrm{ni}^{31} \mathrm{ua}^{31} \mathrm{~g} \mathrm{I}^{55}, \mathrm{mi}^{31} \mathrm{la}^{55} \mathrm{da}^{55}$, $\mathrm{bum}^{31} l \varepsilon^{33} \mathrm{go}^{53}$, and $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{dzu}^{55} \mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$, etc. As to the names of wild fruits, the list is endless, some of which can be used for medicinal purposes. Medicinal herbs are also among things the Anong gather. Some of the herbs are not found in regions inhabited by the Han nationality, so many of them have no names in Chinese. Some of the herbs are very effective in curing illnesses. The Anong use some of the herbs they gather themselves and dry or process the rest for bartering for some of their daily basic necessities.

Anong men are good at hunting. They either hunt individually or through group encircling. When they hunt individually, they use several different methods, such as pit traps, snares, and bows and arrows. Anong men always carry a bow and arrow. They are extremely skilled archers. If an animal is within the distance of ten meters, it rarely escapes their arrows. They use poisoned arrows to shoot big animals. If hit by such an arrow, the animal usually either passes out or dies within minutes. To hunt for smaller animals, they use normal arrows made of bamboo, some of which have metal wrapped heads. They usually use such normal arrows to hunt birds and small creatures like rats and squirrels. Among the words collected, a number of them are names of such animals. For
instance, $\mathrm{a}^{31} \mathrm{din}^{55}$ ' $\mathrm{rat}^{\prime}$, $\mathrm{t}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{din}^{55}$ 'mouse', $\mathrm{ba}^{31} \mathrm{din}^{55}$ 'white tail rat', $\mathrm{gu}^{31} \mathrm{lu}^{55}$ 'long tail rat', $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{dz}_{1}{ }^{55}$ 'flying rat', $\mathrm{dz}_{\mathrm{l}}{ }^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55}$ 'squirrel', and so on. Some of the varieties of rats have no names in Chinese, such as $\left.\mathrm{t}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{~d} \operatorname{qin}^{31} \mathrm{dzu} \mathrm{u}^{55}, \mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{I}^{2} \mathrm{~m}^{55}, \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31} \mathrm{dzu}\right)^{31}, \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ra}^{55} \mathrm{a}^{31} \mathrm{din}^{55}, \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31} \mathrm{la}^{55}$, $d z_{i}{ }^{31} \mathrm{su}^{31}, \mathrm{tca}^{55} \mathrm{xo}^{55}$, and $\mathrm{bu}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{53}$, etc.

There are many lexemes in Anong that are used as both nouns and verbs. For example, $v \varepsilon n^{55}$ 'flower; to flower', $\mathrm{in}^{55}$ 'sweat; to sweat', $\mathrm{s}^{55}$ 'fruit; to bear fruit', $\mathrm{ni}^{55}$ 'stool; to empty one's bowels', $\operatorname{man}^{55}$ 'a dream; to dream', lim ${ }^{31}$ 'egg; to lay an egg', $t^{\text {h }} \mathrm{im}^{55}$ 'a knot; to make a knot', etc. There are also forms that are both nouns and classifiers or verbs and classifiers. For example, nuin ${ }^{55}$ 'year; classifier for age', buy ${ }^{33}$ 'rope; classifier for three dimensional thin flexible things', $\varsigma \varepsilon \mathrm{m}^{55}$ 'leaf; classifier for two dimensional flat rigid things', $\mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$ 'house; classifier for buildings', bum ${ }^{33}$ 'pile; classifier for a pile of something', $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ 'speech, language; classifier for sentences'. Sometimes the same form is even used as a noun, a verb, and a classifier, such as ven ${ }^{55}$ 'flower; to flower; classifier for flowers'. These could be remnants of some kind of old word formation process.

### 3.2. Lexical Classification

Lexical items in Anong can be classified in various ways. For instance, we can classify them according to their origin, structural features, or semantic relations.

### 3.2.1. Classifying Words According to Their Origins

Words in Anong can be divided into two classes: native words and loans. Native words can be further divided into two subclasses. First, native words of Tibeto-Burman origin, some of which are of Sino-Tibetan in origin, are illustrated as follows.

|  | Anong | Written Tibetan | Taoping Qiang | Xide <br> Yi | Spoken <br> Burmese |
| :---: | :---: | :---: | :---: | :---: | :---: |
| dog | $\mathrm{d} \varepsilon^{31} \mathrm{grl}_{1} 5$ | khji | $\mathrm{k}^{\mathrm{h}} \mathrm{u} 9^{55}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{w}^{33}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{we}^{55}$ |
| firewood | cuis ${ }^{55}$ | me cin | $\mathrm{sie}^{33}$ | $\mathrm{Sl}^{33}$ | hfi ${ }^{55}$ |
| black | na ${ }^{55}$ | nag po | $\mathrm{n}_{\mathrm{i}} \mathrm{i}^{55} \mathrm{n}_{\mathrm{i}}{ }^{33}$ | $\mathrm{a}^{44} \mathrm{n} \mathrm{o}^{33}$ | n ¢ ${ }^{44}$ |
| new | $\mathrm{n}^{31} \mathrm{se}^{55}$ | gsar po | ts ${ }^{\text {1 }}{ }^{55}$ | $\mathrm{a}^{33} \mathrm{~S} 1^{55}$ | tfi ${ }^{44}$ |
| three | $\mathrm{a}^{31}$ som $^{53}$ | gsum | ts ${ }^{\text {h }}{ }^{55}$ | ss ${ }^{33}$ | tfõ ${ }^{55}$ |

Table (cont.)

|  | Anong | Written Tibetan | Taoping Qiang | Xide Yi | Spoken Burmese |
| :---: | :---: | :---: | :---: | :---: | :---: |
| fish | nua ${ }^{55}$ | ๆ, | $\mathrm{dz} 1^{33}$ | hum ${ }^{33}$ | $\mathrm{ya}^{55}$ |
| stone | luy ${ }^{55}$ | rdo | ко $^{241}$ | $1(\underset{\sim}{u})^{33} \mathrm{ma}^{55}$ | tcau ${ }^{44}$ |
| gall bladder | $\mathrm{y}^{31} \mathrm{da}^{31} \mathrm{k}^{\mathrm{h}} \cdot \mathrm{l}^{55}$ | mkhris pa | $\chi \mathrm{ts} \partial^{55}$ | tct ${ }^{33}$ | $\mathrm{tf} \varepsilon^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{e}^{22}$ |
| heart | nii ${ }^{55} /{ }^{31}$. umm $^{31}$ | snin | $\chi$ tie ${ }^{55} \mathrm{~m}^{55}$ | he ${ }^{33} \mathrm{ma}^{55}$ | no ${ }^{53} 1 \tilde{o}^{55}$ |
| moon | $s 1^{31} \mathrm{la}^{55}$ | zla ba | $6 y^{33} \mathrm{cya}^{55}$ | fo ${ }^{31} \mathrm{bo}^{21}$ | $1 \mathrm{a}^{53}$ |
| nine | $\mathrm{dum}^{31} \mathrm{gum}^{31}$ | dgu | $\chi \mathrm{gux}{ }^{33}$ | $\mathrm{gu}^{33}$ | $\mathrm{ko}^{55}$ |
| steal | $\mathrm{k}^{\mathrm{h}} \mathrm{ws}^{33}$ | rku | $\chi \mathrm{k} 2^{55}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{33}$ | $\mathrm{k}^{\mathrm{h}}{ }^{55}$ |
| pig | Po ${ }^{55}$ | $\mathrm{p}^{\mathrm{h}} \mathrm{ag} \mathrm{pa}$ | $\mathrm{pa}^{33}$ | $\mathrm{vo}^{55}$ | w $\mathrm{c}^{44}$ |
| I | ya ${ }^{31}$ | na | ya ${ }^{55}$ | ya ${ }^{33}$ | ya ${ }^{22}$ |
| pile (up) | bum ${ }^{55}$ | spuns | bo $^{241}$ | $\mathrm{bo}^{33}$ | pos ${ }^{22}$ |

Among the above 20 words, we have nouns, verbs, adjectives, numerals, and pronouns. Half of them date back to Sino-Tibetan and the other half dates back at least to Tibeto-Burman. Although the number of such words is small, they are among the core vocabulary in Anong. A preliminary survey shows that $15 \%$ of the vocabulary collected is cognate with languages in the Lolo-Burmese subgroup, specifically $14.8 \%$ cognate with Yi , and $16.1 \%$ cognate with Lisu. The percentage of cognates with languages in the Jingpo branch is slightly higher than that of the Lolo-Burmese branch, $18.5 \%$ with Jingpo and $33.2 \%$ with Trung. Cognates with languages in other branches are relatively small in number.

A considerable number of the native words in Anong are unique to Anong, most of which were created due to the needs of the Anong way of life. Some of them are derived from those in the core vocabulary, and some are derived through compounding, which will be discussed in detail in the section on word formation. The words reflect not only the characteristics of the region and its environment, but also the Anong way of life and traditions. Those words make up the core of Anong's lexicon.

In addition to native words, Anong has a lot of loans. At this point in time, it is not possible to determine the diachronic layers of the loans. However, we can discern the recent loans from the surrounding languages, since the Anong are mixed with quite a few other ethnic groups. The source of the loans in Anong is complex. In terms of percentage, the majority come from Chinese and Lisu, constituting 25\% of the Anong lexicon. A small number of the loans come from Burmese with occasional instances of borrowings from Bai and Tibetan. There
are also some that came into Anong from Chinese via Lisu. Anong has two classes of Chinese loanwords: early loans which have assimilated to the structure of Anong, and later loans, which have not undergone as much assimilation. These are for the most part nouns but there is also a small number of verbs and classifiers. It is sometimes clear that the loans have in part been borrowed through Lisu because Lisu often has the same Chinese borrowing with an almost identical shape.

| Anong | Pinyin | gloss | Anong | Pinyin | gloss |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $10^{55} \mathrm{tsum}^{55}$ | lúozi | mule | $\mathrm{da}^{31} \mathrm{mo}^{55}$ | màozi | hat |
| $t^{\text {h }} \mathrm{um}^{31} \varepsilon^{55}$ | jiǎo | scissors; <br> shears | ts ${ }^{\text {h }}{ }^{55}$ | cōng | scallions; green onions |
| so ${ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{31}$ | suǒ | lock | $10^{35} \mathrm{tso}^{31}$ | lúzi | stove |
| $\mathrm{p}^{\mathrm{h}} \varepsilon^{31}$ | xuǎnpài | elect | $\mathrm{fu}^{55}$ | yîfēn | portion; share |
| so ${ }^{55}$ | suǒ | to lock |  |  |  |

A later group of borrowings has been entering the language since the founding of the People's Republic of China in 1949, including new technical terms and classifiers.

| Anong | Pinyin | gloss | Anong | Pinyin | gloss |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\$_{1}{ }^{55} \mathrm{tse}^{31}$ | shī | lion | $\mathrm{can}^{35} \mathrm{fa}^{31}$ | zhāngchéng | constitution |
| $\mathrm{k}^{\mathrm{h}} \mathrm{uci}{ }^{35} \mathrm{tcic}^{35}$ | kuàijì | accounting | ts $1^{35} \mathrm{i}^{31}$ | zìyóu | freedom |
| $\mathrm{t}^{\mathrm{h}} \varepsilon^{35} \mathrm{p}^{\mathrm{h}} \mathrm{ij}{ }^{31}$ | tàipíng | peace | $n u^{55} \mathrm{l}^{33}$ | nǔlì | try hard |
| $\mathrm{p}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{p}^{\text {hi }}{ }^{31}$ | pipíng | criticize | $t^{\text {h }} \mathrm{cu}^{55} \mathrm{lu} e^{55}$ | tǎolùn | discuss |
| $\mathrm{ts}^{\text {h }} \mathrm{au}^{35} \mathrm{fan}^{53}$ | zàofãn | rebel; revolt | $\mathrm{ti}^{35} \mathrm{i}^{31}$ | dì-yī | first |
| $\mathrm{i}^{31} \mathrm{i} \tilde{\varepsilon}^{31}$ | yīyuán | a dollar | $\mathrm{i}^{31} \mathrm{li}^{53}$ | yilǐ | one li (half a kilometer) |

In some instances native forms are combined with borrowed forms to create lexical items, as is illustrated below.

| Anong | Pinyin | gloss |
| :--- | :--- | :--- |
| $\mathrm{po}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{ut}^{31}$ | bǎorén | guarantor |
| $\mathrm{ko}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{un}^{55}$ | qiángjiǎo |  |
| $\mathrm{m}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31}$ | mòshuǐner (wall) | Chinese ink |


| Anong | Pinyin | gloss |
| :--- | :--- | :--- |
| $\mathrm{pa}^{55} \mathrm{Sa}^{31} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$ | bǎixìng | common <br> $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \tilde{\mathrm{~b}}^{55}$ <br> $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ss}^{\mathrm{h}} \mathrm{un}^{31}$ |
| càipán | people |  |
| plate |  |  |
| yicóng | grove |  |

In the above examples, $\mathrm{po}^{31}$ is from the Chinese word bǎo 'protect', $\mathrm{pa}^{55} \mathrm{Sa}^{31}$ is from the Chinese compound bǎixìng 'the common people', $\mathrm{ko}^{55}$ came from the Chinese 'corner; angle', $\mathrm{be}^{55}$ came from the Chinese pán 'plate', $m \varepsilon^{31}$ came from the Chinese mò 'ink' and $t s^{h} u y^{31}$ came from the Chinese cóng 'grove'. In each case, the item borrowed from Chinese is combined with an Anong form to create a compound word in Anong.

There are a number of cases of Chinese borrowings existing alongside Anong counterparts with apparently identical meaning.

Table 11: Chinese borrowings alongside native words

|  | native word | Chinese borrowing | Pinyin |
| :---: | :---: | :---: | :---: |
| lime | $1 a^{55} \mathrm{xum}^{31}$ | S1 ${ }^{31} \mathrm{xue}^{31}$ | shíhūi |
| a bank (for money) | dza ${ }^{31} \mathrm{xa}^{31} \operatorname{lay}^{55} \mathrm{tc}^{\text {h }} \mathrm{im}^{31}$ | $\sim^{31} \times \tilde{a}^{55}$ | yínháng |
| rule; custom | $\mathrm{y}^{31} \mathrm{i} \tilde{\mathrm{a}}^{33}$ | $\mathrm{kue}^{55} \mathrm{t}_{6} \mathrm{y}^{33}$ | gūiju |
| study; learn | $t 6^{\text {h }}$ ¢ $\mathrm{n}^{31}$ | cye ${ }^{31} \mathrm{ci}^{31}$ | xúexí |
| confiscate | $\mathrm{di}^{31} \varphi \tilde{\mathrm{a}}^{35} \mathrm{y} \mathrm{u}^{31}$ | $\mathrm{mo}^{31} \mathrm{sul}^{55}$ | mòshōu |

For a period of several hundred years the Nu nationality have lived intermingled with the Lisu people, with consequent widespread mutual borrowing, but with more borrowing from Lisu into Anong. The borrowings are usually related to culture, religion, and daily life activities.

| $\begin{aligned} & \mathrm{S}^{55} \mathrm{gux}^{31} \\ & \mathrm{p}^{\mathrm{h}} \varepsilon^{31} \end{aligned}$ | celebrate flag | $\mathrm{mu}^{\text {k }} \mathrm{k}^{\text {¹ }} \mathrm{gua}^{31} \mathrm{Sq}^{31} \mathrm{gua}^{31}$ | sing a sound celebrate New Year |
| :---: | :---: | :---: | :---: |
| $\mathrm{tum}^{55} \mathrm{~s}^{31}$ | folk song | $\mathrm{ts}^{\text {b }}{ }^{55} \mathrm{dzi}{ }^{31}$ | photograph |
| $\mathrm{sum}^{55} \mathrm{nd}^{31}$ | culture | $\mathrm{la}^{31} \mathrm{t}^{\text {h }} \mathrm{a}^{55}$ | a mill |
| $\mathrm{Po}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55}$ | cabbage | $n \mathrm{n}^{33} \mathrm{do}^{33}$ | smallpox |
| $\mathrm{gu}^{31}$ | coffin |  |  |

We find Lisu borrowings and comparable Anong expressions coexist in Anong. It is actually more common for Lisu expressions to be used among the Anong than Chinese borrowings because most of the Anong speak Lisu. It is also more common to have compounds made up of partly Lisu borrowings and partly Anong native forms, but I am not going into detail on this.

The Nujiang reaches are contiguous with Burma. In downtown Fúgòng, one often comes across people from the bordering areas in

Burma. What is even more noteworthy is that some religious materials were brought into the Anong region from Burma, which have had an impact on the culture and life of the Anong. Needless to say, language influence is no exception, resulting in Anong having a certain number of Burmese loans, shown below.

Table 12: Burmese loans

|  | Native word | Lisu borrowing |
| :---: | :---: | :---: |
| whirlpool | $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ya}^{35} \mathrm{a}^{31} \mathrm{xua}^{55}$ | $\mathrm{i}^{55} \mathrm{tcu}{ }^{33}$ |
| wrought iron | $¢ 6^{31} \mathrm{k}^{\text {h }} \tilde{\varepsilon}^{55}$, $\mathrm{in}^{55}$ | $\mathrm{xu}^{55} \mathrm{mi}^{55}$ |
| right side | $\mathrm{dza})^{31} \mathrm{k}^{\mathrm{h}} \mathrm{c}^{55}$ | $l \varepsilon^{31}{ }^{1} \varepsilon^{55}$ |
| left side | $\mathrm{m}^{31} \mathrm{dzan}{ }^{31} \mathrm{k}^{\mathrm{h}} \mathrm{c}^{55}$ | $1 \varepsilon^{31} \mathrm{\gamma um}^{55}$ |
| leopard | $\left.\mathrm{i}^{31} \mathrm{dzu}\right)^{55}$ | $1 \mathrm{la}^{31} \mathrm{mu}^{55} \mathrm{du}^{31}$ |

Near the Nujiang (Salween) river valley and the Burmese border there are also inhabitants from Burma. More importantly, the Anong are also scattered over a portion of Burma and in each area have been influenced by the local culture. Recently the Anong have been taken in a small number of Burmese words into their vocabulary.

|  | Anong | Pinyin |
| :---: | :---: | :---: |
| glass; cup | $\mathrm{vi}^{55} \mathrm{ka}^{31}$ | bōli |
| powder (face) | Pua ${ }^{55} \mathrm{ts}^{\text {h }}{ }^{31}$ | fěn |
| soap | ts ${ }^{\text {h }}{ }^{31} \mathrm{pi}^{\text {5 }} \mathrm{io}^{55}$ | féizào |
| steamboat |  | lúnchúan |
| train | $m \varepsilon^{33} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{33}$ | huǒchē |
| kerosene | $t \tilde{a}^{35} t^{\text {h }} \mathrm{uc}^{31}$ | méiyóu |
| bell; clock | $n a^{55} \mathrm{l}^{55}$ | zhōng |
| film; movie | bõ ${ }^{55}$ | diànyı̆ng |
| (place name) | $\mathrm{mi}^{31} \mathrm{dz}_{\mathrm{p}}{ }^{55} \mathrm{na}^{31}$ | Mìzhīnà |

We even find half Chinese and half Burmese compounds such as $v^{55} \mathrm{ka}^{31} \mathrm{pin}^{31} \mathrm{ts}^{55}$ 'glass bottle', which is sometimes used to refer to bottles in general. The Burmese borrowing $\mathrm{vi}^{55} \mathrm{ka}^{31}$ is a generic expression in Burmese meaning glass products, though it is also used to refer to glass. The $\mathrm{pin}^{31} \mathrm{ts}_{1}{ }^{55}$ is a Chinese borrowing which means bottle in Chinese.

### 3.2.2. Word Formation

Words in Anong can be divided into mono-morphemic words and compounds. Monomorphemic words are mostly monosyllabic. The number of polysyllabic mono-morphemic words is relatively small. In fact, Anong has less monosyllabic monomorphemic words than other Tibeto-Burman languages, consisting of only about $10 \%$ of its lexicon.

|  | Anong | Pinyin |  | Anong | Pinyin |
| :---: | :---: | :---: | :---: | :---: | :---: |
| sun | n ¢m ${ }^{31}$ | tàiyang | gold | S1 ${ }^{33}$ | jīnzi |
| stone | lun ${ }^{55}$ | shítou | house | $t_{6}{ }^{\text {b }} \mathrm{im}^{31}$ | fángzi |
| eat | $\varepsilon \mathrm{m}^{53}$ | chī | prop up | dzom ${ }^{31}$ |  |
| to spit | $\mathrm{p}^{\mathrm{h}} \mathrm{l}^{31}$ | tù | to brush, | $x \tilde{a}^{55}$ | shūa |

There are, in contrast, relatively few disyllabic but mono-morphemic words.

|  | Anong | Pinyin |
| :--- | :--- | :--- |
| cloud | $\mathrm{io}^{31} \mathrm{mumn}^{55}$ | yún |
| star | $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{n}^{55}$ | xīngxing |
| flea | $\mathrm{ci}^{31} \mathrm{li}^{31}$ | tiàozao |
| neck | $\mathrm{go}^{31} \mathrm{IO}^{53}$ | bózi |


|  | Anong | Pinyin |
| :--- | :--- | :--- |
| moon | $\mathrm{sa}^{31} \mathrm{la}^{55}$ | yuè |
| a crow | $\mathrm{dza}^{3 \mathrm{~K}^{\mathrm{h}} \mathrm{k}^{55}}$ | wūyā |
| cuckoo | $\mathrm{ka}^{55} \mathrm{pu}^{31}$ | bùgǔ |
| ant | $\mathrm{so}^{31} \mathrm{zo}^{55}$ | mǎyǐ |

Although bisyllabic monomorphemic words do exist, they are rarer than monosyllabic mono-morphemic words. Polysyllabic mono-morphemic words do exist in Anong, but they are extremely rare. Only a few can be found among the words I collected, and they are mostly names of insects and birds, illustrated below.

|  | Anong | pinyin |
| :---: | :---: | :---: |
| magpie | $\mathrm{a}^{31} \mathrm{n} \varepsilon^{55} \mathrm{tca}^{31} \mathrm{tca}{ }^{31}$ | xĭque |
| centipede | $k^{\mathrm{h}} \mathrm{ur}^{31} \mathrm{xum}^{55} \mathrm{la}^{31} \mathrm{ma}^{55}$ | wúgōng |
| wasp | $m u l^{31} \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{31} \mathrm{mus}^{55} \mathrm{vi}^{33}$ | huángfēng |
| dragonfly | $\mathrm{da}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{tci}^{55} \mathrm{guy}^{55}$ | qíngtīng |
| gecko; house lizard | $\mathrm{ka}^{31} 1 \mathrm{la}^{31} \mathrm{dzan}^{55}$ | bǐhŭ |
| sparrow | $\mathrm{la}^{55} \mathrm{dz} \mathrm{l}^{33} \mathrm{so}^{55}$ | máquè |

### 3.2.3. Semantic Classification

There are nine main categories:

## (1) Homonyms

These are words with the same pronunciation but different meanings. Since Anong is still a richly polysyllabic language, it has a relatively small number of homophones compared with other languages. There are two types of homophonous words in Anong: those that are homophonous in pronunciation and tones and those that are pronounced the same except for different tones. The latter type is more prevalent. The following are examples of completely homophonous words:


```
a }\mp@subsup{}{}{31}\mp@subsup{sum}{}{31}\quad\mathrm{ 'boat' or 'to select (seeds)' k}\mp@subsup{}{}{\textrm{h}}\mp@subsup{\textrm{a}}{}{55}\quad\mathrm{ 'chicken' or 'speech/language'
ian 31 'sheep' or 'classifier for nni 55 'stool (fecal)' or 'eye' or
    matter' 'seized'
```

Anong has many words that differ only in the tone, as shown below:

| $\left.t 6^{\text {h }} \mathrm{u}\right)^{55}$ | 'jug' | $\lim ^{55}$ | 'warm (by fire)' |
| :---: | :---: | :---: | :---: |
| $t^{\text {c }}{ }^{\text {h }}$ un ${ }^{33}$ | 'ride (swing)' | $\lim ^{33}$ | 'boil (water)' |
| $t^{4}{ }^{\text {h }}$ u ${ }^{31}$ | 'straight' or 'pod (bean)' | $\mathrm{lim}^{31}$ | 'egg' or 'taste, smell' |
| $t 6^{\text {h }}$ un ${ }^{53}$ | 'dig (yam)' | $\lim ^{53}$ | 'bury' |
| $t 6^{\text {h }}$ un ${ }^{35}$ | 'to fish' | $\lim ^{35}$ | 'lay (egg)' or 'roll up' |

## (2) Synonyms

These are words with the same meaning but different in pronunciation. It is rare to have words with identical meanings but with different pronunciations in a language. Here I refer to words in Anong that have similar meanings. Often such words come from different languages, which is a temporary phenomenon resulting from language contact. In time, some of the words will be lost and some will remain. The following are examples of synonyms.

| $\mathrm{m}^{31} \mathrm{~d} \not \mathrm{c}^{\text {a }}{ }^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ | 'left' | $1 \varepsilon^{31} \mathrm{\gamma cm}^{55}$ | 'left' (Lisu loan) |
| :---: | :---: | :---: | :---: |
| dzan ${ }^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ | 'right' | $1 \varepsilon^{31} \mathrm{i}^{55}$ | 'right' (Lisu loan) |
| $\left.\mathrm{i}^{31} \mathrm{dzun}\right)^{55}$ | 'leopard' | $\mathrm{la}^{31} \mathrm{mu}{ }^{55} \mathrm{du}^{31}$ | 'leopard' (Lisu loan) |

Such synonymous pairs are common in Anong between native forms and loans from Lisu, Chinese, or Burmese. In fact, such synonyms are not confined to native forms coexisting with loans. We also find synonyms among native words, such as the following.

| $\mathrm{ts}^{\mathrm{h}} 1^{31} \tan ^{5}$ | 'squrrel' | tca ${ }^{55} \mathrm{xom}^{31}$ | 'squrrel' |
| :---: | :---: | :---: | :---: |
| dzi ${ }^{31}$ sun ${ }^{55}$ | 'weasel' | $\operatorname{ts}^{\mathrm{h}} \mathrm{q}^{31} \mathrm{v} \cdot \mathrm{l}^{31}$ | 'weasel' |
| $b u^{31} \mathrm{lu}^{31}$ | 'strap | tc ${ }^{h} a^{55} p^{h} a^{53}$ | 'strap |
|  | (for carrying a baby)' |  | (for carrying a baby)' |
| tsi2 ${ }^{55}$ | 'classifier (yoke for cows)' | $\mathrm{s}^{3}{ }^{33}$ | 'classifier |
| $\mathrm{k}^{\mathrm{h}}{ }^{31}$ | 'classifier | $\left.t 6^{\text {h }} \mathrm{w}\right)^{55}$ | 'classifier |
|  | (for sentences)' |  | (for sentences)' |

(3) Near Synonyms

These are words with different pronunciations but similar meanings that are related in some way.

| P0 ${ }^{55} \mathrm{luw}^{35}$ | 'head scarf (for men)' | $\mathrm{da}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55}$ | 'tripod (made of metal for cooking)' |
| :---: | :---: | :---: | :---: |
| $20^{55} t^{\text {h }} \mathrm{u}^{35}$ | 'head scarf (for women)' | $n i^{33} \mathrm{gu}^{55}$ | 'tripod (made of stone |
| $¢{ }^{55} \mathrm{li}^{31} \mathrm{li}^{31} \mathrm{t}^{\text {h }} \mathrm{i}^{31} \mathrm{za}^{31}$ | 'road (for horses)' | Pday ${ }^{55}$ | 'climb (a tree)' |
| $\mathrm{mo}^{55} \mathrm{do}^{55} \mathrm{t}^{\text {h }}{ }^{31} \mathrm{za}^{31}$ | 'road (for cars)' | $\mathrm{a}^{31}$ ¢om $^{31}$ | 'crawl' |

(4) Polysemous Words

Polysemous words differ from homophonous words in that, while there are no connections between the meanings of homophones, the meanings of polysemous words are connected, if not always synchronically, certainly through diachronic extension.

| io $^{31} \mathrm{mumm}^{55}$ | 'cloud or fog' |
| :--- | :--- |
| $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ven}^{31}$ | 'snow or frost or ice' |
| $\mathrm{min}^{55}$ | 'hair or mane or feather' |
| $\lim ^{31}$ | 'egg or insect egg or fish egg or to lay eggs' |
| $\operatorname{culy}^{55}$ | 'tree or firewood or wood' |

For cun ${ }^{55}$, everything that has something to do with tree or wood is related to it. For instance, $\varphi_{w n}{ }^{55} \mathrm{Iom}^{33}$ 'wood borer', $\varphi \mathrm{wn}^{55} \mathrm{~S}^{33}$ 'fruit',
 'classifier for plants' can also be used to mean 'tree'.

## (5) Antonyms

Mainly among the adjectives and among the directions, new sets of words are emerging, making use of various types of antonyms.

Table 13: Antonyms

|  | Anong |  | Anong |
| :---: | :---: | :---: | :---: |
| above | $\mathrm{ga}^{31} \mathrm{t}^{\text {h }} \mathrm{dq}^{55}$ | below | $\mathrm{ga}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{ar}^{33}$ |
| inside | $\mathrm{Pi}^{55} \mathrm{cur}^{33}$ | outside | $\mathrm{il}^{55} \mathrm{di}^{31} \mathrm{tc}^{1{ }^{17} 1^{55}}$ |
| sunny side of mountain | $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \lim ^{55}$ | shady side of mountain | $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{dzam}^{31}$ |
| long | ua ${ }^{55} \mathrm{ia}^{31}$ | short | tci ${ }^{55} \mathrm{t}^{\mathrm{h}}$ un ${ }^{55}$ |
| wide (road) | $\mathrm{ua}^{55} \mathrm{ga}^{31}$ | narrow | $\mathrm{tc}{ }^{55} \mathrm{p}^{\text {h }} \mathrm{i}^{55}$ |
| big | $\mathrm{ua}^{55} \mathrm{dum}{ }^{31}$ | small | $\left.t^{\text {h }} \mathrm{i}^{55}\right] \mathrm{la}^{55}$ |
| high, tall | $\mathrm{ua}^{55} \mathrm{may}{ }^{31}$ | short, low | $\mathrm{tc}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{nim}^{31}$ |
| thick, coarse | $\mathrm{ua}^{55} \mathrm{lom}^{33}$ | thin (pole) | $\mathrm{tc} \mathrm{c}^{55} \mathrm{~S}_{1} \mathrm{n}^{33}$ |
| deep | num ${ }^{31}$ | shallow | $\mathrm{m}^{31} \mathrm{n} \mathbf{m u}{ }^{31}$ |
| beautiful | $\mathrm{a}^{31} \mathrm{n} \varepsilon \mathrm{m}^{55}$ | ugly | $\mathrm{ma}^{31} \mathrm{n} \mathrm{m}^{55}$ |

Of the ten pairs of antonyms above, the first three are nouns with the first two being directionals. The two words in each pair are opposite in meaning with the same prefix on two different roots. The remaining seven pairs are adjectives, with the first five having the same prefix in the left column and the same prefix in the right column, though the prefix in the right column alternates between aspirated and unaspirated initials depending on the consonant immediately following the prefix. If the following consonant is voiced, then the initial consonant of the prefix is aspirated. Otherwise it is unaspirated. The final two pairs are also antonyms but of a different sort, namely, the opposite meaning is realized through the use of negative marker. That is to say, not deep means shallow and not beautiful means ugly. However, the negative marker $m^{31}$ precedes num ${ }^{31}$ which has a reduced syllable before it while $\mathrm{ma}^{31}$ occurs on $n \varepsilon \mathrm{~m}^{55}$ because in this case there is a reduced syllable $\mathrm{a}^{31}$ before $n \varepsilon m^{55}$. In other words, $\mathrm{ma}^{31}$ is made up of the negative marker $\mathrm{m}^{31}$ and the reduced syllable $\mathrm{a}^{31}$.

### 3.3. Word Formation Processes

It was mentioned earlier that words in Anong can be divided into native words and loans. In this section, we will focus on the rich word formation processes of the native words. The Anong have lived by the Nujiang for centuries. Through their work and daily life activities, including their fight against the elements, the Anong have enriched their lexicon by creating a large number of new words through their unique way of
thinking based on the core vocabulary that are of Tibeto-Burman origin. Anong has a variety of word formation processes. The commonly used types are derivation, compounding, reduplication, and onomatopoeia. We will discuss each of those processes below.

### 3.3.1. Derivation

Prefixes. Derivation through prefixation and suffixation is very productive in Anong. Anong is rich in prefixes (or reduced syllables in prefix position) ${ }^{1}$. Only single vowels with no consonant endings occur in prefixes. The following prefixes have a high frequency of occurrence.
(1) The prefix $p^{h} u^{31}$ is used productively and with considerable frequency.

|  | Anong |  | Anong |
| :---: | :---: | :---: | :---: |
| tongue | $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} l^{31}$ | poison | $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{la}^{55}$ |
| stove | $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} i \varepsilon^{31}$ | intestines | $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{im}^{55}$ |
| stomach | $\mathrm{p}^{\mathrm{h}} \mathrm{uc}^{31} \mathrm{i} \mathrm{n}^{31}$ | ghosts | $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \tilde{\mathrm{a}}^{33}$ |
| sunny side of | $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \lim ^{55}$ | shady side of | $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{dzam}^{31}$ |

(2) $\mathrm{bu}^{31}$ is also a productive prefix. ${ }^{2}$

|  | Anong |  | Anong |
| :---: | :---: | :---: | :---: |
| liver | $\mathrm{bum}^{31} \operatorname{cin}^{33}$ | insect; worm | $\mathrm{bu}^{31} \mathrm{lun}{ }^{33}$ |
| snail | bui ${ }^{31}$ nup ${ }^{55}$ | bequeath | bur ${ }^{31} \mathrm{sqn}^{31}$ |
| k. of rodent | $\mathrm{buw}{ }^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{53}$ | itch | $\mathrm{bum}^{31} \mathrm{san}^{55}$ |
| winding, crooked | $b u^{31} \mathrm{t}^{\text {h }} \mathrm{a}^{55}$ | long-tailed sparrow | $b u^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{55}$ |

(3) mu ${ }^{31}$ is a commonly used prefix. It has been suggested that this prefix goes on words that are related to human organs, but this does not seem to be the case. The following are examples.

[^9]|  | Anong |
| :--- | :--- |
| chin | $\mathrm{mw}^{31} \mathrm{gi}^{31}$ |
| mushroom | $\mathrm{mu}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{am}^{55}$ |
| dawn | $\mathrm{mw}^{31} \mathrm{ga}^{55} \mathrm{ga}^{55}$ |


|  | Anong |
| :--- | :--- |
| cat | $\mathrm{mux}^{31} \mathrm{ni}^{31}$ |
| place; site | $\mathrm{mux}^{31} \mathrm{gam}^{53}$ |
| peach | $\mathrm{mux}^{31} \mathrm{sqm}^{31}$ |


|  | Anong |
| :--- | :--- |
| grain; cereals | $\mathrm{mux}^{31} \mathrm{dza}^{33}$ |
| guest | $\mathrm{mu}^{31} \mathrm{n} \mathrm{\varepsilon m}{ }^{35}$ |

(4) The prefix $s 1^{31}$

This is also a very productive prefix. This prefix goes on verbs to mark causative. It also goes on nouns. In the past, people treated the two instances of this prefix as the same. In fact, these are two different prefixes from different sources. ${ }^{3}$

|  | Anong |  | Anong |
| :---: | :---: | :---: | :---: |
| daughter | $\mathrm{sl}^{31} \mathrm{lay}^{55} \mathrm{za}^{55}$ | salt | $\mathrm{sl}^{31} \mathrm{lan}^{55}$ |
| moon | $s^{31}{ }^{3} \mathrm{la}^{55}$ | bee sting | $s)^{31} l^{55}$ |
| garlic | $s s^{31} \mathrm{be}^{33}$ | Chinese mugwort | $\mathrm{sl}^{31} \mathrm{mo}^{33}$ |
| nose | $\mathrm{sl}{ }^{31} \mathrm{na}^{55}$ | solid bamboo | $s_{1}{ }^{31} \mathrm{~m} \varepsilon \mathrm{n}^{55}$ |

(5) The $s 1^{31}$ prefix has a relatively low frequency of occurrence. It mainly occurs before roots with retroflex consonant initials.

|  | Anong |  | Anong |
| :---: | :---: | :---: | :---: |
| quilt | S1 ${ }^{31} \mathrm{dum}^{31}$ | pine tree | S1 ${ }^{31} \mathrm{Iu}^{33}$ |
| pear | S1 ${ }^{31} \mathrm{tS}^{\text {h }} \mathrm{o}^{55}$ | pus | S1 ${ }^{31} \mathrm{dzum}^{31}$ |
| skirt | S1 ${ }^{31} \mathrm{I} \mathrm{m}^{31}$ | be on diet | S1 ${ }^{31} \mathrm{dan}^{31} \mathrm{~S} 1^{55}$ |
| break; smash | S1 ${ }^{31}$ xuam ${ }^{53}$ | bashful; shy | S $1^{31} \mathrm{Jan}^{55}$ |

(6) The prefix $\mathrm{du}^{31}-$. This prefix is not very frequent, sometimes being manifested as $\mathrm{di}^{31}$-.

|  | Anong |  | Anong |
| :---: | :---: | :---: | :---: |
| nine | $\mathrm{dum}^{31} \mathrm{gum}^{31}$ | neck tumor | $\mathrm{dux}^{31} \mathrm{ba}^{55}$ |
| tendon | $\mathrm{dum}^{31} \mathrm{gu}^{31}$ | thin person | $\operatorname{dum}^{31} \mathrm{zu}^{55} \varepsilon^{31}$ |
| walking stick | $\mathrm{dux}^{31} \mathrm{Ian}^{31}$ | disaster | $d w^{31} k^{\mathrm{h}} \mathrm{U}^{55}$ |
| wring; twist | $\mathrm{dum}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$ | center; middle | $\mathrm{di}^{31} \mathrm{du}$ |

[^10](7) The prefix $\mathrm{Im}^{31}-$, $\mathrm{Zum}^{31}-$, or $\mathrm{zl}^{31}$ - is often used in everyday conversation. Sometimes it varies even to the degree of becoming io, then sometimes occurring with the high level tone.

|  | Anong |
| :---: | :---: |
| mountain | $\mathrm{Ium}^{31}$ Puy ${ }^{55}$ |
| cure | $\mathrm{zum}^{31} \mathrm{mum}{ }^{55}$ |
| tangerine | $\mathrm{zl}^{31} \mathrm{ma}^{55} \mathrm{tcum}^{55}$ |
| cloud | io ${ }^{55} \mathrm{mun}^{55}$; io $^{31} \mathrm{mum}^{55}$ |


|  | Anong |
| :--- | :--- |
| necklace | $\mathrm{zuw}^{31} \mathrm{luq}^{35}$ |
| abandoned field | $\mathrm{zl}^{31} \mathrm{bum} \mathrm{m}^{55}$ |
| acne | io $^{55} \mathrm{dz} 1^{31}$ |

(8) $\mathfrak{y}^{31}-/ \mathrm{Ro}^{31}-/ R \mathrm{y}^{31}-$. This is one of the most productive prefixes. Its frequency of occurrence is slightly lower than the most productive prefix $\mathrm{a}^{31}$. The glottal stop is very robust before the syllabified velar nasal so we transcribe the glottal stop. In other cases, we have left the glottal stop out.

|  | Anong |  | Anong |
| :---: | :---: | :---: | :---: |
| seed | $\mathrm{y}^{31} \mathrm{iuw}^{31}$ | cave; hole | $\mathfrak{y}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u} \tilde{\mathrm{a}}^{31}$ |
| year; age | $\mathrm{y}^{31}$ nuwn ${ }^{55}$ | day | $\mathrm{y}^{31} \mathrm{ni}^{5}{ }^{55}$ |
| nut; kernel | $\mathrm{y}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{n}^{31}$ | stem; stalk | $\mathrm{y}^{31} \mathrm{dzuy}{ }^{55}$ |
| fetus | $\eta^{31} \mathrm{t}^{\text {h }}$ cn $\mathrm{n}^{31}$ | peel; rind | $\mathrm{y}^{31} \mathrm{t}_{6} \mathrm{~h}^{\text {i }}{ }^{55}$ |
| hoof | $\mathrm{oo}^{31} \mathrm{go}^{31} \mathrm{nin}^{31}$ | silkworm chrysalis | Po ${ }^{31}{ }^{\text {cui }}{ }^{55}$ |
| mustard greens | ? $0^{31} \mathrm{n}^{55}$ | spleen | Po $0^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ven}^{55}$ |

(9) $a^{31}$-. This is the most productive prefix in Anong. It often occurs with a glottal stop. Since the glottal stop does not signal any meaning distinction, I have left the glottal stop out in all cases.

|  | Anong |
| :--- | :--- |
| ear | $\mathrm{a}^{31} \mathrm{na}^{31}$ |
| mouse; rat | $\mathrm{a}^{31} \mathrm{din}^{55}$ |
| soak; bubble | $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{um}^{55}$ |
| wild pepper | $\mathrm{a}^{31}$ dzam $^{55}$ |


|  | Anong |
| :--- | :--- |
| tooth | $\mathrm{a}^{31} \mathrm{sa}^{31}$ |
| person | $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31}$ |
| sheep | $\mathrm{a}^{31} \mathrm{ia} \mathrm{\eta}^{31}$ |
| hand | $\mathrm{a}^{31} \mathrm{vu}^{35}$ |

(10) $\mathrm{i}^{55}-/ \mathrm{i}^{55}-/ \mathrm{i}^{31}$-. This prefix has several variants and they alternate, mainly depending on the syllable it occurs with. Sometimes the glottal stop can be deleted.

|  | Anong |  | Anong |
| :---: | :---: | :---: | :---: |
| inside | $2 i^{55}$ duy ${ }^{33}$ | nearby | $2 i^{55} \mathrm{dza}^{55}$ |
| outside | Pi ${ }^{55} \mathrm{di}^{31} \mathrm{tc}^{1 \mathrm{l}_{1}{ }^{55}}$ | sawdust | $\mathrm{Pi}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ |
| future | $\mathrm{i}^{55} \mathrm{zan}^{31}$ | leopard | $i^{31}$ dzuy ${ }^{55}$ |
| water duck | ?i ${ }^{55} \mathrm{bu}^{31}$ | lungs | $\mathrm{i}^{31} \mathrm{sux}^{55}$ |

In addition to the ten prefixes above, Anong also has some low frequency prefixes, such as $\mathrm{pu}^{31}, \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31}, \mathrm{dz} \mathbf{1}^{31}, \mathrm{tu}^{31}, \mathrm{t}^{\mathrm{h}} \mathrm{u}^{31}, \mathrm{dum}^{31}, \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31}$, $\mathrm{dz} \mathrm{i}^{31}, \mathrm{ci}^{31}, \mathrm{ni}^{31}, \mathrm{ku}^{31}, \mathrm{k}^{\mathrm{h}} \mathrm{u}^{31}$, and $\mathrm{gu}^{31}$. I will not give examples for those low frequency affixes. ${ }^{4}$ It is noteworthy that it is not possible at this point to figure out the meanings of most of the prefixes in Anong. This is especially true of those prefixes that came from consonant cluster reductions, which in most cases should be treated as part of the root since they are like prefixes only because of where they occur and their phonological characteristics. We often call such prefixes reduced syllables to differentiate them from true prefixes, which is probably a more accurate way of describing them.

Suffixes. Anong has a certain number of suffixes. Although they are fewer in number than prefixes, they are no less productive. Also, the meanings and functions of all of the suffixes are quite clear. The following are the common ones.
(1) -su ${ }^{55}$. This suffix is common among Tibeto-Burman languages. Its original meaning was 'person'. It has been grammaticalized into a suffix on the verb to derive a noun meaning the person who performs the action encoded in the verb. In some languages, it is still being used as a full lexical item meaning person. In Anong, a different form is used to mean 'person', which is $\mathrm{a}^{31} \mathrm{tsan}^{31}$. In many cases, it occurs on a VN (Verb-Noun) compound.

|  | Anong |  | Anong |
| :---: | :---: | :---: | :---: |
| herder | $\left.\mathrm{a}^{31} \mathrm{t} \mathrm{c}^{\mathrm{h}} \mathrm{u}\right)^{53} \mathrm{su}^{55}$ | thief | $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{su}^{55}$ |
| teacher | $s 1^{31} \mathrm{lam}^{55} \mathrm{su}^{55}$ | goldsmith | S1 ${ }^{33} \mathrm{z} \mathrm{n}^{55} \mathrm{su}^{55}$ |
| woodcutter | $¢_{\text {cur }}{ }^{55} \mathrm{ua}^{31} \mathrm{su}^{55}$ | a cook | $\mathrm{a}^{31} \mathrm{~g}, \eta^{55} \mathrm{k}^{\mathrm{h}} \mathrm{in}^{55} \mathrm{su}^{55}$ |
| butcher | P0 ${ }^{55} \mathrm{san}^{55} \mathrm{su}^{55}$ | translator | $\mathrm{k}^{\mathrm{h}} \mathrm{S}^{55} \mathrm{ci}^{31} \mathrm{t}^{\text {him }}{ }^{55} \mathrm{su}^{55}$ |
| tailor; dressmaker | $\mathrm{ga}^{31} \mathrm{mu}{ }^{31} \mathrm{p}^{\mathrm{h}} \mathrm{c}^{55} \mathrm{su}^{55}$ |  |  |

[^11](2) $-p^{h} u^{31}$. This suffix is similar to $-\mathrm{su}^{55}$. In Lisu, it is a very productive suffix. We have noticed that some Lisu loans with this suffix have a high frequency of occurrence. Consequently, this originally uncommonly used suffix in Anong has become very productive.

|  | Anong |  | Anong |
| :---: | :---: | :---: | :---: |
| Trung person Lolo person (Yi) guarantor; sponsor | $\mathrm{ma}^{55} \mathrm{ts}^{\mathrm{h}} \varepsilon^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ $l^{35} \mathrm{lo}^{33} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ $p^{31} \mathrm{p}^{\mathrm{h}} \mathrm{w}^{31}$ | Bai person sorceress butler | $\begin{aligned} & \operatorname{la}^{31} b u^{31} p^{\mathrm{h}} \mathrm{u}^{31} \\ & \mathrm{da}^{31} \mathrm{sic}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \\ & \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{qn}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \end{aligned}$ |

Among the six examples in the group above, the first four are Lisu loans. The fifth form is made up of the Chinese word bǎo 'guarantee' plus the suffix -phu ${ }^{31}$ to mean 'guarantor'. The sixth form consists of the Anong form $\mathrm{t}^{\mathrm{h}}{ }^{\mathrm{i}} \mathrm{im}^{31}$ 'house', the Chinese word khay ${ }^{55}$ 'look', and the suffix $-\mathrm{p}^{\mathrm{h}} \mathrm{w}^{31}$ meaning 'butler'.
(3) $-\mathrm{d}_{\mathrm{m}} \mathrm{m}^{55}$ This suffix is also a nominalizer that goes on verbs, similar to $\mathrm{su}^{55}$. The difference is that $\mathrm{su}^{55}$ derives nouns that refer to people whereas d $\varepsilon \mathrm{m}^{55}$ creates nouns that refer to things.

|  | Anong |
| :--- | :--- |
| to eat | $\mathrm{Em}^{53}$ |
| to fan | $\mathrm{di}^{31} \mathrm{fI} 1^{55}$ |
| to place under | $\mathrm{ci}^{31} \mathrm{n} \varepsilon^{55}$ |


|  | Anong |
| :--- | :--- |
| food | $\varepsilon \mathrm{m}^{53} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$ |
| a fan | $\left.\mathrm{di}^{31} \mathrm{fI}\right\rceil^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$ |
| cushion, pad, mat | $\operatorname{ci}^{31} \mathrm{n} \varepsilon^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$ |

In most cases, it occurs with VN (Verb-Noun) compounds meaning what something is used for.

$$
\begin{aligned}
& \mathrm{ma}^{33} \text { xun }^{55} \text { cloth }+\mathrm{zan}^{53} \text { weave }+-\mathrm{d}^{2} \mathrm{~m}^{55}==>\mathrm{ma}^{33} \mathrm{xul}^{55} \mathrm{zan}^{53} \mathrm{~d}_{\mathrm{dm}}{ }^{55} \text { loom } \\
& \text { in }{ }^{55} \text { sweat } \quad+\operatorname{cin}^{55} \text { wipe }+-{\mathrm{d} \varepsilon \mathrm{~m}^{55}}^{5}==>\mathrm{in}^{55} \operatorname{cin}^{55}{\mathrm{~d} \varepsilon \mathrm{~m}^{55} \quad \text { towel }}^{5} \\
& l^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}{ }^{55} \text { head }+ \text { xuan }^{55} \text { wrap }+-\mathrm{d}_{\mathrm{m}} \mathrm{~m}^{55}==>\mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55} \mathrm{xuan}^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55} \text { scarf; turban } \\
& \mathrm{a}^{31} \mathrm{vu}^{35} \text { hand }+\operatorname{dim}^{55} \text { cover }+-\mathrm{d}^{2} \mathrm{~m}^{55}==>\mathrm{a}^{31} \mathrm{vu}^{35} \mathrm{dim}^{55}{\mathrm{~d} \varepsilon \mathrm{~m}^{55} \quad \text { gloves }}^{55} \\
& \mathrm{ma}^{55} \text { face } \quad+\mathrm{dz} \mathrm{\varepsilon n}{ }^{31} \text { wash } \quad+-\mathrm{d} \varepsilon \mathrm{~m}^{55}==>\mathrm{mã}^{55} \mathrm{~d} \not \varepsilon^{23} \mathrm{n}^{31} \mathrm{~d} \varepsilon \mathrm{~m}^{55} \quad \text { washbasin } \\
& t^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{31} \text { fire }+\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \text { blow }+-\mathrm{d} \varepsilon \mathrm{~m}^{55}==>\mathrm{tq}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{31} \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55} \text { blow tube }
\end{aligned}
$$

(4) $-\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ This suffix goes on nouns of places, times, and directions to refer to locations and times.

|  | Anong |  | Anong |
| :---: | :---: | :---: | :---: |
| in front; front | $m a^{55} \mathrm{su}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{d}^{55}$ | opposite | $1 u^{55} \mathrm{lu}^{35} \mathrm{k}^{\text {h }} \mathrm{c}^{55}$ |
| lower course | $2 i^{55} \mathrm{k}^{\text {h }} \mathrm{a}^{55}$ | upper course | $n \mathrm{a}^{55} \mathrm{k}^{\text {h }} \mathrm{c}^{55}$ |
| (of river) |  | (of river) |  |
| reverse; wrong side | $2 i^{55} \mathrm{ian}{ }^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ | over, above; head | $n a^{33} t^{\text {h }} a^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ |
| evening | $\mathrm{a}^{31} \mathrm{Sl}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ | this evening | $\mathrm{d} \varepsilon^{55} \mathrm{~S}^{55} \mathrm{k}^{\text {h }} \mathrm{a}^{55}$ |
| last night | $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ma}^{55} \mathrm{~S} 1^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ |  |  |

(5) $-\varepsilon^{55}$ or $-\varepsilon^{31}$ This suffix appears on stative adjectives. ${ }^{5}$

|  | Anong |  | Anong |
| :---: | :---: | :---: | :---: |
| thin; watery | $\mathrm{ga}^{31} \varepsilon^{55}$ | deep | numi ${ }^{31} \varepsilon^{31}$ |
| black | na ${ }^{55} \varepsilon^{31}$ | pointed | $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{55} \varepsilon^{55}$ |
| light (weight) | $\mathrm{a}^{31} n \tilde{a}^{31} \varepsilon^{31}$ | heavy | $\mathrm{a}^{31} \mathrm{l}^{33} \varepsilon^{31}$ |

When this suffix goes on adjectives that end with a consonant, the consonant goes with the suffix to form a syllable.

(6) $-\mathrm{za}^{55}$ This suffix has a low frequency of occurrence. It occurs on human nouns to refer to young people.
youngster; lad $\quad \mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{za}^{31} \quad$ young married woman; $\quad \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55} \mathrm{za}^{55}$ female
girl

$$
s_{1}{ }^{31} \operatorname{lan}^{55} \mathrm{za}^{55}
$$

(7) -ua ${ }^{31}$. This suffix goes on adjectives and other words to derive adverbial expressions.

[^12]| $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55} \mathrm{ua}^{33}$ | quietly; stealthily | $\mathrm{ma}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{mn}{ }^{55} \mathrm{ua}^{33}$ | unceasingly; |
| :---: | :---: | :---: | :---: |
| $\mathrm{ma}^{31} \mathrm{n} \varepsilon \mathrm{n}^{55} \mathrm{ua}^{33}$ | motionlessly | $\mathrm{d} 7 \mathrm{O}^{55} \mathrm{~d}_{7}{ }^{33} \mathrm{ua}^{33}$ | continuously everyday; daily |
| $a^{31} t c^{h} w y^{55} t \epsilon^{h} u \eta^{55}$ | in vain; for nothing (adv.) |  |  |

### 3.3.2. Compounding

Compounding is the main word formation process in Anong. Most of the words in Anong are created through compounding. We can classify the compounds into the following types based on the relationship between the roots in the compound.
(1) Coordinate compounds. In this type of compounds, there is no modified and modifying relationship between the roots. The number of such compounds is relatively small.

$$
\begin{array}{llll}
\begin{array}{l}
\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \\
\text { father }
\end{array} \mathrm{a}^{\mathrm{a}^{31} \mathrm{mu}^{31}} \begin{array}{l}
\text { mother }
\end{array} & == & \begin{array}{l}
\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{a}^{31} \mathrm{mu}^{31} \\
\text { parents }
\end{array} \\
\begin{array}{l}
\mathrm{o}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \\
\text { uncle }
\end{array}+\begin{array}{l}
\mathrm{au}^{31} \mathrm{ma}^{31} \\
\text { aunt }
\end{array}==> & \begin{array}{l}
\mathrm{o}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{au}^{31} \mathrm{ma}^{31} \\
\text { uncle and aunt }
\end{array}
\end{array}
$$

(2) Modified-modifying and modifying-modified compounds. Most of the compounds in Anong belong to this type.

Modified-modifying compounds:

$$
\begin{aligned}
& \operatorname{la}^{31} \operatorname{tcq}^{55}+p^{\mathrm{h}} \mathbf{u n}{ }^{55}=\Rightarrow \quad \operatorname{la}^{31} \operatorname{tca}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55} \\
& \text { tea circular bowl shaped tea leaves } \\
& \operatorname{lug}^{55} \quad+\mathrm{sux}^{55} \quad==>\quad \operatorname{lun}^{55} \mathrm{sux}^{55} \\
& \text { stone mill grindstone }
\end{aligned}
$$

Modifying-modified compounds:

$$
\begin{aligned}
& \mathrm{ca}^{31} \mathrm{Ia}^{31} \\
& \text { wheat }
\end{aligned}{\underset{\text { flour }}{\mathrm{bum}}{ }^{55}}_{\text {flour }}==>\quad \begin{aligned}
& \mathrm{ca}^{31} \mathrm{Ia}^{31} \mathrm{bumy}^{55} \\
& \text { string noodles }
\end{aligned}
$$

(3) Noun-complement compounds. Strictly speaking, noun-complement compounds are also a type of modified-modifying compounds,
usually with the first element as the center. The complement is often a classifier. This compounding process is quite productive.

$$
\begin{aligned}
& \begin{array}{l}
\operatorname{cun}^{55} \\
\text { firewood }
\end{array}+\begin{array}{l}
\mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \\
\text { section }
\end{array}==> \\
& \begin{array}{l}
\operatorname{cur~}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \\
\text { wood }
\end{array} \\
& \begin{array}{l}
\mathrm{s}^{55} \\
\text { tree }
\end{array}+\begin{array}{l}
\text { dzur }{ }^{55} \\
\text { tree, clf. }
\end{array}==>
\end{aligned} \begin{aligned}
& \mathrm{s1}^{55} \mathrm{dzuri}{ }^{55} \\
& \text { tree }
\end{aligned}
$$

(4) Verb-object compounds. Tibeto-Burman languages are SOV in word order, and in a verb phrase, the order is OV. In Anong, verbobject compounds have the same OV order.

$$
\begin{aligned}
& \mathrm{la}^{33}+\mathrm{t}^{\mathrm{h}} \mathbf{u \eta} \mathrm{P}^{55} \quad==>\mathrm{la}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{mun}^{55} \\
& \text { hand bind around bracelet } \\
& \begin{array}{l}
\operatorname{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55}+\mathrm{xuan}^{55} \\
\text { head }
\end{array}==>\mathrm{la}_{\text {wrap }} \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55} \text { xuan }^{55}
\end{aligned}
$$

(5) Subject-verb compounds

$$
\begin{aligned}
& \begin{array}{l}
\mathrm{Pa}^{31} \mathrm{xa}^{35}+\mathrm{di}^{31} \mathrm{sa}^{31} \\
\text { lame }
\end{array}==\begin{array}{l}
\mathrm{Pa}^{31} \mathrm{xa}^{35} \mathrm{di}^{31} \mathrm{sa}^{31} \\
\text { lame person }
\end{array} \\
& \mathrm{a}^{31} \mathrm{na}^{31}+\mathrm{bux}^{31} \mathrm{dux}^{55}==>
\end{aligned} \begin{aligned}
& \mathrm{q}^{31} \mathrm{na}^{31} \mathrm{bux}^{31} \mathrm{duw}^{55} \\
& \text { deaf person }
\end{aligned}
$$

### 3.3.3. Four-syllable Elaborate Expressions

This word formation process is unique to Sino-Tibetan languages. Almost all of the languages in the Sino-Tibetan language family have this word formation process. It is more productive in some than in others. Anong is rich in four-syllable rhyming words. When the elderly tell stories, they like using a lot of such expressions to show how colorful and expressive the language can be. We can divide those words into the following types.
(1) AABB

$$
\begin{array}{ll}
\operatorname{man}^{31} \mathrm{man}^{31} \operatorname{mim}^{31} \mathrm{nim}^{31} & \begin{array}{l}
\text { bumpy; rough } \\
\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{lay}^{31} \mathrm{lan}^{31}
\end{array} \\
\mathrm{~d}^{\mathrm{h}} \mathrm{~d}^{\mathrm{u}} \mathrm{v}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{uy}^{31} \mathrm{lu}^{35} \mathrm{lu}^{35} & \begin{array}{l}
\text { collapses the shape of something } \\
\text { describes a frank and tolerant person }
\end{array}
\end{array}
$$

(2)
whisper in someone's ear in a soft voice, soft-spoken; coy, coquettish rub repeatedly with hands high and low, from top to bottom from north to south, east to west
describes the unhappy state of indeterminacy sometimes one way, sometimes another formerly, ancient times bashful, shy each look after one's self changeable; fickle; capricious

### 3.3.4. Reduplication

Although reduplication is not a productive word formation process in Anong, it occurs in a number of lexical categories, particularly with adjectives.

| Nouns: | $t 6^{\mathrm{h}} u \eta^{55} t \epsilon^{\mathrm{h}} u \eta^{55}$ <br> earthen jar | $\begin{aligned} & \mathrm{dan}^{31} \mathrm{dan}^{31} \\ & \text { hillside } \end{aligned}$ | $\mathrm{p}^{\mathrm{h}} \varepsilon^{55} \mathrm{p}^{\mathrm{h}} \varepsilon^{55}$ <br> small basket |
| :---: | :---: | :---: | :---: |
| Adjectives: | $\begin{aligned} & \mathrm{s}^{\mathrm{n}^{55} \mathrm{~s} \mathrm{q}^{55}} \\ & \text { smooth, glossy } \end{aligned}$ | $\mathrm{k}^{\mathrm{h}} a^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ <br> hard | $b a^{35} \mathrm{ba}^{35}$ thin |
| Verbs: | $\begin{aligned} & \text { nom }^{55} \text { yom }^{55} \\ & \text { nod } \end{aligned}$ | $\mathrm{ma}^{31} \mathrm{ma}^{31}$ <br> sarcastic | $\begin{aligned} & \text { dum }{ }^{55}{ }^{\mathrm{dum}}{ }^{55} \\ & \text { to steady } \end{aligned}$ |
| Adverbs: | $\begin{aligned} & \operatorname{tg}^{\mathrm{h}} \mathrm{w} \eta^{55}{ } \mathrm{c}^{\mathrm{h}} \mathrm{wi}{ }^{55} \\ & \text { in vain } \end{aligned}$ | $\mathrm{si}^{31} \mathrm{si}^{31}$ <br> really, truly | $\begin{aligned} & \text { dzu }{ }^{55} \mathrm{~d}_{7} \mathrm{u}^{31} \\ & \text { straight } \end{aligned}$ |

### 3.3.5. Imitation

This is a process through which sounds in the real world are named.
(1) Birds and Fowls

Some birds and fowls are named after their calls. Examine the examples:

| owl | $\mathrm{ka}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}$ | a crow | $\mathrm{dqa}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ | cuckoo <br> duck | $\mathrm{Pi}^{55} \mathrm{bu}^{31}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | | $\mathrm{kq}^{55} \mathrm{pu}^{31}$ |
| :--- |
| frog |
| $\mathrm{na}^{33} \mathrm{ga}^{\tilde{a}^{55}}$ |

## (2) Animal Sounds

Anong has names for the sounds some animals make. Some are named after the sound they make.

```
moo (cow) mã 35 cackle (hen) gu 'la la neigh (horse) n\tilde{a}}\mp@subsup{}{}{55
(mu 55})\textrm{dal}\mp@subsup{}{}{55}\mathrm{ to thunder di }\mp@subsup{}{}{31}\textrm{S}\mp@subsup{1}{}{55}\mp@subsup{\textrm{ST}}{}{55}\mp@subsup{\textrm{u}}{}{31}\mathrm{ the sound of
                                fluttering
bo s5 sound of
    small gun
```


## (3) Onomatopoeia

Some words are direct imitations of sounds made by animals and actions. These are often used as adverbs. Therefore, they all take the suffix ua ${ }^{33}$.

```
me 55 me 55 ua 33 sound of a sheep baaing
sua}\mp@subsup{}{}{31}\mp@subsup{\operatorname{sua}}{}{31}\mp@subsup{uqa}{}{33}\quad\mathrm{ sound of leaves falling
ko }\mp@subsup{}{}{31}\mp@subsup{log}{}{31}\mp@subsup{\textrm{ko}}{}{31}\mp@subsup{\textrm{lo}}{}{31}\mp@subsup{\textrm{ua}}{}{33
cya}\mp@subsup{}{}{55}\mp@subsup{\mathrm{ cya }}{}{55}\mp@subsup{\textrm{ua}}{}{33
sound of mud or rocks falling down the mountain
sound of wind or heavy sleeper
```


## CHAPTER FOUR

## SYNTAX

Anong is a Tibeto-Burman language, sharing many of the grammatical characteristics of Tibeto-Burman languages. For instance, its basic word order is SOV, as in most Tibeto-Burman languages, and many but not all of its grammatical structures are similar to those of Tibeto-Burman languages. Like the other Tibeto-Burman languages, it has a rich classifier system, postposed auxiliaries and grammatical particles, and so on. However, Anong also has its own unique features. It is rich in morphology with both agglutinating and fusional morphological features. Its grammatical functions are mainly indicated through morphological means, although word order and particles also play a role. Reduplication is utilized but not productive. The grammatical characteristics of Anong will be discussed in two sections of this chapter under two headings: parts of speech (or, morphological categories) and syntax.

### 4.1. Parts of Speech (Morphological categories)

Based on the their form, meaning, and function in a sentence, words in Anong can be classified as nouns, numerals, classifiers, pronouns, verbs, adjectives, adverbs, conjunctions, modals, interjections, and particles. We will briefly discuss each of these eleven categories.

### 4.1.1. Nouns

Nouns have the following grammatical characteristics:

## (1) Number

Anong has two plural markers, the suffix $z 1^{31} \eta \mathrm{um}^{31}$ and the suffix mu ${ }^{53}$. These two forms are quite similar. Both originated as classifiers and gradually grammaticalized into plural markers, which may occur after nouns. The former, $\mathrm{Z1}^{31} \mathrm{nu}^{31}$, is restricted to animate nouns while the latter, $\mathrm{mu}^{53}$, can occur with both animate and inanimate nouns. The use of these plural markers is illustrated by the examples below. For example:


These two pluralizing suffixes can occasionally be distinguished in use. $\mathrm{zl}^{31} \mathrm{\eta u}^{31}$ is generally used with animate nouns; the $\eta \mathrm{u}^{31}$ is often omitted in the flow of speech. After inanimate nouns only mu ${ }^{53}$ can be added. For example:

|  | 'tree' | S1 ${ }^{55} \mathrm{dzur}{ }^{55} \mathrm{mur}^{53}$ |  |
| :---: | :---: | :---: | :---: |
| $\mathrm{t}_{6}^{\mathrm{h}} \mathrm{im}^{31}$ | 'house' | $\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{mu}^{53}$ | 'houses' |

These plural suffixes are equivalent in meaning to the Chinese plural marker 们 men. It is necessary to make two clarifications: first, the lack of a plural suffix by no means indicates that a noun is singular; second, if there is a numeral plus classifier expression, it is not possible in most cases to also add a plural suffix.

## (2) Possessive Prefixes

Possessives are shown by prefixes attached to nouns. First person is shown by the prefix $a^{31}$, second person by $\eta u^{31}$, and third person by $\mathrm{n}^{31}$. For example:


The singular personal pronominal prefixes originated through the grammaticalization of personal pronouns, reducing them to prefixes, although the first person plural form still alternates between prefix and a personal pronoun uses. We can see the historical connections through comparing the prefixes with their full pronoun counterparts.

Table 14：Pronouns and possessive prefixes

| person | personal pronoun | possessive prefix |
| :--- | :--- | :--- |
| first | $\mathrm{ya}^{31}, \mathrm{a}^{31} \mathrm{io}^{31}$ | $\mathrm{a}^{31}$ |
| second | $\mathrm{qa}^{31}$ | $\mathrm{qui}^{31}, \mathrm{ni}^{31}$ |
| third | $\mathrm{\eta}^{31}$ | $\mathrm{n}^{31}$ |

Comparison of a number of Tibeto－Burman languages shows a close connection between possessive prefixes and pronouns．In fact，the possessive prefixes came from pronouns through phonological erosion and grammaticalization over an extended period of time．Although many words in Anong occur with the possessive prefixes，they are no longer productive grammatical markers．Thus，the possessive prefixes are the remnant of a now disappearing construction．They only occur on kinship terms and some animate nouns when they still carry the grammatical function of possession．Their grammatical function has been considerably weakened when occurring with other nouns．

The same phenomenon exists in Chinese．In certain dialects of Chinese，we have forms like the following．

| $\mathrm{a}^{55} \mathrm{ge}^{55}$ | $\bar{a} g \bar{e}$ | 阿哥 | ＇elder brother＇ |
| :---: | :---: | :---: | :---: |
| $\mathrm{a}^{55} \mathrm{jie}^{214}$ | jiějie | 姐姐 | ＇elder sister＇ |
| $\mathrm{a}^{55} \mathrm{ma}^{55}$ | māma | 妈妈 | ＇mother＇ |
| $\mathrm{a}^{55} \mathrm{die}^{55}$ | $\overline{\text { ādiē }}$ | 阿爹 | ＇father＇ |

The prefix $\mathrm{a}^{55}$－in the above forms is the cognate of the first person possessive prefix $a^{31}$ in Anong．Needless to say，no grammarian of Chi－ nese considers $\mathrm{a}^{55}$－in the above forms as synchronic prefixes marking possession．

The following examples illustrate a similar situation in the use of the possessive prefixes in Anong：the first person possessive pronomi－ nal prefix $\mathrm{a}^{31}$－of Anong continues to exist but has lost most of its meaning．

First person：

| $\mathrm{a}^{31} \mathrm{phw}^{31}$ | ＇my father＇ |
| :--- | :--- |
| $\mathrm{a}^{31} \mathrm{mul}^{31}$ | ＇my mother＇ |
| $\mathrm{a}^{31} \mathrm{ben}^{31}$ | ＇my maternal uncle＇ |

Second person:

| $\eta \omega^{31} \mathrm{phum}^{31}$ | 'your father' |
| :--- | :--- |
| $\eta \omega^{31} \mathrm{mum}^{31}$ | 'your mother' |
| $\eta \omega^{31} \mathrm{ben}^{31}$ | 'your maternal uncle' |

Third person:

| $\mathfrak{y}^{31} \mathrm{phu}^{31}$ | 'his father' |
| :--- | :--- |
| $\mathfrak{y}^{31} \mathrm{muw}^{31}$ | 'his mother' |

With kinship terms, it is even clearer that the former prefix has lost much of its possessive meaning. There kinship terms with possessive prefixes can still take personal pronouns as well as a "possessive" particle, which is shown in the examples below.

| $\mathrm{na}^{31}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | $\mathrm{a}^{31}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{ar}^{31}$ |
| :---: | :---: | :---: | :---: |
| I | POSS. | 1st.Poss. | grandfather |
| 'my paternal grandfather' |  |  |  |
| $\eta \mathrm{a}^{31}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | $\eta \mathrm{u}^{31}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{cr}^{31}$ |
| you | POSS. | 2nd.Poss. | grandfather |
| 'your paternal grandfather' |  |  |  |
| $\mathrm{n}^{31}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | $\mathrm{n}^{31}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{cr}^{31}$ |
| he | POSS. | 3rd. | grandfather |
| 'his paternal grandfather' |  |  |  |

Occasionally, the possessive prefix can occur on non-human animate nouns, such as the following.

| na $^{31}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | $\mathrm{a}^{31}$ | $\mathrm{b} \varepsilon^{55}$ <br> I <br> 'my goat' |
| :--- | :--- | :--- | :--- |
| POSS. | 1st.Poss. | goat |  |

It is clear from the above examples that when a pronoun is used attributively to indicate possession, the possessive particle $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ie}^{55}$ usually occurs with it. However, no intervening material can occur between the possessive prefix and the noun.

## (3) Diminutives

The suffix $t \epsilon^{h} \varepsilon n^{33}$ occurs on nouns to mark diminutive. Its original meaning is 'son', which has been grammaticalized into a bound suffix. It is somewhat like the Chinese ér 儿 'son' and zi 子 'child', but $\mathrm{t}^{\mathrm{h}}{ }^{\mathrm{h}} \mathrm{En}^{33}$ is much more productive. It can occur with both animate and inanimate nouns. The following are some examples.

| $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{av}^{31}$ | 'person' | $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$ | 'child' |
| :---: | :---: | :---: | :---: |
| $\mathrm{a}^{31} \mathrm{~b} \varepsilon^{55}$ | 'goat' | $\mathrm{a}^{31} \mathrm{~b} \varepsilon^{55} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$ | 'kid' |
| $\varepsilon^{31} \mathrm{hin}^{35}$ | 'wooden bowl' | $\varepsilon^{31} \operatorname{hin}^{35} \mathrm{tc}^{\mathrm{h}} \varepsilon{ }^{31}$ | 'small wooden bowl' |
| S1 $\left.{ }^{55} \mathrm{dzun}\right)^{55}$ | 'tree' | S $1^{55} \mathrm{dzumy}{ }^{55} \mathrm{tc}^{\text {h }}$ ¢ $\mathrm{n}^{31}$ | 'tree seedling' |

## (4) Gender

Anong has two gender markers: $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ and $\mathrm{mu}{ }^{31} / \mathrm{ma}^{55} \cdot \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ indicates masculine or male while $\mathrm{mu}^{31} / \mathrm{ma}^{55}$ marks feminine or female. They can occur with both animate and inanimate nouns, as is illustrated by the following examples.

Table 15: Gender markers

| Gloss | Plain noun | Masculine | Feminine |
| :---: | :---: | :---: | :---: |
| 'teacher' | $\mathrm{s}_{1}{ }^{31} \mathrm{lam}^{55} \mathrm{su}^{55}$ | $\mathrm{sl}^{31} \mathrm{lam}^{55} \mathrm{su}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ | $\mathrm{sl}^{31} \mathrm{lam}^{55} \mathrm{su}^{55} \mathrm{mu}^{31}$ |
| 'servant' | $\mathrm{dzu} \mathrm{u}^{31} \mathrm{cn}^{55}$ | $\mathrm{d} \mathrm{fu}^{31} \mathrm{cen}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ | dzu ${ }^{31}$ cen $^{55} \mathrm{mu}^{31}$ |
| 'cow' | no ${ }^{31} \mathrm{ua}{ }^{31}$ | no ${ }^{31} u^{1} \tilde{a}^{31} p^{\text {h }} u^{31}$ | no ${ }^{31} \mathrm{ua}^{31} \mathrm{mu}^{31}$ |
| 'dog' | $\mathrm{d} \varepsilon^{31} \mathrm{~g}, 17^{55}$ | $\mathrm{d} \varepsilon^{31} \mathrm{~g} \wedge^{1}{ }^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ | $\mathrm{d} \varepsilon^{31} \mathrm{~g} .^{15} \mathrm{mu}^{31}$ |
| 'stone' | lun ${ }^{55}$ | lun ${ }^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ | luy ${ }^{55} \mathrm{mu}^{31}$ |
| 'pepper tree' | dzi ${ }^{53} \mathrm{dzum}{ }^{55}$ | dzi ${ }^{53} \mathrm{dzum}{ }^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ | dzi ${ }^{53} \mathrm{dzumy}{ }^{55} \mathrm{mu}{ }^{31}$ |

Adding these markers on nouns to indicate gender is not the grammatical category gender in its strict sense, but it is not a compounding process either, because neither of the markers can occur alone to mean 'male' or 'female'. The markers can occur on any noun that refers to entities that can be divided into masculine and feminine genders. We wonder if they are remnants of an earlier gender marking system in Anong.

### 4.1.2. Numerals

Numerals in Anong can be divided into cardinal numbers, ordinal numbers, compound numbers, approximative numbers, and so on. Numerals usually cannot occur alone. They co-occur with classifiers following them. In this respect, Anong is similar to Trung but different from Jingpo. In this section, we will discuss the formation and characteristics of numerals.

## (1) Cardinal Numbers

In Anong, the numbers one through nine are simple numbers and the rest are compound numbers. One through nine are as follows.

| $t^{\text {h }} \mathrm{i}^{55}$ | 'one' | kun ${ }^{55}$ | 'six' |
| :---: | :---: | :---: | :---: |
| $\mathrm{a}^{31} \mathrm{n}_{\mathrm{i}}{ }^{55}$ | 'two' | $\mathrm{Sq}_{1}{ }^{35}$ | 'seven' |
| $\mathrm{a}^{31}$ som $^{53}$ | 'three' | $¢ \varepsilon \varepsilon^{55}$ | 'eight' |
| b.is ${ }^{53}$ | 'four' | $\mathrm{dum}{ }^{31} \mathrm{gux}^{31}$ | 'nine' |
| $\mathrm{p}^{\mathrm{h}} \mathrm{al}^{31}$ | 'five' |  |  |

The form $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$ 'one' occurs with two different tones $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$ and $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$. When it occurs with a classifier, it often carries the mid-low tone $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$. This tonal variation reflects not only tone sandhi but subtle changes in meaning as well. Its semantic content is somewhat weakened when it carries the mid-low tone.

Most of the cardinal numbers in Anong were once prefixed. Historically, the prefixes themselves developed out of the initials of earlier consonant clusters. Thus, the current forms are a result of sound changes over a long period of time. What is noteworthy is the fact that the forms for 'five', 'six', 'seven' and 'eight' all used to have prefixes. However, they became monosyllabic due to sound change, but close examination of those forms reveal that they still carry remnants of the earlier prefixes. This is especially clear in the cases of 'five' and 'seven'. When we compare them with their cognates in Trung, we can see the sound changes they underwent.

Table 16: Numbers and prefixes

| gloss | Anong | Trung dialect | Trung-Nujiang dialect |
| :---: | :---: | :---: | :---: |
| 'five' | $\mathrm{p}^{\mathrm{h}} \mathrm{al}^{31}$ | $\mathrm{pu}^{31} \mathrm{na}^{53}$ | $\mathrm{pu}^{31} \mathrm{na}^{53}$ |
| 'six' | kuy ${ }^{55}$ | d.ıŭ ${ }^{55}$ | $\mathrm{k}^{\text {b }}$ Jư1 ${ }^{55}$ |
| 'seven' | Sp $\mathrm{n}^{35}$ | $\mathrm{su}^{31} \mathrm{nhit}^{55}$ | $\mathrm{suc}^{31} \mathrm{nhit}^{55}$ |
| 'eight' | $¢ \varepsilon \sum^{55}$ | $\varphi c_{\text {a }}{ }^{55}$ | çă ${ }^{55}$ |

The examples above clearly show that the velar nasal consonant in the coda position in phan ${ }^{31}$ 'five' in Anong came from ya through the loss of the vowel a. Similarly, the final consonant in sqn, ${ }^{35}$ 'seven' in Anong resulted from the loss of the vowel and coda consonant in nint ${ }^{55}$ and then became attached to the end of the preceding syllable. This means that both forms, i.e. phan ${ }^{31}$ 'five' and $\mathrm{s} 1 \mathrm{n}^{35}$ 'seven' used to be bisyllabic. As for kuy ${ }^{55}$ 'six' and $\varphi \varepsilon \varepsilon_{0}^{55}$ 'eight', both forms used to have stops in their codas. However, almost all of the stops in codas have been lost in Anong, in many cases leaving a residual glottal stop. The final nasals in the forms for 'six' and 'eight' in Anong come from earlier stops with corresponding places of articulation.
(2) Compound Numbers

The numbers from ten or higher are all compound numbers. The number ten must occur with the number one preceding it $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$ 'ten'. Eleven through nineteen consist of $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$ 'ten' followed by a cardinal number.

| $t^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{33}$ | 'eleven' |
| :---: | :---: |
| $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{ni}^{\text {i }}{ }^{33}$ | 'twelve' |
| $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{53} \mathrm{ts}^{\text {ha }} \mathrm{i}^{55}$ som $^{31}$ | 'thirteen' |
| $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{~b} .11^{53}$ | 'fourteen' |
| $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{al}^{31}$ | 'fifteen' |
| $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\text {h }} \mathrm{a}^{55}{ }^{\text {c }}$ kuy ${ }^{55}$ | 'sixteen' |
| $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{~s}^{1} \mathrm{n}^{35}$ | 'seventeen' |
| $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55}{ }^{\text {c }}$ cen ${ }^{55}$ | 'eighteen' |
| $\mathrm{t}^{\mathrm{h}}{ }^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{dum}^{31} \mathrm{gu}^{31}$ | 'nineteen' |

It should be pointed out that a sound change took place when the form $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$ 'ten' is combined with a cardinal number to form the compound numbers above, namely, the vowel in ts ${ }^{\mathrm{h}} \mathrm{a}^{55}$ changed from a simple vowel to a diphthong $\mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55}$. It is highly likely that the second element in the diphthong came from the conjunction $\mathrm{si}^{55}$ through sound change, because most Tibeto-Burman languages utilize this conjunction to form compound numbers. For now, we will call the second element in this diphthong the conjunctive morpheme.

The numbers twenty through ninety are formed in the following manner.

| $\mathrm{a}^{31} \mathrm{ni}_{1}{ }^{55} \mathrm{ts}^{\text {h }} \mathrm{a}^{55}$ | 'twenty' |
| :---: | :---: |
| $\mathrm{a}^{31}$ som $^{31} \mathrm{ts}^{\text {h }} \mathrm{a}^{55}$ | 'thirty' |
| $\mathrm{a}^{31} \mathrm{~b} \cdot 1^{31} \mathrm{ts}^{\text {h }}{ }^{55}$ | 'forty' |
| $\mathrm{p}^{\mathrm{h}} \mathrm{ay}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$ | 'fifty' |
| kun ${ }^{55} \mathrm{st}^{\text {b }} \mathrm{a}^{55}$ | 'sixty' |
| $\mathrm{sqn}^{35} \mathrm{ts}^{\text {h }}{ }^{55}$ | 'seventy' |
| $\varphi \varepsilon^{55}{ }^{55} \mathrm{~s}^{\text {h }} \mathrm{a}^{55}$ | 'eighty' |
| $\mathrm{dum}{ }^{31} \mathrm{gur}^{31} \mathrm{ts}^{\mathrm{h}}{ }^{55}$ | 'ninety' |

The formation of numbers over a hundred is the same as the process for formulating the number ten. For instance, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ca}^{33}$ 'hundred', $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ja}^{55} /$ $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{tu}^{31}$ 'thousand', $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{mu}^{31}$ 'ten thousand'.

The conjunctive morpheme $\mathrm{i}^{31}$ is used between numbers in a number with multiple places. The following are a few examples.
$a^{31}$ som $^{31}{ }^{6} a^{55} \mathrm{i}^{31}$ kun $^{55}$ tsai $^{55}$ kuy $^{55}$
three hundred conj six ten six
'three hundred and sixty-six'
$\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \quad \mathrm{ja}^{55} \quad \mathrm{i}^{31} \quad \mathrm{p}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{cq}^{55} \quad \mathrm{i}^{31} \quad \mathrm{kuy}^{55} \quad \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} \quad \mathrm{a}^{31} \mathrm{ni}^{55}$
one thousand CONJ five hundred CONJ six ten two 'one thousand five hundred and sixty-two'

The conjunctive morpheme usually occurs at places in a number from ten through twenty. It is optional for numbers from twenty through ninety-nine. And it is compulsory for numbers from one hundred and higher. In addition, when occurring in numbers ten through nineteen, it is pronounced closely blended together with the vowel preceding it. Therefore, we treated it as the second element of a diphthong. However, when it occurs in other cases, such blending does not occur, so we treat it as an independent syllable.
(3) Approximative Numbers

Anong has a number of different ways to express approximation and estimation.

1) Using two successive numbers with the approximative particle dan ${ }^{31}$.

| $\mathrm{p}^{\mathrm{h}} \mathrm{an}^{31}-\mathrm{io} 1^{55}$ | $\mathrm{kuy}^{55}-\mathrm{io} 1^{55}$ | $\mathrm{da} \mathrm{\eta} \eta^{31}$ |
| :--- | :--- | :--- |
| five-CLF | six-CLF | APPR |
| 'about five or six (people) |  |  |

```
\(\mathrm{a}^{31} \mathrm{n}_{\mathrm{o}} \mathrm{i}^{55} \quad\) ts \(^{\mathrm{h}} \mathrm{a}^{55} \quad \mathrm{a}^{31}\) som \(^{31} \quad\) ts \(^{\mathrm{h}} \mathrm{a}^{55} \quad \mathrm{io}^{55} \quad \mathrm{dan}{ }^{31}\)
two ten three ten ClF APPR
'about twenty to thirty (people)'
```


one ten three CLF four CLF APPR
'about thirteen to fourteen (people)'
2) The approximative particle dan ${ }^{55}$ 'several' can be used with a classifier or numbers such as ten, hundred, ten thousand, etc., to express estimation/approximation.

| day ${ }^{55}$ io ${ }^{55}$ | day ${ }^{55} \mathrm{dzun}{ }^{55}$ | dan ${ }^{55} \mathrm{lun}{ }^{55}$ |
| :---: | :---: | :---: |
| APPR CLF (people) | appr Clf (trees) | APPR Clf (rocks) |
| 'several people' | 'several trees | 'several rocks' |

The approximate particle dan ${ }^{55}$ can also be used with numbers.
$d a)^{55} t s^{h} \mathrm{a}^{55}$
$d a)^{55}{ }^{6} a^{55}$
appr ten APPR hundred
$\mathrm{dan}^{55} \mathrm{mu}^{31}$
'several dozen’
'several hundreds'
APPR ten thousand
'several ten thousands'
dan ${ }^{55}$ can also be used in connection with a set compound number followed by the approximative particle. The construction indicates the number is approximate.

we village DEF girl PL two ten five age APPR
$\mathrm{t}^{\mathrm{h}} \mathrm{a}^{35} \quad \mathrm{a}^{31} \mathrm{vu}^{35} \mathrm{a}^{31} \mathrm{Ci}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \quad \mathrm{n} \varepsilon^{33}$.
CONJ marry PRT
'Women in our village get married around the age of 25.'

he seven age APPR CONJ book read DIM PRT
'He went to school at about the age of seven.'
It should be noted that there are two versions of the approximative particle dan, one with a mid-low tone and the other a high-high tone. The question is are they two different morphemes or are they allomorphs of the same morpheme? We consider them as allomorphs of the same morpheme with a similar grammatical function, although one is a bit
more concrete than the other. Specifically, the one with the mid-low tone is less concrete while the one with the high tone is more concrete. Grammatically, they are very similar though not identical. This may be a case of a functional morpheme changing to a content morpheme due to the influence of the phonetic environment. This surmise is based on the fact that suffixal morphemes in Anong usually carry the mid-low tone. They only change to a different tone when influenced by their phonetic environment in the flow of speech. Also, the use of morphemes with the concrete meanings 'several' and 'about' being used as grammatical markers is a relatively recent phenomenon.

## (4) Place Numbers

Place numbers such as the ten's place, the hundred's place, etc., may occur with the prefix $\mathrm{y}^{31}$ to convey the meaning 'several'.

| $\mathrm{y}^{31} \mathrm{ts}^{\mathrm{h} \mathrm{a}^{55}}$ | $\mathrm{y}^{31} \mathrm{ca}^{55}$ | $\mathfrak{y}^{31} \mathrm{tu}^{31}$ | $\mathrm{y}^{31} \mathrm{mu}^{31}$ |
| :--- | :--- | :--- | :--- |
| PRF ten | PRF hundred | PRF thousand | PRF ten thousand |
| 'several tens' | 'several hundreds' | 'several ten thousands' | 'several thousand' |

Some of the place number plus the prefix $\eta^{31}$ combinations can be used to form compound expressions, such as the following. In this case the smaller number comes first.
$\mathfrak{y}^{31} \mathrm{tu}^{31} \mathrm{n}^{31} \mathrm{mu}^{31}$
PRF thousand PRF ten.thousand 'thousands upon ten thousands'
$\mathfrak{y}^{31} \mathrm{ca}^{55} \mathrm{n}^{31} \mathrm{tu}^{31}$
PRF hundred PRF thousand 'hundreds upon thousands'

Numbers can also be followed by $\mathrm{ka}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{av}{ }^{55}$ to indicate 'in excess of' or 'more than'.


```
one-ten more.than CLF (people)
'more than ten (people)'
```

```
t thi }\mp@subsup{}{}{31}\quad¢\mp@subsup{a}{}{55}\quad\mp@subsup{kaq}{}{31}\mp@subsup{t}{}{h
one hundred more.than clf (people)
'more than a hundred (people)'
```



```
three ten more.than clf (people)
'more than thirty (people)'
```

$\mathrm{ka}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55}$ usually occurs between the number and classifier, but it can also occur after the classifier, which is illustrated by the examples below.
$P_{0}^{55} \mathrm{is}^{31} \mathrm{du}^{31} \eta \mathrm{nu}^{31} \mathrm{a}^{31} \mathrm{ni}^{55} \mathrm{ca}^{55} \quad \mathrm{gam}^{55} \quad \mathrm{da}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{a}^{31} \mathrm{n}^{55}$. pig this CLF Def two hundred catty more.than have 'This pig is about two hundred catties ( $=$ around $1 / 2$ kilogram).'
 proper.name village DEF seven ten household more.than have-IND 'Mùgǔjiă Village has about 70 or so households.'

## (5) Fractions

Fractions are expressed by using the locative particle don ${ }^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ between the two numbers.

```
som }\mp@subsup{}{}{53}-\mp@subsup{t}{}{h}\mp@subsup{|}{}{55}\quad\mathrm{ dun }\mp@subsup{}{}{31}\mp@subsup{k}{}{h}\mp@subsup{q}{}{31}\quad\mp@subsup{t}{}{h}\mp@subsup{i}{}{31}-\mp@subsup{t}{}{h}\mp@subsup{u}{}{55
three-prt LoC one-PRT
'one third'
```



```
five-prt LOC two-PRT
'two-fifths'
```


## (6) Multiples

Multiples are expressed through using the suffix $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$.

| $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ | $\mathrm{p}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ca}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ |
| :--- | :--- | :--- |
| one times | five times |  |
| 'twice' | 'five times' | one hundred times |
|  |  | 'one hundred times' |

The expression $\mathrm{fu}^{55}$ borrowed from Lisu can be used in place of the suffix $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$. In fact, the Lisu form has a higher frequency of occurrence.

| $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{fu}^{55}$ | $\mathrm{p}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{fu}^{55}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ca}^{55} \mathrm{fu}^{55}$ |
| :--- | :--- | :--- |
| one suf | five suF | one hundred suF |
| 'two times, twice' | 'five times' | 'one hundred times' |

(7) Ordinal Numbers
$\mathrm{ku}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{a} \mathrm{\eta}{ }^{55}$ or $\mathrm{Pi}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55}$ is used before a cardinal number to form an ordinal number.

| $\mathrm{kur}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{qd}^{55} \mathrm{t}^{\text {hi }}{ }^{55}$ | or | $2 i^{55} p^{h} a \eta^{55} t^{h} i^{55}$ | 'first' |
| :---: | :---: | :---: | :---: |
| $\mathrm{kur}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{a}^{31}$ som $^{53}$ | or | Pi ${ }^{55} p^{\text {h }}$ an $)^{55} \mathrm{a}^{31}$ som $^{53}$ | 'third' |
| $\mathrm{ku}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{qn}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ts}^{\text {h }} \mathrm{a}^{55}$ | or |  | 'tenth' |
| $k u^{31} \mathrm{p}^{\mathrm{h}} \mathrm{qn}^{55} \mathrm{t}^{\text {h }}{ }^{31} \mathrm{ca}^{55}$ | or | $2 i^{55} p^{\text {h }}$ a ${ }^{55} \mathrm{t}^{\text {h }}{ }^{31} \mathrm{ca}^{55}$ | 'hundredth' |

Anong has a calendar system similar to the Chinese lunar system. However, the word $\mathrm{s}_{1}^{31} \mathrm{la}^{55}$ 'moon/month' must occur before the number.
$s_{1}{ }^{31} l^{55} \quad \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \quad \mathrm{ni}^{33}$
month one day
'first day of the month'
$\mathrm{sl}^{31} \mathrm{la}^{55} \quad \mathrm{a}^{31} \mathrm{som}^{53} \quad \mathrm{ni}^{33}{ }^{33}$
month three day
'third day of the month'
$\mathrm{sl}^{31} \mathrm{ld}^{55} \quad \quad \quad \mathrm{cn}^{55} \quad \mathrm{ni}^{33}{ }^{33}$
month eight day
'eighth day of the month'
$\mathrm{s}_{1}{ }^{31} \mathrm{la}^{55} \quad \mathrm{t}^{\mathrm{h}} \mathrm{i}^{51} \quad \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} \quad \mathrm{p}^{\mathrm{h}} \mathrm{an}^{53} \quad \mathrm{ni}^{33}{ }^{33}$
month one ten five day
'fifteenth day of the month'

Anong has also lexicalized the practice of putting their children in the order according to age for both males and females. ${ }^{1}$ Up to ten such terms are in use, five of which are given below. The reason for omitting the other five expressions is that due to the effect of the government's family planning policy, there is no longer a consistently accepted set of expressions for referring to the next five children in Anong since they are very rarely used.

[^13]Table 17: Terms for birth order

| Birth order | Male | Female |
| :--- | :--- | :--- |
| first | $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{uy}^{55}$ | $\mathrm{a}^{31} \mathrm{\eta qq}^{55}$ |
| second | $\mathrm{a}^{31} \mathrm{dux}^{55}$ | $\mathrm{a}^{31} \mathrm{ni}^{33}$ |
| third | $\mathrm{a}^{55} \mathrm{k}^{\mathrm{h} i m^{33}}$ | $\mathrm{a}^{55} \mathrm{tg}^{\mathrm{h}} \mathrm{aq}^{33}$ |
| fourth | $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{n}^{55}$ | $\mathrm{a}^{55} \mathrm{du}^{31}$ |
| fifth | $\mathrm{a}^{55} \mathrm{gun}^{31}$ | $\mathrm{a}^{55} \mathrm{ku}^{31}$ |

### 4.1.3. Classifiers and Measure Words

Although Anong belongs to the Jingpo subgroup of the Tibeto-Burman language family, it has a rich classifier system. In this respect, Anong is very similar to Trung in terms of the number of classifiers, their grammatical functions and characteristics. And, just like Trung, its classifier system is typologically more similar to languages in the Qiang, Burmese, and Yi branches, and more different from languages in the Jingpo branch. ${ }^{2}$

Classifiers in Anong can be divided into nominal classifiers and verbal classifiers. Classifiers can not occur alone. They must occur with numerals or some other part of speech as constituents of a sentence. Their characteristics and uses are briefly discussed below.

## (1) Noun Classifiers

Noun classifiers can be categorized in many ways, depending on usage and characteristics. The following are commonly used classifications.

1) Classifiers indicating the shape of objects:

| $\operatorname{lon}^{55}$ | round, hard objects |
| :--- | :--- |
| $\operatorname{lan}^{31}$ | objects that come in flexible sheets |
| $\mathrm{t}^{\text {h }} \mathrm{am}^{55}$ | objects that come in thin rigid layers |
| buy $^{55}$ | rope-like flexible objects |
| $\mathrm{k}^{\text {h }} \mathrm{o}^{55}$ | rope-like rigid objects |
| $\mathrm{p}^{\mathrm{h}} \mathrm{um}^{55}$ | round, soft objects |

[^14]2) Measure words

| $1 \mathrm{ma}^{33}$ | arms spread, i.e. the length from finger tip to finger tip with arms spread |
| :---: | :---: |
| $b u^{31} t^{h} \mathrm{a}^{55}$ | the length between the thumb and middle finger |
| $m \mathrm{mu}^{33} \mathrm{kr} 1^{33}$ | the length between the thumb and the index finger |
| lun ${ }^{55}$ | one tenth of a catty (one catty equals half a kilogram) |
| dury ${ }^{55}$ | a unit of dry measure (equals one decaliter) |
| $\mathrm{gam}^{55}$ | catty |
| $\mathrm{p}^{\mathrm{h}} \varepsilon \mathrm{n}^{55}$ | liter |
| ¢ ¢ı, $^{55}$ | a unit of length (equals one third of a centimeter) |

3) Temporal measure words

| numb ${ }^{55}$ | 'year/age' |
| :---: | :---: |
| $\mathrm{ni}^{33}$ | 'day' |
| say ${ }^{55}$ | 'morning' |
| $\left.\mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}\right)^{55}$ | 'generation' |
| iaf ${ }^{55}$ | 'night' |

4) Classifiers for abstract matters

| $\mathrm{tss}^{\mathrm{h}} 1^{31}$ | kind (of things/goods) |
| :--- | :--- |
| ian $\eta^{31}$ | item (of matter) |
| $\eta \mathrm{Uu}^{31}$ | unit |
| $\mathrm{t}^{\mathrm{h}} 1^{31} . \mathrm{Id}^{31}$ | item (of problem) |
| bam $^{55}$ | type/item (of unspecific objects) |

5) Classifiers for collective nouns

| $\mathrm{z1}^{31}$ | flock |
| :--- | :--- |
| $\mathrm{za}^{55}$ | nest |
| $\mathrm{k}^{\mathrm{h}} \mathrm{an}^{35}$ | grove |
| $\mathrm{m}^{31} \operatorname{cin}^{55}$ | bouquet |
| $\mathrm{dzui}^{55}$ | pair |
| $\mathrm{ba}^{31} \mathrm{mur}^{53}$ | some |

6) Nouns or verbs as classifiers

Nouns:

| $\mathrm{xa}^{55}$ | basket |
| :--- | :--- |
| $\mathrm{t}^{\mathrm{h}} \mathrm{am}^{55}$ | book |


| $\mathrm{di}^{31} \mathrm{k}^{\mathrm{tr}}{ }^{3}$ |  |
| :--- | :--- |
| $\mathrm{tq}^{\mathrm{h}} \varepsilon \mathrm{m}^{55}$ | bowl |
|  | petal |

Verbs:

| $\mathrm{mu}^{31} \mathrm{ban}^{33}$ | bundle |
| :--- | :--- |
| $\mathrm{m}^{31} \operatorname{guan}^{53}$ | hold (with both hands cupped together) |
| don $^{55}$ | roll |
| bum |  |
| $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{35} \lim ^{55}$ | pile |
| $\mathrm{ca}^{31}$ | bunch |
|  | carry on back (so a backload of) |

7) Classifiers borrowed from Chinese and Lisu

From Chinese:

| $\mathrm{xo}^{31}$ | box |
| :---: | :---: |
| $\mathrm{p}^{\mathrm{h}} \mathrm{in}^{31}$ | bottle |
| ts $^{\text {h }} \mathrm{u} \tilde{\varepsilon}^{55}$ | cun (= one third of a decimeter) |
| $f a{ }^{55}$ | a square or cubic meter |
| $\mathrm{t}^{\mathrm{h}} \mathrm{un}^{33}$ | bucket |
| From Lisu: |  |
| $\mathrm{ka}^{35}$ | box |
| dza ${ }^{55}$ | chi (= one third of a meter) |
| $\mathrm{ti}^{55}$ | unit if dry measure (= one decaliter) |
| tci ${ }^{35}$ | pack (as in a load carried by a pack animal) |

Some of the classifiers in Anong have a very high frequency of occurrence, such as $10^{55} / \mathrm{io}{ }^{55}$ for people (e.g. person, professor, military officer), dzui ${ }^{55}$ for plants (e.g. tree, bamboo, seedling), du ${ }^{31}$ for animals and insects (e.g. horse, fish, chicken, insect, snake), dzui ${ }^{55}$ for things that come in pairs (e.g. earrings, shoes, bracelets), and $t^{h} u^{55}$ for relatively abstract matters (e.g. matter, country, case/incidence, sort/kind, slice (of kind heart)). These characteristics show that the functions of classifiers in Anong are expanding. In addition to being used to indicate quantity, they show signs of taking on functions of classification. The following examples illustrate that classifiers in Anong begin to be used as demonstratives in addition to their functions of measure and classification.
$\mathrm{su}^{55} \mathrm{u}^{31}$ io $^{55} \mathrm{mi}^{53} \mathrm{di}^{51} \mathrm{zuu}^{55} \mathrm{u}^{31}$ io $^{55} \mathrm{num}^{31} \mathrm{ba}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{dam}^{55} \mathrm{dzu}^{35} \mathrm{ni}^{55} \mathrm{uq}^{31} \mathrm{dza}^{33}$ fat clf caus skinny clf def do one clf beat with.fist asp 'The fat person beat up the skinny person with his fist.'

The literal meaning of the above sentence is 'The fat one beat up the skinny one.' The demonstrative, that is, the indexical, use of the person classifier is quite obvious. Also, in Anong, there are a number of expressions for the meaning 'beat' depending on the instrument or method used. In this case, the expression dzu ${ }^{35} \mathrm{ni}_{\mathrm{i}}{ }^{55}$ means 'to beat with fist'.

Noun classifiers also display the following three characteristics.

1) Reduplication

Either reduplicating the classifier alone or together with the numeral one to mean one by one. The following are some examples.

| $t^{\text {h }} \mathrm{i}^{55}$ | iop ${ }^{55}$ | io ${ }^{55}$ | one by one/one at a time |
| :---: | :---: | :---: | :---: |
| $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$ | dzuy ${ }^{55}$ | dzun ${ }^{55}$ | plant by plant/one plant at a time |
| $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$ | $\mathrm{ni}^{33}$ | ni $\mathrm{i}^{33}$ | day by day/one day at a time |
| $\mathrm{t}^{\mathrm{h}} \mathrm{F}^{55}$ | bum ${ }^{55}$ | bum ${ }^{55}$ | pile by pile/one pile at a time |
| $\mathrm{t}^{\text {h }}{ }^{55} \mathrm{n}^{\text {a }}{ }^{31}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{n} \mathrm{a}^{31}$ |  | item by item/one item at a time |
| $t^{\text {h }} \mathrm{i}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{F}^{5} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ |  | utterance by utterance/one utterance at a time |
| $\mathrm{t}^{\mathrm{h}}{ }^{55} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55}$ | $t^{\text {h }} i^{55} \mathrm{p}^{\text {h }} \mathrm{an}^{55}$ |  | piece by piece/one piece at a time |
| $t^{\text {h }} \mathrm{i}^{5 \mathrm{~S}} \mathrm{dur}^{55}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{dun}^{55}$ |  | bucket by bucket/one bucket at a time |

Both types of reduplication have the same grammatical function. When these constructions occur in a sentence as adverbials, they must be marked by $\mathrm{uq}^{33}, \mathrm{li}^{55}$, or $\$ 1^{31}$.

| $\mathrm{S1}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{n}, \mathrm{i}^{33} \mathrm{n} \mathrm{i}^{33}$ | $\mathrm{li}^{55}$ | $\mathrm{a}^{31} \mathrm{ba}^{35}$ |
| :--- | :--- | :--- | :--- |
| time | one day day |  |  |
| 'Time goes by day by day.' | aDV | go |  |


| $\eta a^{55}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ | $\mathrm{ua}^{33}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{im}^{35}$ |
| :--- | :--- | :--- | :--- | :--- |
| you | one $u t t e r a n c e$ | one utterance | adv | say |
| 'You speak utterance by utterance.' |  |  |  |  |

2) The prefix $k^{h} \mathrm{a}^{31}$ - and the suffix $-n w^{31} g w^{55}$ are used with a classifier to convey the meaning 'each/every'.

| $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}{ }^{-} \quad$ io? ${ }^{55}$ | $-\mathrm{num}{ }^{31} \mathrm{gux}^{55}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ - dzum ${ }^{55}$ | $-\mathrm{nux}^{31} \mathrm{gur}^{55}$ |
| :---: | :---: | :---: | :---: |
| PRF CLF | SUF | PRF CLF | SUF |
| 'each person' |  | 'each plant' |  |
| $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}-\quad \mathrm{i} \mathrm{an}^{55}$ | $-\mathrm{nu}{ }^{31} \mathrm{gus}^{55}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}-\quad \mathrm{lug}{ }^{55}$ | $-\mathrm{num}^{31} \mathrm{gur}^{55}$ |
| PRF CLF | SUF | PRF CLF | SUF |
| 'each evening' |  | 'each piece' |  |

3) Auto-classification: a noun or a part of a noun can be used as classifiers for the object it refers to.

Full nouns as classifiers:

| $\begin{aligned} & \mathrm{p}^{\mathrm{h}} \mathrm{an}^{33} \\ & \text { leg } \\ & \text { 'a leg' } \end{aligned}$ | $\begin{aligned} & \mathrm{t}^{\mathrm{h} \mathrm{i}^{55}} \\ & \text { one } \end{aligned}$ | $\begin{aligned} & \mathrm{p}^{\mathrm{h}} \mathrm{an}^{33} \\ & \text { leg } \end{aligned}$ | $\operatorname{c\varepsilon m}^{55}$ $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$ <br> leaf one <br> 'a leaf  | $\begin{aligned} & {\varsigma \varepsilon m^{55}}_{\text {leaf }} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| lun ${ }^{55}$ <br> stone <br> 'a stone' | $\begin{aligned} & \mathrm{t}^{\mathrm{h} \mathrm{i}^{55}} \\ & \text { one } \end{aligned}$ | $\begin{aligned} & \text { luy }{ }^{55} \\ & \text { stone } \end{aligned}$ | $\begin{aligned} & \mathrm{tt}^{\mathrm{h}} \mathrm{im}^{31} \quad \mathrm{t}^{\mathrm{h} \mathrm{i}^{55}} \\ & \text { house one } \\ & \text { 'a house' } \end{aligned}$ | $\mathrm{tg}^{\mathrm{h}} \mathrm{im}^{31}$ house |
| dzu ${ }^{53}$ <br> village <br> 'a village' | $\begin{aligned} & \mathrm{t}^{\mathrm{h} \mathrm{i}^{55}} \\ & \text { one } \end{aligned}$ | $\begin{aligned} & \text { dzu }^{53} \\ & \text { village } \end{aligned}$ | $k^{h} a^{55} \quad t^{h} i^{55}$ utterance 'an utterance' | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ <br> one utterance |

Partial nouns as classifiers:

| $\begin{aligned} & \mathrm{ni}_{\mathrm{i}}{ }^{55} \mathrm{lu}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \\ & \text { eye } \\ & \text { 'an eye' } \end{aligned}$ | $\begin{aligned} & \operatorname{lun}^{55} \\ & \text { eye } \end{aligned}$ | $\epsilon \mathrm{wn}^{55} \mathrm{ven}^{55}$ <br> flower <br> 'a flower' | $\begin{aligned} & \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \\ & \text { one } \end{aligned}$ | $\mathrm{ven}^{55}$ flowe |
| :---: | :---: | :---: | :---: | :---: |
| $\left.\mathrm{S}^{55} \mathrm{dzun}\right)^{55}$ <br> tree <br> 'a tree' | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{dzu}{ }^{55}$ <br> one tree | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \lim ^{31}$ <br> road <br> 'a road' | $\begin{aligned} & \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \\ & \text { one } \end{aligned}$ | $\begin{aligned} & \lim ^{31} \\ & \text { road } \end{aligned}$ |

(2) Verb Classifiers

Anong has a small number of verb classifiers. However, they have a high frequency of occurrence with significant grammatical functions. They occur before verbs of activity or action to quantify the activity or action. They are dzan ${ }^{31}$, $\mathrm{dam}^{55}, \mathrm{so}^{31}$, and $\mathrm{mo}^{33}$.


### 4.1.4. Pronouns

Anong has personal pronouns, demonstrative pronouns, interrogative pronouns, reflexive pronouns, and indefinite pronouns. The following is a brief discussion of their formation and functions.
(1) Personal Pronouns

Table 18: Personal pronouns


Anong has first, second, and third person pronouns which come in singular, dual and plural forms. First person dual and plural also have inclusive and exclusive distinctions. The first and second person pronouns are Tibeto-Burman, and, ultimately, Sino-Tibetan, in origin.
It should be noted that the first person singular pronoun has two forms. The $\mathrm{ya}^{31}$ form originates in Sino-Tibetan. The other form is made up of the phonologically reduced first person singular pronoun $\eta \mathrm{a}^{31}$ and the person classifier io ${ }^{31}$. The former contrasts with the first person dual and plural inclusive whereas the latter contrasts with the first person dual and plural exclusive. The difference between the plural and dual forms of the pronouns is the marker $\mathrm{si}^{31}$ on all of the dual pronouns.

## (2) Demonstrative Pronouns

Anong has two sets of demonstrative pronouns: proximal and distal. The proximal set has only one form, $\mathrm{ia}^{55}$ 'this (here)', which has two variants $i \varepsilon^{55}$ and $i \varepsilon^{31}$. The distal set has four forms to distinguish-high, level, and low positions of the object with respect to a mountain, river, or flat land. The form $\mathrm{na}^{55}$ 'that (up there)' is used to refer to an object located high up in the mountain, in the upper reaches of a river, or on the mountain side (as opposed to the water side). The form $\mathrm{ii}^{55}$ 'that (down there)' is used to refer to an object located down a mountain, in the lower reaches of a river, or on the water side (as opposed to the mountain side). To refer to objects on flat land, Anong has two different forms, namely, $\mathrm{Po}^{55}$ 'that (over there)' and $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{55}$ 'that (yonder)'. Demonstrative pronouns have to occur with classifiers as constituents of a sentence. Usually, they cannot occur alone. The following are some examples.

| $\mathrm{ia}^{55}$ | $\mathrm{bam}^{31}$ | $\mathrm{nuw}^{31} \mathrm{a}^{55}$ | $\mathrm{a}^{31} \mathrm{io}^{31}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | $\mathrm{ie}^{55}$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| this | CLF | DEF | I | POSS | be |

'This one here is mine.'
$\mathrm{Po}^{55} \quad \mathrm{bam}^{31} \quad \mathrm{nu}^{31}$
that CLF DEF
'That one over there is yours.'

| $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{55}$ | $\mathrm{bam}^{31}$ | $\mathrm{nuw}^{31} \mathrm{a}^{55}$ | $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | $\mathrm{ie}^{55}$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| that | CLF | DEF | father | POSS | be |

'That one yonder is father's.'

| Pi ${ }^{55}$ | bam ${ }^{31}$ | $n u^{31} \mathrm{a}^{55}$ | $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{q}^{31}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | $i e^{55}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| that | CLF | DEF | grandpa | poss | be |
| 'That one down there is grandpa's.' |  |  |  |  |  |
| $n \mathrm{na}^{55}$ | bam ${ }^{31}$ | $n u^{31} \mathrm{a}^{55}$ | $\mathrm{a}^{31}$ ben $^{31}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | ie |
| that | CLF | DEF | uncle | poss | be |

'That one up there is uncle's (on mother's side).'
(3) Interrogative Pronouns

All of the interrogative pronouns are made up of the interrogative morpheme $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ or $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ plus a pronominal morpheme.

The interrogative pronoun for people is $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ io $?^{55}$ 'who', which is made up of the interrogative morpheme $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ and the classifier for
person io ${ }^{55}$. Literally, it means 'which one', but because the classifier is the classifier for people, it implies 'which person'.

```
\(\eta \mathrm{a}^{31} \quad \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{io}^{55}{ }^{5} \mathrm{nu}^{31}-\quad \mathrm{i} \varepsilon^{33}\)
you who 2sG be
'Who are you?'
```

When $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ io $\mathrm{P}^{55}$ is used with the adverb gur ${ }^{31}$ 'also', the combination is no longer an interrogative pronoun. It becomes an indefinite pronoun.


```
I who do also NEG look.for
```

'I am not looking for anybody.'

The interrogative pronoun plus classifier can be reduplicated to indicate plurality.

```
\(k^{\mathrm{h}} \mathrm{a}^{31} \mathrm{io}^{55}\)
Q CLF (person)
'which one (i.e. who)'
```

$k^{\mathrm{h}} \mathrm{a}^{31}{ }^{10} 1^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ io $^{55}$
Q ClF Q ClF (person)
'which ones (i.e. which persons)'

The interrogative pronoun for things is $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ts}{ }^{\mathrm{h}} 1^{31}$ 'what'. It is made up of the interrogative morpheme $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ and the classifier for relatively abstract things $\mathrm{ts}^{\mathrm{h}} 1^{31}$.

```
\(\eta \mathrm{a}^{31} \quad \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31} \quad \eta \mathrm{Ul}^{31} \quad \operatorname{con}^{31}\) ?
you what 2sG want
'What do you want?'
```

Just like the interrogative pronoun for people, when the adverb $\mathrm{gu}^{31}$ is used with $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31}$, they form an indefinite pronoun meaning 'anything'.

```
\(\mathrm{a}^{31} \mathrm{io}^{31} \quad \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \operatorname{tss}^{\mathrm{h}} \mathrm{l}^{31} \quad \mathrm{gu}^{31} \quad \mathrm{~m}^{31}-\operatorname{col}^{31}\)
I what also NEG want
'I don't want anything.'
```

It can be reduplicated to indicate plurality.

```
\(\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31} \quad\) 'what'
\(\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}_{0}^{\mathrm{h}} \mathrm{q}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}_{0}^{\mathrm{h}} \mathrm{q}^{31} \quad\) 'which ones'
```

It can occur with lay ${ }^{31}$ to form a rhetorical question.

you DEF why somebody do 2SG- beat -ASP
'Why did you hit somebody?'
The location interrogative pronoun is $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{a}^{31}$ 'where', which is made up of the interrogative morpheme $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ and $\mathrm{a}^{31}$. The $\mathrm{a}^{31}$ used to be used as a locative particle.

| $\mathrm{na}^{31}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{a}^{31}$ | $\mathrm{nu}^{31}$ | $\mathrm{dzq}^{31}$ | $\mathrm{dz} \varepsilon^{31}$ |
| :--- | :--- | :--- | :--- | :--- |
| you | where | 2sG | go | ASP |
| 'Where did you go?' |  |  |  |  |

There are two other location interrogative pronouns $k^{h} a^{55} b a^{31}$ and $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$, but they are not as widely used as $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{a}^{31}$. Just like the interrogative pronouns for people and things, the location interrogative pronoun can occur with the adverb $\mathrm{gu}^{31}$ 'also' to turn it into an indefinite location pronoun, and it can be reduplicated to indicate plurality. The interrogative pronoun for quantity is $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dar}^{31}$ 'how much/many'. It is made up of the interrogative morpheme $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ and the indefinite number dan ${ }^{31}$ 'several'. The interrogative pronoun for quality, state, or appearance is $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{di}^{55}$, which is made up of the interrogative morpheme $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ and the abstract noun $\mathrm{di}^{55}$ 'circumstance/ kind/state'.

## (4) Reflexive Pronouns

The reflexive pronoun in Anong is $\eta^{31} l u y^{55} y^{31}$ 'self. It can occur alone as a constituent of a sentence. The ending $\eta^{31}$ is often deleted.
$\mathrm{y}^{31} \quad \mathrm{ga}^{31} \mathrm{mum}^{31} \quad \mathrm{y}^{31} \mathrm{luq}^{55} \quad$ dzen ${ }^{55} \quad-\mathrm{u}^{31}$
he clothes REFL wash -MOOD
'He washes his own clothes.'

The reflexive pronoun can co-occur with a pronoun. However, both the prefix $\eta^{31}$ and the suffix $\eta^{31}$ must be deleted.

```
\mp@subsup{a}{}{31}\mp@subsup{i}{0}{31}\mp@subsup{}{}{31}\mp@subsup{lug}{55}{55}\quad'myself
\mp@subsup{a}{}{31}\mp@subsup{\textrm{ium}}{}{55}\mp@subsup{\textrm{si}}{}{31}lu\mp@subsup{\eta}{}{55}\quad\mathrm{ 'ourselves (dual)'}
a 31 ium }\mp@subsup{}{}{55}lu\mp@subsup{)}{}{55}\quad\mathrm{ 'ourselves'
na 31 lun 55 'yourself'
\eta\varepsilon 的\etaum, 55 si }\mp@subsup{}{}{31}lu\mp@subsup{|}{}{55}\quad\mathrm{ 'yourselves (dual)'
\eta\mp@subsup{\varepsilon}{}{31}\etau|\mp@subsup{)}{}{55}}\quad\mathrm{ 'yourselves'
\mp@subsup{y}{}{31}lu\mp@subsup{n}{}{55}\quad 'himself'
\eta 方\etau|\eta 55 si }\mp@subsup{}{}{31}lu\mp@subsup{|}{}{55}\quad\mathrm{ 'themselves (dual)'
\eta \1^um }\mp@subsup{}{}{55}lu\mp@subsup{)}{}{55}\quad\mathrm{ 'themselves'
```

(5) Indefinite Pronouns

There are two indefinite pronouns in Anong $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ar}^{31}$ or $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{av}^{31} \mathrm{ts}^{\mathrm{h}} 1^{55}$ 'somebody', and the other one is $a^{31} \mathrm{dan}^{55}$ 'everybody'.


```
this DEF somebody poss be
```

'This is somebody else's.'
$\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ar}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{55} \quad \mathrm{~m}^{31}-\quad \varepsilon \mathrm{m}^{55} \quad-\mathrm{nu}^{31}$
somebody NEG- eat -MOOD
'Somebody has not eaten yet.'

| $\eta^{31}$ | $\mathrm{a}^{31} \mathrm{dan}^{55}$ | $\mathrm{ba}^{31}$ | $\mathrm{na}^{31}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{im}^{55}$ |
| :--- | :--- | :--- | :--- | :--- |
| you | everybody | DO | $2 \mathrm{sG}-$ | speak |
| 'You speak to everybody.' |  |  |  |  |

### 4.1.5. Verbs

Verbs in Anong are marked for person, number, aspect, voice, mood, and direction using prefixes, suffixes, root internal changes of initial, final and tone, and reduplication.

## (1) Person and Number

In Anong, a verb must agree in person and number with its subject. The agreement is marked through affixation. The verb $\mathrm{k}^{\mathrm{h}} \mathrm{i}^{55}$ 'bite; gnaw' is used below to illustrate Anong agreement marking. ${ }^{3}$

[^15]Table 19: Agreement on the verb

|  | Singular | Dual | Plural |
| :---: | :---: | :---: | :---: |
| 1 | $\mathrm{k}^{\mathrm{h}} \mathrm{in}^{55}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{j}^{55} \varepsilon^{55}$ | $\mathrm{k}^{\mathrm{h}}{ }^{55} \mathrm{i}$ |
| 2 | $n^{31} \mathrm{k}^{\mathrm{h}}{ }^{55}$ | $\eta^{31} \mathrm{k}^{\mathrm{h}} \mathrm{s}^{55} \mathrm{~s}^{55}$ | $\eta^{31} \mathrm{k}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{mu}^{31}$ |
| 3 | $\mathrm{k}^{\mathrm{h}}{ }^{55}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{i}^{55}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{F}^{55}$ |

1) The first person singular marker on the verb is the suffix $-\eta$, which comes from the first person pronoun through the grammaticalization process, and has been fused onto the verb root. When the verb ends in a vowel, the suffix becomes part of the final. When the verb ends in a consonant, the final remains unchanged but the tone changes from a level tone to a rising tone. When the verb ends in a glottal stop, then the suffix comes before the glottal stop (e.g. $\mathrm{n}^{31} \mathrm{gaP}^{55}$ 'dry (clothes)' vs. $\mathrm{s}^{31} \mathrm{gan} \mathrm{P}^{55} / \mathrm{s} 1^{31} \mathrm{kan} \mathrm{P}^{55}$ 'cause to dry (clothes)'. As part of the final of a verb, the suffix $\mathrm{y}^{31}$ is in the process of weakening, being realized through nasalization of the preceding vowel. Sometimes it also causes the vowel in the morpheme that follows it to become nasalized.
2) Second person singular is marked by the prefix $n$, which comes from the second person pronoun through the process of grammaticalization. It is sometimes realized as $\eta \mathrm{um}^{31}$.
3) Third person marking is zero for singular, dual, and plural.
4) First person dual is marked by the suffix $s \varepsilon^{55}$, which is sometimes realized as so ${ }^{33}$. Notice that both forms have the initial [s]. We believe that both forms are grammaticalized variants of the dual marker $\mathrm{si}^{31}$ for personal pronouns. Anong has a homophonous aspect marker $s \varepsilon^{55}$, which often occurs with a low falling tone.
5) Second person dual is marked by the prefix $\eta$ and the suffix $s \varepsilon^{55}$ or $\mathrm{so}^{33}$ on the verb. The prefix marks person while the suffix marks number.
6) First person plural is marked by the suffix $i^{31}$. The origin of $i^{31}$ is difficult to ascertain. It may be connected to the first person pronoun. It is noteworthy that in all of the Tibeto-Burman languages that have person marking, the first person plural markers are related to either $\mathrm{i}^{31}$ or a vowel similar to it. This is not a coincidence. It could be an indication that they are all cognates.
7) Second person plural is marked by the prefix $\eta^{31}$ and the suffix $\eta u^{31}$ on the verb, both of which come from second person pronouns. Using person marking to indicate plural is not unique to Anong. This
kind of marking is almost universal among Tibeto-Burman languages that retain the person marking category.
8) It was mentioned earlier that Anong has the inclusive and exclusive distinction for first person dual and plural. In the examples given in Table 20, the marking for first person dual and plural are examples for exclusive dual and plural in the first person. The dual inclusive marker is the suffix $s_{1}{ }^{31}$. For first person plural inclusive, the marker is the same as the marker for first person plural exclusive.

The copula verb in Anong is also marked for person, but it has its own patterns. The affirmative form of the copula is $i \varepsilon^{33}$, which does not inflect for person. The negative form of the copula, however, inflects for person and number. The negative marker $\mathrm{m}^{31}$ is fused with the prefix in second person to be part of the same syllable.

Table 20: Agreement marking on the copula

| Singular <br> Affirmative | Negative | Dual <br> Affirmative | Negative | Plural <br> Affirmative | Negative |
| :--- | :--- | :--- | :--- | :--- | :--- |

It should be pointed out that the negative form of the copula $\mathrm{Zl}^{55}$ can also be used as the affirmative form, although the affirmative form of the copula $i \varepsilon^{33}$ can not be used in place of the negative form.
9) Inverse marking. Anong has SVO word order, and the verb most often agrees with the subject in person and number. Sometimes, however, the verb has to agree with the object and its modifier in person and number. Specifically, when the subject is third person, and the object and its modifier are in first or second person, the verb must agree with the object or its modifier in person and number. This pattern is exemplified as follows with the verbs $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{53}$ 'sew' and $\mathrm{a}^{31} n \varepsilon^{33}$ 'hit (a person)' when the subject is third person.

Table 21: Inverse marking

| Subject | Object | 'sew' | 'hit; beat' |
| :---: | :---: | :---: | :---: |
| 3 | 1sG | $\eta^{31} p^{h} d \eta^{53} \tilde{\varepsilon}^{31}$ | $\eta \mathrm{a}^{31} \mathrm{n} \varepsilon \eta^{35} \tilde{\varepsilon}^{31}$ |
| 3 | 1 DU | $n^{31} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{53} \mathrm{~s}^{55} \mathrm{ua}^{31}$ | $\eta \mathrm{a}^{31} n \varepsilon^{35} \mathrm{se}^{55} \mathrm{ua}^{31}$ |
| 3 | 1 PL | $\eta^{31} \mathrm{p}^{\mathrm{h}} \mathrm{c}^{53} \mathrm{i}^{55} \mathrm{uq}^{31}$ | $\eta \mathrm{a}^{31} n \varepsilon^{35} \mathrm{i}^{55} \mathrm{ua}^{31}$ |
| 3 | 2SG | $\eta^{31} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{53} \varepsilon^{31}$ | $\eta \mathrm{a}^{31} \mathrm{n} \varepsilon^{35} \varepsilon^{31}$ |
| 3 | 2DU | $\eta^{31} p^{h} a^{53} s^{55} \mathrm{ua}^{31}$ | $\chi \mathrm{a}^{31} \mathrm{n} \varepsilon^{85} \mathrm{se}^{55} \mathrm{ua}^{31}$ |
| 3 | 2PL | $\eta^{31} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{53} \chi^{\text {u }}{ }^{31} \mathrm{ua}^{31}$ | $\eta \mathrm{a}^{31} n \varepsilon^{35} \chi^{\text {m }}{ }^{31} \mathrm{ua}^{31}$ |

The examples above show that when the subject is third person, and the object is first or second person, the subject must agree with the object in person. But another difference is that the verb takes the prefix $\eta^{31}$, which is a very productive prefix in Anong.

The affixes on the verb follow predictable rules in pronunciation. For instance, when a verb root ends in a nasal consonant, it combines with the vowel suffix to form a syllable, as is illustrated below.

| Verb |  | Verb+1pl | Pronounciation |
| :---: | :---: | :---: | :---: |
| $\varepsilon \mathrm{mm}^{53}$ | 'eat' | $\varepsilon \mathrm{m}^{53} \mathrm{i}^{31}$ 'we eat' | $\varepsilon^{53} \mathrm{mi}^{31}$ |
| $\operatorname{cin}^{53}$ | 'poke' | $\operatorname{cin}^{53} \mathrm{i}^{31}$ 'we poke' | $6^{653}{ }^{53}{ }^{31}$ |
| $a)^{53}$ | 'drink' | $a)^{53} \mathrm{i}^{31}$ 'we drink' | $\mathrm{a}^{53} \mathrm{ni}^{31}$ |

When the verb root ends in a nasalized vowel, then the suffixal vowel becomes nasalized as well.

| Verb |  | Verb +1 pl | Pronunciation |
| :---: | :---: | :---: | :---: |
| $\mathrm{di}^{31} \mathrm{dz} \tilde{\mathrm{a}}^{31}$ | 'taste' | $\mathrm{di}^{31} \mathrm{dz} \tilde{\mathrm{a}}^{31} \mathrm{i}^{31}$ | $\mathrm{di}^{31} \mathrm{dza} \tilde{\mathrm{a}}^{31} \tilde{\mathrm{i}}^{31}$ |
| $\mathrm{k}^{\mathrm{h}} \tilde{\mathrm{e}}^{31}$ | 'pull' | $k^{\text {h }} \mathrm{e}^{31} \mathrm{i}^{31}$ | $k^{\text {he }}{ }^{31} \tilde{1}^{31}$ |
| $\mathrm{t}^{\mathrm{h}} \tilde{}^{31}$ | 'sew (button)' | $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{i}^{31}$ | $\mathrm{t}^{\mathrm{h}} \tilde{\mathrm{a}}^{31} \tilde{\mathrm{i}}^{31}$ |

For verbs that either begin with a vowel or with the prefix $a^{31}$, the second person prefix $\eta^{31}$ combines with $a^{31}$ to form a syllable or it becomes the onset of the verb root.

|  | $\mathrm{a}^{31} \operatorname{sum}^{31}$ 'select (seeds)' | $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ 'blow (on fire)' | $\varepsilon \mathrm{m}^{53}$ 'eat' |
| :---: | :---: | :---: | :---: |
| 2SG | $\eta a^{31} \operatorname{sum}^{31}$ | $\eta a^{31} p^{h} u^{31}$ | $\eta \varepsilon m^{53}$ |
| 2DU | $\eta \mathrm{a}^{31} \mathrm{sum}^{31} \mathrm{~s}^{55}$ | $\eta a^{31} p^{h} u^{31} s \varepsilon^{55}$ | $\eta \varepsilon m^{53} s \varepsilon^{55}$ |
| 2PL | $\eta \mathrm{a}^{31} \mathrm{sum}^{31} \mathrm{nu}^{31}$ | $\eta \alpha^{31} p^{h} u^{31} \eta \mathrm{u}^{31}$ | nem ${ }^{53}$ nu $^{31}$ |

There are some other pronunciation changes, such as tonal changes. But the conditions governing those changes are quite complex. We will not go into detail about those changes here.
(2) Aspect

Aspect is marked by suffixes on the verb. Anong has future progressive, present progressive, perfect, experiential, and perfective aspects.
(A) Future Progressive

Future progressive is marked by the suffix bu ${ }^{55}$ or $u q^{55}$ on the verb. The former can occur with first, second or third person, but the latter can only occur with the third person. Also, $\mathrm{bu}^{55}$ indicates eye-witnessed or first-hand events (FUT.FH) while $\mathrm{uq}^{55}$ indicates non-eye-witnessed or hearsay events (FUT.Hs). Anong has a declarative mood suffix $\varepsilon^{55} / \varepsilon^{31}$, which is also used to mark present progressive when used alone. It can co-occur with any aspect marker to indicate declarative mood.
$\begin{array}{lllll}\mathrm{a}^{31} \mathrm{io}^{31} & \mathrm{a}^{55} & \operatorname{loy}^{55} & \mathrm{bu}^{55} & -\varepsilon^{55}\end{array}$
'I am going back.'

| $\mathrm{y}^{31}$ nuın $^{55}$ | $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{33}$ | $\mathrm{ven}^{35}$ | $-\varepsilon^{55}$ | $-\mathrm{uq}^{55}$ |
| :--- | :--- | :--- | :--- | :--- |
| they | vegetable | buy | -IND | -FUT.HS | 'They are going to buy vegetables (hearsay).'

(B) Present Progressive

Present progressive is marked by the suffix $\varepsilon^{55}$ or $n o^{31} \varepsilon^{55}$ on the verb.

| $\mathrm{mo}^{55} \mathrm{do}^{55}$ | $\mathrm{du}^{31} \mathrm{ba}^{31}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{ar}^{55}$ | $-\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | $\mathrm{a}^{31} \mathrm{ian}^{35}$ | $-\mathrm{si}^{31}$ | $\mathrm{a}^{31} \mathrm{gu}^{55}$ | $-\varepsilon^{55}$. |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| car | bridge | on.top.of | - -LOC | slow | -ADV | cross | -IND |
| 'The car is slowly crossing the bridge.' |  |  |  |  |  |  |  |

$\eta^{31} \eta(\underset{1}{ })^{55} \quad$ t $^{\mathrm{h}} \mathrm{im}^{31} \quad \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \quad \operatorname{la}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{Un}^{55} \quad \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{z}^{1} \mathrm{n}^{31} \mathrm{sa}^{55} \quad \mathrm{no}^{31}-\varepsilon^{31}$
they home poss door latch ASP-IND 'The door to their house is latched.' (i.e. in the state of being latched.)

## (C) Perfect Progressive

Perfect progressive is marked by the suffix $d z \varepsilon^{31} / \mathrm{d} \not \mathrm{m}^{31} / \mathrm{d} \not \mathrm{i}^{31}$ on the verb. This marking indicates that the event has already been in progress or a resultant state is being realized. It does not emphasize its telicity, i.e. its endpoint. The marker varies in form in sentences with pronominal subjects. Person marking usually occurs before the aspect marker. (See the section on person and number marking on verbs for details.)

| $\mathrm{a}^{31} \mathrm{io}^{31}$ | $\mathrm{a}^{55}$ | $¢_{\text {c }}{ }^{33}$ | $t^{\text {h }} \mathrm{i}^{31}$ | gam ${ }^{55}$ | $v \mathrm{vn}^{35}$ | dzum ${ }^{31}$ |  | $\mathrm{a}^{31}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| I | DE | mea | one | catty | buy | EXP.1sG |  | ST |
|  |  | atty | me |  |  |  |  |  |

ts $^{\text {h }} 1^{31} \quad$ dzal $^{55} \quad \mathrm{a}^{31} \mathrm{dz} \varepsilon^{31}$
rain fall Exp
'It is already raining.'
(D) Experiential Aspect

Experiential aspect is marked by the suffix -ie ${ }^{31}$. It indicates that the event has happened or used to take place. Sometimes it is used to convey the sense that the speaker experienced it in the past.
$\mathrm{na}^{31}$ pei $^{31} \mathrm{tccin}^{55} \quad \mathrm{dz} \mathrm{\varepsilon}^{53} \mathrm{burf}^{55} \quad-\mathrm{ie}{ }^{31}$
I Beijing go -ASP
'I have been to Beijing.'
$\mathrm{y}^{31} \quad \mathrm{a}^{55} \quad \mathrm{a}^{31} \operatorname{din}^{55} \quad 6 \mathrm{a}^{33} \quad \mathrm{k}^{\mathrm{h} \mathrm{i}^{55}} \quad-\varepsilon^{31} \quad-\mathrm{ie}^{31}$
he DEF rat meat bite -IND -ASP
'He has eaten rat meat.'
(E) Perfective Aspect

Perfective Aspect is marked by $t^{h} a y^{55}$ on the verb to indicate that the event was not only already in progress but has been completed as well. The perfective aspect marker $t^{h} a \eta^{55}$ is often used in combination with the perfect progressive aspect.
 he DEF food eat ASP ASP -IND 'He has finished eating the food/meal.'
$\begin{array}{llllll}\mathrm{m}^{31} \mathrm{dzq} \mathrm{n}^{55} \mathrm{sq}^{31} & \mathrm{a}^{31} \mathrm{dan}^{55} & \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{55} & \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} & \mathrm{~d} z \varepsilon^{31} & -\varepsilon^{55} \\ \text { crops } & \text { all } & \text { harvest } & \text { ASP } & \text { ASP } & \text {-IND }\end{array}$ 'All crops have been harvested.'
(3) Voice

Anong has reflexive (middle), causative, and reciprocal voices marked by prefixes, suffixes, and verb root internal changes.

## (A) Reflexive

The reflexive is marked by the suffix $6 w^{31}$ on the verb. The marker has two variants $\$ 1^{31}$ and $s \varepsilon^{31}$. Reflexive marking ${ }^{4}$ is no longer productive in Anong. In some cases, it has been fossilized with the verb root. The first person singular form is $\operatorname{cwn}^{31}$ and the second singular form can be either $\$ 1^{31}$ or $s \varepsilon^{31}$. It has no special forms for dual and plural. In other words, the regular person and number markers for dual and plural are used.

| verb |  | first person | second person |
| :---: | :---: | :---: | :---: |
| $\mathrm{d} 7 \varepsilon \mathrm{n}^{31}$ | 'wash (clothes)' | $\mathrm{d} 7 \varepsilon \mathrm{n}^{31} \varphi \mathrm{~min}^{31}$ | $\mathrm{d} 7 \varepsilon \mathrm{n}^{31} \mathrm{~S} 1^{31}$ |
| $\operatorname{san}^{55}$ | 'kill' | $\operatorname{san}^{55}$ ¢wn ${ }^{31}$ | $\operatorname{san}^{55} \mathrm{se}^{31}\left(\mathrm{~S}^{31}\right)$ |
| $\left.t^{6} \mathrm{~d}\right)^{55}$ | 'comb (hair)' | $t 6^{h} \mathrm{ar}^{55}$ cun $^{31}$ | $t 6^{\mathrm{h}} \mathrm{an}^{55} \mathrm{~S} 1^{31}\left(\mathrm{~s} \varepsilon^{31}\right)$ |
| $\mathrm{gua}^{31}$ | 'put on (clothes)' | gua $^{31}$ cun ${ }^{31}$ | $\mathrm{gua}^{31} \mathrm{~S}^{31}$ |

## (B) Causative

Causatives are marked by prefixes or devoicing of the initial consonant in some verb roots.
a) The prefix $s 1^{31}$ is used to mark causative. It has several phonetically determined variants. Verbs containing vowels such as $a, o, m$, or u take $s^{31}$. $s \varepsilon^{31}$ occurs before verbs containing the vowel $\varepsilon$. $\varphi^{31}$ occurs before verbs with either a palatal consonant in the initial position or with the high front vowel i. This last form is clearly a result of place of articulation assimilation. This is the main causative marker in Anong, which is a reflex of the proto-Tibeto-Burman causative marker. However, it is not very productive in Anong.

[^16]|  | Verb | Causative verb |
| :---: | :---: | :---: |
| 'adhere' | $\mathrm{ga}^{55}$ | $\mathrm{s}^{31} \mathrm{ga}^{55}$ |
| 'eat' | $\varepsilon \mathrm{m}^{53}$ | $\mathrm{sc}^{31} \mathrm{~cm}^{53}$ |
| 'bite (dog)' | dzuy ${ }^{53}$ | ci $^{31}{ }^{1} \mathrm{z}$ min ${ }^{53}$ |
| 'break' | $\mathrm{t}^{\text {h }} \mathrm{o}^{55} \mathrm{da}^{55}$ | $s^{31} \mathrm{t}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{da}^{55}$ |

b) Some of the verbs with either a lateral liquid or a nasal consonant in the initial position, the initial consonant becomes devoiced in the causative froms.

|  | Verb | Causative verb |
| :---: | :---: | :---: |
| 'bury' | $\lim ^{55}$ | $4 \mathrm{im}^{55}\left(\mathrm{~s} 1^{31} \lim ^{55}\right)$ |
| 'fill' | nay ${ }^{55}$ | $\mathrm{nay}{ }^{55}\left(\mathrm{sl}^{31} \mathrm{nan}^{55}\right)$ |
| 'sleep' | nim ${ }^{55}$ | nim ${ }^{55}\left(\mathrm{~s}^{31} \mathrm{nim}^{55}\right)$ |
| 'cry' | ym ${ }^{55}$ | $\eta \mathrm{mu}^{55}\left(s 1^{31} \mathrm{yum}^{55}\right)$ |

c) Another causative prefix is $\mathrm{dum}^{31}$ which has a variant form $\mathrm{di}^{31}$.

|  | Verb | Causative verb |
| :--- | :--- | :--- |
| 'hatch' | bumm $^{55}$ | $\operatorname{dum}^{31} \mathrm{bumm}^{55}$ |
| 'melt' | $\mathrm{grl}^{55}$ | $\mathrm{dum}^{31} \mathrm{grl}^{55}$ |
| 'rot' | $\mathrm{bum}^{55}$ | $\mathrm{dum}^{31} \mathrm{bum}^{55}$ |
| 'put on (clothes)' | $\mathrm{gua}^{31}$ | $\mathrm{du}^{31} \mathrm{gua}^{31}$ |

d) Anong has some other causative prefixes, which have the same function as $s 1^{31}$ and $\mathrm{du}^{31}$. But they have a very low frequency of occurrence. Whether these are just exceptions or not is still unknown. Further investigation is needed to have a clear understanding of these prefixes.

|  | Verb | Causative verb |
| :--- | :--- | :--- |
| 'fall (wall)' | $\operatorname{dim}^{55}$ | $\mathrm{bux}^{31} \operatorname{dim}^{55}\left(\mathrm{ci}^{31} \operatorname{dim}^{55}\right)$ |
| 'flat' | $\mathrm{a}^{31} \mathrm{dza}^{31}$ | $\mathrm{p}^{\text {h }} \mathrm{d}^{55} \mathrm{dza}^{31}$ |
| 'sour' | $\mathrm{m}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{um}^{55}$ | $\mathrm{p}^{\mathrm{h}} \mathrm{am}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{um}^{55}$ |

The first form above, takes either $\mathrm{bu}^{31} \mathrm{or} \mathrm{ci}^{31}$ as the causative marker. In the other two examples under (d), the prefix $p^{h} a^{55}$ came from the
combination of $p^{h} u^{31}$ with the prefix $a^{31}$ and $p^{h} u^{31}$ with $a^{31}$ and $m^{31}$ respectively, and the causative markers being $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31}$ and $\mathrm{p}^{\mathrm{h}} \mathrm{am}^{31}$.
(C) Reciprocals

Reciprocals are marked by the prefix $a^{31}$ -

|  | Verb | Reciprocal verb |  |
| :--- | :--- | :--- | :--- |
| 'shoot' | $\mathrm{vam}^{55}$ | $\mathrm{a}^{31} \mathrm{vam}^{55}$ | 'shoot each other' |
| 'miss' | $\mathrm{ts}^{5} \mathrm{om}^{55}$ | $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{om}^{55}$ | 'miss each other' |
| 'ask' | $\mathrm{Zn}^{53}$ | $\mathrm{a}^{31} \mathrm{Z}^{53} \mathrm{n}^{53}$ | 'ask each other' |
| 'pull' | $\operatorname{San}^{33}$ | $\mathrm{a}^{31} \operatorname{san}^{33}$ | 'pull each other' |

There are some words that have an inherent reciprocal meaning, and they all have the prefix $\mathrm{a}^{31}$-. This could be an indication that this grammatical marker is moving in the direction of becoming a derivational morpheme. The following are some examples.

| $\mathrm{a}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{in}{ }^{31}$ | 'exchange' |
| :---: | :---: |
| $\mathrm{a}^{31} \mathrm{gun}^{55}$ | 'discuss' |
| $\mathrm{a}^{31} \mathrm{p}^{\text {h }} \mathrm{u}^{55}$ | 'bump each other' |
| $\mathrm{a}^{31} \mathrm{n} \varepsilon^{31}$ | 'fight' |
| $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{al}^{55}$ | 'divorce' |
| $\mathrm{a}^{31} \mathrm{vam}^{55}$ | 'battle' |
| $\mathrm{a}^{31} \tan ^{55}$ | 'wrestle' |
| $\mathrm{a}^{31} \mathrm{lu}^{55}$ | 'copulate' |
| $\mathrm{a}^{31} \mathrm{lin}^{55}$ | 'compete' |

Also, reciprocal and causative markers can occur on the same verb, which is illustrated by the following examples.
$\mathrm{a}^{31} \quad$ ci $^{31} \quad$ dzuin ${ }^{31}$
RECIP CAUS believe
'cause to believe each other'

```
\mp@subsup{a}{}{31}
RECIP CAUS glue
'make stick to each other'
```


RECIP CAUS rub
'make rub each other'

## (D) Mood

Mood in Anong is marked either through an utterance final particle or a morphological marker on the verb. Anong has indicative, imperative, and directional moods, marked by affixation, or voicing alternations of the initials of verb roots.

1) Indicative mood

The indicative mood in Anong is marked by the suffix $\varepsilon^{55}$ or $\varepsilon^{31}$ on the verb. ${ }^{5}$ If another marker is also present, the combination will include progressive in its meaning.
$\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dza}^{55} \mathrm{ma}^{31} \mathrm{a}^{31} \quad \mathrm{gr} 1^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31} \quad \varepsilon \mathrm{~m}^{53} \quad-\varepsilon^{31}$.
older brother DEF porridge eat- IND
'Older brother is eating porridge.'
$\mathrm{n}^{31} \quad \mathrm{a}^{31} \quad \mathrm{bu}^{55} \mathrm{~d} \not \mathrm{q}^{31} \quad \mathrm{k}^{\mathrm{h}} \mathrm{in}^{31} \quad-\varepsilon^{31}$
he DEF food boil -IND
'He is cooking food.'
2) Imperative

The imperative is often used to issue a command to the person the speaker is speaking to. Therefore, in Tibeto-Burman languages, the imperative is related to second person markings. The imperative in Anong has singular, dual, and plural forms marked by affixation, and, for some verbs, alternation in the voicing of the initials.
a) When the initial is a voiceless consonant, or a voiced stop/affricate, or a consonant cluster, it remains unchanged, and the imperative is marked by the suffix $o^{31}$ for singular, $\mathrm{so}^{31}$ for dual, and $\eta \mathrm{o}^{31}$ for plural.

| Root | Singular | Dual | Plural |  |
| :---: | :---: | :---: | :---: | :---: |
| dzam ${ }^{55}$ | dzam ${ }^{55} \mathrm{o}^{31}$ | dzam ${ }^{55} \mathrm{So}^{31}$ | dzam ${ }^{55} \mathrm{no}^{31}$ | 'glue' |
| $\mathrm{bi}^{31}$ | $\mathrm{bi}^{31} \mathrm{o}^{31}$ | $\mathrm{bi}^{31} \mathrm{so}^{31}$ | $\mathrm{bi}^{31} \mathrm{no}^{31}$ | 'cut (meat)' |
| X.IUn ${ }^{53}$ | X.Imi ${ }^{53} \mathrm{o}^{31}$ | X.IUun ${ }^{53} \mathrm{So}^{31}$ | x.Ium, ${ }^{53} \mathrm{no}^{31}$ | 'sift' |

The singular imperative marker often blends with the verb or suffix. For instance, $\mathrm{dzam}^{55} \mathrm{o}^{31}$ is pronounced as $\mathrm{dza}^{55} \mathrm{mo}^{31}, \mathrm{bi}^{31} \mathrm{o}^{31}$ as $\mathrm{bio}^{31}$ and x.umn ${ }^{53} \mathrm{o}^{31}$ as $\mathrm{ximu}^{53} \mathrm{\eta o}^{31}$. The same rule applies to the examples below.

[^17]b) If the initial of the verb root is a voiced fricative, a voiced nasal, or a voiced lateral, then it is devoiced in the imperative form. The suffixes are the same.

| Root | Singular | Dual | Plural |  |
| :---: | :---: | :---: | :---: | :---: |
| $v \varepsilon^{31}$ | $\mathrm{fe}^{31} \mathrm{o}^{31}$ | $\mathrm{ff}^{31} \mathrm{so}^{31}$ | $\mathrm{fe}^{31} \mathrm{n}^{31}$ | 'light (lamp)' |
| $\mathrm{z1}^{53}$ | $\mathrm{sq}^{53} \mathrm{o}^{31}$ | $\mathrm{s}_{1} \mathrm{n}^{53} \mathrm{so}^{31}$ | s $1^{53}{ }^{5} 0^{31}$ | 'ask' |
| ท $2 \mathrm{~m}^{33}$ | no $\mathrm{m}^{33} \mathrm{o}^{31}$ | ñem ${ }^{33} \mathrm{so}^{31}$ | ñ $\mathrm{m}^{33} \mathrm{n}^{31}$ | 'sell' |
| $\mathrm{m} \varepsilon \mathrm{y}^{35}$ | $\mathrm{m} \varepsilon \mathrm{y}^{35} \mathrm{o}^{31}$ | $\mathrm{m} \ell \mathrm{y}^{35} \mathrm{so}^{31}$ | $\mathrm{m}_{0} \varepsilon \mathrm{y}^{35} \chi^{31}$ | 'dig' |
| $10)^{55}$ | $\tan ^{55} \mathrm{o}^{31}$ | tan ${ }^{55} \mathrm{so}^{31}$ | $\tan ^{55} \mathrm{n}^{31}$ | 'lick' |

c) If the verb root begins with a vowel, the prefix must be added in addition to the imperative marker. In pronunciation, this prefix weakens to just the consonant which then blends with the vowel that follows it to form a syllable.

$$
\text { an }{ }^{55} \quad \text { 'drink' }
$$

| Singular | $p^{\text {h }} \mathrm{w}^{31} \mathrm{an}^{55} \mathrm{o}^{31}$ | (pronounced as: $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{no}^{31}$ ) |
| :---: | :---: | :---: |
| Dual | $\mathrm{p}^{\mathrm{h}} \mathrm{ur}^{31} \mathrm{ar}^{55} \mathrm{so}^{31}$ | (pronounced as: $\mathrm{p}^{\mathrm{h}} \mathrm{aq}^{55} \mathrm{so}^{31}$ ) |
| Plural | $\left.p^{h} \mathrm{~m}^{31} \mathrm{ar}\right)^{55} \mathrm{q}^{31}$ | (pronounced as: $\mathrm{p}^{\mathrm{h}} \mathrm{an}^{55} \chi^{31}$ ) |
| $\mathrm{a}^{31} \mathrm{dza}^{55}$ | 'chop' |  |
| Singular | $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{a}^{31} \mathrm{dza}^{55} \mathrm{o}^{31}$ | (pronounced as: $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{dza}^{55} \mathrm{o}^{31}$ ) |
| Dual | $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{~d}^{31} \mathrm{dza}^{55} \mathrm{so}^{31}$ | (pronounced as: $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{dzz}^{55} \mathrm{so}^{31}$ ) |
| Plural | $\mathrm{p}^{\mathrm{h}} \mathrm{m}^{31} \mathrm{a}^{31} \mathrm{dza}^{55} \mathrm{o}^{31}$ | (pronounced as: $\mathrm{p}^{\text {h }}{ }^{31} \mathrm{dza}^{55}$ ) |
| $\varepsilon \mathrm{m}^{53}$ | 'eat' |  |
| Singular | $\mathrm{p}^{\mathrm{h}} \mathrm{ur}^{31} \mathrm{\varepsilon m}^{53} \mathrm{o}^{31}$ | (pronounced as: $\mathrm{p}^{\mathrm{h}} \varepsilon^{53} \mathrm{mo}^{31}$ ) |
| Dual | $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{\varepsilon m}^{53} \mathrm{so}^{31}$ | (pronounced as: $\mathrm{p}^{\mathrm{h}} \varepsilon \mathrm{m}^{53} \mathrm{so}^{31}$ ) |
| Plural | $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \varepsilon \mathrm{~m}^{53} \eta \mathrm{o}^{31}$ | (pronounced as: $\mathrm{p}^{\mathrm{h}} \varepsilon \mathrm{m}^{53} \mathrm{no}^{31}$ ) |

d) When the verb begins with a diphthong that has [i] as its first element, [i] becomes 6 in the imperative forms. The [ $c$ ] may have come from [s]. In any case, the alternation lacks an explanation.

| Root | Singular | Dual | Plural |  |
| :---: | :---: | :---: | :---: | :---: |
| i $\varepsilon \mathrm{n}^{55}$ | $¢ 8 \mathrm{n}^{55} \mathrm{o}^{31}$ | $¢_{6}{ }^{55} \mathrm{so}^{31}$ | $¢ 8{ }^{55} \chi^{31}$ | 'escape' |
| $1 i a y^{55}$ | $\operatorname{can~}^{55} \mathrm{o}^{31}$ | can ${ }^{55} \mathrm{so}^{31}$ | can ${ }^{55} \mathrm{no}^{31}$ | 'yell' |

3) Optative

Anong has two types of optative. One is marked by the prefix $l \varepsilon^{55}$ and the other is marked by the prefix $\mathrm{la}^{31}$, in addition to the imperative markers, the sentence ends with the utterance final particle lie ${ }^{31}$ in both cases.


| $\mathrm{a}^{31} \mathrm{io}^{31}$ | $\mathrm{a}^{55}$ | $\mathrm{t}^{\mathrm{h} \mathrm{i}^{55}}$ | $\mathrm{so}^{31} \mathrm{le}^{55}$ | $\mathrm{di}^{31} \mathrm{ga}^{55}$ | $\mathrm{o}^{31}$ | lie ${ }^{31}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| I | DEF | one | CLF | OPT | rest | IMP.SG OPT |

'Please let me take a rest.'

| $\mathrm{y}^{31}$ | $\mathrm{la}^{31}$ | $\mathrm{~d}_{2}$ n $^{55}$ | $\mathrm{o}^{31}$ | $\mathrm{lie}^{31}$ |
| :--- | :--- | :--- | :--- | :--- |
| he | OPT | wash | IMP.SG | OPT |

'Please let them wash.'

| $\eta \mathrm{a}^{31}$ | $a^{55}$ | $\mathrm{Z} 1^{55}$ | $\mathrm{m}^{31}$ | -dzo ${ }^{31}$ | $1 \mathrm{dza}^{31}$, |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| you | DEF | carry.on.back |  | walk | CONJ |  |  |
| $\mathrm{y}^{31}$ | $1 a^{55}$ | $z_{1}{ }^{55}$ | $\eta \mathrm{u}^{31}$ |  | $\mathrm{du}^{31} \mathrm{gu}^{55}$ | 31 | $1 i^{31}$ |
| he | OPT | carry.on.back | 2SG |  | help |  | PT |
| 'Please let him help you carry (it), if you cannot carry (it).' |  |  |  |  |  |  |  |

(E) Directional Markers on Verbs

The Anong people live in the mountains and valleys. Therefore, their actions and activities are marked for directions through a variety of suffixes based on the location and orientation of rivers and mountains. The suffixes can be divided into two categories, centrifugal vs centripetal, dependent on the speaker's perspective. The suffixes came from full fledged lexical items, the original meanings of some of which are still retained, which can be seen in the examples below.

1) Motion toward the center of action (usually the place of the speech act) is marked by the suffixes $a^{31} i^{55}, a^{31} n a^{55}, a^{31} d a^{55}$, and $\mathrm{l}^{31}$ on the verb. Their grammatical functions and meanings are illustrated using the verb $\mathrm{z}_{1}{ }^{55}$ ' carry on back'.
```
Z11 55 a }\mp@subsup{}{}{31}\textrm{i
z1 55 a m1 na }\mp@subsup{}{}{55}\quad\mathrm{ 'carry on back up hither (from lower to higher ground)'
Z1 [5 a m1 da 5
Z1 }\mp@subsup{}{}{55}\mp@subsup{\mp@code{lo}}{}{31}\quad\mathrm{ 'carry on back return hither (return to starting point)'
```

2) Motion away from the center of action (usually the speech act) is marked by the suffixes $a^{31} b a^{55}, a^{31} l a^{31}, d a \eta^{55}$, and $l u^{55}$ on the verb.

When these directional suffixes co-occur with other grammatical markings, their finals inflect for person and number marking. We will again use the verb 'carry on back' to illustrate the inflections for future progressive and perfect progressive.

Table 22: Future progressive and perfect progressive

| Subject | Future Progressive | Perfect Progressive |
| :---: | :---: | :---: |
| 1SG | $\mathrm{z}_{1} \mathrm{n}^{55} \mathrm{a}^{31} \mathrm{bon}^{55}$ | z1 $\mathrm{n}^{55} \mathrm{a}^{31}$ bunn $^{55} \tilde{\mathrm{a}}^{31}$ |
| 2SG | $\eta^{31} \mathrm{zl}^{55} \mathrm{a}^{31} \mathrm{bo}^{55}$ | $\eta^{31} \mathrm{Z1}^{55} \mathrm{a}^{31} \mathrm{ba}^{31}$ |
| 3SG | $\mathrm{z} 1^{55} \mathrm{a}^{31} \mathrm{bo}^{31}$ | $z 1^{55} \mathrm{a}^{31} \mathrm{ba}^{31}$ |
| 1DU | $\mathrm{z} 1^{55} \mathrm{a}^{31} \mathrm{bul}^{55} \mathrm{so}^{31}$ | $\mathrm{z} 1^{55} \mathrm{a}^{31} \mathrm{bu}^{55} \mathrm{sa}^{31}$ |
| 2DU | $\mathrm{n}^{31} \mathrm{Z}^{55} \mathrm{a}^{31} \mathrm{bo}^{55} \mathrm{so}^{31}$ | $n^{31} \mathrm{Zl}^{55} \mathrm{a}^{31} \mathrm{buc}^{55} \mathrm{sa}^{31}$ |
| 3DU | $z 1^{55} \mathrm{a}^{31} \mathrm{bo}^{31}$ | $z 1^{55} \mathrm{a}^{31} \mathrm{ba}^{31}$ |
| 1 PL | $\mathrm{Z} 1^{55} \mathrm{a}^{31} \mathrm{bi}^{55}$ | $\mathrm{z} 1^{55} \mathrm{a}^{31} \mathrm{bum}^{55} \mathrm{a}^{31}$ |
| 2PL | $\eta^{31} \mathrm{Zl}^{55} \mathrm{bo}^{55} \mathrm{num}^{31}$ | $\eta^{31} \mathrm{Z}^{55} \mathrm{bux}^{55} \mathrm{num}^{31} \mathrm{a}^{31}$ |
| 3PL | $\mathrm{z} \mathrm{l}^{55} \mathrm{a}^{31} \mathrm{bo}^{31}$ | z1 ${ }^{55} \mathrm{a}^{31} \mathrm{ba}^{31}$ |

There are several points to be noted about this set of examples. First, an alveolar nasal occurs on the verb in the first person singular forms for both future progressive and perfect progressive. The function and origin of this ending are still unknown, and will require further study. One possibility is that it is a variant of person marking resulting from double marking for person. Second, marking future progressive and perfect progressive through inflecting the suffix could be a remnant of changes in tense marking. So far, we do not have any other explanation for this kind of inflection. Third, in addition to the vowel change of the suffixes for the inflection, there is an accompanying tonal change in the form of an alternation between the high level and low falling tones. This is true with both the person and number markings and the
marking for aspect. We conjecture that this is an accompanying effect of combining various affixes and the intonation patterns. ${ }^{6}$
(F) Nominalization of verbs

Verbs and verb-object phrases can be turned into nominals through suffixation. The suffix on the verb-object phrase turns it into a noun meaning the thing used to V . The following are some examples.

1) $\mathrm{d} \varepsilon \mathrm{m}^{55}$ can be added to both verbs and verb-object phrases to turn them into nouns.

| Verb |  | Noun |  |
| :---: | :---: | :---: | :---: |
| $\begin{aligned} & {\varepsilon m^{53}}^{{a y^{55}}^{d^{55}}} \begin{array}{l} \text { dzan }^{55} \\ \text { dzom }^{31} \end{array} \end{aligned}$ | 'eat' <br> 'drink' <br> 'look' <br> 'use' | $\begin{aligned} & \varepsilon m^{53}{\mathrm{~d} \varepsilon \mathrm{~m}^{55}}^{\mathrm{an}^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}} \\ & \mathrm{dzan} \mathrm{n}^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55} \\ & \text { dzom }^{31} \mathrm{~d}^{55} \end{aligned}$ | 'food' <br> 'beverage' <br> 'something to read/look at/see' 'something to use' |
| VO Phrase |  | V-O compound noun |  |
| $\mathrm{a}^{31} \text { tshay }{ }^{31}$ <br> person | $\begin{aligned} & \mathrm{a}^{31} \mathrm{~g}^{\mathbf{3 1}} \\ & \text { carry } \end{aligned}$ | $\mathrm{a}^{31} \operatorname{tshay~}^{31} \mathrm{a}^{31} \mathrm{gi}$ | $\mathrm{m}^{55}$ 'pole (for carrying people)' |
| $b_{w} \eta^{31} a^{31} d z a^{55}$ <br> name carve |  | bury ${ }^{31} \mathrm{a}^{31} \mathrm{~d}_{4} \mathrm{a}^{55}$ | 5 'stamp, seal' |

2) $\mathrm{za}^{55}$ is added to a verb or verb-object phrase to create a noun to refer to the place where V -ing is taking place.

| Verb |  | Noun |  |
| :--- | :--- | :--- | :--- |
| nim $^{55}$ | 'sleep' | $\operatorname{nim}^{55} \mathrm{za}^{55}$ <br> $\mathrm{di}^{55} \mathrm{ga}^{55}$ | 'rest' |
| $\mathrm{a}^{55} \mathrm{gam}^{55} \mathrm{za}^{55}$ | 'bed (place to sleep)' <br> 'place to rest (place to rest <br> for horses)' |  |  |
| $\operatorname{can}^{31}$ | 'forge (iron)' | $\mathrm{a}^{55} \mathrm{um}^{55} \mathrm{za}^{55}$ | 'anvil (for blacksmith to <br> fashion iron on)' |
| 'pump (water)' | $\operatorname{can}^{31} \mathrm{Za}^{55}$ | 'pump (place to pump water)' |  |

[^18]| VO phrase | V-O compound |  |
| :--- | :--- | :--- |
| $\mathrm{mur}^{31} \mathrm{dza}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{am}^{55}$ <br> grain beat <br> $n_{i}{ }^{31} \mathrm{na}^{31} \mathrm{~s} 1^{33}{ }^{3} \tilde{\mathrm{a}}^{55}$ <br> animal graze | $\mathrm{mul}^{31} \mathrm{dza}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{am}^{55} \mathrm{za}^{55}$ | 'thrashing ground' |
| $\mathrm{ni}^{31} \mathrm{na}^{31} \mathrm{~s}^{33} \mathrm{la}^{55} \mathrm{za}^{55}$ | 'grazing land' |  |

3) $-\mathrm{su}^{55}$ is added to verbs or verb-object phrases to derive agentive nouns.

| Verb |  | Noun |  |
| :--- | :--- | :--- | :--- |
| $\operatorname{tf}^{\mathrm{h}} \varepsilon \mathrm{n}^{33}$ | 'study' | $\mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{\varepsilon}^{33} \mathrm{su}^{55}$ | 'student, apprentice' |
| $s 1^{31} \mathrm{lam}^{55}$ | 'teach' | $\mathrm{sl}^{31} \operatorname{lam}^{55} \mathrm{su}^{55}$ | 'teacher, master' |
| $\mathrm{di}^{31} \mathrm{ban}^{31}$ | 'help' | $\mathrm{di}^{31} \mathrm{ban}^{31} \mathrm{su}^{55}$ | 'assistant' |


| VO phrase | V-O compound |  |
| :---: | :---: | :---: |
| $\mathrm{la}^{31} \mathrm{ma}^{55} \mathrm{ua}^{33}$ | $\mathrm{la}^{31} \mathrm{ma}^{55} \mathrm{ua}^{33} \mathrm{su}^{55}$ | 'farmer' |
| field do |  |  |
| $\operatorname{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{dzu} \mathrm{u}^{33}$ <br> headman sit | $1 \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55} \mathrm{dzux}^{33} \mathrm{su}^{55}$ | 'headman' |

The same verb can take any one of the three suffixes to derive a noun.

| Verb | Noun |  |
| :---: | :---: | :---: |
| cur ${ }^{55} \mathrm{ua}^{31}$ | (firewood + do) cur $^{55} \mathrm{ua}^{31} \mathrm{za}^{55}$ | 'place for gathering firewood' |
| cui ${ }^{55} \mathrm{ua}^{31}$ | (firewood + do) cump ${ }^{55} \mathrm{ua}^{31} \mathrm{su}^{55}$ | 'person who gathers firewood' |
| cuı ${ }^{55} \mathrm{ua}^{31}$ | (firewood + do) $\mathrm{cum}^{55} \mathrm{ua}^{31}{\mathrm{~d} \varepsilon \mathrm{~m}^{55}}^{\text {a }}$ | 'tool for gathering firewood' |

## (4) The Copulas

Like some of the Tibeto-Burman languages, Anong has several forms of the copula verb that occur in different contexts.

1) $a^{31} d a^{55}$ occurs with inanimate and movable objects. Its negative form is $m a^{31} \mathrm{da}^{55}$.

I clothes new one- CLF COP -IND
'I have an article of new clothing.'
Like the other verbs, the copula verb inflects for person and number, shown in the following table.

Table 23: Person and number on the copula $a^{31} \mathrm{dan}^{55}$

|  | Singular | Dual | Plural |
| :---: | :---: | :---: | :---: |
| 1 | $\mathrm{a}^{31} \mathrm{dan}^{55}$ | $\mathrm{a}^{31} \mathrm{da}^{55}{ }^{\text {c }} \varepsilon^{31}$ | $\mathrm{a}^{31} \mathrm{da}^{55} \mathrm{i}^{31}$ |
| 2 | $\eta \mathrm{a}^{31} d \mathrm{a}^{55}$ | $\eta \mathrm{a}^{31} \mathrm{da}^{55} s \varepsilon^{31}$ | $\eta \mathrm{a}^{31} \mathrm{da}^{55} \eta \mathrm{u}^{31} \mathrm{a}^{31}$ |
| 3 | $\mathrm{a}^{31} \mathrm{da}^{55} \varepsilon^{31}$ | $\mathrm{a}^{31} \mathrm{~d} a^{55} \varepsilon^{31}$ | $\mathrm{a}^{31} \mathrm{~d} a^{55} \varepsilon^{31}$ |

2) $0^{55}$ occurs with animate entities, including entities that are considered to be animate by the speakers. Sometimes it is pronounced as no ${ }^{55}$. Its negative form is $\mathrm{mu}^{31} \mathrm{o}^{55}$.
$\begin{array}{llllllll}\mathrm{a}^{31} \mathrm{iunf}^{55} & \mathrm{tch}^{\mathrm{h}} \mathrm{im}^{31} & \mathrm{k}^{\mathrm{h}} \mathrm{a}^{35} & \mathrm{a}^{31} \mathrm{ts} \mathrm{s}^{\mathrm{h}} \mathrm{an}^{31} & \mathrm{p}^{\mathrm{h}} \mathrm{an}^{31}-\mathrm{iop}^{55} & \mathrm{a}^{31} \mathrm{si}^{31} & \eta \mathrm{o}^{55} & -\mathrm{i}^{31} . \\ \text { we } & \text { house } & \text { LOC } & \text { person } & \text { five- CLF } & \text { only } & \text { COP } & 1 \text { PL }\end{array}$ 'There are only five people in our family.'
$\mathrm{a}^{31} \mathrm{num}^{31} \quad \mathrm{ts}^{\mathrm{h}} \mathbf{1}^{55} \quad \mathrm{t}^{\mathrm{h}} \mathrm{mu}^{31} \mathrm{mum}^{31} \quad \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \quad$ nua $^{55} \quad \mathrm{no}^{55} \quad-\varepsilon^{31}$.
Anong nationality river LOC fish COP -IND 'There are fish in the Nu (Anong) River.'

This copula also inflects for person and number. Its inflected forms are similar to those of $a^{31} \mathrm{da}^{55}$.
3) $a^{31} n \varepsilon^{55}$ occurs with abstract nouns and nouns that refer to an entity inside a container. This form of the copula does not seem to inflect for person and number. Its negative form $m u^{31} \varepsilon^{55}$ is also quite unusual. We suspect that the earlier form of this copula may have been $a n^{55}$. Due to its frequent occurrence with the indicative particle $\varepsilon^{55}$, over time it has evolved into the current form as a result of blending.

'There is a key in my pocket.'
4) $\mathrm{io}^{55}$ occurs with nouns denoting entities that are not movable at will. It does not inflect for person and number. Its negative form is $\mathrm{m}^{31} \mathrm{io}^{55}$.
$\mathrm{zl}^{31} \mathrm{Puq}^{55} \quad \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \quad$ cur $^{55} \mathrm{dzwin}^{55} \quad$ io $^{55} \quad-\varepsilon^{31}$
mountain LOC tree COP -IND
'There are trees on the mountain.'

| $\mathrm{mo}^{33} \mathrm{gu}^{33}$ | $\mathrm{sl}^{31} \mathrm{nq}^{55}$ | $\mathrm{ul}^{55} \mathrm{ia}^{31}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$ | $\mathrm{nu}{ }^{31}$ | $\mathrm{io}^{55}$ | $-\varepsilon^{31}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| elephant | nose | long | one | CLF | cOP | -IND |
| 'The elephant has a long nose.' |  |  |  |  |  |  |

5) $\mathrm{d} \varepsilon \mathrm{m}^{55}$ occurs with nouns denoting animal body parts or entities that are not movable at will. It overlaps with the meaning and function of io ${ }^{55}$. In some contexts it is interchangeable with io ${ }^{55}$.

| $k^{\mathrm{h}} \mathrm{a}^{55}$ <br> chicken | $\begin{aligned} & \mathrm{Pa}^{31} \mathrm{xa}^{35} \\ & \text { foot } \end{aligned}$ | $\begin{aligned} & \mathrm{a}^{31} \mathrm{n}_{\mathrm{i}}{ }^{55}-\mathrm{bu}^{55} \\ & \text { two-CLF } \end{aligned}$ | $\begin{aligned} & \mathrm{d} \varepsilon \mathrm{~m}^{55} \\ & \text { COP } \end{aligned}$ | $\begin{aligned} & -\varepsilon^{31} \\ & -\mathrm{IND} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| Po ${ }^{55}$ | $2 a^{31} \mathrm{xa}^{35}$ | b. $1^{53}-\mathrm{bu}^{55}$ | dem ${ }^{55}$ | $-\varepsilon^{31}$, |
| pig | foot | four-CLF | COP | -IND |
| $\mathrm{di}^{55} \mathrm{ba}^{35}$ | $2 a^{31} \mathrm{xa}^{35}$ | $k^{\text {ku }}{ }^{55}-\mathrm{bu}^{55}$ | $\mathrm{d} \varepsilon \mathrm{m}^{55}$ | $-\varepsilon^{31}$. |
| spider | foot | six-ClF | COP | -IND |

'A chicken has two feet, a pig has four feet, and a spider has six feet.'

## (5) Auxiliary Verbs

Auxiliary verbs are a subcategory of verbs. In Chinese grammar, they are referred to as modal verbs. However, in Chinese, modal verbs occur before main verbs. Anong, like other Tibeto-Burman languages, has a set of auxiliary verbs that are similar in meaning to the modal verbs in Chinese. They occur with main verbs to function as the predicate of a sentence. These auxiliary verbs are different from adverbs, since adverbs occur before verbs while auxiliary verbs occur after main verbs. They are not the same as verbs because a verb can be the predicate of a sentence but an auxiliary by itself verb cannot be the predicate of a sentence, except in special contexts. They are similar to verbal suffixes in terms of position and function, but they have specific meanings and can occur alone. So they have both lexical meaning and grammatical function. Therefore, they are half way between a content word and a function word. Some of them are more affix like and some are more verb like. We will discuss several auxiliary verbs with illustrative examples.
(A) $\mathrm{da}^{55}$ 'able/can/may'

The auxiliary verb $\mathrm{da}^{55}$ cannot be the predicate of a sentence alone, but it can be negated. It does not inflect for person and number. It cannot take an object. It can occur alone when used as an answer to a question.
$\mathrm{y}^{31} \quad \mathrm{ba}^{31}{ }_{\mathrm{s}} \mathrm{S}^{31} \quad \varepsilon \mathrm{~m}^{53} \quad \mathrm{da}^{55} \quad-\varepsilon^{31}$.
he very eat able -Ind
'He can eat a lot.'
(B) $\mathrm{zi}^{55} / \mathrm{i}^{33}$ 'dare'

This auxiliary verb can be negated. It can be the predicate of a sentence. It inflects for person and number. And it can occur alone as an answer to a question. But it cannot take an object.

you DEF snake catch 2sG dare -IND $Q$ NEG dare $Q$ ?
'Do you dare to catch a snake or not?'
(C) $\tilde{a}^{55}$ 'want, like'

This auxiliary can be negated and it can be the predicate of a sentence alone. It inflects for person and number. It can stand alone as an answer to a question under certain circumstances, but it cannot take an object.

| $\mathrm{a}^{31} \mathrm{io}^{31}$ | $\mathrm{a}^{55}$ | $\mathrm{nos}^{31} \mathrm{uan}^{31}$ | $\mathrm{ca}^{55}$ | $\mathrm{k}^{\mathrm{h} \mathrm{i}^{55}}$ | $\mathrm{~m}^{31}-$ | $\eta^{55}$ | $\mathrm{a}^{35}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| I | DEF | cow | meat | eat | NEG- | like | 1sG.REFL |

'I don't like eating beef.'
(D) $\mathrm{ua}^{55}$ 'will, consent'

This auxiliary can be negated and it can be the predicate of a sentence alone. It inflects for person and number. It can stand alone as an answer to a question under certain circumstances, but it cannot take an object.
nõ ${ }^{31} \mathrm{ua}^{31} \quad \mathrm{i} \varepsilon^{55} \quad \mathrm{dw}^{31} \quad \mathrm{qu}^{31} \quad \mathrm{lo}^{55} \quad \mathrm{~m}^{31}-\quad \mathrm{uq}^{55} \quad-\mathrm{cw}^{31}$.
cow this CLF DEF return NEG will REFL
'This cow will not go back.'
(E) $\mathrm{so}^{55}$ 'can, understand, know'

This auxiliary verb can be negated and it can be the predicate of a sentence alone. It inflects for person and number. It can stand alone
as an answer to a question under certain circumstances, but it cannot take an object.
$\eta a^{31} a^{55} \quad t^{h} a^{31} \mathrm{ma}^{55} \operatorname{vam}^{55}-\varepsilon^{31} \quad \eta^{31} \quad \mathrm{so}^{55} \quad m \varepsilon^{31} \mathrm{~m}^{31} \quad \eta^{31} \quad \mathrm{so}^{55} \mathrm{~m} \varepsilon^{31}$ ? you def arrow shoot IND 2 sG can Q NEG 2 SG can Q 'Do you know how to shoot an arrow or not?'
(F) $\mathrm{dza}_{1}{ }^{35} / \mathrm{h}^{33}$ 'should'

This auxiliary verb can be negated, but it cannot be the predicate of a sentence. It does not inflect for person and number. It cannot stand alone in answering a question and it cannot take an object. It must occur with the copula $\mathrm{a}^{33} \mathrm{n}^{55}$ to function as the predicate of a sentence.
$\mathrm{n}^{31} \quad \mathrm{a}^{55} \quad \mathrm{n} \varepsilon^{55} \quad \mathrm{ts}^{\mathrm{h}} 1^{31} \quad \mathrm{ay}{ }^{55} \quad \mathrm{dza} \mathrm{l}^{33} \quad \mathrm{a}^{31} \mathrm{n}^{55}$.
He def medicine drink should cop
'He should take the medication.'
(G) $\mathrm{ba}^{31} \mathrm{ua}^{55}$ 'prepare, get ready to, want to'

This auxiliary verb can be negated and it can be the predicate of a sentence alone. It inflects for person and number. It can stand alone as an answer to a question under certain circumstances, but it cannot take an object.
$a^{31}$ io $^{31} \quad a^{55} \quad \mathrm{du}^{31} \mathrm{ya}^{55} \quad \mathrm{ba}^{31} \mathrm{uq}^{55} \quad$ cui $^{35} \quad-\varepsilon^{31}$.
I DEF rest prepare-1sG 1sG.REFL -IND
'I am prepared to rest.'
(H) dzu ${ }^{31}$ 'can (both permission and ability)'

The meaning and function of this auxiliary verb are very similar to those of da ${ }^{55}$. This auxiliary verb can be negated, but it cannot be the predicate of a sentence. It inflects for person and number and can stand alone as an answer to a question in certain contexts. It cannot take an object.
$a^{31} \mathrm{io}^{31} \quad a^{55} \quad d z 1^{55} \quad m^{31} \quad$ dzul ${ }^{31} \quad$ bur $^{55} \quad \tilde{a}^{31}$. I DEF walk NEG can ASP FUT 'I am about to run out of strength to walk.'

### 4.1.6. Adjectives

Adjectives in Anong can be predicates of sentences just like verbs. In addition to the grammatical features they share with verbs, adjectives also have the following characteristics.
(1) The prefix $u a^{55}$ -

The prefix ua ${ }^{55}$ - often occurs with adjectives denoting concepts such as 'big', 'tall, high', 'long', 'wide', 'thick', etc. and the prefix $\mathrm{tci}^{5{ }^{5}} / \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{55}$ frequently occurs with adjectives meaning 'small', 'short', 'low', 'thin', etc. The following are some examples.

| $\mathrm{ua}^{55} \mathrm{dum}{ }^{31}$ | 'big' | $t^{\text {b }} \mathrm{i}^{55} 1 \mathrm{~m}^{55}$ | 'small' |
| :---: | :---: | :---: | :---: |
| $\mathrm{ua}^{55} \mathrm{mar}{ }^{31}$ | 'tall, high' | $\mathrm{tc}^{\text {h }} \mathrm{i}^{55} \mathrm{nim}^{31}$ | 'short, low' |
| $\mathrm{ua}^{55} \mathrm{i}^{31}$ | 'long' | $\mathrm{tc} 5^{55} \mathrm{t}^{\mathrm{h}} \mathrm{my}{ }^{55}$ | 'short' |
| $\mathrm{ua}^{55} \mathrm{ga}^{31}$ | 'wide' | $\mathrm{tcc}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{55}$ | 'narrow' |
| $\mathrm{ua}^{55} \mathrm{lom}^{33}$ | 'thick (bamboo pole)' | $\mathrm{tcc}{ }^{55} \mathrm{~S}_{1} \mathrm{n}^{33}$ | 'thin (bamboo pole)' |

Not all adjectives take those prefixes, and not all adjectives form opposite pairs such as those given above. The prefix $u \mathrm{a}^{55}$ seems to have a higher frequency of occurrence than $\mathrm{tc}^{\mathrm{i}^{55} / \mathrm{t} \mathrm{c}^{\mathrm{h}} \mathrm{i}}{ }^{55}$. We are not sure what the exact meanings are for those prefixes. However, adjectives that do take the prefixes cannot occur without them. Also, adjectives that take those prefixes cannot go through the reduplication process to indicate intensity. In other words, the meanings of such adjectives are similar to the reduplicated adjectives.

Anong has a set of opposite pairs of adjectives created by adding the negative marker to the adjectives.

| xom ${ }^{55}$ | 'crispy' | $\mathrm{m}^{31}$ xom ${ }^{55}$ | 'rubbery (not crispy)' |
| :---: | :---: | :---: | :---: |
| $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{33}$ | 'salty' | $\mathrm{m}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{33}$ | 'bland (not salty)' |
| $\mathrm{a}^{31} \mathrm{n} \varepsilon \mathrm{m}^{55}$ | 'beautiful' | $\mathrm{ma}^{31} \mathrm{n} \varepsilon \mathrm{m}^{55}$ | 'ugly (not beautiful)' |
| $t t^{\text {h }} \mathrm{min}^{55}$ | 'real' | $\mathrm{m}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{ul} \mathrm{l}^{55}$ | 'false (not real)' |
| $\mathrm{sl}^{31} \mathrm{la}^{33}$ | 'good' | $\mathrm{m}^{31} \mathrm{sl}^{31} \mathrm{la}^{33}$ | 'bad (not good)' |
| $\mathrm{t}^{\text {h }} \mathrm{u}^{31}$ | 'sharp' | $\mathrm{m}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{31}$ | 'blunt (not sharp)' |
| numi ${ }^{31}$ | 'deep' | $\mathrm{m}^{31} \mathrm{n}_{\text {ung }}{ }^{31}$ | 'shallow (not deep)' |

## (2) Reduplication

Most of the adjectives in Anong can go through the reduplication process to indicate intensity. It is usually total reduplication though some adjectives display tonal variation when reduplicated, and a small number of adjectives undergo vowel or final change.

| $p^{\text {h }} \mathrm{u}^{55}$ | 'yellow' | $p^{h} u^{55} p^{h} u^{55}$ | 'very yellow' |
| :---: | :---: | :---: | :---: |
| $t_{\text {c }}{ }^{\text {hum }}{ }^{35}$ | 'straight' |  | 'very straight' |
| $\mathrm{ba}^{35}$ | 'thin' | $\mathrm{ba}^{35} \mathrm{ba}^{31}$ | 'very thin' |
| nuı ${ }^{55}$ | 'soft' | пuı ${ }^{55}$ пuı ${ }^{55}$ | 'very soft' |
| dzen ${ }^{55}$ | 'tender' | dzen ${ }^{55}$ dzen ${ }^{55}$ | 'very tender' |


| dza $^{33}$ | 'quick' | $\mathrm{dz1}^{31} \mathrm{dza}^{33}$ | 'very quick' |
| :--- | :--- | :--- | :--- |
| dzum ${ }^{55}$ | 'convex' | dzu $^{33}$ dzum $^{55}$ | 'very convex, bulgy' |

## (3) Comparatives and Superlatives

Although adjectives in Anong do not have comparison markers to differentiate positive, comparative, and superlative degrees, they do take affixes that express degrees of difference in quality or property.
(A) The suffix $t^{h}{ }^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$

The suffix $\operatorname{tc}^{h} \varepsilon n^{31}$ is added to reduplicated adjectives to indicate a slightly lessened degree of change in the quality designated by the adjective. The suffix originates from a lexical item that meant 'son'. It is also used as a diminutive marker.

| xun ${ }^{5}$ | clear (water) | xwun ${ }^{55} \mathrm{xwn}{ }^{31} \mathrm{tc}^{\text {h }} \varepsilon \mathrm{n}^{31}$ | rer' |
| :---: | :---: | :---: | :---: |
| $\mathrm{k}^{\mathrm{h}} . \mathrm{l}^{53}$ | 'sweet' | $\left.\mathrm{k}^{\mathrm{h}} \cdot \square^{53} \mathrm{k}^{\mathrm{h}} \cdot\right\rceil^{53} \mathrm{tc}^{\text {h }}$ 的 ${ }^{31}$ | 'a little sweeter' |
| $)^{5}$ | 'tender (vegetable)' | cui ${ }^{55}$ cun $^{55} \mathrm{tc}^{\text {h }}$ ¢ $\mathrm{n}^{31}$ | 'a litter more ten |
| bum ${ }^{31}$ | 'much' | bum ${ }^{31}$ bumm $^{31}$ tc $^{\text {h }}$ 的 ${ }^{31}$ | a lit |

(B) The prefix $1 \varepsilon^{55}$

The prefix $1 \varepsilon^{55}$ is added to adjectives to mean 'relatively'.

| nan ${ }^{55}$ | 'black' | $l \varepsilon^{55} \mathrm{nan}^{55}$ | 'relatively black' |
| :--- | :--- | :--- | :--- |
| $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55}$ | 'tidy/neat' | $1 \varepsilon^{55} \mathrm{th}^{\mathrm{h}} \mathrm{a}^{55}$ | 'relatively neat/tidy' |
| $\mathrm{s} \mathrm{\varepsilon}^{55}$ | 'new' | $1 \varepsilon^{55} \mathrm{se}^{55}$ | 'relatively new' |
| $\mathrm{n} \varepsilon^{33}$ | 'skinny' | $1 \varepsilon^{55} \mathrm{n} \varepsilon^{33}$ | 'relatively skinny' |

(C) The suffix bum ${ }^{31}$

The suffix bum ${ }^{31}$ is used on adjectives to indicate that the quality or property denoted by the adjective is a bit excessive. The suffix came from the adjective bum ${ }^{31}$ 'much' through the grammaticalization process.

| $\mathrm{t}^{\mathrm{h}} \mathrm{an}^{55}$ | 'thick' | $\mathrm{t}^{\mathrm{h}} \mathrm{aq}^{55} \mathrm{bumm}^{31}$ | 'too thick' |
| :--- | :--- | :--- | :--- |
| $\mathrm{t}^{\mathrm{h}}{ }^{\mathrm{h}} 5^{55}$ | 'bald, bare' | $\mathrm{tG}^{\mathrm{h}}{ }^{\mathrm{h}} \mathrm{a}^{55} \mathrm{bum}^{31}$ | 'too bald, too bare' |
| $\mathrm{a}^{31} \mathrm{l}^{31}$ | 'heavy' | $\mathrm{a}^{31} \mathrm{l}^{31} \mathrm{bum}^{31}$ | 'too heavy' |
| $\mathrm{xum}^{55}$ | 'coarse' | $\mathrm{xu}^{55}$ bum ${ }^{31}$ | 'too coarse' |

(D) Nominalization

Adjectives can be nominalized by the suffix $\mathrm{o}^{55} / \mathrm{o}^{31} / \mathrm{u}^{55} / \mathrm{u}^{31}$ or the prefix $\mathrm{y}^{31} / \mathrm{qn}^{31}$.

|  | Adjective | Noun |  |
| :---: | :---: | :---: | :---: |
| 'pointed' | $\mathrm{a}^{31} \mathrm{ts}^{\text {h }} \mathrm{u}^{55}$ | $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{o}^{55}$ | 'pointedness' |
| 'smooth' | $\mathrm{s}_{1}{ }^{55}$ | $\mathrm{sl}^{55} \mathrm{o}^{55}$ | 'smoothness' |
| 'deep' | num ${ }^{31}$ | num ${ }^{31} \mathrm{u}^{31}$ | 'deepness' |
| 'red' | $\mathrm{bu}{ }^{31} \mathrm{si}^{55}$ | $\mathrm{bu}{ }^{31} \mathrm{si}^{55} \mathrm{u}^{55}$ | 'redness' |
| 'old' | $h^{55}$ | $\mathrm{n}^{31} \mathrm{~h}^{55}$ | 'oldness' |
| 'ripe; cooked' | nin ${ }^{55}$ | Pn ${ }^{31} \mathrm{nin}^{55}$ | 'ripeness; cookedness' |
| 'cold' | dzuy ${ }^{55}$ | $\mathrm{y}^{31}$ dzuy ${ }^{55}$ | 'coldness (water)' |
| 'fat' | $\mathrm{su}^{55}$ | $\mathrm{y}^{31} \mathrm{su}^{55}$ | 'fatness' |

(E) Definite Marker

Adjectives in Anong take one affix or another when occurring in a sentence except when they are used as modifiers. When an adjective functions as a subject or an object, it must be marked by the definite marker $\eta \mathrm{u}^{31} \mathrm{a}^{55}$, in addition to the nominalizer.

| $a^{31} n \tilde{a}^{31}$ | $u^{31}$ | $\eta u^{31} a^{55}$ | $\mathrm{da}^{31} \mathrm{yun}^{35}$, | $\mathrm{a}^{31} \mathrm{l}^{31}$ | $\mathrm{u}^{31}$ | $\eta \mathrm{u}^{31} \mathrm{a}^{55}$ | $l u)^{55}$. |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| soft | NOM | DEF | cotton, | heavy | NOM | DEF | stone |
| 'The light is cotton and the heavy is stone.' |  |  |  |  |  |  |  |

$a^{31} \mathrm{io}^{31} \quad \mathrm{a}^{55} \quad \operatorname{nin}^{55}-\operatorname{nin}^{55} \quad \mathrm{o}^{31} \quad \eta_{\mathrm{u}}{ }^{31} \quad \varepsilon \mathrm{~m}^{53} \quad-\varepsilon^{31}$,
I DEF soft-redup nom def eat -IND
$\eta a^{31} \quad a^{55} \quad k^{h} a^{55}-k^{h} a^{55} \quad o^{31} \quad \eta u^{31} \quad p^{h} u^{31} \quad \varepsilon m^{53}$.
you DEF hard-Redup NOM DEF IMP eat
'I eat the very soft (rice/food), you eat the very hard (rice/food).'
(4) Adjectives $>$ Adverbials

When an adjective is used as an adverbial, it has to be reduplicated and marked by the adverbial suffix $u a^{33} l^{31}$.

| $\mathrm{na}^{31}$ | $\mathrm{ga}^{31}-\mathrm{ga}^{31}$ | $\mathrm{ua}^{33} \mathrm{li}^{31}$ | $\mathrm{p}^{\mathrm{h}} \mathrm{ul}^{31}$ | $\varepsilon \mathrm{~m}^{53}$. |
| :--- | :--- | :--- | :--- | :--- |
| you | full-REDUP | ADV | PRT | eat |

$\mathrm{n}^{31} \quad \mathrm{a}^{31} n \tilde{\mathrm{a}}^{31}-\mathrm{a}^{31} n \tilde{\mathrm{a}}^{31} \quad \mathrm{uq}^{33} \mathrm{li}^{31} \quad \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{Z} \mathrm{m}^{33} \quad-\varepsilon^{31}$.
he light-REDUP ADV speak -IND
'He speaks softly.'

When used as predicates, adjectives behave very much like verbs in terms of grammatical marking through affixation. An adjective can also take the suffix $\mathrm{a}^{31} \mathrm{ni}^{55}$ to indicate that the property has begun an on-going changing process (inchoative).
$\mathrm{a}^{31} \mathrm{mux}^{31} \quad \mathrm{a}^{31} \mathrm{dzau}^{35} \quad \eta \mathrm{qu}^{31} \quad \mathrm{gam}^{55} \quad \mathrm{a}^{31} \mathrm{ni}^{55}$.
Mother sick Def good INCH
'Mother's illness is getting better.'
 this several year def wear nom very beautiful inch 'Clothing [what is worn] has been getting prettier over the last few years.'

### 4.1.7. Adverbs

Adverbs mainly modify the predicate. Anong is relatively rich in adverbs. These adverbs may basically be separated into the following kinds.
(1) Degree Adverbs

| $\eta \mathrm{a}^{31}$ | 'very' |
| :---: | :---: |
| $\mathrm{a}^{31} \mathrm{du}^{35} \mathrm{t}^{\text {h }}{ }^{31}$ | 'relatively' |
| $\mathrm{ba}^{31} \mathrm{~s} \mathrm{l}^{31}$ | 'very, specially, further more' |
| $\mathrm{a}^{31} \mathrm{k}^{\text {h }} \mathrm{m}^{55}$ | 'extremely' (Lisu borrowing) |
| $\varepsilon^{31} \mathrm{si}^{55}$ | 'only' |

(2) Scope Adverbs

| $\mathrm{gu}^{55}$ | 'also' |
| :---: | :---: |
| $\mathrm{a}^{31} \mathrm{p}^{\text {hi }}{ }^{55}$ | 'also, again' |
| $\mathrm{da}^{31} \mathrm{~d}^{31} \mathrm{dan}^{55}$ |  |
| $\mathrm{da}^{31} \mathrm{si}^{55}$ | 'together' |

(3) Temporal Adverbs

| $i^{\text {i }}{ }^{55} \mathrm{san}^{55} \mathrm{nul}^{31}$ | 'now' |
| :---: | :---: |
| $\mathrm{ba}^{55} \mathrm{su}^{31}$ | 'first' |
| $2 \mathrm{i}^{55} \mathrm{ian}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{c}^{55}$ | 'last' |
| $\mathrm{ib}^{31} \mathrm{p}^{\text {ha }} \mathrm{n}^{55}$ | 'later' |
| $\mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{~m} \varepsilon^{53}$ | 'already' |
| $m a^{55} \mathrm{su}^{33} \mathrm{ua}^{33} \mathrm{su}^{55}$ | 'previously' |
| $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{sua}^{31} \mathrm{i}^{\text {55 }}$ | 'suddenly' |

(4) Modal Adverbs

| $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{lu}^{55}$ | 'approximately' |
| :--- | :--- |
| $\mathrm{l}^{55} \mathrm{~m}^{31} \mathrm{za}^{55}$ | 'maybe' |
| $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{di}^{55} \mathrm{gux}^{31}$ | 'certainly' |
| $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{lu}^{55} \mathrm{i} \varepsilon^{33}$ | 'more or less' |

(5) Manner Adverbs
$\mathrm{a}^{31} \mathrm{ian}^{35} \mathrm{si}^{31}$
$\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ma}^{55} \mathrm{uq}^{33}$
$\mathrm{sl}^{31} \mathrm{la}^{55} \mathrm{n}^{\varepsilon \mathrm{m}^{55}} \mathrm{ua}^{31} \mathrm{li}^{31}$
$\mathrm{du}{ }^{31} \mathrm{dzan}^{31}$
'slowly'
$\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ma}^{55} \mathrm{ua}^{33} \quad$ 'quietly'
(6) Onomatopoeia
$\mathrm{xua}^{31} \mathrm{xua}^{31} \mathrm{uq}^{55} \quad$ 'sound of running water'
$\mathrm{m} \varepsilon^{55} \mathrm{~m}^{55} \mathrm{ua}^{31} \quad$ 'cry of a goat'
sua $^{31}$ șua $^{31} \mathrm{ua}^{55} \quad$ 'sound of falling leaves'
$\mathrm{do}^{31} \mathrm{lo}^{31} \mathrm{do}^{31} \mathrm{lo}^{31} \mathrm{uq}^{55} \quad$ 'sound of flowing mud'
(7) Conjunctive Adverbs
$1 \varepsilon^{31} \operatorname{xuq}^{55} \ldots l \varepsilon^{31} \operatorname{xua}^{55} \ldots \quad$ 'the more...the more...'
$l \varepsilon^{31} \$ 1^{55} \ldots l \varepsilon^{31} \$ 1^{55} \ldots \quad$ at the same time ${ }^{7}$
$m a^{31} \mathrm{na}^{31} \ldots \mathrm{ma}^{31} \mathrm{na}^{31} \ldots \quad$ 'simultaneously'8 ('He eats while he runs.')
$\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \tilde{\mathrm{a}}^{31} \ldots \mathrm{gu}{ }^{31} \ldots$
'as soon as'

## (8) Negatives

$\begin{array}{ll}\mathrm{m}^{31} & \text { 'not' } \\ \mathrm{t}^{\text {' }} \mathrm{a}^{31} & \text { 'don't' }\end{array}$

The above examples illustrate various types of adverbs in Anong. It should be pointed out that those adverbs have different characteristics. For instance, the temporal adverbs have a flexible word order. They can occur before the verb or before the object. Sometimes, they can

[^19]even occur before the subject. Manner and onomatopoeic adverbs are similar in usage, but they differ in origin. Manner adverbs come from adjectives while onomatopoeic adverbs originate in sound imitation. The adverbial marker on the former is optional but it is compulsory on the latter. Conjunctive adverbs can be adverbs or conjunctions. They can be used to connect lexical items, phrases, or sentences to create a tightly knit unit.

Adverbs have the following characteristics when occurring in a sentence.

## (9) Reduplication

They can go through the reduplication process to indicate intensity.
$\mathrm{d} \varepsilon^{55} \mathrm{~S}_{1}{ }^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \quad \mathrm{a}^{31} \quad \mathrm{da}^{31} \mathrm{dan}^{55}-\mathrm{da}^{31} \mathrm{dan}^{55} \quad \mathrm{a}^{31} \mathrm{do}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{mi}^{31} \mathrm{li}^{31} \mathrm{a}^{31} \mathrm{gul}^{55} \mathrm{i}^{31}$. tonight DEF all-redup gather CONJ meet 1PL 'Tonight we all gather together to have a meeting.'

## (10) Adverb Placement

Most of the adverbs used as adverbials in a sentence occur before the predicate verb, though a few can occur after the verb.

| $\mathrm{a}^{31} \mathrm{io}^{31}$ |  | $1 a^{55}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$ | io? ${ }^{55} \quad \varepsilon^{31} \mathrm{si}^{55}$ | no ${ }^{55}$ | $-\varepsilon^{31}$. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| I | child | DEF | one | CLF only | have | -IND |
| 'I have only one child.' |  |  |  |  |  |  |
| $\eta \mathrm{a}^{31}$ | $\mathrm{a}^{55} \quad \mathrm{~d}$ | $\mathrm{dza}^{31} \mathrm{dza}^{31}$ | $p^{\text {h }}{ }^{31}$ | $\mathrm{g} \varepsilon^{55} \mathrm{dz} 1^{53}$ | $-\varepsilon^{31}$ | do ${ }^{55}$. |
| You | DEF q | quick-REDUP | IMP | go | -IND | first |
| 'You go first quickly.' |  |  |  |  |  |  |

### 4.1.8. Particles

Anong is rich in particles that mark various grammatical relations. We have already discussed the plural particles on nouns, approximative particles on numerals, and adverbial particles on manner adverbs. Here we will discuss particles that mark grammatical relations in sentences.

All of these particles are postpositional in Anong. Their grammatical functions are similar to the prepositions in Chinese though they are postpositions in Anong. Based on their grammatical functions, we can divide them into possessive particles, agentive particles, object particles, instrumental particles, temporal particles, locative particles, ablative particles, comparative particles, comitative particles, and definite particles. They are illustrated as follows.
(1) Possessive Particles

Possessive particles occur with nouns and pronouns that function as attributives to indicate definiteness and possession. Anong has two possessive particles $n i^{55}$ and $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$. The former tends to occur with nouns while the latter tends to occur with pronouns. They are usually used to indicate the grammatical relation of possession, and in most cases they are optional.

| $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dza}^{55} \mathrm{ma}^{31}$ <br> older.brother 'older brother's child' | $\mathrm{ni}^{55}$ | $t 6^{\text {h }} \varepsilon \mathrm{n}^{31}$ |
| :---: | :---: | :---: |
|  | poss | child |
|  |  |  |
| $\mathrm{a}^{31} \mathrm{mu}{ }^{31}$ | ni ${ }^{55}$ | $\mathrm{a}^{31} \mathrm{ni,}^{55}$ |
| mother | poss | hair |
| 'mother's hair' |  |  |
| $\mathrm{n}^{31}$ num ${ }^{55}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | $\mathrm{tc}^{\text {h }} \mathrm{im}^{31}$ |
| they | poss | house |
| 'their house' |  |  |
|  | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | $S^{5}{ }^{55} \mathrm{va}^{31}$ |
| 2DU | poss | book |
| 'you (dual) book' |  |  |

The tendency for $\mathrm{ni}^{55}$ to occur after nouns and for $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ to occur after pronouns is only a tendency; the two are often used interchangeably. Further, the possessive particle is usually optional; however, when the possessee is left out, the possessive particle is obligatory, which is shown by the following example.

| n ¢m ${ }^{31} \mathrm{dzan}{ }^{31} \mathrm{~d}^{\text {d }}{ }^{55}$ | $\eta \mathrm{u}^{31}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}{ }_{\text {io }}{ }^{55}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{c}^{31}$ | ? |
| :---: | :---: | :---: | :---: | :---: |
| wrist watch | DEF | who | poss | COP |
| Whose wrist watch |  |  |  |  |

$\mathrm{Sl}^{31} \mathrm{lam}^{55} \mathrm{su}^{55} \quad \mathrm{ni}^{55} \quad \mathrm{i} \varepsilon^{33}$.
teacher poss COP
'It is the teacher's.'
(2) The agentive Postposition

Anong has a single agentive postposition marking the noun as the causer.

| $\mathrm{a}^{31} \mathrm{mur}^{31}$ | $\mathrm{mi}^{53}$ | $\mathrm{di}^{31} \mathrm{k}^{\text {lri }}{ }^{31}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ | $\mathrm{ya}^{33}$ | $\mathrm{a}^{31} \mathrm{ba}^{55}$. |
| :--- | :--- | :--- | :--- | :--- | :--- |
| mother | AGT | bowl | break | fall | go |

'Mother broke the bowl.'

| $\mathrm{y}^{31}$ | $\mathrm{mi}^{53}$ | $\mathrm{d} \varepsilon^{31} \mathrm{~g} .1{ }^{55}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | $\mathrm{a}^{31} \mathrm{n} \varepsilon^{33}$ | $\mathrm{u}^{31} \mathrm{li}^{31}$ | S1 ${ }^{31}$ | $\mathrm{d} \not \varepsilon^{31}$. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| he | Agt | dog | овJ | beat | CONJ | die | ASP |
| 'He has beaten the dog to death.' |  |  |  |  |  |  |  |

The agentive particle is not always required in a causative sentence. However, there are a couple of contexts in which the agentive particle must be used. First, when the predicate verb is transitive, the agentive particle is obligatory, as is shown in the two examples above since both the verb 'break' and 'beat' are used transitively. Second, when the causer cannot be identified, the agentive particle is compulsory.
$\mathrm{y}^{31} \quad \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \quad \mathrm{~m}^{31}-\quad \operatorname{sur}^{31} \mathrm{la}^{55} \quad-\mathrm{o}^{55} \quad \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31} \quad \mathrm{mi}^{55} \quad \operatorname{san}^{55} \quad \mathrm{a}^{31} \mathrm{ba}^{35}$.
He obj neg- good -nom person agt kill go
'A bad person killed him.'

This is not a passive sentence; the syntax is quite typical of active sentences in many Tibeto-Burman languages. In addition, the word order does not affect the interpretation of who the actor is and who the undergoer is. It is worth noting that one difference between the two sentences above is that in the first sentence, the agentive can be omitted while in the second sentence, it cannot be omitted.

## (3) Object Postpositions

There are two object postpositions in Anong, namely, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ and $\mathrm{ba}^{31}$. The particle $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ has three functions. First, it occurs on objects, ${ }^{9}$ which is its main function. Second, it occurs on location nouns to indicate the location of the action or activity. Third, it occurs on names of containers to show that the action or activity is carried out with the container as an instrument.
(A) The Particle $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$

The particle $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ does not occur on all objects, only on affected objects.

[^20]| $\mathrm{a}^{31} \mathrm{io}^{31}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{nay}^{55}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | S9 ${ }^{55} \mathrm{va}^{31}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$ | puis ${ }^{55}$ | dzin ${ }^{55}$. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| I | younger.brother | овJ | book | one | CLF | give.1sG | 'I gave a book to younger brother.'

It also occurs on objects that are directly affected by the action or activity denoted by the verb.

| $\eta \mathrm{a}^{31}$ | $\mathrm{n}^{31}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | $\mathrm{a}^{31} \mathrm{mu}{ }^{31}$ | dzen ${ }^{55}$ |  | dum ${ }^{31} \mathrm{gu}^{53}$ | $\mathrm{o}^{31}$. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| you | he | овJ | othes | wash |  | help | IMP |
| 'You help him wash clothes.' |  |  |  |  |  |  |  |
| $\mathrm{a}^{31} \mathrm{ian}{ }^{31}$ | i $\varepsilon^{55}$ | $\mathrm{mu}^{53}$ | $\mathrm{a}^{31}$ | $\eta \mathrm{a}^{31}$ | $k^{\text {h }} \mathrm{a}^{31}$ | $1{ }^{1}$ dzin ${ }^{55}$ | $-\varepsilon^{31}$. |
| tobacco | this | some | DEF | you | OBJ | send | -IND |
| 'This tobacco is for you.' |  |  |  |  |  |  |  |

Except in the above two instances, the particle $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ can be omitted.

1) $k^{h} a^{31}$ also occurs on nouns of places and locations.

| $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{55} \min ^{31}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | $\mathrm{ba}^{31} \mathrm{~s} \mathrm{l}^{31}$ | $\mathrm{t}^{\text {h }} \mathrm{i}^{31} \mathrm{Immm}^{33}$ | $-\varepsilon^{31}$. |
| :---: | :---: | :---: | :---: | :---: |
| Kunming | LOC | very | far | -IND |

'Kunming is very far.'
2) $k^{h} a^{31}$ occurs on names of containers to indicate that the action or activity is carried out using the container as an instrument.

| $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{l}^{31}$ | $\mathrm{ts}^{\mathrm{h}} \mathrm{q}^{55}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | $\mathrm{Sa}^{55} \mathrm{Ia}^{55} \mathrm{uq}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31}$ | $\mathrm{dus}^{31} \mathrm{gom}^{55}$ | $-\varepsilon^{31}$. |
| :--- | :--- | :--- | :--- | :--- | :--- |
| grandma | bag | OBJ | flour | hold | -IND |
| 'Grandma holds flour with a bag.' |  |  |  |  |  |

Anong has another object marker $\mathrm{ba}^{31}$, which has basically the same functions as $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$. The two markers can often be used interchangeably. However, $\mathrm{ba}^{31}$ is rarely used to mark indirect objects.

| na <br> 31 | $\mathrm{a}^{31} \mathrm{dan}^{55}$ | $\mathrm{ba}^{31}$ | $\mathrm{~g} \mathrm{n}^{31}$ | $\mathrm{o}^{31}$. |
| :--- | :--- | :--- | :--- | :--- |
| you everybody | OBJ | speak | IMP |  |
| 'You speak to everybody.' |  |  |  |  |

 Mùgǔjiǎ mountain OBJ often snow fall IND 'It often snows on Mùgǔjiǎ mountain.'
(4) Instrumental

The instrumental postposition in Anong is $\mathrm{mi}^{55}$. Like in other TibetoBurman languages, the instrumental postposition is the same as the agentive postposition. At this point, it is hard to determine whether the two are homophonous or polysemous.

| $\mathrm{n}^{31}$ | $\mathrm{va}^{55}$ | $\mathrm{mi}^{55}$ | $\mathrm{cwur}^{55}$ | $\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i} \mathrm{i}^{31}$ | $\varepsilon^{31}$. |
| :--- | :--- | :--- | :--- | :--- | :--- |
| he | ax | INSTR | firewood | chop | IND | 'He is chopping firewood with an ax.'

$\mathrm{n}^{31} \quad$ bunn $^{31} \quad \mathrm{mi}^{55} \quad$ nua $^{55} \quad \mathrm{a}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{un}^{33} \quad \varepsilon^{31}$.
he hook INSTR fish (to)fish IND
'He is fishing with a hook.'

## (5) Temporal

Anong has a temporal particle $t^{h} \mathrm{a}^{35}$ that occurs with temporal expressions to indicate that the activity took place at the time designated by the temporal expression.

| $\mathrm{a}^{31} \mathrm{io}^{31}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}-\mathrm{ts}^{\mathrm{h}} \mathrm{ci}^{55}$ | $\mathrm{a}^{31} \mathrm{nim}^{\text {5 }}$ |  | $\mathrm{S}^{31} \mathrm{la}^{55}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$ | $\mathrm{ni} \mathrm{i}^{31}$ | $t^{\text {h }} \mathrm{a}^{35}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| I | one-ten | two |  | month | one | day | TEMP |
| mo ${ }^{31}$ gun | dzan ${ }^{31}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | $\left.t^{\text {h }} \mathrm{m}\right)^{55}$ | buis ${ }^{55}$ | $-\varepsilon^{31}$. |  |  |
| Mùgǔjiǎ |  | ObJ | arrive | ASP | -IND |  |  |
| 'I will arrive at Mùgǔjiǎ on December first.' |  |  |  |  |  |  |  |


| $\mathrm{n}^{31}$ |  |
| :---: | :---: |
|  |  | he one ten eight age TEMP soldier do ASP -IND 'He enlisted at the age of eighteen.'

(6) Locative Postpositions

Locative postpositions are somewhat like directional particles. They cannot occur alone. They attach to nouns and pronouns to mark the location for the action or activity. As is discussed earlier, some of the grammatical markers mark location in addition to marking other grammatical relations. Here we will discuss several particles that only mark locations.
(A) duy ${ }^{55} /$ dun $^{55} \mathrm{kha}^{31}$ 'inside'

| $\mathrm{d}_{7} \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{55}$ | duy ${ }^{55} \mathrm{k}^{\text {h }} \mathrm{a}^{31}$ | $\mathrm{bux}^{55} \mathrm{dza}{ }^{31}$ | tss ${ }^{\text {h }}{ }^{55}$ | $\mathrm{a}^{31} \mathrm{n} \varepsilon^{55}$. |
| :---: | :---: | :---: | :---: | :---: |
| wok | inside-Loc | rice | still | have |
| 'There is still rice in the wok.' |  |  |  |  |

(B) $t^{\mathrm{h}} \mathrm{ar}^{55}$ 'on top of'

This particle came from the directional expression $\mathrm{ga}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55}$ through grammaticalization which resulted in the reduction of the prefix to $\left.t^{h} a\right)^{55}$.
$\mathrm{t} \mathrm{c}^{55} \mathrm{ts}^{31} \quad \mathrm{t}^{\mathrm{h}} \mathrm{an}{ }^{55} \quad \mathrm{a}^{31} \quad \mathrm{~S} 1^{55} \mathrm{va}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \quad \mathrm{t}^{\mathrm{h}} \mathrm{am}^{55} \quad \mathrm{a}^{31} \mathrm{n}^{55}$. table on.top.of DEF book one CLF have 'There is a book on the table.'
(C) $\mathrm{p}^{\mathrm{h}} \mathrm{an}^{55}$ 'down, below'

This particle came from the directional expression $\mathrm{ga}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{ar}^{33}$ which lost the prefix $\mathrm{ga}^{31}$ through grammaticalization.
$\left.m u^{31} \operatorname{guy}^{55} \quad \mathrm{p}^{\mathrm{h}} \mathrm{ay}\right)^{33} \quad \mathrm{a}^{55} \quad \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \quad \mathrm{t}^{\mathrm{h} \mathrm{i}^{55}} \quad \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \quad \mathrm{io}^{55} \quad-\varepsilon^{31}$. slope below DEF house one house have -IND 'There is a household at the foot of the mountain.'
(D) $\mathrm{sa}^{31}$ 'by the side of; beside'
 river beside fish fish NOM one CLF have -IND 'There is someone fishing by the river.'

## (7) The Ablative Postposition

The ablative particle is actually a location particle. The ablative particle in Anong is $\mathrm{k}^{\mathrm{h}} \mathrm{ur}^{31} \mathrm{ne}^{55}$ or ne ${ }^{55}$, which occurs with nouns or pronouns to indicate the location from where the action or activity originates.
 vegetable.garden inside ABL chicken two CLF run DIR 'Two chickens ran out of the vegetable garden.'
$k^{h}{ }^{\mathrm{on}}{ }^{55} \min ^{31} \quad \mathrm{k}^{\mathrm{h}} \mathrm{wn}^{31} \mathrm{ne}^{55} \quad \mathrm{lo}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{35} \quad \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \quad \mathrm{a}^{31} \operatorname{som}^{53}-\mathrm{ni}_{\mathrm{i}} \mathrm{i}^{33} \quad \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31} \mathrm{a}^{31} n \varepsilon^{55}$. Kunming abl Liùkù LOC three-day road COP 'It takes three days to get to Liùkù from Kunming.'

## (8) The Comparative

The comparative $t^{h} \mathrm{ay}^{55} \mathrm{a}^{31}$ occurs with nouns or pronouns to mark the standard to which something is being compared.


```
stick that CLF DEF COMP this CLF DEF thin -IND
'This stick is thinner than that stick.'
```


this ClF DEF COMP that CLF DEF big -IND 'That room is bigger than this room.'

## (9) The Conjunctive Particle 'Including'

Anong has two conjunctive particles: $\eta \varepsilon^{31} \eta a \eta^{55}$ and $\mathrm{ta}^{55} \mathrm{ti}^{55}$. Their functions and meanings are more or less the same.
$\mathrm{a}^{31} \mathrm{io}^{31} \quad \eta \varepsilon^{31} \eta \mathrm{q}^{55} \quad \mathrm{a}^{55} \quad \mathrm{p}^{\mathrm{h}} \mathrm{al}^{31}-$ io $^{55} \quad \mathrm{is}^{31}$.
I CONJ DEF five-CLF COP
'There are five people including me.'

he older sister DEF CONJ woman three-CLF COP 'There are three women including his older sister.'
(10) The Comitative $z a y^{31}$ 'together with'
$\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{ni}^{31} \quad \mathrm{a}^{31} \mathrm{io}^{31} \quad \mathrm{gul}^{31} \quad \eta \varepsilon^{31} \eta \mathrm{qu}^{55} \quad \mathrm{zan}^{31} \quad \mathrm{mu}^{31} \mathrm{gun}^{55}$
tomorrow I also you.PL COM mountain
$\mathrm{ba}^{31} \mathrm{ta}^{31} \mathrm{si}^{55} \quad$ curn $^{55} \quad \mathrm{uq}^{33} \quad \mathrm{a}^{31} \mathrm{dan}^{55}$.
LOC together firewood do DIR
'Tomorrow I will go to the mountain to get firewood with you.'

## (11) Definite Particles

Definite particles occur with nouns, pronouns, or forms that function like nouns or pronouns to indicate definiteness. Sometimes it marks the topic of an utterance.

There are two definite particles in Anong: $\eta u^{31} / \eta \omega^{55}$ and $a^{55} / a^{31}$. The variation in tone is conditioned by the tone of the last syllable of the word it attaches to. If that syllable carries a high tone (55), then the definite particle occurs with a mid falling tone (31). If that syllable carries a mid level tone (33) or mid falling tone (31), then the definite particle occurs with a high level tone (55). Sometimes the two definite particles occur together with $\eta \mathrm{w}^{31}$ before $\mathrm{a}^{55}$. The definite particles have a very high frequency of occurrence. They can also occur after other particles and affixes.

| $\mathrm{a}^{31} \mathrm{io}^{31}$ | $\mathrm{a}^{55}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{OV}^{55} \mathrm{~min}^{31}$ | $\left.k^{h} w\right)^{31}{ }^{\text {n }}{ }^{55}$ | $\mathrm{dz})^{55} \mathrm{imu}{ }^{55}$ | $\mathrm{a}^{3}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| I | DEF | Kunming | ABL | come | PS |
| 'I came | from | unming.' |  |  |  |

```
\(\eta a^{31} \quad \eta a^{31} \mathrm{dzau}^{35} \quad \eta \mathrm{u}^{31} \quad \mathrm{gam}^{55} \quad \mathrm{dze}{ }^{55} \quad m \varepsilon^{55}\) ?
you sick DEF good ASP Q
'Are you recovered from your illness?'
```

| $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dza}^{55} \mathrm{ma}^{31}$ | $\mathrm{ven}^{35}$ | $\mathrm{qu}^{31} \mathrm{a}^{31}$ | $\operatorname{cumy}^{55} \mathrm{ven}^{55}$ | $\mathrm{ga}^{31} \mathrm{mu}^{31}$ | $\mathrm{i}^{33}$. |
| :--- | :--- | :--- | :--- | :--- | :--- |
| older brother | buy | DEF | flower | clothes | COP |

'What older brother bought was flowery clothing.' ${ }^{10}$

## (12) Adverbial Particles

Adverbial particles are like the 地 -de '-ly' in Chinese. They are used to derive adverbs or adverb constructions which occur as adverbials in a sentence. Anong has a number of adverbial particles. The most frequently used ones are $\mathrm{li}^{31}, \mathrm{~S}^{31}$, and $u \mathrm{a}^{33}$. Sometimes $\mathrm{ua}^{33}$ and $\mathrm{li}^{31}$ can occur on the same expression in that order.

```
\(\mathrm{y}^{31} \mathrm{Sl}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \quad \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ri}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{n}_{\mathrm{i}}{ }^{33} \quad \mathrm{li}^{31} \quad \mathrm{a}^{31} \mathrm{ba}^{55}\).
time one.day.one.day ADV go
'Time went by day by day.'
```

| $\mathrm{y}^{31}$ | $\mathrm{~m}^{31} \mathrm{sl}^{31} \mathrm{yu}^{31}-\mathrm{m}^{31} \mathrm{~s} 1^{31} \mathrm{yu}^{31}$ | $\mathrm{li}^{31}$ | $\mathrm{p}^{\mathrm{h}} \mathrm{I} \mathrm{I}^{33}$ | $\mathrm{a}^{31} \mathrm{su}^{35}$ | $\mathrm{a}^{31} \mathrm{da}^{55}$. |
| :--- | :--- | :--- | :--- | :--- | :--- |
| he | speak-REDUP |  |  |  |  |

'As he is speaking, his tears started to fall.'
$\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ma}^{55} \quad \mathrm{a}^{31} \mathrm{ia}^{35}-\mathrm{a}^{31} \mathrm{a}^{35} \quad \$ 1^{31} \quad \mathrm{ta}^{53} \quad \mathrm{a}^{31} \mathrm{ni}^{55}$.
child slow-REDUP ADV big INCH
'The child got up slowly.'
 elderly.woman AGT clothes def clean-redup adv wash -IND asp 'The elder woman has washed the clothes very clean.'

### 4.1.9. Conjunctions

Anong is not rich in conjunctions. There are two kinds of conjunctions in Anong that occur with words and phrases, and sentences. Here we will discuss conjunctions that occur with words and phrases. The

[^21]coordinate conjunction for compound sentences will be discussed in the syntax section.

The coordinate conjunction for words and phrases is $\mathrm{si}^{55}$ 'and'.
$\mathrm{a}^{31} \mathrm{hin}^{35} \quad \mathrm{si}^{55} \quad \mathrm{a}^{31}$ sur ${ }^{55}$
bowl and chopstick
'bowl and chopsticks'

| $\varepsilon \mathrm{m}^{53}$ | d $\varepsilon \mathrm{m}^{55}$ | $\mathrm{si}^{55}$ | $a)^{53}$ | $\mathrm{d} \varepsilon \mathrm{m}^{55}$ |
| :---: | :---: | :---: | :---: | :---: |
| eat | NOM | and | drink | NOM |
|  | beverag |  |  |  |

$\mathfrak{y}^{31} \quad \operatorname{v\varepsilon n}{ }^{35} \quad \mathrm{~d} \not \varepsilon^{55} \quad \eta \mathrm{Ul}^{31} \mathrm{a}^{31} \quad \mathrm{si}^{55} \quad \mathrm{a}^{31} \mathrm{io}^{31} \quad \operatorname{ven}{ }^{35} \quad \mathrm{~d} 7 \tilde{\varepsilon}^{55} \tilde{\varepsilon}^{31}$
he buy ASP DEF and I buy ASP.1sG
$\eta \mathrm{um}^{31} \quad \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{t}_{6} \mathrm{~h}^{\mathrm{h}} \mathrm{o}^{55} \quad \mathrm{a}^{31} \quad \mathrm{~m}^{31} \quad-\mathrm{zl}^{33}$.
DEF same-REDUP DEF NEG COP
'What he bought and what I bought are not the same.' ${ }^{\text {'1 }}$
Another conjunction is $m \varepsilon^{33}$ 'or', which is not as frequently used as $\mathrm{si}^{55}$. This is an alternative conjunction that can also occur with sentences.

| $\mathrm{a}^{31} \mathrm{ni}^{35}$ | $\mathrm{dz} 1^{31}$ | $\varepsilon^{31} \mathrm{bi}^{55}$ | $\mathrm{~m} \varepsilon^{33}$ | $\mathrm{di}^{31} \mathrm{ga}^{55}$ | $\mathrm{i}^{31}$ | $\mathrm{~m} \varepsilon^{53}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| we | walk | DIR | or | rest | 1 PL | Q |

'Do we walk or rest?'

### 4.1.10. Mood Particles

Anong is rich in mood particles. When the elders tell stories, they use many mood particles. Mood particles also have a high frequency of occurrence in daily conversations. They usually occur at the end of utterances to mark questions, warnings, requests, estimation, rhetorical questions, etc.
(1) The Interrogative Particle $m \varepsilon^{53}$

| $\mathrm{i}^{55}$ | $\mathrm{ts}^{\mathrm{h}} 1^{35}$ | $\eta \mathrm{Uu}^{31} \mathrm{a}^{31}$ | $\eta \mathrm{a}^{31}$ | $\mathrm{a}^{55}$ | $\mathrm{~m}^{31}$ | $\mathrm{so}^{55}$ | $\mathrm{o}^{31}$ | $\mathrm{me}^{53} ?$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| this | CLF | DEF | you | DEF | NEG | know | IMP.SG | Q |

'Didn't you know about this matter?'

[^22]$\eta \mathrm{a}^{31} \quad \mathrm{a}^{55} \quad \mathrm{a}^{31}$ nun $^{31} \mathrm{ts}^{\mathrm{h}}{ }^{\text {² }}{ }^{55} \quad \eta \mathrm{Ul}^{31} \quad \mathrm{i} \varepsilon^{55} \quad \mathrm{~m} \varepsilon^{53}$ ?
you DEF Anong nationality 2sG COP $Q$
'Are you an Anong?'
(2) The Exhortative Particle la ${ }^{35}$

The exhortative particle is used to express warning, urging, and the like.
$\mathrm{dum}^{31} \mathrm{ba}^{31} \quad \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \quad \mathrm{me}^{31} \mathrm{gu}^{55} \quad \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35} \quad \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \quad \mathrm{dza} \mathrm{a}^{55} \quad \mathrm{~S}^{31} \quad \mathrm{la}^{35}$
bridge LOC cross TEMP IMP careful REFL EXH
'Be careful when crossing the bridge.'
 you DEF well illness DEF cure REFL EXH 'You get your illness cured.'
(3) The Rhetorical Particle $d a^{53}$

The rhetorical particle, as one would expect, is used when the person asking the question already knows the answer to the question.
$\left.\eta a^{31} \quad a^{55} \quad a^{31} p^{h} i^{55} \quad t^{h^{25}} i^{55} \quad d z a\right)^{31} \quad \eta \mathrm{u}^{31} \quad d z 1^{31} \quad a^{31} i^{55} \quad d a^{53} ?$
you DEF again one time 2SG walk DIR RQ
'You came again?'
$\mathrm{mu}^{55} \mathrm{gu}^{31} \mathrm{ts}^{\mathrm{h}}{ }^{31} \mathrm{~m}^{31}-\mathrm{dum}^{55}-\varepsilon^{31} . \eta^{31} \mathrm{a}^{55}$ nim ${ }^{55} \quad \mathrm{bu}{ }^{55}-\varepsilon^{31} \quad \mathrm{da}^{53} ?$ sky also still NEG- dark -IND. You def sleep ASP -IND RQ 'It is not dark yet. Are you going to bed already?'

## (4) Countering Questions

The particle $l^{53}$ is used to mark questions in situations such as below when the speaker first makes a statement and then asks a question about it. The question has $\mathrm{le}^{53}$ tagged on the end. ${ }^{12}$

| $\mathrm{a}^{31} \mathrm{io}^{31}$ | $\mathrm{a}^{55}$ | dzan ${ }^{55}$ | $\mathrm{a}^{31} \mathrm{~d}$ zun) ${ }^{55}$ | $-\varepsilon^{31}$. | $\eta \mathrm{a}^{31}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Def | look | ASP 1sG. | -IND | You |  |

'I have seen it. What about you?'
$\eta^{31}$ nuı $^{55} \quad \mathrm{a}^{31} 1 \varepsilon^{33} \quad \mathrm{gux}^{31} \quad \mathrm{~m}^{31} \quad \mathrm{so}^{53} . \quad \eta \varepsilon^{31}$ 凤ün $^{55} \quad \mathrm{le}^{53}$ ? they little also NEG understand. You.PL Q 'They don't understand at all. What about you?'

[^23](5) The Supplicative Particle lie ${ }^{31}$

The supplicative particle $\mathrm{li}^{31}$ is sometimes used to mark supplicative requests, requests in which one is not sure that the request will be granted.
$\begin{array}{llllllllll}\eta^{31} & \mathrm{ga}^{31} \mathrm{mus}^{31} & \mathrm{i} \varepsilon^{33} & \mathrm{t}^{\mathrm{h}} \mathrm{am}^{55} & \eta \mathrm{~m}^{31} & \eta^{31} & \mathrm{la}^{55} & \mathrm{~d} z \varepsilon \mathrm{n}^{55} & \mathrm{o}^{31} & l^{31} e^{31}\end{array}$ you clothes this CLF DEF he SUP wash IMP SUP 'Please let him wash this article of clothing of yours.'

### 4.1.11. Interjections

Interjections are independent elements that are outside the syntactic structure of a sentence. They usually occur utterance initially, though some occasionally occur inside a sentence. They are used to convey various emotions.

Anong is very rich in interjections, which are often used with facial expressions and jestures to add expressiveness. Based on their functions, such as showing surprise, sighing, prompting, and responding, we can divide interjections into a number of categories which are discussed below.
(1) The Prompting Interjections

The prompting interjections $\mathrm{Po}^{55}$ or $\mathrm{na}^{53}$ occur utterance initially to get the listener's attention. They are often reduplicated.
$30^{55}!\mathrm{PO}^{55}!\quad 4 \mathrm{u}^{53} \quad \mathrm{o}^{31}!\quad \mathrm{dza}^{35} \quad 4 \mathrm{u}^{53} \quad \mathrm{o}^{31}!$ hey-redup take IMP quick take IMP 'Hey! Hey! Take it quick! Take it!'
 hey-Redup quick look IMP quick look IMP upon DEF
$\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \quad \mathrm{ts}^{\mathrm{h}} 1^{31} \quad \mathrm{i} \varepsilon^{31}$ ?
LOC what COP
'Hey! Quick! Look! What is that up there?'

## (2) The Futility Marker

The interjection $6 \varepsilon^{55}$ is used to express futility, that is, the feeling that one has no way out or there is nothing one can do about a situation or state of affairs. Notice that it contains a sound that is not given in the consonant chart in the phonology chapter [6].
$\mathrm{ff} \varepsilon^{55}!\quad \mathrm{a}^{31} \mathrm{ndi}^{33} \quad \mathrm{gul}^{31} \quad \mathrm{be}^{55} \quad \mathrm{a}^{31} \quad \mathrm{ie}^{55}$.
sigh! hair all white DIR COP
'Sigh! All the hair is already white.'
(3) Surprise Markers

The interjections $\varphi a^{55}, a^{55} \mathrm{mi}^{55}$ and $\mathrm{a}^{55} \mathrm{t} \varphi \mathrm{mu}^{33}$ occur utterance initially to express the emotions of being surprised, stunned, thrilled, and so on.
$\mathrm{Ca}^{55}!\quad \mathrm{i} \varepsilon^{55} \mathrm{san}^{55} \mathrm{num}^{31} \quad \mathrm{gux}^{55} \quad \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{55} \quad \mathrm{~m}^{31} \quad \mathrm{dz} 1^{55} \quad \mathrm{da}^{53}$ ?
ah! now also still NEG walk RQ
'Jeez, you are still here (i.e. you still have not left)?'
$\mathrm{a}^{55} \mathrm{mi}^{55}!\quad \eta \mathrm{a}^{31} \quad \mathrm{dza}^{55} \quad \mathrm{o}^{31}!\quad \mathrm{bux}^{31} \quad \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \quad \mathrm{dux}^{31} \quad \mathrm{dz}^{31} \quad \mathrm{a}^{31} \quad \mathrm{ie}^{55}!$

Oh! you look IMP! snake one CLF walk dir cop!
?o ${ }^{55}$ nu ${ }^{31}$ !
there DEF
'Oh my! Look! A snake is coming! Over there!'

| $\mathrm{a}^{33} \mathrm{tcum}{ }^{33}$ ! | $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{35}$ | $\mathrm{ba}^{31} \mathrm{sl}^{31}$ | dzuy ${ }^{55}$ | $-\varepsilon^{31}$ ! |
| :---: | :---: | :---: | :---: | :---: |
| wow | water | very | cold | -IND |
| Gosh! Th | ater is |  |  |  |

(4) The Interjections $a^{31} l a^{55}$ and $l a^{55} i u m \eta^{55}$

The interjections $a^{31} \mathrm{la}^{55}$ and $\left.\mathrm{la}^{55} \mathrm{i} u\right)^{55}$ occur utterance initially to express pain or discomfort.
$\mathrm{a}^{31} \mathrm{la}^{55}!\quad \mathrm{ba}^{31} \mathrm{~S} 1^{31} \quad \eta \mathrm{wl}^{31} \quad \mathrm{dza}^{55} \quad-\varepsilon^{31}$
ouch very 2sG hurt -IND
'Ouch! It really hurts.'
$\begin{array}{lllll}\mathrm{a}^{55} \mathrm{im} \mathrm{\eta} \\ \text { ouch } & \mathrm{a}^{31} \mathrm{io}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} & \mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} & \mathrm{na}^{31} \mathrm{dzan}{ }^{35} & -\varepsilon^{31} \\ \text { stomach hurt.1sg } & \text { POs } & \text {-IND }\end{array}$
'Ouch! My stomach is hurting.'
(5) The Interjection $p^{h} e^{53}$

The interjection $\mathrm{p}^{\mathrm{h}} \mathrm{e}^{53}$ occurs utterance initially to show contempt.
$\mathrm{p}^{\mathrm{h}} \mathrm{e}^{53}!\quad \eta \mathrm{a}^{31} \quad \eta^{31}-\mathrm{t}^{\mathrm{h}} \mathrm{im}^{55} \quad \eta \mathrm{ul}^{31} \quad \mathrm{a}^{31} \mathrm{ios}^{31} \quad \mathrm{to}^{55} \quad \mathrm{~m}^{31} \quad \eta \mathrm{a}^{55} \quad$ ¢ши ${ }^{35}$ ! phish! you 2sG-say def I listen neg want 1sG.Refl
'Phish! I don't want to hear what you have to say.'
(6) The Interjection $a^{55}{ }_{\gamma} u^{55}$

The interjection $a^{55} \mathrm{\gamma w}^{55}$ is used as a greeting when you bump into somebody on your way to somewhere or in the fields. It is also used to alert somebody of something. When used as a greeting, it has the connotation of intimacy or familiarity.
$\mathrm{a}^{55} \chi^{55}!\quad \eta \varepsilon^{31} \eta \mathrm{q}^{55} \quad \mathrm{a}^{31} \quad \mathrm{Po}^{55} \quad \eta \mathrm{ul}^{31} \quad \mathrm{t}^{\text {h }} \mathrm{a}^{31} \quad \eta \varepsilon \mathrm{n}^{55} \quad \mathrm{o}^{31} \quad$ o $^{53}$ ! hey you-PL DEF that CLF NEG touch IMP MOOD 'Hey, you guys. Don't touch that!'
(7) The Interjection $\tilde{a}^{31}$

The interjection $\tilde{\mathrm{a}}^{31}$ occurs utterance initially to express realization, acknowledgment, or understanding.
$\tilde{\mathrm{a}}^{31}!\quad \mathrm{s}^{31} \mathrm{tc}^{\text {lr }} \mathrm{i}^{31} \quad \mathrm{Po}^{55} \quad$ bumy $^{55} \quad$ qu $^{31} \mathrm{a}^{31} \quad \mathrm{a}^{31} \mathrm{io}^{31} \quad \mathrm{ti}^{55} \operatorname{san}^{31} \mathrm{di}^{55} \quad \operatorname{son}^{55}-\tilde{\mathrm{a}}^{31}!$ oh! matter that CLF DEF I already know-1sG 'Oh, I know that already.'
(8) The Interjection $\eta^{31} \eta \eta^{35}$

The interjection $\mathrm{\eta}^{31} \mathrm{n}^{35}$ is used to express displeasure.

| $\eta^{31} \mathrm{yn}^{35}!$ | na $^{31}$ | $\mathrm{a}^{55}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{m}^{31}$ | $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31}$ | $\mathrm{ic}^{33}!$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| tsk | you | DEF | what |  |  |

(9) The Interjection $P 0^{55} u e^{31}$

The interjection $\mathrm{Po}^{55} \mathrm{ue}^{31}$ occurs utterance initially to convey praise and admiration.

Po $0^{55} \mathrm{ue}^{31}!\quad \mathrm{p}^{\mathrm{h}} \mathrm{ul}^{31} \mathrm{nem}^{33} \quad \mathrm{i} \varepsilon^{55} \mathrm{dan}^{55} \quad \mathrm{da}^{55} \quad \mathrm{o}^{31} \mathrm{num}^{31} \quad \mathrm{ni}^{55} \varepsilon^{55} \quad \mathrm{t}^{\mathrm{h}} \mathrm{am}^{55} \mathrm{u}^{31}!$
wow! wild pig such.a big nom catch obtain 'Wow! Caught such a big wild pig!'
(10) The Interjection $\tilde{e}^{31}$

The interjection $\tilde{\mathrm{e}}^{31}$ is used to convey a sigh with emotions.

| $\tilde{\mathrm{e}}^{31}!$ | $\mathrm{a}^{31} \mathrm{io}^{31}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$ | ts ${ }^{\text {h }}$ un ${ }^{55}$ | $\eta \mathrm{u}^{31} \mathrm{a}^{31}$ | $\left.\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{vEn}^{31} \mathrm{dzu}\right)^{55}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| eh! | I | one | lifetime | DEF | ice-snow |
| cum ${ }^{55}$ | $\mathrm{li}^{31} \mathrm{li}^{53}$ |  |  |  |  |
| tread | experience |  |  |  |  |
| 'Ehh, my life has been like treading on ice and snow!' (with a lot of frustration and tribulation) |  |  |  |  |  |

(11) The Interjection tse ${ }^{31}$

The interjection tse ${ }^{31}$ conveys regret or sympathy.
$\mathrm{tse}^{31} \mathrm{tse}^{31}!\quad \mathrm{na}^{31} \quad \mathrm{a}^{55} \quad \mathrm{a}^{31} \mathrm{vu}^{35} \quad \mathrm{i}^{55} \mathrm{t}_{5}^{\mathrm{h}} 1^{55} \quad \mathrm{pi}^{31} \mathrm{pi}^{31} \quad \mathrm{q}^{31}-\mathrm{k}^{\mathrm{h}} \tilde{\varepsilon}^{35}!$
tsk tsk! You DEF hand so severe 2sG-burn 'Gosh! Your hand is so severely burned.'
(12) The Interjection $p f u u^{31}$

The interjection $\mathrm{pfu}^{31}$ is often used in conversations to mean disagreement or a negative response to a question.

| $\mathfrak{y}^{31}$ そu1 ${ }^{55} \mathrm{si}^{31}$ | $\mathrm{a}^{31} \mathrm{nuy}^{31} \mathrm{tc}^{\text {b }}{ }^{\text {² }}{ }^{55}$ | $1 \varepsilon^{55}$ | $m \varepsilon^{53}$ ? | pfu ${ }^{31}$ ! |
| :---: | :---: | :---: | :---: | :---: |
| they two | Anong nationality | COP | Q? | INTER |
| 'Are the two | m of the Nu natio |  |  | Don't know. |

### 4.2. Syntax

Anong does not have a writing system. So our understanding of its syntax is based on the sentences collected through a fieldwork questionnaire and the texts we collected. Therefore, subjectivity is unavoidable. Since this is only a sketch, the grammatical description is limited to simple structures. The following is a discussion of the sentential constituents, word order, and simple and complex sentences.

### 4.2.1. Word Order and Sentential Constituents

## (1) The Order of Subject, Predicate, and Object

The basic word order in Anong is SOV, as is illustrated by the example below.

| $\mathrm{a}^{31} \mathrm{~b} \varepsilon^{55}$ | $\mathrm{y}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55}$ | $\mathrm{io}^{55}-\varepsilon^{31}$. |
| :--- | :--- | :--- |
| goat | horn | have-IND |
| Subject | Object | Verb |
| 'Goats have horns.' |  |  |

Anong has no passive voice, and the subject and object order is flexible without affecting the meaning, as can be seen through the following examples.

| $\mathrm{a}^{31} \mathrm{io}^{31}$ | $\mathrm{a}^{55}$ | $\mathrm{mi}^{53}$ | $1^{31}$ | $k^{\text {h }} \mathrm{c}^{31}$ | $\mathrm{a}^{31} \mathrm{n}^{2} \eta^{33}$ | $-\varepsilon^{31}$. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| I | DEF | AGT | he | ов ${ }^{\text {I }}$ | beat.1sg | -IND |
| Subject Object  <br> 'I beat him.'   |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| $\mathrm{n}^{31}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | $\mathrm{a}^{31} \mathrm{io}^{31}$ | $a^{55}$ | $\mathrm{mi}^{53}$ | $\mathrm{a}^{31} \mathrm{n}_{\mathrm{c}} \varepsilon \mathrm{y}^{33}$ | $-\varepsilon^{31}$. |
| he | OBJ | I | def | AGT | beat.1sG | -IND |
| Object <br> 'I beat him.' |  | Subject |  |  | Verb |  |
|  |  |  |  |  |  |  |

The sentence immediately above would, following Chinese practice, be translated as 'He was beaten by me' but, in Anong, the sentence means 'I beat him.' This is because in Anong grammatically marked objects and subjects have a relatively flexible word order. Fronting the object does not affect the basic meaning. In addition, the verb in the sentence immediately above has first person subject agreement marking. Therefore, the third person pronoun $\eta^{31}$ 'he' cannot be the subject regardless of the word order. It should be noted that, while the agentive particle $\mathrm{mi}^{53}$ in the first sentence can sometimes be omitted, in this sentence, it is compulsory because the agentive particle is needed to help clarify the relationship between the two noun phrases since the object has been fronted,

Anong has both direct and indirect objects, with the indirect object occurring before the direct object. The marker $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ usually occurs with the indirect object.

| $\mathrm{a}^{31} \mathrm{mu}^{31}$ | $\mathrm{a}^{31} \mathrm{io}^{31}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ | $\mathrm{ga}^{31} \mathrm{mu}^{31}$ | $\mathrm{se}^{55}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{am}^{55}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| mother | I | OBJ | clothes | new | one | CLF |

(2) Attributive Modifiers

Anong has two types of attributives with different orders with respect to the head noun. Nouns and pronouns as attributives occur before the head noun, usually without the possessive marker.

[^24]| $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ | $\mathrm{ni}^{55}$ | $\mathrm{va}^{55}$ | $\mathrm{n}^{31}$ | $\mathrm{mã}^{55}$ |
| :--- | :--- | :--- | :--- | :--- |
| father | poss | ax | he | face |
| attribute | head |  | attribute <br> 'fis face' | head |
| 'father's ax' |  |  | nis |  |

Adjectives, numerals, and classifiers occur after the head noun.

| $\mathrm{ga}^{31} \mathrm{mu}{ }^{31}$ | $s \varepsilon^{55}$ | ni $\mathrm{i}^{55} \mathrm{lun}{ }^{55}$ | $\left.\mathrm{t}^{\text {h }} \mathrm{i}^{55}-\mathrm{lu}\right)^{55}$ | cuif ${ }^{55} \mathrm{dzuy}{ }^{55}$ | is ${ }^{3}$ | dzuy ${ }^{55}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| clothes | new | eye | one-cla | tree | thi | CLF |
| head | attribute | head | attribute | head |  |  |
| 'new clothes' |  | 'one eye' |  | 'this tree' |  |  |

If all of the attributive modifiers occur in the same phrase, their order would be as is shown as follows:

| $\mathrm{n}^{31}$ | $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{al}^{31}$ | $\mathrm{ga}^{31} \mathrm{mul}^{31}$ | $\mathrm{se}^{55}$ | $\mathrm{na}^{55}$ | $\mathrm{a}^{31} \mathrm{ni}^{55}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{am}^{55}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| he genandfather clothes | gran | new that | two | CLF |  |  |

In this example, the head noun is 'clothes'. The pronoun 'he', the noun 'grandfather', the adjective 'new', the adjectival demonstrative pronoun 'that', and the numeral plus classifier 'two Clf' are all attributive modifiers. Except for the pronoun 'he' which modifies the noun 'grandfather', all of the rest modify the head noun 'clothes'. The order of attributive modifiers exemplified by the above example is the dominant order. However, it should be noted that when adjectives with two or more syllables are used as modifiers, they sometimes occur before the head noun, especially nominalized adjectives. ${ }^{14}$

| $\mathrm{ba}^{35} \mathrm{ba}^{31}-\mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$ | $\mathrm{u}^{55}$ | $\mathrm{~S}^{55} \mathrm{I}^{5 \mathrm{va}^{31}}$ |
| :--- | :--- | :--- |
| thin-DIM | NOM | book |
| 'thin book' |  |  |
|  |  |  |
| $\mathrm{Sl}^{31} \mathrm{la}^{33}$ |  |  |
| good | $\mathrm{u}^{55}$ | $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31}$ |
| 'good person' | NOM | person |

[^25]
## (3) Adverbials

Adverbials usually occur before the predicate, though some adverbials can occur after the predicate. When the predicate of a sentence has a number of constituents before it, most adverbials come after the other constituents. However, temporal and locative adverbials have a flexible order. They can occur before the predicate and after the object, after the subject and before the object, or even before the subject.

| $y^{31}$ | $a^{55}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31}$ | $\mathrm{tc}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{mu}^{31}$ | $\mathrm{sa}^{31}-\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | nua |
| :--- | :--- | :--- | :--- | :--- | :--- |
| he DEF | often | $\mathrm{la}^{55}-\varepsilon^{31}$. |  |  |  |
| 'He often fishes by the Nujiang.' |  |  |  |  |  | Nujiang | beside-LOC | fish |
| :--- | :--- |
| seek-IND |  |

In this example, the expressions 'often' and 'Nujiang' are temporal and locative adverbials respectively, both occurring after the subject and before the object.
$\mathrm{na}^{55} \quad \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \quad \mathrm{t}_{6}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55} \quad \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \quad$ io $^{55} \quad \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \quad \eta \mathrm{o}^{55} \quad-\varepsilon^{31}$.
that house child one CLF only have -IND 'That family has only one child.'

The word 'only' is the adverbial in this example, and it occurs after the object and before the predicate.
 tonight they maybe house NEG return 'Tonight they may not return home.'

In this example, there are three adverbials: the temporal adverbial 'tonight' occurs before the subject; the adverbial 'maybe' occurs after the subject and before the object; and the adverbial 'not' occurs after the object and before the predicate.

Adverbials occurring after the predicate are rare. We have only come across one instance.
$\eta \mathrm{a}^{31} \quad \mathrm{a}^{55} \quad \mathrm{dza}^{31} \mathrm{dza}^{31} \quad \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \quad \mathrm{ge}^{55} \mathrm{dz}^{53}{ }^{53} \varepsilon^{31} \quad \mathrm{do}{ }^{55}$.
you DEF quick-REDUP IMP go-IND first
'Quick, you go first.'

### 4.2.2. Simple Sentences

Simple sentences are the basic units of discourse. They can be categorized from a variety of perspectives. In this section, we will divide simple sentences into several categories based on their structures and mood.
(1) Declarative Sentences

Declarative sentences are marked by the indicative $-\varepsilon^{31}$ suffix or an aspect suffix.
$\mathrm{y}^{31} \quad \mathrm{ma} \tilde{a}^{55} \quad \eta u^{31} \quad \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}-\varepsilon^{31}$.
he face DEF yellow-REDUP-IND
'His face is very yellow.'
(2) Interrogative Sentences

Interrogative sentences can be formulated through using interrogative pronouns, interrogative particles, the alternative interrogative structure, or the A-Not-A interrogative structure.

Interrogative particles:
$\begin{array}{lllllllll}\eta a^{31} & \mathrm{a}^{55} & \mathrm{i}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{ie}^{55} & \mathrm{t}^{\mathrm{h} \mathrm{i}^{55}} & \mathrm{dzan}{ }^{31} & \eta^{31} & \mathrm{dz} 1^{53} & \mathrm{a}^{31} \mathrm{ie}^{55} & \mathrm{da}^{53} \text { ? } \\ \text { you } & \text { DEF } & \text { again } & \text { one } & \text { time } & 2 \text { 2sG } & \text { walk } & \text { DIR } & \mathrm{Q}\end{array}$
you DEF again one time 2SG walk DIR Q
'You came again?'
Interrogative pronouns:

| $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{io}{ }^{55}$ | $\mathrm{ga}^{31} \mathrm{mu}^{31}$ | $\eta \mathrm{mu}^{31}$ | $i \varepsilon^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | $g \varepsilon n^{55}$ | $\mathrm{d} 7 \varepsilon^{53}$ ? |
| :---: | :---: | :---: | :---: | :---: | :---: |
| who | clothes | DEF | here | put | ASP |
| hose | es are plac | here?' |  |  |  |

The A-Not-A interrogative structure:

you television 2SG buy-IND $Q$ NEG 2SG buy $Q$
'Did you buy a television or not?'
The alternative interrogative structure:

| $\begin{aligned} & \mathrm{a}^{31} \\ & \text { you } \end{aligned}$ | $\begin{aligned} & {t G^{\mathrm{h}} \varepsilon n^{31} p^{\mathrm{h}} \mathrm{u}^{31}}_{\text {son }} \end{aligned}$ | $\begin{aligned} & \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \\ & \text { OBJ } \end{aligned}$ | $\begin{aligned} & \eta^{31}-\eta a^{55}-s s^{55} \\ & \text { 2-like-DU } \end{aligned}$ | $\begin{aligned} & \mathrm{m} \varepsilon^{53} \\ & \mathrm{Q} \end{aligned}$ | $\mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{n}^{31} \mathrm{mu}^{31}$ <br> daughter |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | 1-na ${ }^{55}-s \varepsilon^{55}$ | $m \varepsilon^{53}$ ? |  |  |  |
| ObJ | 2-like-du | Q |  |  |  |

## (3) Imperative Sentences

Imperative structures use the imperative form of the verb.
$\eta \mathrm{a}^{31} \quad \mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \quad \mathrm{ven}^{31} \quad \varepsilon^{31} \quad \mathrm{bo}^{55}$
you vegetable buy , asp go
'You go and buy vegetables.'
(4) Requests

Like imperatives, a request is also formed through using $\mathrm{la}^{31}$ and lie ${ }^{31} .{ }^{15}$

| $\mathrm{n}^{31}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | $i \varepsilon^{55} \mathrm{p}^{\mathrm{h}} \mathrm{ie}^{55}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}-\mathrm{hin}{ }^{35}$ | tss ${ }^{\text {h }}{ }^{55}$ | $1 \mathrm{la}^{31}$ | $\varepsilon \mathrm{m}^{53}$ | $1 \mathrm{li}^{31}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| he | овJ | again | one-bowl | still | OPT | eat | SUP | 'Please let him eat another bowl (of food).'

## (5) Exclamations

Exclamatory particles or expressions are used to form exclamatory sentences.
$a^{55} \mathrm{la}^{55}!\quad \mathrm{ba}^{31} \mathrm{~S} 1^{31} \quad \mathrm{a}^{31} \mathrm{dza}^{31}-\varepsilon^{31}$.
ouch! very ache-IND
'Ouch! It really hurts.'

## (6) Estimations

Estimations are often marked with certain particles.

| $\begin{aligned} & \mathrm{mux}^{31} \mathrm{~s} \mathrm{~m}^{31} \\ & \text { peach } \end{aligned}$ | $\begin{aligned} & \mathrm{i} \varepsilon^{55} \\ & \text { this } \end{aligned}$ | $\mathrm{xa}^{55}$ <br> basket | $\begin{aligned} & \eta 山^{31} a^{55} \\ & \operatorname{def} \end{aligned}$ | $\begin{aligned} & \mathrm{p}^{\mathrm{h}} a \eta^{31} \\ & \text { five } \end{aligned}$ | $\begin{aligned} & {\text { ts }{ }^{\mathrm{h}} \mathrm{a}^{55}}_{\text {ten }} \end{aligned}$ | $\begin{aligned} & \text { gam }^{55} \\ & \text { catty } \end{aligned}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} l u \mathrm{P}^{55}$ <br> about |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathrm{a}^{31} \mathrm{n}^{55}$ | $b^{31} u^{31}-\varepsilon^{31}$ |  |  |  |  |  |  |
| 'This basket of peaches is about fifty catties (i.e. 25 kilograms).' |  |  |  |  |  |  |  |

### 4.2.3. Complex Sentences

Complex sentences come in two main categories, namely, compound sentences and sentences made up of a main clause and a subordinate clause. We will discuss a few frequently occurring types of complex sentences with illustrative examples.

[^26](1) Compound Sentences

Compound sentences usually are not connected by coordinate conjunctions. There are three types of compound sentences in Anong.
(A) Contrastive Compound Sentences

| $\mathrm{a}^{31} \mathrm{io}^{31}$ | $\mathrm{a}^{55}$ | $\mathrm{ta}^{55}-\mathrm{o}^{55}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$ | $n u^{31}$ | $v E n^{33}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{am}^{55}-\varepsilon^{31}$ | dzun ${ }^{55}$ | $\mathrm{a}^{31}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| I | DEF | big-nom | one | CLF | buy | CONT-IND | ASP | ASP |
| $\mathrm{n}^{31}$ | a | $t^{\text {b }}{ }^{\text {c }}$ ¢m $\mathrm{m}^{31}-\mathrm{o}^{55}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{j}^{55}$ | $n u^{31}$ | ven ${ }^{33}$ | $t^{\text {h }} \mathrm{am}^{55}-\varepsilon^{31}$ | $\mathrm{d} 7 \mathrm{Cl}^{31}$ | $\mathrm{a}^{31}$. |
| he | DEF | small-NOM | one | CLF | buy | CONT-IND | ASP | ASP |
| Def small ${ }^{\text {dom }}$ One ClF buy, Cont-ind Asp |  |  |  |  |  |  |  |  |

(B) Relative Contrast Compound Sentences

| $\mathrm{mo}^{31} \mathrm{gur}^{55} \mathrm{dzan}{ }^{31}$ | $\mathrm{i} \varepsilon^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | $\left.k^{\mathrm{h}} \mathrm{m}\right)^{31} \mathrm{ne}^{55}$ | ts ${ }^{\text {h }} 1^{55}$ | $\mathrm{t}^{\text {h }}{ }^{31}$.umm $^{33}$ | $\varepsilon^{3}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Mùgǔjiǎ | here | ABL | relative | far | D |
| $\mathrm{mo}^{31} \mathrm{guy}^{55} \mathrm{dzan}^{31}$ | $\left.k^{\text {h }} \mathbf{u}\right)^{31}{ }^{\text {n }}{ }^{55}$ | dun ${ }^{35}{ }^{\text {cua }}{ }^{55}$ | $k^{\text {h }} \mathrm{a}^{31} \mathrm{ba}^{31} \mathrm{~s} 1^{31}$ | $1 t^{\text {h }} \mathrm{i}^{31}$. $\mathrm{Ium}^{55}$ | ${ }^{55} \varepsilon^{31}$ |
| Mùgǔjiǎ | ABL | Gòng Mt. | Loc very | far | IND |
| 'It is relatively far and it is even far | from here to er from Mù | Mùgǔjiǎ, ǔiia to the | òngshān area. |  |  |

(C) Successive Compound Sentences

| $\mathrm{n}^{31}$ | $\mathrm{san}^{55}$ | $\mathrm{ba}^{31} \mathrm{Sl}^{31}$ | $\mathrm{a}^{31} \mathrm{n} \varepsilon^{55}$, | $\mathrm{t}^{\mathrm{h} \mathrm{i}^{31}}$ | $\mathrm{ca}^{55}$ | $\mathrm{gam}^{55}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| he | strength | very | have, | one | hundred | catty |

$\mathrm{da}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \quad \mathrm{gux}^{55} \quad \mathrm{zl}^{35} \quad \mathrm{dzo}{ }^{31} \quad \varepsilon^{31}$. excess also carry.on.back can ind
'He is very strong, and can carry
over a hundred catties ( $=50$ kilograms) on his back.'
(2) Complex Sentences with Subordinate Clauses

Complex sentences containing subordinate clauses usually have conjunctions. They can be divided into the following types.

Transitional:
$\eta a^{31} \quad \mathrm{ma}^{55} \mathrm{Su}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \quad \mathrm{a}^{31} \mathrm{io}^{31} \quad \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \quad \mathrm{~S} 1^{55} \mathrm{va}^{31} 1 \varepsilon^{31} \mathrm{Su}^{55} \quad \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \quad \mathrm{zu}^{55}-\mathrm{u}^{31} \quad l^{53}$,
you later I OBJ letter IMP write OPT
$\begin{array}{lllll}\mathrm{m}^{31} \mathrm{ie}^{35} l \varepsilon^{53} & \mathrm{a}^{31} \mathrm{io}^{31} & \text { na }^{31} & \text { mIan }^{55} & \mathrm{a}^{31} \mathrm{ie}^{31} . \\ \text { CON } J & \mathrm{I} & \text { 2SG } & \text { angry } & \text { ASP }\end{array}$
'You write to me in the future, otherwise I will be upset.'
Cause and result:
$\mathrm{la}^{31} \mathrm{ma}^{55} \quad \mathrm{i}^{31}$-xan $^{35} \quad$ nu $^{31} \quad$ dun $^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \quad \mathrm{i}^{31}$ nan $^{31} \quad \mathrm{ni}^{55}$
land this-CLF DEF inside-LOC domestic.animals dung

very fill REFL CONJ, corn grow REFL good -IND 'The corn of this piece of land is growing very well because a lot of manure was applied.'

Conditional:
$\eta a^{31} \operatorname{mun}^{31}$ so $^{55} \quad o^{55} \quad \mathrm{la}^{55} \mathrm{za}^{31} \mathrm{na}^{31}, \mathrm{a}^{31} \mathrm{io}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{sq}^{53} \mathrm{mul}^{55}$. you neg understand IMP CONJ, I OBJ ask may 'If you don't understand, (you) may ask me.'

Concessive:

he Def old IND CONJ, land DEF still do move-IND 'Although he is old, (he) can still go to work in the fields.'

Temporal Sequence:

| $\mathrm{a}^{31} \mathrm{sa}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ <br> old man | $\begin{aligned} & \mathrm{k}^{\mathrm{h} \mathrm{u}^{55} .} \\ & \text { that } \end{aligned}$ | $\begin{aligned} & \mathrm{iop}^{55} \\ & \text { CLF } \end{aligned}$ | $\begin{aligned} & \mathrm{mi}^{53} \\ & \text { AGT } \end{aligned}$ | $\begin{array}{ll} \text { nõ } \tilde{31}^{31} \tilde{a}^{31} & \mathrm{p}^{\mathrm{h}} \mathrm{am}^{31} \\ \text { cow } & \text { close } \end{array}$ | $\begin{aligned} & \mathrm{a}^{31} \mathrm{~d} \not \varepsilon^{55} \\ & \text { ASP } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{a}^{55}, \\ & \text { CON } \end{aligned}$ | $\mathrm{io}^{55} \mathrm{~m} \tilde{a}^{33}$ sickle | $\begin{aligned} & \operatorname{lan}^{35} \\ & \text { take } \end{aligned}$ | $\begin{aligned} & \mathrm{li}^{31} \\ & \mathrm{CONJ} \end{aligned}$ | $z_{1}{ }^{31} \mathrm{Pug}^{55}$ <br> mountain | $\begin{aligned} & \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \\ & \mathrm{LOC} \end{aligned}$ |
| $\text { nõ }{ }^{31} \text { uã }{ }^{31}$ | $\begin{aligned} & \mathrm{dza}^{31} \\ & \text { food } \end{aligned}$ | $\begin{aligned} & \mathrm{an}^{53} \\ & \mathrm{ut} \end{aligned}$ | $\mathrm{d} \not \mathrm{z} \varepsilon^{55}$ |  |  |

'After enclosing the cows, the old man picked up the sickle and went to the mountains to cut hay.'

Complex sentences with complex relations:
$\begin{array}{llllll}\mathrm{a}^{31} \mathrm{dam}^{31} \mathrm{xal}^{35} & \mathrm{muw}^{53} & \begin{array}{l}\mathrm{da}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}\end{array} & \begin{array}{l}\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{55} \\ \text { dry land }\end{array} & \text { PL } & \text { rice.paddy } \\ \text { nange } & \text { want } & \mathrm{o}^{35} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}, \\ \text { conJ, },\end{array}$
$\mathrm{da}^{31} \mathrm{dan}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \quad \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}-\mathrm{san}^{55} \mathrm{a}^{31} \quad \mathrm{ua}^{55} \quad \mathrm{a}^{31} \mathrm{ni}^{55} \quad \mathrm{li}^{31} \quad \mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}} 1^{55} \quad \mathrm{du}^{55}-\mathrm{i}^{31}$,
everybody one-strand do INCH CONJ ditch dig-1PL
$\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ya}^{35} \quad \operatorname{cin}^{31} \quad$ iwn ${ }^{55} \quad \mathrm{ta}^{35}, \quad \mathrm{da}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \quad \mathrm{~d} \mathrm{~g}^{35} \mathrm{~d}_{\mathrm{o}} \mathrm{o}^{31}$
water draw come CONJ, rice.paddy all
$\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{55} \quad \mathrm{o}^{55} \mathrm{num}^{55}-\mathrm{li}^{31}$.
change MOOD-CONJ
'In order to convert the land into rice paddies, everybody worked together in digging the irrigation ditch to bring in water and convert all of the land into rice paddies.'

| $\mathrm{mu}^{55}$ | $\mathrm{tch}^{\mathrm{h}} \mathrm{in}^{55} \mathrm{dum}^{33}$ | $\mathrm{li}^{31}$, | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31}$ | $\mathrm{gur}^{31}$ | $\mathrm{~m}^{31}-\mathrm{zan}^{55}$ | $\mathrm{S1}^{31}$ | $\mathrm{li}^{31}$, |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| sky | dark | CON, | road | also | NEG-see | REFL | CON |

$\mathrm{Pa}^{31} \mathrm{xa}^{35} \quad \mathrm{be}^{55} \quad \mathrm{di}^{31} \mathrm{ca}^{31} \quad \mathrm{li}^{31}, \quad \mathrm{y}^{3} \quad \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \quad \mathrm{~d} \not \mathrm{zan}^{31} \mathrm{a}^{31} \tan ^{55} \mathrm{~d} \not \varepsilon^{55}$. foot again difficult conj, he one time fall ASP 'He tripped because it was dark, the road was bad, and (his) feet were not right (i.e. His feet did not feel right.)'

## CHAPTER FIVE

## THE RESTRUCTURING OF ANONG

Research on Anong started in 1960. Except for the long interruption during the Cultural Revolution, we did follow-up fieldwork on Anong at quite regular intervals to collect additional data. Altogether seven fieldwork trips were undertaken over a span of 43 years ending in the fall of 2003.

Forty years is a very short time period in terms of the diachronic development of a language-one would expect it to be too short to see major changes in a language. During those years, the region inhabited by the Anong underwent tremendous changes. Revolutionary changes took place in the economy, transportation, commerce, culture and education, health, and communications. A once closed Anong society suddenly opened its doors allowing other ethnic groups to come in and settle down in their midst, which led to cross-marriages between Anong and other ethnic groups. During the same time, some of the Anong traveled from their villages to other places to go to school, to seek employment opportunities, to engage in business activities, and so on. Interactions and communications between various ethnic groups reached an unprecedented width and depth. These social changes have been reflected in the Anong language.

Data collected from different time periods indicate that the Anong language is also undergoing considerable change. The data we collected from distinct groups of Anong speakers show differences. Some of those differences are idiolectal features, while others are characteristic of age group differences. The speech of older speakers is more conservative while that of the younger ones has undergone considerable restructuring, which to a degree reflects the direction of change being taken by the Anong language.

We also did research on languages in the Jingpo subgroup related to Anong as well as a language closely related to Anong, namely, Trung and its dialects. Comparative studies involving these languages helps us understand the changes in Anong.

Analyzing the changes in Anong in terms of the social changes, the language internal differences, and the differences between Anong and closely-related languages gives us insight into Anong's obsolescence.

### 5.1. The Restructuring of the Lexicon

### 5.1.1. The Rapid Increase in Loanwords

The 5000 or so word list in the back of this grammar indicates the loans from Chinese, Lisu, and Burmese. We also tabulated the loans in the data collected in 1960 and the ones in the data collected in 1999. It is interesting to note that out of the 2600 words collected in 1960, we found 130 Chinese loans, about $5 \%$ of the total, and 208 Lisu loans, about $8 \%$ of the total. In 1999, we expanded the word list to 4900 and double checked words collected in 1960. We found that this expanded word list contains 391 Chinese loans, which make up $8 \%$ of the total, and 832 Lisu loans constituting $17 \%$ of the total. That is to say, we see the Chinese loans have increased by $3 \%$ and Lisu loans by $9 \%$, when compared with the data collected in 1960. The following is a small sample of loans in Anong to show what kind of words are borrowed into Anong from Lisu, Chinese and Burmese.

Lisu loans

| $\mathrm{a}^{55} \mathrm{~m}$ | tato | nu | broad bean | ${ }^{\text {hi }}{ }^{31}$ | pea |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $n u^{55} p^{\text {h }}{ }^{55}$ | mung bean | $\mathrm{po}^{55} \mathrm{na}^{55} \mathrm{ts}^{31}$ | saltpeter | $\mathrm{bu}^{31} \mathrm{lu}^{55}$ | trumpet |
| $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{ku}^{55}$ | evening star | $\mathrm{n} \varepsilon^{31} \mathrm{ku}^{55}$ | morning star | ts ${ }^{\text {h }} \mathrm{w}^{31}$ | tin |
| $\mathrm{ka}^{55}$ tsu ${ }^{55}$ | cupboard | $\mathrm{dzi}{ }^{31} \mathrm{~d} 7 \mathrm{E}^{55}$ | wine pot | $\mathrm{sa}^{31} \mathrm{la}^{55}$ | ble |
| $\mathrm{mo}^{33} \mathrm{gur}^{33}$ | elephant | $\mathrm{ga}^{55} \mathrm{gux}^{31}$ | orangutan | 2i ${ }^{5}{ }^{5} \mathrm{bu}^{31}$ | water duck |
| $\mathrm{ko}^{55}{ }^{\text {to }}$ 5 ${ }^{\text {5 }}$ | cock's comb | $\mathrm{p}^{\mathrm{h}} .11^{55} \mathrm{du}^{31}$ | a plane | $\mathrm{ycu}^{31} \mathrm{du}^{31}$ | a saw |
| $\mathrm{po}^{55} \mathrm{lo}^{55}$ | bullet | $1 \mathrm{l}^{31} \mathrm{t}^{\text {b }} \mathrm{a}^{55}$ | polish with | hetstone |  |

Chinese loans

| $\mathrm{i}^{81} \mathrm{sui}^{35}$ | coriander | ts ${ }^{\text {b }} 0^{55}$ | scallion | $1 \mathrm{l}^{35} \mathrm{dzi} i^{31}$ | chili |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathrm{p}^{\mathrm{h} i \mathrm{i}^{31} \mathrm{ko}^{53}}$ | apple | $\mathrm{vu}^{55} \mathrm{kui}^{55}$ | tortoise | fun ${ }^{55} \mathrm{th}^{\text {ha }}$ au ${ }^{31}$ | nood |
| $\mathrm{m} \varepsilon^{31} \mathrm{t}^{\text {na }}{ }^{55}$ | coal | $10^{55} \mathrm{tsum}^{55}$ | mule | $s_{7}{ }^{5}$ tes ${ }^{31}$ | lion |
| suan ${ }^{55} \mathrm{st}^{\text {b }}{ }^{35}$ | sour | $p \varepsilon^{31} \mathrm{t}^{\text {ha }}{ }^{\text {a }}$ | white sugar | tcan ${ }^{35} \mathrm{imu}^{31}$ | soy sauce |
| $\mathrm{n}^{55} \mathrm{tum}^{55}$ | electric light | $\mathrm{la}^{31} \mathrm{tsu}^{55}$ | candle | $i^{31} \mathrm{ua}^{\text {a }}$ | enamelware |
| i $i^{55}{ }^{\text {s }} 1^{33}$ | market | $\mathrm{sui}^{55} \mathrm{fu}^{31}$ | kettle | $\mathrm{xo}^{55} \mathrm{tsai}^{31}$ | matches |
| $t \mathrm{tci}^{33} \mathrm{tc}^{\text {h }}{ }^{35}$ | machine | $t a^{35} \mathrm{p}^{\text {hom }}$ | artillery |  |  |

Burmese loans

| ts $^{\text {h }} \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{31}$ | steamboat | $m \varepsilon^{33} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{33}$ | train |
| :---: | :---: | :---: | :---: |
| $t \tilde{a}^{35} \mathrm{~s}^{\text {h}} \mathrm{m}^{31}$ | kerosene | bõ ${ }^{55}$ | movie |
| $\mathrm{vi}^{55} \mathrm{ka}^{31}$ | glass works | $n a^{31} \mathrm{li}^{31}$ | wristwatch |
| ts ${ }^{\text {b }}{ }^{31} \mathrm{pi}^{55} \mathrm{o}^{55}$ | soap | Pua ${ }^{55} \mathrm{~s}^{\text {b }} 1^{31}$ | powder |

It is clear from the above 48 loans from three different languages that the borrowed lexical items are mostly for expressing new aspects of daily life and cultural phenomena. Only a few of them are part of the core vocabulary. A closer examination reveals that the loans from Burmese are mainly about phenomena that were non-existent in Anong. For example, luxury items such as face powder, and new means of transportation, such as trains and ships, were completely novel to the Anong. It is likely that such loans came into Anong via religious activities. Those loans did not exist in Anong in the '60s. It was in the ' 70 s and ' 80 s when Catholicism was rapidly developing in the Anong region when the Anong were introduced to those new phenomena.

The Chinese loans are slightly different. Although we did collect some Chinese loans in 1960, most of the Chinese loans have occurred in the last 30 years or so, especially during the Cultural Revolution. The massive coalition building movement involving widespread mutual visitations between organizations throughout the country brought about contact and interactions between different nationalities to a degree the country had never seen before. In addition, the reform and open door policy adopted by the Chinese government in more recent times produced a lot of new experiences that are inevitably reflected in the language's lexicon. Many of the Chinese loans are words for daily necessities. We suspect that some of the Chinese loans came into Anong via Lisu, because these are also Chinese loans in Lisu, and their phonological shape resembles that of Lisu words.

It is not surprising that there is a higher percentage loans from Lisu than from any other language since the Anong are surrounded by Lisu. They interact with the Lisu on a daily basis whenever they go to the store or when they go to school, and so on. Life would be impossible if one could not speak Lisu. In fact, people of all nationalities in the region speak Lisu, be they Chinese, Bai, or Naxi. Except for a few elderly women who rarely leave their homes, all the Anong are bilingual in Lisu. In fact, some of the Anong speak Lisu better than Anong. The number of Anong speakers has decreased by half in the last 40 years or so, specifically, from 800 to 400 . In terms of semantic content, Lisu loans are found in every aspect of their lives. However, none of the loans are from the core vocabulary.

It is intriguing which of the native words have been replaced by Lisu loans in the speech of many Anong. In the examples of grammatical structures we collected, some Lisu words were used in place of readily available native words. For instance, the Anong high frequency degree adverb $\mathrm{ba}^{31}{ }_{\mathrm{S}}{ }^{31}{ }^{\text {' }}$ very/particularly/too/especially' is often replaced by the

Lisu loan $\mathrm{a}^{31} \mathrm{ku}^{55}$, which has the same meaning. When this occurred, we would sometimes remind the informant of the native Anong word; he would immediately say apologetically that he forgot to use the native Anong form. In the same way, when we returned to the field to check words collected in 1960, we discovered that the informant had forgotten quite a number of the words on our 1960 word list, although when he was asked about these words he was able to recall them. In current day Anong, coexistence of loans side-by-side with native words is quite widespread, as is evident from discussions elsewhere in this volume.

### 5.1.2. Differences Among Anong Speakers' Knowledge of the Lexicon

A survey of the knowledge of vocabulary among Anong speakers with different levels of proficiency and in different age groups was carried out in 1995. The speakers surveyed can be divided into three groups. The proficient speakers who can serve as informants are 60 or older and have a vocabulary of over 3000 words; the number of such speakers is rather small. The middle-aged group is between 40 and 60. These speakers are no longer proficient in Anong although they can still engage in every day conversations. They are more proficient in their second language. Those under 40 have basically lost their native tongue. They are able to use daily greetings and have retained some basic comprehension abilities. We used the crossbow, the most familiar hunting tool to Anong men, as an example to test the Anong speakers' knowledge of vocabulary. In addition to the general term 'crossbow', there are over ten words in Anong naming various parts of the crossbow, some of which are monomorphemic while others are compounds. We asked the Anong speakers to name the crossbow and its various parts for us in various situations. Speakers in the elderly group could either name all of the parts or almost all of the parts. Those belonging to the middleaged group could only give the general term, with some being able to name the bowstring, back of the bow and the trigger. Those under the age of 40 have lost all of the terms related to the crossbow. The test results are given in the table below.

Table 24: Vocabulary loss

| gloss | Older people | Middle aged | Younger |
| :--- | :--- | :--- | :--- |
| a bow | $\mathrm{ba}^{31} \mathrm{da}^{33}$ | $\mathrm{ba}^{31} \mathrm{da}^{33}$ | gone <br> crossbow |
| $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55}$ |  |

We also conducted some other semantic domain tests on a smaller scale. Although the results varied a little from person to person, the overall outcome was more or less the same, constituting credible evidence that drastic decrease in the number of native words is indicative of the lack of vitality of a language. Sometimes a native word is lost before an item is borrowed from another language to replace it.

### 5.2. Phonological Changes

Since Anong has borrowed a certain number of words from Lisu and Chinese, the phonological structures of those loan words have clearly influenced the phonological system of Anong. Also, since the Anong reside in the middle reaches of the Nujiang surrounded by speakers of languages of the Lolo-Burmese subgroup, especially Lisu, the characteristics of those languages are impacting Anong, resulting in Anong's phonology changing in the direction of the phonological systems of the Lolo-Burmese languages. The changes are mainly manifested in the following way.

### 5.2.1. Development of Complex Vowels and Nasalized Vowels

Originally, Anong did not have vowel plus glide diphthongs, nor did it have any glide plus vowel diphthongs, nor any triphthongs. Due to the borrowing of words with diphthongs from Chinese, some diphthongs have been added to the Anong sound system. In addition, the development of nasalized vowels is also attributable to Chinese borrowings. Some examples are given in below.

| Ũ | $t a^{35} \mathrm{fu} \tilde{u}^{35}$ | excrement | $z \tilde{u}^{31} \mathrm{sux}^{55}$ | ginseng |
| :---: | :---: | :---: | :---: | :---: |
| u $\tilde{\square}$ | $t s^{\text {h }} \mathrm{u} \tilde{\varepsilon}^{55}$ | inch | $\mathrm{ts}^{\mathrm{h}} \mathrm{c}^{55} \mathrm{ku} \tilde{\varepsilon}^{55}$ | visit; tour |
| ei | fei $^{31} \mathrm{liau}^{31}$ | fertilizer | $\mathrm{t}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{fei}^{55}$ | bandit |
| ai | $\mathrm{xo}^{55} \mathrm{ts}^{\text {h }} \mathrm{ci}^{31}$ | matches | $\mathrm{kai}^{55} \mathrm{ts} 1^{33}$ | county fair |
| au | pau ${ }^{55}$ ts $1^{33}$ | steamed bun | $\mathrm{pau}^{55} \mathrm{fu}^{55}$ | cloth wrapper |
| ue | $\mathrm{kue}^{55} \mathrm{tcy}^{31}$ | rule; custom | sue ${ }^{55}$ | tax |
| u $\varepsilon$ | $\mathrm{ku} \varepsilon^{55} \mathrm{p}^{\mathrm{h}} \varepsilon^{35}$ | national flag | uai ${ }^{35} \mathrm{ku}^{35}$ | foreign country |
| yع | $\operatorname{cyE}^{55} \mathrm{ts}^{\text {h }} u \mathrm{a}^{31}$ | propagate |  |  |
| iau | $\mathrm{p}^{\text {h }} \mathrm{iau}^{35}$ | ticket | furn ${ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{iau}^{31}$ | k. of noodles |
| uai | $\mathrm{k}^{\mathrm{h}} \mathrm{uai}{ }^{35} \mathrm{t} \mathrm{c}^{35}$ | accounting | uai ${ }^{35} \mathrm{kuc}^{35}$ | foreign country |

Nasalized vowels are a transitional phenomenon resulting from the loss of nasals in finals. Anong has already developed some nasalized vowels. Some of the nasalized vowels and diphthongs had never occurred in native Anong words. However, due to the influence of Chinese loans, some phonological structures started to occur that did not exist back in the 1960s. We conjecture that this is probably a kind of phonological diffusion, which is illustrated by the following examples.

| u | sui ${ }^{55} \mathrm{in}^{31}$ | mercury | dzui ${ }^{55}$ | pair; clf. |
| :---: | :---: | :---: | :---: | :---: |
| ua | sua $^{55}$ tsay $^{35} \mathrm{ua}^{55}$ | reckon accounts | yua ${ }^{55} \mathrm{~s}^{55} \mathrm{n}$ ¢ $\varepsilon^{35}$ | village name |
| ye | t6 ${ }^{\text {h }} \mathrm{ye}^{31} \operatorname{tian}^{53}$ | defect | $\mathrm{mu}^{55} \mathrm{xye}^{31}$ | green corn |
| ai | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{tsai}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$ | eleven | $t^{\text {h }} \mathrm{i}^{31} \mathrm{tsai}^{55} \mathrm{sq}^{\text {n }}{ }^{35}$ | seventeen |
| ai | $\mathrm{xo}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{di}^{31}$ | matches | $\mathrm{kai}^{55} \mathrm{ts}^{33}$ | market |
| ya | $\operatorname{cya}^{55} \mathrm{~d} 7 \varepsilon^{31}$ | sugar | dul ${ }^{31} \mathrm{go}^{55}$ | idle |
| $\tilde{\mathrm{a}}$ | $1 \tilde{a}^{31}$ | swim | ¢ $\tilde{a}^{55}$ | borrow |

The nasalized vowels and diphthongs above do not have a high frequency of occurrence in Anong and they are not very stable. However, they indicate the tendency of certain phonological changes in Anong, which is why we have included them in the inventory of finals in Anong.

### 5.2.2. Loss of Consonant Clusters

It is uncontroversial that Proto-Tibeto-Burman originally had consonant clusters, but contemporary Tibeto-Burman languages share a general tendency toward cluster simplification and loss. Anong is no exception. Since Anong has a small number of speakers and it is surrounded by languages that do not have consonant clusters, Anong is losing its consonant clusters faster than the other Tibeto-Burman languages.

Anong had a small number of simple consonant clusters. In the ' 60 s , there were altogether 20 or so consonant clusters in two series with one series being made up of a glottal stop followed by a consonant and the other series consisting of a consonant followed by the retroflex semivowel I . Both series are being lost and the former is disappearing at a faster rate. The following are some examples.

| Clusters | Older speakers | gloss | Middle-aged speakers |
| :---: | :---: | :---: | :---: |
| ? ${ }^{\text {b }}$ | Pbe ${ }^{31} \mathrm{ni}^{\text {5 }}{ }^{5}$ | food steamer | $\mathrm{b}^{31} \mathrm{ndi}^{\text {55 }}$ |
| 2d | $\mathrm{a}^{31}$ d $\mathrm{cn}^{55}$ | cut off (rope) | $\mathrm{a}^{31} \mathrm{~d} \varepsilon \mathrm{n}^{55}$ |
| 2d | Pday ${ }^{55}$ | crawl | dan ${ }^{55}$ |
| Pg | 2gam ${ }^{55}$ | carve records | $\mathrm{gam}^{55}$ |
| Pdz | Pdzam ${ }^{55}$ | drench (rain) | dzam ${ }^{55}$ |
| ? dz | 2dzan ${ }^{55}$ | defecate | dzan ${ }^{55}$ |
| ? $\mathrm{d}_{7}$ | ? $\mathrm{z} \mathrm{u}^{55} \mathrm{nu}^{31}$ | bark | d7 $\mathrm{mu}^{55} \mathrm{nu}^{31}$ |
| ?m | $\mathrm{tc}^{\mathrm{h}} \varepsilon^{55} \mathrm{mmu}^{31}$ | daughter; girl | $\mathrm{tc}^{\mathrm{h}} \varepsilon^{55} \mathrm{mu}^{31}$ |
| ?n | $\mathrm{a}^{31} \mathrm{Pna}^{31}$ | dye (cloth) | $\mathrm{a}^{31} \mathrm{na}^{31}$ |
| $? 1$ | $\mathrm{Pla}^{31}$ summ $^{55}$ | musk | $\mathrm{la}^{31}$ summ $^{55}$ |
| ? | $\mathrm{a}^{31}$ ?n的 ${ }^{55}$ | spread (paint) | $\mathrm{a}^{31} \mathrm{n} \varepsilon^{35}$ |
| ? ${ }^{\text {n }}$ | ? $\mathrm{na}^{31}$ | ruminate | na ${ }^{31}$ |
| ? y | nci $\mathrm{i}^{31} 2 \mathrm{u}^{31}$ | grab; seize | $n_{8 i}{ }^{31} \mathrm{nu}^{31}$ |
| Pb | $¢ 60^{55}$ Pb.ıun ${ }^{35}$ | step across | $6 \mathrm{c}^{55}$ biun $^{35}$ |

Only a few elderly speakers' speech still contains consonant clusters with an initial glottal stop. They no longer occur in most elderly speakers' speech nor in the speech of middle-aged and younger speakers, which is clearly illustrated by the examples above. The loss of the initial glottal stop has a residual effect manifested in the form of laryngealized vowels though the patterns are not systematic. Basically, all monophthongs turned into laryngealized vowels. Only some speakers pronounce the vowels in finals with the laryngealized feature. Several points can be made in connection with this phenomenon. First, at this point, we can not determine the source of the glottal stop though it is clear that
there is a close connection between the feature of laryngealized vowels and the loss of the glottal stop. This is consistent with the mechanism that gave rise to laryngealized vowels in Tibeto-Burman languages. Second, the laryngealized feature is stable in vowels without consonant endings and it is not stable with vowels in finals with consonant endings. There are two types of laryngealized vowels in Tibeto-Burman languages. One type is laryngealized monophthongs such as those in Lolo-Burmese languages and the other type involves laryngealized vowels in finals with consonant endings such as Jingpo and Zaiwa. Although Anong belongs to the Jingpo subgroup, geographically Anong is contiguous with Lolo-Burmese languages. Therefore, the laryngealized feature described above is closely related to language contact. Lolo-Burmese languages, especially Lisu, do not have finals with consonant endings, and only monophthongs in those languages display the laryngealized feature. The laryngealized feature in Anong patterns closely with Lolo-Burmese languages and differs from Jingpo languages as a result of language contact.

| Clusters | Older speakers | gloss | Middle-aged speakers |
| :---: | :---: | :---: | :---: |
| p.I | prum ${ }^{55} \mathrm{no}^{31}$ | untie | pium ${ }^{55} \mathrm{no}^{31}$ |
| $\mathrm{p}^{\mathrm{h}} . \mathrm{I}$ | $\mathrm{p}^{\mathrm{h}} . \mathrm{I} 1^{33}$ | tears (eye) | $p^{\text {h }}{ }^{33}$ |
| b. I | b.ii ${ }^{53}$ | four | $\mathrm{bi}^{53}$ |
| m.I | $\mathrm{a}^{31}$ maun $^{55}$ | get angry | $\mathrm{a}^{31} \operatorname{mium}^{55}$ |
| f.I | $\mathrm{da}^{31} \mathrm{frl}^{55}$ | turtledove | $\mathrm{da}^{31} \mathrm{fi}^{55}$ |
| V.I | $\mathrm{a}^{31} \mathrm{vai}^{55}$ | to slide | $\mathrm{a}^{31}$ vi ${ }^{55}$ |
| $\mathrm{k}^{\mathrm{h}}$. | $\mathrm{k}^{\mathrm{h}} \cdot{ }^{1}{ }^{53}$ | sweet | $\mathrm{k}^{\mathrm{h}}{ }^{53}$ |
| g.I | $\mathrm{d} \varepsilon^{31} \mathrm{g}. \mathrm{l}^{55}$ | dog | $\mathrm{d} \varepsilon^{31} \mathrm{gi}^{55}$ |
| X.I | x.lun ${ }^{53}$ | to sift | cuin ${ }^{53}$ |
| Pb.I | ca $^{55}$ Pb.rum ${ }^{35}$ | step across | $6 a^{55}$ biun $^{35}$ |

The examples above show that the semi-vowel [.] is changing to [i]. Sometimes it affects the place of articulation of the adjacent consonant. When it occurs after a velar fricative, it is pronounced as [i]. When the voiceless velar fricative occurs next to it, the velar fricative is fronted, becoming a palatal fricative.

### 5.2.3. The Loss of Retroflex Consonants

Anong has a retroflex consonant series, which includes retroflex stops, nasals, laterals and glides. They are $\mathrm{t}, \mathrm{t}^{\mathrm{h}}, \mathrm{d}, \eta, \mathrm{l}$, and I . These retroflex con-
sonants have lost their retroflex character in the speech of some middleaged and some elderly speakers. The following are some examples.

| Retroflexes | Older speakers | gloss | Middle-aged speakers |
| :---: | :---: | :---: | :---: |
| t | $\mathrm{ta}^{53} \mathrm{ni}^{\text {3 }}{ }^{3}$ | grow (up) | $\mathrm{ta}^{53} \mathrm{ni}^{33}$ |
| $\mathrm{t}^{\text {b }}$ | $2 i^{31} t^{h} u^{31}$ | grasshopper | $\mathrm{il}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{m}^{31}$ |
| d | do ${ }^{55}$ | durable | do ${ }^{55}$ |
| $\eta$ | $\eta \mathrm{u}^{31}$ | wine | $\mathrm{n} \mathrm{u}^{31}$ |
| l | $\mathrm{go}^{31} \mathrm{luy}^{31}$ | curve; bend | $\mathrm{go}^{31} \mathrm{luy}{ }^{31}$ |
| I | .$^{31} \mathrm{Puy}^{55}$ | mountain | $z_{1}{ }^{31}$ Puy ${ }^{55}$ |

Some elderly speakers still retain the retroflex consonant series. In fact, sometimes they even add the retroflex feature to non-retroflex consonants. However, the general trend is clear, namely, they are losing their retroflex feature. This change does not affect retroflex affricates and fricatives. Those are still quite stable. This could be the result of Lisu influence because Lisu has a set of such consonants that are very similar to the palatals in Anong.

### 5.2.4. The Emergence of Laryngealized Vowels

The data collected in 1960 showed no sign of laryngealized (tight throat) vowels in Anong. However, in 1983, we found that some of the vowels and finals with nasals were pronounced with laryngealization, though the laryngealization did not have any contrastive distribution for differentiating word meanings or grammatical function. In 1999, it was found to be contrastively used to mark grammatical relations. Then we found some contrastive use of the laryngealized feature for differentiating word meanings. In cases where a vowel developed the laryngealized feature due to the loss of an initial glottal stop, we kept the glottal stop in the onset position. And we use the glottal stop in the coda position to indicate that the preceding vowel has the laryngealized feature. The following are some examples.

| gloss | Symbol used | Actual pronunciation |
| :---: | :---: | :---: |
| row (boat) | zam? ${ }^{53}$ | $\mathrm{zam}^{53}$ |
| browbeat | $\mathrm{ma}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{mm}^{35}$ | $\mathrm{ma}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{\sim m}^{55}$ |
| search (body) | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \operatorname{soml}^{35}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ som $^{35}$ |
| to divine | $\mathrm{di}^{31} \mathrm{x}$ ¢ $\mathrm{P}^{35}$ | $\mathrm{di}^{31} \mathrm{x}_{\sim}{ }^{35}$ |

Table (cont.)
behead
pant; breathe deeply
shave ashamed suck (milk)
louse

$$
\begin{aligned}
& \mathrm{ba}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{nu}^{55} \\
& \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{Un}^{35} \\
& \operatorname{mun} ?^{55} \\
& \text { can } ?^{55} \\
& \mathrm{t} 6^{\mathrm{h}} \mathrm{im}^{55} \mathrm{P}^{31} \varepsilon^{31} \\
& \text { cun? }{ }^{55}
\end{aligned}
$$

What is noteworthy is that Trung, a language closely related to Anong, has consonant clusters such as $\mathrm{m} ?, \mathrm{n} 2, \mathrm{n} 2$, etc. And the vowels in those finals are in the process of gaining the laryngealized feature. This provides evidence that the contrastive laryngealized feature on vowels in Tibeto-Burman languages can originate in final consonants with glottal stops.

Further investigation is needed to fully understand the laryngealized feature in Anong. We believe that in addition to language internal mechanisms, one must take into account the influence of contiguous languages such as Lisu and Bai, both of which are rich in vowels with the laryngealized feature.

### 5.2.5. Development of the 33 Tone

The data collected in 1960 showed four tones. At the time, we also noticed a 33 tone, but it only occurred in free variation and was never used contrastively. Therefore, we did not include it in the phonemic inventory of tones. However, in 1999, we found that the 33 tone had gained its contrastive status (See chapter two for examples.). Checking all of the 9500 syllables of the words collected, we found 250 instances of the 33 tone-constituting $2.67 \%$ of the total number of syllables in our word list, establishing its phonemic status in the phonological system of Anong.

### 5.2.6. Allophonic Variation

Since Anong is an obsolescing language, many of its phonemes display frequent allophonic variation patterns within and between speakers, regardless of whether the setting is the same or different. The following are some examples.
(1) Anong has a syllabified velar nasal $n$ with a high frequency of occurrence, and it is often pronounced as $o$. The following are some examples.

| velar prefix |  | o prefix | gloss |
| :--- | :--- | :--- | :--- |
| $\mathrm{n}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{31}$ | $\leftrightarrow$ | $\mathrm{Po}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{31}$ | hole |
| $\mathrm{n}^{31} \mathrm{cun}^{55}$ | $\leftrightarrow$ | $\mathrm{Po}^{31} \mathrm{cun}^{55}$ | pupa |
| $\mathrm{y}^{31} \mathrm{lun}^{55}$ | $\leftrightarrow$ | $\mathrm{Po}^{31} \mathrm{lun}^{55}$ | stone; rock |
| $\mathrm{n}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31}$ | $\leftrightarrow$ | $\mathrm{Po}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31}$ | kernel |

(2) Although Anong has two different sets of retroflex affricates, some of the retroflex laminal affricates occur in free variation with their nonretroflex counterparts, which is illustrated by the examples below.

| 6 |  | S |  |
| :---: | :---: | :---: | :---: |
| tca $\mathrm{a}^{55} \mathrm{xom}^{31}$ | $\leftrightarrow$ | tsa ${ }^{55} \mathrm{xom}^{31}$ | squirrel |
| $t 6^{\text {h }} \mathrm{a}^{55}$ | $\leftrightarrow$ | ts ${ }^{\text {h }} \mathrm{a}^{55}$ | bird |
| $6 y^{55} \mathrm{~d} 7 \varepsilon^{31}$ | $\leftrightarrow$ | cya ${ }^{55} \mathrm{dz} \varepsilon^{31}$ | sugar |
| ¢ $\varepsilon \mathrm{m}^{3}$ | $\leftrightarrow$ | Scm ${ }^{31}$ | knife |

(3) In addition to the nasalized vowels series, we also have nasalized vowels that came from the allophonic variation of finals that end with the velar nasal, as is shown in the examples below.

| velar nasal |  | nasalization | gloss |
| :--- | :--- | :--- | :--- |
| $\mathrm{a}^{31} \mathrm{nuq}^{31}$ | $\leftrightarrow$ | $\mathrm{a}^{31} n \tilde{u}^{31}$ | Arab (self-designation) |
| $\mathrm{a}^{31} \mathrm{ian}^{35} \mathrm{Si}^{31}$ | $\leftrightarrow$ | $\mathrm{a}^{31} \mathrm{i} \tilde{a}^{35} \mathrm{si}^{31}$ | slowly |
| $\mathrm{p}^{\mathrm{h}} \mathrm{qn}^{31}$ | $\leftrightarrow$ | $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{11}$ | five |
| $\mathrm{p}^{\mathrm{h}} \mathrm{ul}^{31} \mathrm{ian}^{33}$ | $\leftrightarrow$ | $\mathrm{p}^{\mathrm{h}} \mathrm{ul}^{31} \tilde{\mathrm{a}}^{33}$ | ghost |

(4) The tones on some affixes, particles and certain lexemes display some free variation. The most typical case is the numeral one which occurs with high frequency with classifiers, see the examples below.

High-level tone ${ }^{55}$
$\mathrm{t}^{\mathrm{t}^{\mathrm{h}}{ }^{55} \mathrm{mu}^{35}{ }^{31} \mathrm{so}^{31}}$
Mid-level tone ${ }^{33}$
$\mathrm{t}^{\mathrm{h}} \mathrm{i}^{33} \mathrm{ian}^{55} \quad$ one night $\mathrm{t}^{53} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{33} \mathrm{~b}^{55} \quad$ one disk
$t^{h}{ }^{33} \mathrm{xa}^{55}$

| one 10,000 <br> one point (needle) | $\mathrm{t}^{\mathrm{h}} \mathrm{b}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{~s}^{31}$ <br> $\mathrm{tu}^{31}$ | one grove <br> one 1000 |
| :--- | :--- | :--- |
| one night <br> one basket | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{33} \mathrm{~b}^{55}$ | one disk |
| one half <br> one step | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{xum}^{55}$ | one foot (12") |
|  | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}$ | one bag |

The numeral one has a 55 tone when it is used to count, but when it occurs with other lexical categories its tone changes to either 31 or 33 . The variation displays a certain degree of systematicity: the numeral before a word with 31 tone carries a 55 tone; and in other cases, the numeral carries either a 31 tone or a 33 tone. Since the patterns are not stable and thus no prediction is possible, we could only record them as we heard them in elicitation.
(5) Some voiced consonants occur in free variation with their voiceless counterparts. For instance, the voiced lateral and the voiceless lateral fricative are two different phonemes, but in some verbs and adjectives, they occur in free variation. Several examples follow.

| voiced |  | voiceless |  |
| :--- | :--- | :--- | :--- |
| $\lim ^{31}$ | $\leftrightarrow$ | $\lim ^{31}$ | bury |
| $\operatorname{lan}^{55}$ | $\leftrightarrow$ | $\mathrm{qan}^{55}$ | tongue |
| $\mathrm{la}^{55}$ | $\leftrightarrow$ | $\mathrm{qa}^{55}$ | take |
| $\mathrm{li}^{31} \mathrm{mu}^{33}$ | $\leftrightarrow$ | $\mathrm{qi}^{31} \mathrm{mu}^{33}$ | welding |

The nasals $\mathrm{m} / \mathrm{m}, \mathrm{n} / \mathrm{n}, \mathrm{n}_{\mathrm{o}} / \mathrm{n}_{,}, \mathrm{n}_{0} / \mathrm{n}, \mathrm{n} / \mathrm{n}$ behave the same way as the laterals. We even get voiced fricatives occurring in free variation with their voiceless counterparts.
(6) Aspirated consonants in Anong have a low frequency of occurrence. However, aspiration is phonemic in Anong. In some words, aspirated voiceless stops occur in free variation with unaspirated voiceless stops. The following are some examples.

| unaspirated |  | aspirated |  |
| :--- | :--- | :--- | :--- |
| $\mathrm{y}^{31} \mathrm{di}^{31} \mathrm{pum}^{35}$ | $\leftrightarrow$ | $\mathrm{y}^{31} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{um}^{35}$ | price |
| $\mathrm{a}^{31} \mathrm{pa} \mathrm{\eta}^{55}$ | $\leftrightarrow$ | $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55}$ | spoon |
| $\mathrm{pu}^{31} \mathrm{la}^{55}$ | $\leftrightarrow$ | $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{la}^{55}$ | poison |
| $\mathrm{la}^{31} \operatorname{tin}^{31}$ | $\leftrightarrow$ | $\mathrm{la}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{31}$ | mon- |
|  |  |  | ster |

In addition to the above, there are some other cases of free variation between certain sounds. For instance, in the initial position of syllables that begin with a vowel, sometimes they occur with a glottal stop and
sometimes the glottal stop is deleted. Although this alternation can be contrastive, it no longer does so in most instances. Also, $[\mathrm{x}],[\mathrm{z}],[\mathrm{z}]$ are interchangeable in a limited number of words. Sometimes they can even be interchangeable with the vowel [i] in syllable initial position. The following examples illustrate this phenomenon.
$\mathrm{io}^{55} \mathrm{mun}^{55} \leftrightarrow \mathrm{Io}^{55} \mathrm{mun}^{55} \leftrightarrow \mathrm{zo}^{55} \mathrm{mun}^{55} \leftrightarrow \mathrm{zo}^{55} \mathrm{mun}^{55} \quad$ cloud
$\mathrm{Ium}^{55} \mathrm{mun}^{55} \leftrightarrow \mathrm{zu}^{55} \mathrm{mun}^{55} \leftrightarrow \mathrm{ius}^{55} \mathrm{mun}^{55} \leftrightarrow \mathrm{zum}^{55} \mathrm{mun}^{55}$ cure
All of the above free variation patterns are so frequent in Anong that is is difficult to describe them completely.

### 5.3. Grammatical Restructuring

Anong has a rich grammatical system indicated through prefixation, suffixation, and inflection. The drastic changes Anong is undergoing is also reflected in changes in its grammatical system. The system is relatively fully preserved in the speech of level A speakers. It is no longer strictly observed by speakers with Level B or lower fluency (see Chapter 1 for descriptions of different proficiency levels). Many of the grammatical structures either disappeared or have been simplified. The ensuing discussion is based on the findings of the language proficiency survey mentioned in the introduction. Only a few common categories and structures will be described here.

### 5.3.1. Plural Marking on Nouns

The plural is marked by particles in Anong. There are two plural particles, $\mathrm{z} 1^{31} \eta \mathrm{u}^{31}$ and $\mathrm{mu}^{53}$, both of which came from measure words through the grammaticalization process. The $z 1^{31} \eta \mathrm{um}^{31}$ particle occurs with animate nouns whereas the $\mathrm{mu}^{53}$ particle can be used with any count noun. In Level B fluency speech, plural markers no longer occur, and quantifying expressions, such as the word meaning 'many', are used instead. The following two sentences illustrate the use of plural marking among speakers with Level A and Level B fluency.

Level A fluency:

guest group all come (directional.suffix)
'The guests have all come.'

Level B fluency:

| $\mathrm{mur}^{31}$ |  |  |  |
| :--- | :--- | :--- | :--- |
| gem |  |  |  |
| guest | ( $\left.\mathrm{bumm}^{31} \mathrm{bum}^{31}\right)$ | $\mathrm{da}^{31} \mathrm{dan}^{55}$ | $\mathrm{dza}^{31}$ | | $\mathrm{a}^{31} \mathrm{ba}^{55}$ (indefinite) |
| :--- |
| many |
| many guests have come. |

### 5.3.2. Possessives

Anong has a residual possessive marking system in the form of a prefix to nouns. It is still widely used in the speech of Level A fluency speakers. A considerable number of kinship terms take the possessive prefix. In fact, even some animate nouns can occur with the prefix. This marking system has disappeared in the speech of speakers with Level B fluency, and pronouns are used in its place. Examples are given below.

| person | Level (A) | Level (A) | Level (B) |  |
| :---: | :---: | :---: | :---: | :---: |
| 1 | $\mathrm{a}^{31} \mathrm{mu}^{31}$ | $\mathrm{na}^{31} \mathrm{a}^{31} \mathrm{mu}{ }^{31}$ | $\mathrm{ya}^{31} \mathrm{a}^{31} \mathrm{mu}{ }^{31}$ | my mother |
| 2 | $\eta \mathrm{m}^{31} \mathrm{mu}{ }^{31}$ | $\eta \mathrm{a}^{31} \mathrm{num}^{31} \mathrm{mu}{ }^{31}$ | $\eta \mathrm{a}^{31} \mathrm{a}^{31} \mathrm{mu}{ }^{31}$ | your mother |
| 3 | $\mathrm{y}^{31} \mathrm{mur}^{31}$ | $\mathrm{Pn}^{31} \mathrm{n}^{31} \mathrm{mu}{ }^{31}$ | $\mathrm{y}^{31} \mathrm{a}^{31} \mathrm{mu}^{31}$ | his mother |

The above examples show that the forms produced by speakers with Level A fluency in the first column still take possessive prefixes. In the second column, Level A speakers used pronouns in addition to the possessive prefixes. In the third column, the forms produced by speakers with Level B fluency indicate that the possessive prefix has mostly disappeared leaving only a residual form $\alpha$ - with no grammatical function. This is in fact the prevalent prefix a-/a- in front of kinship terms among many current day Sino-Tibetan languages.

### 5.3.3. Changes in the Numeral System

Anong has its own numeral system, which has basically preserved the characteristics of numeral systems of Tibeto-Burman languages. Except for the one's place, the ten's place and the hundred's place, one can count up to a thousand. However, among speakers with Level B fluency, the situation is quite complicated. Some of them can count up to a hundred in Anong using Lisu words for the rest, some up to ten, some can only say the lower numbers, and some use Lisu words even for the lower numbers. This situation resulted in Anong having two
numeral systems, with a native system and a borrowed system from Lisu co-existing at the same time, which is illustrated by the examples given below.

| number | Original | $<$ Lisu | number | Original Anong | < Lisu |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$ | 11 | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$ | $\mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{ti}^{55}$ |
| 2 | $\mathrm{a}^{31} \mathrm{ni}^{55}$ | $\mathrm{ni}^{31}$ | 12 | $\mathrm{t}^{\mathrm{h}}{ }^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{n}_{\mathrm{i}}{ }^{55}$ | $\mathrm{ts}^{\mathrm{h}} 1^{55} \mathrm{ni}^{3}{ }^{31}$ |
| 3 | $\mathrm{a}^{31}$ som $^{53}$ | $\mathrm{sa}^{55}$ | 13 | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\text {h }} \mathrm{ai}^{55}$ som $^{53}$ | $\mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31} \mathrm{sa}^{55}$ |
| 4 | b.is ${ }^{53}$ | $1 i^{33}$ | 14 | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{~b}_{\text {di }}{ }^{53}$ | ts $^{\text {h }} 1^{31} \mathrm{li}^{33}$ |
| 5 | $\mathrm{p}^{\mathrm{h}} \mathrm{al}^{31}$ | nua ${ }^{31}$ | 15 | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{al}^{31}$ | ts $^{\text {h }}{ }^{55} \mathrm{yua}^{31}$ |
| 6 | kuy ${ }^{55}$ | tso ${ }^{53}$ | 16 | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\text {ha }} \mathrm{i}^{55} \mathrm{kum}^{55}$ | ts $^{\text {h }} 1^{31}$ tso ${ }^{53}$ |
| 7 | S17 ${ }^{35}$ | S1 ${ }^{31}$ | 17 | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{SI}^{1} \mathrm{n}^{35}$ | $\mathrm{ts}^{\text {h }}{ }^{55} \mathrm{Sl}^{31}$ |
| 8 | ¢عn ${ }^{55}$ | he ${ }^{53}$ | 18 | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\text {ha }} \mathrm{i}^{55}{ }^{\text {c }}$ ¢ ${ }^{55}$ | ts $^{\text {h }} \mathrm{q}^{31} \mathrm{he}^{53}$ |
| 9 | $\mathrm{dum}^{31} \mathrm{gux}^{31}$ | $\mathrm{ku}^{55}$ | 19 | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{dum}^{31} \mathrm{gux}^{31}$ | ts ${ }^{\text {b }}{ }^{31} \mathrm{ku}^{55}$ |
| 10 | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$ | ts ${ }^{\text {b }}{ }^{55}$ | 20 | $\mathrm{a}^{31} \mathrm{ni}^{5}{ }^{5} \mathrm{ts}^{\text {h }} \mathrm{a}^{55}$ | $\mathrm{ni}^{\text {31 }}{ }^{1} \mathrm{ts}^{\mathrm{h}}{ }^{55}$ |
| 100 | $\mathrm{t}^{\text {h }}{ }^{55} \mathrm{ca}^{55}$ | $\mathrm{t}^{\text {h }}{ }^{31}{ }^{1} \varepsilon^{33}$ | 1000 | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{tu}^{31}$ | $\mathrm{t}^{\text {h }}{ }^{31} \mathrm{tu}^{55}$ |

The ordinal number system is even more interesting. Anong has three co-existing systems, namely, the native system, a system borrowed from Chinese and a system borrowed from Lisu. The system borrowed from Chinese is actually used the most frequently probably because of its simplicity, see the examples given below.

| gloss | Original Anong | < Chinese | < Lisu |
| :---: | :---: | :---: | :---: |
| first | $\mathrm{ku}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{qy}^{55} \mathrm{t}^{\text {h }}{ }^{\text {i }}{ }^{\text {d }}$ | $\mathrm{ti}^{35} \mathrm{i}^{31}$ | $\mathrm{e}^{55} \mathrm{vu}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ma}^{33}$ |
| second | $\mathrm{kur}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{ql}^{55} \mathrm{a}^{31} \mathrm{ni}_{1}{ }^{55}$ | $\mathrm{ti}^{35} \varepsilon^{35}$ | $\mathrm{ni}^{31} \mathrm{ma}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ma}^{33}$ |
| third | $\mathrm{ku}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{dy}{ }^{55} \mathrm{a}^{31}$ som $^{53}$ | $\mathrm{ti}^{35} \mathrm{~s}^{55}$ | $\mathrm{sa}^{55} \mathrm{ma}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ma}^{33}$ |
| fourth | $k u^{31} p^{\text {h }} \mathrm{al}^{55} \mathrm{~b}$ di ${ }^{53}$ | $\mathrm{ti}^{35} \mathrm{~s} 1^{35}$ | $\mathrm{li}^{33} \mathrm{ma}^{33} \mathrm{t}^{\text {h }}{ }^{31} \mathrm{ma}^{33}$ |

### 5.3.4. Person Marking on Verbs

Verbs in Anong are marked for person and number through prefixes, suffixes and verb root inflections. Generally, the verb agrees in person and number with the subject, though in some cases the agreement also occurs on modifiers of the subject or object. This is the case with speakers of Level A fluency. For speakers with Level B fluency, the situation is quite different. The agreement marking system is no longer strictly observed. Sometimes it is used, while at other times it is
not used by the same speakers. Oftentimes it is only used to mark first and second persons with no marking for dual and plural. Object and other constituents agreement marking has completely disappeared. This is illustrated in the examples given below using the verb $\mathrm{a}^{31} \mathrm{n} \varepsilon^{33}$ 'hit' showing the differences between Level A and Level B fluency speakers' use of person marking.

Table 25: Agreement systems (Fluency Levels A and B)

| number | person | Fluency (A) | Fluency (B) |
| :---: | :---: | :---: | :---: |
| singular | 1 | $\mathrm{a}^{31} n_{1} \varepsilon \mathrm{y}^{35}$ | $\left.a^{31} n_{2} \varepsilon\right)^{35}$ |
|  | 2 | $\eta \mathrm{a}^{31} n \varepsilon^{33}$ | $\eta \mathrm{a}^{31} n \varepsilon^{33}$ |
|  | 2 | $\mathrm{a}^{31} n \varepsilon^{33}$ | $\mathrm{a}^{31} n \varepsilon^{33}$ |
| dual | 1 | $\mathrm{a}^{31} n \varepsilon^{33} \mathrm{~s} \varepsilon^{55}$ | $\mathrm{a}^{31} n \varepsilon^{33}$ |
|  | 2 | $\eta a^{31} n \varepsilon^{33} s \varepsilon^{55}$ | $n \mathrm{a}^{31} n \varepsilon^{33}$ |
|  | 3 | $\mathrm{a}^{31} n \varepsilon^{33}$ | $\mathrm{a}^{31} n \varepsilon^{33}$ |
| plural | 1 | $\mathrm{a}^{31} n \varepsilon^{33} \mathrm{i}^{31}$ | $\mathrm{a}^{31} n \varepsilon^{33}$ |
|  | 2 | $\eta a^{31} n \varepsilon^{33} \eta u^{31}$ | $n \mathrm{a}^{31} n \varepsilon^{33}$ |
|  | 3 | $\mathrm{a}^{31} n \varepsilon^{33}$ | $\mathrm{a}^{31} n \varepsilon^{33}$ |

Notes on Table 25:
(1) The use of agreement marking does not show clearly delineatable differences by age. In other words, the use of person and number marking varies quite a bit among all Anong speakers, mainly correlating with proficiency levels. Those who are proficient still preserve the agreement marking of person and number. Those who are no longer proficient either show an incomplete marking system or do not use any of them at all.
(2) We surveyed over ten types of speakers. We first sorted out the agreement system among Level A speakers and then checked them among Level B speakers. The table above represents a summary of the results we obtained.
(3) The data show that in terms of first person and second person marking for agreement, there is no difference between Level A and Level $B$ speakers. That is to say the person agreement marking system is still well preserved. The difference lies in number marking. Level B speakers no longer differentiate singular, dual, and plural.

### 5.3.5. Causatives

Causatives in Anong are indicated through either prefixes or inflection of the verb root. In 1983, we collected a full set of examples showing causative marking in Anong through prefixation. The data were collected from a 70 -year old Anong speaker by the name Hán Wénjùn. It is clear that the Anong system is a remnant of causatives in Tibeto-Burman languages. However, in 1999 when we went back to double check on those forms, our informant already passed away. We found another Anong speaker as our informant, but this informant rejected all of the causative forms we collected from Hán Wénjùn. Further checking with other speakers reveal that some accepted the forms while others rejected them. And those who accepted those forms showed differences in the causative forms they provided. Clearly causative markings are disappearing in Anong. Those speakers who have it also showed sound differences. Although the differences correlate with age differences, they mirror the changes in causatives in Tibeto-Burman languages, and even to some extent, Sino-Tibetan languages. Therefore, we treated causatives as a special project and studied this grammatical category in detail. Since we already described the causatives in elderly speakers in the chapter on grammar, here we will only discuss the use of causatives in different age groups (see also Sun 1999b:183-199).

| gloss | verb | Fluency (A) | Fluency (B) |
| :---: | :---: | :---: | :---: |
| bury | $\lim ^{55}$ | $61^{31} \lim ^{55}$ | 4im ${ }^{55}$ |
| collapse | $\operatorname{dim}^{55}$ | $\mathrm{ci}^{31} \mathrm{dim}^{55}$ | $\operatorname{ctim}^{55}\left(\mathrm{t}^{\mathrm{h}} \mathrm{im}^{55}\right)$ |
| cry | nus ${ }^{55}$ | $s 1^{31} \mathrm{num}^{55}$ | ทูu ${ }^{55}$ |
| cut off (stick) | dzun ${ }^{55}$ | $6 i^{31}$ dzun ${ }^{55}$ | ctcun ${ }^{55}\left(\right.$ tc $^{\text {h }}$ uı $\left.{ }^{55}\right)$ |
| know | $n \mathrm{ni}^{55}$ | $¢^{31}{ }^{31} \mathrm{ni}^{55}$ | $n_{6} \mathrm{i}^{55}$ |
| smash (bowl) | $\mathrm{ga}^{55}$ | $\mathrm{s}^{31} \mathrm{ga}^{55}$ | hka ${ }^{55}\left(\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}\right)$ |
| white | $\mathrm{b} \varepsilon^{55} \varepsilon^{31}$ | $\mathrm{s}^{31} \mathrm{~b} \varepsilon^{55} \varepsilon^{31}$ | $h p \varepsilon^{55}\left(\mathrm{p}^{\mathrm{h}} \varepsilon^{55}\right) \varepsilon^{31}$ |
| wear (clothes) | $\mathrm{gua}^{55}$ | dum ${ }^{31} \mathrm{gua}^{55}$ | $\mathrm{gua}^{55}$ |
| flat | $\mathrm{a}^{31} \mathrm{~d} z \mathrm{a}^{31}$ | $p^{\text {h }} \mathrm{a}^{31} \mathrm{~d} \mathrm{za}^{31}$ | $\mathrm{a}^{31} \mathrm{~d} \mathrm{za}^{31}$ |
| sour | $\mathrm{m}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{um}^{55}$ | $\mathrm{p}^{\mathrm{h}} \mathrm{am}^{31} \mathrm{tc}^{\mathrm{h}} u m^{55}$ | $\mathrm{m}^{31} t^{\text {h }} \mathrm{mm}^{55}$ |

Notes on the ten examples above.
(1) In Anong, causatives occur with not only verbs but adjectives as well, illustrated by 'white', 'flat', and 'sour' in the examples above.
(2) The causative is marked by prefixation. The most frequently used prefix is $s 1^{31} / \epsilon^{31}$. Other prefixes used are dum ${ }^{31}$, and $p^{h} u^{31}\left(p^{h} a^{31}\right)$. The $s^{31}$ becomes ci $^{31}$ when it occurs before a palatal consonant followed by [i]. When $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ occurs before verbs or adjectives that already have the prefix $\mathrm{a}^{31}$, then it becomes $\mathrm{p}^{h} \mathrm{a}^{31}$, which is a combination of $p^{h} u^{31}$ and $a^{31}$. The frication of the consonants in these two forms of the causative marker is rather slight among elderly speakers' speech. They are hardly audible in middle-aged speakers' speech. This indicates that causatives are undergoing changes in Anong.
(3) Some sound changes have occurred due to the pronunciation changes the causative prefixes have undergone. Fricatives have weakened to a slight puff of air resulting in the loss of the prefix as an independent syllable, which led to changes in the consonants in initial position of the verb or adjective root. Voiced consonants have become voiceless and aspirated while stops have disappeared altogether.

The differences shown in the speech of different age groups in Anong causatives provide good evidence for the paths of change for causatives. These data help explain the various residual forms of causative markings among Tibeto-Burman languages, because the case in Anong illustrates one of the links in the continuum of changes this grammatical category has been undergoing among Tibeto-Burman languages.

### 5.3.6. Grammatical Particles

Anong has a set of grammatical particles for marking possessive, causative, accusative, instrumental, locative, allative (source), comparative, and definite. These particles fulfill very important grammatical functions, and the rules for their use are generally speaking quite strictly observed. However, in recent years, changes have occurred among speakers in different age groups with different levels of proficiency. Elderly speakers who are proficient still strictly follow the rules governing the use of those particles. Those who are younger and those who are not proficient no longer follow those rules strictly.

|  | Fluency (A) | Fluency (B) | notes: |
| :---: | :---: | :---: | :---: |
| conjunctive: | $n i^{55}, \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | basically not used |
| causative: | $\mathrm{mi}^{53}$ | $\mathrm{mi}^{53}$ | still in use |
| recipient: | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}, \mathrm{ba}^{31}$ | $\mathrm{ba}^{31}$ | basically not used |
| instrumental: | $\mathrm{mi}^{55}$ | $\mathrm{mi}^{55}$ | basically not used |
| temporal: | $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{35}$ | - | not used |
| locative: | duy ${ }^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}, \mathrm{t}^{\mathrm{h}} \mathrm{Cl}^{55}$, | - | not used; use points |
|  | $\mathrm{p}^{\mathrm{h}} \mathrm{ar}^{33}$ |  | of compass |
| source: | $\left.\mathrm{k}^{\mathrm{h}} \mathrm{u}\right)^{31} \mathrm{ne}^{55}, \mathrm{ne}^{55}$ | $n e^{55}$ | only use ne ${ }^{55}$ |
| comparative: | $t^{\mathrm{h}} \mathrm{an}^{55} \mathrm{a}^{31}, \mathrm{p}^{\mathrm{h}} \mathrm{an} \eta^{33} \mathrm{a}^{31}$ | $t^{\text {h }} \mathrm{an}^{55} \mathrm{a}^{31}$ | basically not used |
| continuative: | $\left.\eta \varepsilon^{31} n \varepsilon\right)^{31}, \operatorname{ta}^{55} \mathrm{ti}^{55}$ | - | not used |
| comitative | $\mathrm{zan}^{31}$ | - | not used |
| definite: | $\eta \omega^{31}, a^{31}$ | $\eta \mathrm{Ul}^{31}, \mathrm{a}^{31}$ | used more often |
| adverbializer: | $\mathrm{li}^{31}, \mathrm{Sl}^{31}, \mathrm{ua}^{33}, \mathrm{ua}^{33} \mathrm{li}^{31}$ | $\mathrm{ua}^{33}$ | only use $\mathrm{ua}^{33}$ |

The possessive particle is only used when the possessee is omitted. The description 'basically not used' means sometimes it is used and sometimes it is not used, or some speakers use it while others don't. Among the elderly speakers, a difference is made in comparison, namely, superior comparison and inferior comparison. For instance, in 'I am older than you' the superior comparative form is used and in 'I am younger than you' the inferior comparative form is used. However, most speakers no longer make this distinction, including Level A speakers. Sometimes, even when it is used, only the superior comparative form is used. The definite particle is used more often among Level B speakers than Level A speakers, showing a tendency to replace other particles.

### 5.3.7. The Copulas

Among Tibeto-Burman languages, especially those with rich morphology, the copula verb can not be omitted in copula constructions. Further, the copula verb undergoes various morphological processes marking various grammatical functions, such as person, number, aspect, and voice. However, those languages that are not rich in morphology allow omission of the copula. Anong is somewhere in between. In Level A speakers' speech, the copula is still required, and the copula inflects for negation. Among Level B speakers, the copula is usually omitted in affirmative sentences. In negative sentences, the copula is required, but its morphological inflection has disappeared. The following two sentences illustrate these differences.

Level A speaker:


Clearly, in the Level A speaker's speech, the copula $\mathrm{z}_{1} 11^{55}$ is made up of the root $\mathrm{z}_{\mathrm{l}}{ }^{55}$ and the first person singular marker y . In contrast, the Level B speaker no longer uses the first person singular marker.

### 5.3.8. Stories and Texts

Anong has a rich oral literature tradition, including myths, epic stories, legends, congratulatory speeches, and ancient songs. However, very few elderly speakers still remember them. When collecting texts, we discovered that very few elderly speakers have the ability to tell stories eloquently using expressive language with moving plots and good coherence. Such performances often use vivid expressions such as four-syllable rhyming constructions, idioms and sayings, and couplet sentences. Even those who are still proficient do not necessarily have the ability to tell stories. Some can tell stories to some extent using simplistic language with incoherent and poor plots. Most Anong speakers can no longer tell stories.

It should be pointed out that the differences between different age groups and different proficiency level speakers are more extensive than we depicted here. We have only discussed the most transparent cases. More subtle differences in lexicon, phonological and grammatical structures will be discussed in later studies.

## CHAPTER SIX

## ANONG IN TIBETO-BURMAN

In the western linguistics literature, when the Nung languages are discussed, until recently there has been a tendency to limit the discussion to the Nung languages found in Burma, such as Rawang which is similar to Trung, as if they were quite similar. However, in actuality, the languages in the Nung ethnic group differ in major ways. They can be divided into four branches, ${ }^{1}$ one of which is the Anong branch that consists of two languages, namely, Anong and the Nujiang dialect with the ethnonym Anong, a language which is similar to Trung.

Anong belongs to the Tibeto-Burman language family. However, is it a separate language? What languages in the Tibeto-Burman language family are close to Anong? How should Anong be subgrouped within Tibeto-Burman? These questions must be answered for any newly discovered language. And in this chapter, we will discuss those questions from two perspectives.

### 6.1. Anong as a Separate Language

When we first started investigating Anong in 1960, we thought that the speakers of Anong were ethnically Nung. Although there were differences between Anong and the Nung languages, they might be just dialectal or subdialectal differences. So maybe Anong was close to the Nung languages. Therefore, we considered classifying all these languages including Anong as closely related. In 1961-62, the then Minority Nationality Languages Research Institute entrusted us with the task of working out the subgrouping of Trung and Nung languages through a comparative study. After almost two years of research, we reached a conclusion: The main language in the Nung ethnic group is Nusu, which we classified as a Yi (Loloish; Lolo-Burmese) language. Trung

[^27]is close to languages in the Jingpo subgroup so we classified Trung as a Jingpo language.

Later further investigation revealed that the Nung ethnicity speaks four different languages: Nusu, Zauzou (Chinese: Róuruò), Anong, and Trung (Dúlóng). And the languages have marked differences. Additional data from all of those languages and more in-depth comparative research indicate that the languages are so different that they do not look like dialects of the same language. After we documented Trung, we discovered that Anong is very similar to Trung. So the question is is Anong a dialect of Trung? After the grammatical sketch of Trung was published, we made several more trips to the Anong area to collect more data. After we did more comparative research in the late ' 80 s and completed the grammatical sketch of Anong, we finally concluded that Anong is a separate language. In the following sections, we will demonstrate that the Nung groups all speak different languages.

### 6.1.1. Sound Comparisons

In this section, we will look at initials, finals, tones, and syllable structures to find out what differences exist between those languages.

## (1) Initials

Initials consist of single consonants or consonant clusters, though Zauzou no longer has consonant cluster initials (although it does have affricates).
(A) Single Consonant Initials

Table 26: Initial single consonants

|  | Anong (Nujiang) | Nusu | Zauzou | Trung |
| :---: | :---: | :---: | :---: | :---: |
| bilabial | $\mathrm{p} \mathrm{p}^{\mathrm{h}} \mathrm{b}$ m m | p ph b m m | p ph m | p phbmw |
| labiodental | fv | f fh v | fv |  |
| alveolar sibilant | ts ts ${ }^{\text {b }} \mathrm{dzsz}$ | ts tsh dz s sh z | ts tsh s z | ts tsh dz s z |
| alveolar | $\mathrm{t} \mathrm{t}^{\text {h }} \mathrm{d} \mathrm{n} \mathrm{n}+\mathrm{l}$ | t th d n n $\mathrm{l}^{\text {l }}$ | t th n 1 | t th d nl |
| retroflex |  | tst tsh dzs, | - | tss tsh ss. |
|  | ts ts ${ }^{\text {b }}$ dzs, $\mathrm{z}_{6}$ | sh z.I |  |  |
| palatal |  | $t_{6} \mathrm{t}$ tch dz | tctch $\mathrm{n}_{6} \mathrm{C}$ | $t_{6} \mathrm{tch} \mathrm{d} 7$ |
|  |  |  |  | $\eta, \mathrm{C}^{\mathrm{j}}$ |
|  |  | k kh g y yx ¢ | k khyxy | k khgnx |
| glottal | ? h | ? h | ? | ? |

For Trung we have used the Nujiang dialect of Trung, who are of Nung ethnicity. Their autonym is Anong, and they described themselves as the same people but speaking different languages. The data used are from Nujiang dialect of Trung. Through comparison, we can see the differences among these languages in terms of consonants.

First, Anong has retroflex stops, nasals, and a retroflex lateral that the other languages do not have; its voiceless nasals have a high frequency of occurrence. Nusu has voiceless fricatives while the other languages do not; its voiceless nasals also have a high frequency of occurrence. Zauzou has lost all of the voiced stops and affricates. It has not developed any retroflex consonants yet. It does not have voiceless nasals or voiceless lateral. The retroflex and labiodental consonants in Trung only occur in Chinese borrowings and have a low frequency of occurrence. It has neither voiceless nasals nor laterals. It has developed bilabial and palatal glides.

Second, in terms of complexity and quantity, Zauzou has the least complex and smallest in number consonant system, with a total of 22 consonants, followed by Trung with 33 consonants. Both Anong and Nusu are complex in their consonant systems with more than 45 consonants.
(B) Consonant Clusters

Table 27: Consonant clusters

|  | Anong | Nusu | Zauzou | Trung |
| :---: | :---: | :---: | :---: | :---: |
| 1+C | Pb Pd Pd Pg Pdz ? dz ? dz ? m ? n <br>  | ?m ?n 31 ? | - | - |
| C+. |  | p. ph.ı b.ı m.I m.i. f.I v.ı k.. kh.ı gi x.I | - | p. phis b. m.ı kı kh. g. x.ı |
| C+1 | - | - | - | pl phl bl ml kl khl gl |

First, Zauzou no longer has consonant clusters. Anong allows clusters consisting of a glottal stop followed by a consonant, a consonant plus a glide, and even a glottal stop plus consonant plus glide combination. Nusu is similar to Anong though it only allows a glottal stop plus either
a nasal or a lateral but it no longer allows glottal stop plus stop clusters or affricate clusters. Trung does not have glottal stop plus consonant clusters; however, it not only has consonant plus glide clusters but also allows consonant and lateral liquid clusters, the latter being a remnant of Proto-Tibeto-Burman.

Second, remnants of the old Tibeto-Burman consonants clusters can be seen in the consonant clusters of the Nung languages. Zauzou lost its consonant clusters the earliest, followed by Nusu, which still retains some. Anong and Trung both still possess some unique features: Anong still allows glottal stop plus consonant clusters and CCC- consonant clusters, whereas Trung still has consonant clusters that consist of a consonant and a lateral liquid. These features are the last remnants of an old system.
(2) Finals

Finals are made up of simple vowels, diphthongs, and vowel plus consonant combinations.
(A) Simple Vowel Finals (Broad Phonetic Transcription)

Table 28: Simple vowel finals

|  | Anong | Nusu | Zauzou | Trung |
| :---: | :---: | :---: | :---: | :---: |
| plain | ie $\varepsilon$ ad | ieとaso | ie $\varepsilon$ ao | ieaou |
|  | ouym? | u แəy1 ${ }^{\text {a }}$ |  | uy |
| nasalized | กิ̃ $\tilde{\varepsilon}$ 矢 $\tilde{\mathrm{a}}$ | ก̃ẽ $\tilde{\varepsilon} \tilde{\mathrm{c}}$ o | ĩ ẽ $\tilde{\varepsilon}$ ã | - |
|  | ô ũ ũ | กั น̃วิ $\frac{1}{1}$ | õ $\tilde{y}$ |  |
| retroflexed | - |  | - | - |
| constricted | - |  |  | - |
| constricted \& retroflex | developing | , .1. | - | - |
| constricted, nasalized, \& | - | $\underset{\sim}{\text { ã. }}$ | - | - |
| retroflexed constricted \& nasalized | - | - | ~ ${ }^{\tilde{1}} \tilde{\sim}$ | - |
| short | - | - | - | ĭ ĕ ̆ ${ }^{\text {ŏ ŭ ŭu }}$ |

What is common among these four languages is that they all have a rich simple vowel series. Many differences exist among these languages in their vowel systems.

First, Anong has both a simple vowel series and a nasalized simple vowel series, and there is evidence that Anong is developing constricted vowels (see Chapter five for details). Nusu and Zauzou, as members of the Yi (= Loloish) subgroup, both have constricted vowels, which is characteristic of Yi (= Loloish) languages. The nasalized vowels in Nusu and Zauzou are remnants (of earlier vowel plus nasal combinations), which indicate that those two languages are more conservative among the Yi languages. Nusu not only developed retroflex vowels but retroflex nasalized vowels as well. In addition, it has developed retroflex constricted vowels. These features result in a complex vowel system for Nusu which has a vowel inventory of 35 for simple vowels alone, making Nusu a language with the most complex simple vowel system among the Sino-Tibetan languages. Trung's simple vowel system has not developed as many contrasts. However, it does have a long vowel versus short contrast, a relatively rare feature among Tibeto-Burman languages.

Second, the vowel systems of those four languages indicate that changes in the syllable structure, that is, the reduction in both the onset and coda positions of the syllable, correlate with the degree of complexity in the vowel system. Thus, since the endings in finals are largely retained, the four languages have not undergone much vowel splitting and their vowel systems are not as complex. As a result, their vowel systems are not as complex. In this respect, Anong is in the middle while Nusu has the most complex system. Zauzou has already passed the most complex stage and is now undergoing simplification. This cycle of sound change constitutes a continuum, which correlates with the contact patterns of the languages in question. Zauzou is the closest to Chinese speaking regions and began to have the earliest contact with the outside, followed by Nusu, with Anong and Trung being the most isolated.
(B) Diphthongs and Triphthongs:

Table 29: Diphthongs and triphthongs

| Types | Anong | Nusu | Zauzou | Trung |
| :---: | :---: | :---: | :---: | :---: |
| $i+V$ | ie, i $\varepsilon$, ia, ia, io, $i u, i \omega$, iẽ, iã, iã | ie, ic, ia, in, io,iu, ie, <br>  io, ię, iũ, iã.ı, iə | ie, iє, iz , ia, iã, io, io , io, io, iu, iu | $\mathrm{i}=\mathrm{j}$ |
| $u+V$ | ui, ue, uع, ua, ua, uẽ, uã | ui, ue, ue, ua, up, uai., uã, uoı, uẽ, ue, uヘ̃̃, $u \tilde{\varepsilon}, ~ น จ ̃ ı, ~ u ॄ ̃, ~ u a ̃ ̃, ~$ แว̃., แจ̃, ua | ue, uẽ, ue, ua, uã, uã, <br>  uอ, uヘ̃, uจ | $\mathrm{u}=\mathrm{w}$ |
| $y+V$ | yi, ye, ye, yd | $\begin{aligned} & \text { yi, ye, yع, ya, y } \tilde{\varepsilon} \text {, } \\ & \text { yã, ye } \end{aligned}$ | yi, yiㅜㅜㄹ, ye, $\text { ya, y } \tilde{\varepsilon}, y \underset{\sim}{x}$ | ye |
| $\mathrm{u}+\mathrm{V}$ | mi, $\mathrm{q}^{\text {u }}$ | wi, we | - | - |
| $\mathrm{V}+\mathrm{i}$ | ei, ai, ai | - | - | ai, si, ui, ui, ăi, ${ }^{\text {bi, }}$ <br> ŭi, ŭi |
| $\mathrm{V}+\mathrm{u}$ | au | - | - | - |
| triphthong | iau, uai | - | - | - |

There are a lot of similarities between the four languages in terms of complex vowels, but there are also some notable differences. First, Nusu and Zauzou have not developed diphthongs that begin with the central vowel and then transition to i or u yet; both Anong and Trung have both types of diphthongs. Some of the diphthongs that end with i or u came from Chinese borrowings.

Second, Nusu has a few instances of diphthongs that begin with the transitional vowel $u$, which is uncommon among Tibeto-Burman languages. Diphthongs that begin the transitional with element y in Trung occur only in Chinese borrowings. In Anong, the frequency of occurrence of diphthongs that begin with the transitional element $y$ is quite low. This means that in Trung and Anong, diphthongs with y as the onset are a new development.

Third, diphthongs in Trung that begin with i or $u$ are treated as combinations of the semivowels y or w followed by a vowel and are realized as the palatalization or labialization of the vowel. In actuality, there are no qualitative differences (between such combinations and the diphthongs in the other languages).
(C) Finals with Consonantal Codas Differ Among the Four Languages

Table 30: Finals with consonantal codas

|  | Anong | Nusu | Zauzou | Trung |
| :---: | :---: | :---: | :---: | :---: |
| -p | - | - | - | $i p, ~ \grave{p}, ~ e p, ~ e ̆ p, ~ a p, ~ a ̆ p, ~ っ p, ~$ up, ŭp |
| -t | - | - | - | $i t$, ĭt, et, ĕt, at, ăt, $\mathfrak{t}$, $\breve{t}$ t, ut, ŭt, wut, ŭt |
| -k | - | - | - | ik , 1 lk , ek, ĕk, ak, ăk, $\mathrm{\jmath k}$, ŏk, uk, ŭk, uk, ŭk |
| - - | i?, $\varepsilon$ ? , a?, aP, o $\mathrm{o}, \mathrm{u}$, u?, $\uparrow$ ? io? u $\varepsilon$ ?, ua? | - | - |  u?, ŭ?, u? , ŭ? |
| -m | $\mathrm{im}, \mathrm{im}$, em, $\varepsilon \mathrm{m}, \varepsilon \mathrm{m}$, am, am?, om, om?, um, um, $\downarrow \mathrm{m}$, uam, uam | - | - | em, ĕm, am, ăm, $\varsigma \mathrm{m}$, $̆ \mathrm{~m}$, um, ŭm, 1 m ?, ĕm?, ăm?, っ̆m?, ŭm? |
| -n | in, inP, en, $\varepsilon n$, an, an?, an, un, un, un?, $\eta_{n}, \uparrow n 1$, i\&n, ian, uan, uan | - | - | in, ĭn, en, ĕn, an, ăn, on, ว̆n, un, ŭn, un, ŭn, yn, yon, ĭn?, ĕn?, ăn?, ŏn?, ŭn?, ŭn? |
| - $\eta$ | $\varepsilon \eta$, an, un, wn? | - | - | - |
| -n | in, $\chi^{n}, \varepsilon \chi_{0}$ | - | - | - |
| -n | in, en, $\varepsilon \eta$, an, an, on, un, १1, un, un?, iєn, ian, iun, imp, uan | - | - | in, ĭŋ, en, an, ŋn, $̆ ท$, un, ŭn, ung, ŭı, ı̆n?, ĕn?, ăŋ?, ว̆ท?, ŭท2, ŭท? |
| -1 | - | - | - | el, c̆l, al, ăl, ol, ŏl, ul, ŭl, ul, ŭl |
| -. | - | - | - |  |

The above table shows enormous contrasts in the codas across the four languages. First, Nusu and Zauzou, the two Yi languages, have lost all of the consonants in coda position.

Second, Trung has retained the original Tibeto-Burman coda position consonants including the nasals, the stops, and the lateral. The only consonant that does not occur in the coda position of finals is [s]. The retroflex [I], we suspect, is a variant of the earlier coda [r]. In Anong, all instances of stops, fricatives, and laterals have been lost in codas. The glottals in the coda are the remains of earlier stops. And
the vowels plus nasal combinations are in the process of becoming nasalized vowels. Anong has developed finals with retroflex nasals and palatal nasals. Where they came from can be figured out by comparing the forms with forms from other Tibeto-Burman languages.

Third, both Anong and Trung have nasal finals followed by glottal stops. Although Tibetan and some other Tibeto-Burman languages have finals with consonant codas, it is not clear whether the finals with glottal stop codas in Anong and Trung are cognate to these.

Fourth, the sound changes in those four languages have played an important role in determining the independent status of Anong. At least, phonologically, they set Anong far apart from the other three languages.

## (3) Tones

The tones of those four languages are also different, which are manifested in the following two ways.
(A) Number of Tones

The number of tones differ among those languages, which can be seen from the table below.

Table 31: Number of tones

|  | Anong | Nusu | Zauzou | Trung |
| :--- | :--- | :--- | :--- | :--- |
| high level 55 | / | / | / | / |
| mid level 33 | / |  | / |  |
| low falling 31 | / | / | / | / |
| high falling 53 | / | / | / | / |
| high rising 35 | / | / | / |  |
| low rising 13 |  |  | / |  |

Trung has only three tones. Nusu has four, while Anong has five. Zauzou has six which is the highest number of tones among those four languages. All four have a high level tone, a mid-falling tone, and a high falling tone. Three of the languages have a mid-rising tone, and two languages have a mid-level tone. Only one, i.e. Zauzou, has a low rising tone. These patterns show tendency toward tone development. Very few of the Tibeto-Burman languages have developed contour tones, which is an indication that Tibeto-Burman languages are more conservative in tone development than Chinese, Hmong, Mien, and Tai-Kadai languages.
(B) The Functional Load

The functional load of tones in those four languages differs in the following ways. First, although there is a correlation between the number of tones a language has and the functional load of the tones, it is not always true that the more the tones and the higher the functional load. For instance, Anong has more tones than Nusu. However, this does not mean that tones have a higher functional load in Anong than in Nusu. It is clear that Trung has the lowest functional load for tones whereas tones in Zauzou have the highest functional load.

Second, the functional load of tones is determined by their frequency of occurrence for making meaning distinctions. Although we have not done a thorough investigation of this, it is easy to find many examples in Zauzou where tones are used to signal meaning distinctions with otherwise identical forms. It is also relatively easy to find such examples in Nusu. However, it is hard to find them in Anong and Trung.

Third, our investigation reveals that tones in Zauzou and Nusu are relatively stable. Few instances of variation in the tone of the same word occur in either language. This is not so in Anong and Trung. Tones on the same word vary quite freely, and this is especially true in Anong.

Fourth, Trung and Anong are predominantly polysyllabic, while Nusu and Zauzou are basically monosyllabic. In Trung and Anong, tones have a relatively low functional load but in Nusu and Zauzou tones have a much higher functional load.

Fifth, Trung and Anong have complex sound systems with a high number of consonant clusters and finals. Nusu and Zauzou have relatively simple sound systems with many homophones making it necessary to use tones to signal meaning distinctions, which led to the increase in their functional load.

## (4) Syllable Structure

There are two marked differences between those four languages in their syllable structure. First of all, as members of the Yi subgroup, Nusu and Zauzou have predominantly open syllables because of the loss of consonants in coda position. In contrast, Trung and Anong still have numerous consonantal codas resulting in more closed syllables. The other major difference is that Trung and Anong are rich in prefixes and suffixes, which is why quite a number of the words in the basic word list are polysyllabic. Consequently, words in Nusu and Zauzou are mostly monosyllabic while Trung and Anong, which belong to the

Jingpo subgroup, are predominantly polysyllabic. Let's compare syllable structures in the four languages ( $\mathrm{T}=\mathrm{Tone}$; $\mathrm{C}=$ Consonant; $\mathrm{V}=$ Vowel).

Table 32: Syllable structures in the four languages

|  | Anong | Nusu | Zauzou | Trung |
| :---: | :---: | :---: | :---: | :---: |
| CT | / | 1 | / |  |
| VT | 1 | 1 | 1 | 1 |
| VVT | 1 | 1 | 1 | / |
| VVVT | 1 |  |  |  |
| CVT | 1 | 1 | 1 | 1 |
| CVVT | 1 | 1 | 1 | / |
| CVVVT | 1 |  | 1 |  |
| CCVT | 1 | 1 |  | 1 |
| CCCVCT | 1 |  |  |  |
| VCT | 1 |  |  | / |
| VVCT | 1 |  |  | 1 |
| CVCT | 1 |  |  | 1 |
| CVVCT | 1 |  |  | , |
| CCVVT |  |  |  | / |
| CVCCT |  |  |  | 1 |
| CCVCCT |  |  |  | 1 |

The table above shows that Anong has 14 different syllable types. Nusu and Zauzou have six each and Trung has a total of 13. The cause of the differences in syllables is the differences in consonant clusters and the differences in the occurrence of consonantal codas. Phonologically, the four languages can be divided into those that allow consonantal codas and those that do not: The languages that allow consonants in coda position do not have a constricted versus non-tight vowels contrast. Languages that are now without consonantal codas have a tight versus non-tight vowel contrast. The languages that allow a full range of consonantal codas have short vowels contrasting with their long counterparts. Languages that allow consonantal codas and tones have tones with a lighter functional load whereas tones in languages without consonantal codas have a higher functional load. Languages with consonants in coda positions have complex syllable structures, while those without consonants in coda positions have relatively simple syllable structures, and so on.

### 6.2. Lexical Comparison

In terms of differences in lexicon, Nusu and Zauzou are both predominantly monosyllabic languages, while Trung and Anong are mostly polysyllabic. All four languages share considerable basic vocabulary, as is evident in the clear correspondences between forms, which can be seen in the following table. An examination of these data provide evidence that Anong and Nusu are in one subgroup and Zauzou and Nusu are in the other. See immediately below the table for an explication of the numbers in the column on the right.

Table 33: Cognate sets in basic vocabulary (100 words)

|  | Anong | Nusu | Zauzou | Trung |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| sky | $\mathrm{mu}^{55} \operatorname{lan}^{31}$ | mum ${ }^{55}$ | $\mathrm{mur}^{33}$ | mŭ1 ${ }^{55}$ | 1 |
| sun | n ¢m ${ }^{31}$ | $\mathrm{ni}^{35} \mathrm{a}^{55}$ | $\mathrm{mio}^{31}$ | năm ${ }^{53} \mathrm{lun}{ }^{55}$ | 1 |
| moon | $5_{1}^{31} \mathrm{la}^{55}$ | $4 \mathrm{a}^{31}$ | $10^{31}$ | $\operatorname{sux}^{31} \mathrm{l}^{55}$ | 1 |
| star | $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{ni}^{55}$ | k.e ${ }^{31} \mathrm{lo}^{35}$ | $\mathrm{ki}^{55} \mathrm{zo}^{33} \mathrm{la}^{31}$ | $\mathrm{gu}^{31} \mathrm{n}_{\text {et }}{ }^{55}$ | 1 |
| wind | $\eta \mathrm{a}^{31} \mathrm{bu}^{31}$ | $m u^{55} \mathrm{a}^{31} \mathrm{id}^{35}$ | $\mathrm{mu}^{33} 1 \varepsilon^{33}$ | năm ${ }^{53} \mathrm{bu} \mathrm{V}^{53}$ | 2 |
| rain | ts $^{\text {h }}{ }^{31}$ | $m u u^{55} \mathrm{a}^{31} \mathrm{Iuq}^{55}$ | $\mathrm{mux}{ }^{33} \mathrm{vu}^{55}$ | năm ${ }^{53} \mathrm{za} \mathrm{P}^{55}$ | 3 |
| water | $\mathrm{tc}^{\text {h }} \mathrm{a}^{31} \mathrm{na}^{35}$ | . $\mathrm{il}^{31} \mathrm{g.a}^{53}$ | $\gamma^{33}$ | yan ${ }^{55}$ | 2 |
| earth | $\mathrm{la}^{31} \mathrm{ma}^{55}$ | m. $\mathrm{il}^{35} \mathrm{a}^{55}$ | $\mathrm{mi}^{33} \mathrm{ti}^{33}$ | m.a ${ }^{55}$ | 2 |
| mountain | $z_{1}{ }^{31}$ Puy ${ }^{55}$ | $\mathrm{yu}^{35} \mathrm{a}^{55}$ | $\mathrm{ko}^{53} \mathrm{tium}^{33}$ | $1 \mathrm{lu}^{31} \mathrm{kha}^{55}$ | 3 |
| stone | lun ${ }^{55}$ | $1 \mathrm{u}^{53}$ | $1 \mathrm{a}^{53}$ | lus ${ }^{55}$ | 1 |
| gold | S1 ${ }^{33}$ | $\mathrm{tci}^{35} \mathrm{a}^{55}$ | $\mathrm{tcic}^{31}$ | se. ${ }^{55}$ | 1 |
| silver | $p^{\text {h }} \mathrm{u}^{55}$ | yui ${ }^{35} \mathrm{a}^{55}$ | nue ${ }^{33}$ | nun ${ }^{55}$ | 4 |
| iron | $¢_{6 a^{31}} \mathrm{k}^{\mathrm{E}} \mathrm{\varepsilon}^{55}$ | $6 \mathrm{a}^{35}$ | $\mathrm{x} 0^{55}$ | ¢ ¢ $\mathrm{cm}^{53}$ | 4 |
| fire | $\mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{55}$ | $\mathrm{mi}^{55}$ | $\mathrm{mi}^{33}$ | $\mathrm{tur}^{31} \mathrm{mi}^{55}$ | 1 |
| ox | nô ${ }^{31}$ uã ${ }^{31}$ | $\mathrm{n} 0^{55}$ | $\mathrm{nu}^{33}$ | nuy ${ }^{55}$ yua ${ }^{53}$ | 1 |
| horse | $\mathrm{ma}^{31}$ | m.um ${ }^{31} \mathrm{la}^{55}$ | $\mathrm{mia}^{33}$ | $m u^{31} \mathrm{gus}^{53}$ | 1 |
| goat | $\mathrm{a}^{31} \mathrm{~b} \varepsilon^{55}$ | tşhõ ${ }^{55}$ | tçhe ${ }^{53}$ | tchit ${ }^{55}$ | 4 |
| sheep | $\mathrm{a}^{31} \mathrm{ian}^{31}$ | i $\tilde{a}^{55}$ | iã ${ }^{55}$ | jăn ${ }^{\text {53 }}$ | 1 |
| pig | Po ${ }^{55}$ | $\mathrm{va}^{53}$ | $22^{53}$ | wă1 ${ }^{55}$ | 1 |
| dog | $\mathrm{d} \varepsilon^{31} \mathrm{gr1} 1^{55}$ | khui ${ }^{55}$ | khyi ${ }^{33}$ | dum ${ }^{31} \mathrm{gi}^{55}$ | 1 |
| cat | $m w^{31} n_{i}{ }^{31}$ | $m w^{35} n \varepsilon^{31}$ | $\mathrm{na}^{55} \mathrm{ni}^{33}$ | $\mathrm{na}^{31} \mathrm{me}^{55}$ | 1 |
| bear | $S_{51}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ | khui ${ }^{55} \mathrm{uq}^{35}$ | $80^{55}$ | ¢ $\mathrm{mi}^{55}$ | 3 |
| rat | $\mathrm{a}^{31} \mathrm{din}^{55}$ | Iua ${ }^{53} \mathrm{p} \mathrm{c}^{31}$ | $\mathrm{vu}^{53}$ | $\operatorname{dit}^{55}$ | 2 |
| chicken | $\mathrm{k}^{\mathrm{h}} \mathrm{C}^{55}$ | $\mathrm{Id}^{31}$ | ¢0 ${ }^{53}$ | khă ${ }^{55}$ | 2 |
| fish | yua ${ }^{55}$ | $\mathrm{ya}^{55}$ | yo ${ }^{33}$ | năm ${ }^{31}$ plă ${ }^{55}$ | 4 |
| snake | bu ${ }^{31}$ | v.ia ${ }^{55}$ | 12 ${ }^{31}$ | bur ${ }^{53}$ | 2 |
| egg | $\mathrm{Po}^{31} \mathrm{lim}^{31}$ | $3 \mathrm{u}^{31}$ | vư ${ }_{\text {13 }}$ | $\mathrm{kha}^{31} \operatorname{lum}^{53}$ | 2 |
| tree | $S_{1}{ }^{55}$ dzum ${ }^{55}$ | si ${ }^{53}$ dzãı ${ }^{35}$ | $\mathrm{se}^{53} \mathrm{tse}{ }^{33}$ | curi ${ }^{55}$ | 1 |
| bamboo | $\mathrm{k}^{\mathrm{h}} \mathrm{am}^{55}$ | $\mathrm{va}^{55}$ | kho ${ }^{33} \mathrm{tse}^{33}$ | kham ${ }^{55}$ | 4 |
| fruit | culy ${ }^{55} \mathrm{Sl}^{33}$ | tchu ${ }^{55}{ }^{\text {tch }}{ }^{\text {a }}{ }^{55}$ | $6^{43}{ }^{33}$ | Ci ${ }^{53}$ | 4 |

Table 33 (cont.)

|  | Anong | Nusu | Zauzou | Trung |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| grass | $\operatorname{cin}^{33}$ | m. a $^{53}$ | pis ${ }^{13}$ | $\operatorname{cin}^{53}$ | 2 |
| root | cum ${ }^{55} \mathrm{zum}^{33}$ | g.um ${ }^{55}$ | tchi ${ }^{55} \mathrm{ka}_{\sim}^{\text {³ }}$ | $\mathrm{ay}^{31} \mathrm{Jm}^{53}$ | 2 |
| flower | cuin ${ }^{55} \mathrm{ven}^{55}$ | va. ${ }^{53} \mathrm{cax}^{55}$ | Puas ${ }^{53}$ | $\min ^{31} \mathrm{t} \mathrm{s}^{55}$ | 4 |
| body | $\mathrm{dzl}^{31} \mathrm{gux}^{31}$ | tchii ${ }^{35} \mathrm{gux}^{31}$ | $\mathrm{kur}^{33} \mathrm{tse}^{33}$ | gon ${ }^{53}$ | 1 |
| head | $1 \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}$ | $\mathrm{u}^{31}$ phu ${ }^{55}$ | Po ${ }^{13} \mathrm{tu}^{33} 1 \varepsilon^{33}$ | $\mathrm{u}^{53}$ | 4 |
| eye | nio ${ }^{55} \operatorname{lug}^{55}$ | $\mathrm{mia}^{53} \mathrm{dz} \mathrm{i}^{31}$ | mio ${ }^{53} \mathrm{Sl} 1^{33}$ | ne ${ }^{55}$ | 1 |
| ear | $\mathrm{a}^{31} \mathrm{na}^{31}$ | กัa ${ }^{55}$ shã. ${ }^{35}$ | $n a^{33} s^{33}$ | $\mathrm{a}^{31} \mathrm{na}^{55}$ | 1 |
| nose | $\mathrm{sl}^{31} \mathrm{na}^{55}$ | $\mathrm{n}^{1}{ }^{55} \mathrm{k} \tilde{\mathrm{a}}^{35}$ | $\mathrm{na}^{35} \mathrm{ka}^{35}$ | $\mathrm{s} 1^{31} \mathrm{nc}^{55}$ | 1 |
| mouth | $\mathrm{ma}^{55}$ duy ${ }^{31}$ | ${ }^{\circ}{ }^{55}{ }^{50} \mathrm{c}^{35}$ | $\mathrm{mi}_{\sim}^{55} \mathrm{ci}^{31}$ | $\mathrm{ni}^{31} \mathrm{~g}^{\text {g }}{ }^{55}$ | 1 |
| tooth | $\mathrm{a}^{31} \mathrm{sa}^{31}$ | shua ${ }^{55}$ | tcyi ${ }^{13}$ | $\mathrm{a}^{31} \mathrm{sa}^{53}$ | 1 |
| tongue | $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} 1 \varepsilon^{31}$ | f.ra ${ }^{35}$ | lio ${ }^{55} \varepsilon^{33}$ | pui ${ }^{31} \mathrm{lai}^{53}$ | 1 |
| hand | $\mathrm{a}^{31} \mathrm{vu}^{35}$ | $1 \mathrm{q}^{53}$ | $10^{53}$ | U15 ${ }^{55}$ | 2 |
| finger | $\mathrm{n}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{55}$ | $\mathrm{la}^{53} \mathrm{n} \mathrm{m}^{55}$ | $10^{53} \mathrm{na}^{33}$ | $\mathrm{u}^{\text {a }}{ }^{55} \mathrm{xiam}^{53}$ | 2 |
| heart | nif ${ }^{55} \mathrm{Imm}^{31}$ | $2 \mathrm{ir}^{31} \mathrm{l}^{53}$ | na ${ }^{35}$ thur ${ }^{13}$ | $\mathrm{Imu}^{31} \mathrm{~m} \mathrm{~N}^{55}$ | 1 |
| liver | $\mathrm{bu}{ }^{31} \mathrm{cin}^{33}$ | tshว̃. ${ }^{55}$ | $\mathrm{se}^{33}$ | $\mathrm{pu}^{31} \operatorname{cin}^{53}$ | 2 |
| lung | $\mathrm{i}^{31} \mathrm{sum}^{55}$ | tshuã. ${ }^{35}$ | tshue ${ }^{55} \mathrm{phu}^{33}$ | $\mathrm{Ium}^{31} \mathrm{sum}^{53}$ | 1 |
| blood | $\mathrm{cum}^{33}$ | sui ${ }^{55}$ | cue $^{33}$ | Ci ${ }^{55}$ | 1 |
| bone | $\mathrm{za}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{53}$ | $\mathrm{Jum}^{55}$ | $\mathrm{xo}^{33} \mathrm{ka}_{\sim}^{55}$ | $\mathrm{al}^{31} \mathrm{Im}^{53}$ | 1 |
| person | $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{al}^{31}$ | $\mathrm{su}^{35}$ | tsu ${ }^{33}$ | $\mathrm{a}^{31}$ tshăy ${ }^{53}$ | 2 |
| name | $\mathrm{a}^{31} \mathrm{nuy}^{31}$ | $n u^{35} \mathrm{su}^{35}$ | $\mathrm{zo}^{55} \mathrm{zo}{ }^{33}$ | $\mathrm{a}^{31} \mathrm{nuy}^{53}$ | 2 |
| house | $t^{\text {h }} \mathrm{im}^{31}$ | is ${ }^{35}$ | i $\varepsilon^{33}$ | tcum ${ }^{53}$ | 2 |
| clothes | $\mathrm{ga}^{31} \mathrm{mu}{ }^{31}$ | $\mathrm{ga}^{53}$ | $\mathrm{me}^{33}$ | j2 ${ }^{55}$ | 2 |
| hat; cap | $\mathrm{da}^{31} \mathrm{mo}^{55}$ | $\mathrm{dum}^{55} \mathrm{nu}^{55}$ | tsha ${ }^{33} \mathrm{ko}^{55}$ | $\mathrm{su}^{31} \mathrm{wa}^{55}$ | 3 |
| shoe | $\mathrm{a}^{31} \mathrm{xa}^{55} \mathrm{grl}{ }^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$ | $\mathrm{ko}^{31} \mathrm{la}^{35} \mathrm{ba}^{35}$ | $t c h i{ }^{55} \mathrm{ki}^{55}$ | $\mathrm{lu}^{31} \mathrm{gru}^{53}$ | 3 |
| cloth | $\mathrm{ma}^{33}$ xun ${ }^{55}$ | tsha ${ }^{31}$ phiõ ${ }^{35}$ | $\mathrm{sa}^{13} \mathrm{so}^{53}$ | . $\mathrm{e}^{31}$ bop ${ }^{55}$ | 3 |
| rice; food | $\mathrm{bum}^{55} \mathrm{~d} \mathrm{Fa}^{31}$ | tshi ${ }^{55}$ kha ${ }^{35}$ | tso ${ }^{33} \mathrm{tch}{ }^{53}$ | $\mathrm{af}^{31} \mathrm{za}^{55}$ | 3 |
| meat | $¢_{\text {c }}{ }^{33}$ | $6_{6}{ }^{55}$ | xo ${ }^{33}$ | $6 \mathrm{a}^{53}$ | 1 |
| oil | $\mathrm{y}^{31} \mathrm{su}^{55}$ | tshu ${ }^{55} \mathrm{a}^{55}$ | $\mathrm{m} 2^{31}$ | $\mathrm{twu}^{31} \mathrm{măa}^{55}$ | 3 |
| salt | $\mathrm{Sl}^{31} \mathrm{lan}^{55}$ | tsha ${ }^{55}$ | tsho ${ }^{33}$ | su ${ }^{31}{ }^{1} \mathrm{al}^{55}$ | 2 |
| road | $\mathrm{t}^{\text {h }}{ }^{31} \mathrm{za}^{31}$ | kh.ıa ${ }^{35}$ ph. ${ }^{35}$ | kho ${ }^{55} \mathrm{mo}{ }^{31}$ | $m u^{31} \operatorname{lo}^{53}{ }^{53}$ | 3 |
| bridge | $\mathrm{go}^{31}$ Iã ${ }^{55}$ | $\mathrm{gu}^{55} \mathrm{dza}^{35}$ | kho ${ }^{33} \mathrm{tso}^{33}$ | zăm ${ }^{55}$ | 1 |
| ghost, spirits | $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{ia}^{33}$ | yi ${ }^{35}$ | $\mathrm{p} \varepsilon^{31} \mathrm{tca}^{13}$ | plăn ${ }^{55}$ | 3 |
| eat | عm ${ }^{53}$ | dza ${ }^{55}$ | tso ${ }^{33}$ | khe ${ }^{53}$ | 2 |
| see | dza ${ }^{55} u^{31}$ | $\mathrm{Iu}^{31}$ | $\mathrm{ni}^{\text {5 }}{ }^{\text {5 }}$ | jay ${ }^{53}$ | 3 |
| blow on (fire) | $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ | $\mathrm{si}^{35}$ | $\mathrm{me}^{53}$ | mit ${ }^{55}$ | 2 |
| read | $s u m^{31} \mathrm{zu}^{31} \mathrm{u}^{31}$ | $\mathrm{\gamma um}^{31}$ | $z \mathrm{a}^{\text {55 }}$ | don ${ }^{53}$ | 3 |
| sit | $\mathrm{go}^{55} \mathrm{na}^{33}$ | $\mathrm{ni}^{35}$ | ni ${ }^{33}$ | .109 ${ }^{53}$ | 2 |
| ride (horse) | $\mathrm{dum}^{31} \mathrm{dzu}{ }^{31}$ | dzum ${ }^{31}$ | tcis ${ }^{33}$ | $\mathrm{con}^{55}$ | 2 |
| go; walk | $\mathrm{dz} 1^{53}$ | shua ${ }^{55} \mathrm{a}^{31}$ | $\mathrm{i}^{55}$ | $\mathrm{a}^{31} \mathrm{gurui}^{55}$ | 3 |
| die | S1 ${ }^{31}$ | ci ${ }^{35}$ | $\mathrm{ci}^{55}$ | $¢_{65}{ }^{3}$ | 1 |
| big | $u^{45}{ }^{50} \mathrm{dun}^{31}$ | $\mathrm{zi}^{\text {55 }} \mathrm{a}^{31}$ | $\mathrm{i}^{33}$ | $\mathrm{ka}^{31} \operatorname{ten}^{55}$ | 2 |
| small | $\mathrm{tc}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{la}^{55}$ | $\mathrm{a}^{31} \mathrm{Pm}{\underset{\sim}{53}}^{53}$ | $n \varepsilon^{33}$ | $\mathrm{ka}^{31} \mathrm{ne}^{255}$ | 3 |
| tall; high | $\mathrm{ua}^{55} \mathrm{man}{ }^{31}$ | m.um ${ }^{31}$ | $\mathrm{mia}^{55}$ | x.ag ${ }^{53}$ | 4 |

Table 33 (cont.)

|  | Anong | Nusu | Zauzou | Trung |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| low | $\mathrm{tc}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{nim}^{31}$ | ท1i ${ }^{53}$ | $n \underbrace{53}$ | thi ${ }^{3}$ | 4 |
| long | $u g a ~^{55} \mathrm{i}^{31}$ | x. $\mathrm{IUM}^{31}$ | ¢ $\mathrm{e}^{55}$ | m.ı̆̆n ${ }^{53}$ | 3 |
| short | $\left.t ¢ i^{55} t^{\text {h }} \mathrm{mr}\right)^{55}$ | $\mathrm{a}^{31} \mathrm{~d} \mathbf{7} \tilde{u}^{53}$ | tco ${ }^{33}$ | thi ${ }^{53}$ | 2 |
| red | $\mathrm{tsa}^{35} \mathrm{si}^{55}$ | x.ii ${ }^{35} \mathrm{a}^{55}$ | $n e^{33}$ | pui ${ }^{31}$ suai $^{53}$ | 2 |
| white | $b \varepsilon^{55}$ | $\mathrm{ba}^{55} \mathrm{ba}^{31}$ | phis ${ }^{33}$ | bon ${ }^{53}$ | 1 |
| black | nay ${ }^{55}$ | $n a^{35} \mathrm{na}^{53}$ | nư ${ }^{53}$ | $\mathrm{na} 2^{55}$ | 1 |
| sweet | $\mathrm{k}^{\mathrm{h}} \mathrm{l}^{53}$ | tchum ${ }^{35}$ | tch ${ }^{55}$ | $\mathrm{Zum}^{53}$ | 1 |
| bitter | $\mathrm{k}^{\mathrm{h}} \mathrm{c}^{33}$ | kha ${ }^{53}$ | kho ${ }^{33}$ | kha ${ }^{53}$ | 1 |
| one | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$ | thi ${ }^{53}$ | $\mathrm{tux}^{31}$ | $t 6{ }^{\text {5 }}$ | 1 |
| two | $\mathrm{a}^{31} \mathrm{ni}^{55}$ | $\mathrm{m}^{55}$ | ne $\underbrace{53}$ | $\mathrm{a}^{31} \mathrm{ni}^{\text {5 }}{ }^{5}$ | 1 |
| three | $\mathrm{a}^{31}$ som $^{53}$ | ss ${ }^{35}$ | se ${ }^{33}$ | sŭım ${ }^{53}$ | 1 |
| four | b. $1^{53}$ | v.ii ${ }^{35}$ | $\mathrm{yi}^{33}$ | $\mathrm{bli}^{53}$ | 1 |
| five | $\mathrm{p}^{\mathrm{h}} \mathrm{al}^{31}$ | $\mathrm{ma}^{55}$ | 10 ${ }^{33}$ | $\mathrm{pum}^{31} \mathrm{yq}^{53}$ | 1 |
| six | kuy ${ }^{55}$ | kh.ru ${ }^{53}$ | kha ${ }^{53}$ | khıự ${ }^{55}$ | 1 |
| seven | $\mathrm{Sq}_{1}{ }^{35}$ | ก̊วิ. ${ }^{55}$ | ne ${ }^{55}$ | $\mathrm{sum}^{31} \mathrm{nit}^{55}$ | 1 |
| eight | $¢ \mathrm{cn}{ }^{55}$ | Sc. ${ }^{53}$ | $\mathrm{ia}^{33}$ | $\varphi \breve{c h t ~}^{55}$ | 1 |
| nine | dum ${ }^{31} \mathrm{gu}^{31}$ | $\mathrm{gus}^{35}$ | $\mathrm{kw}^{33}$ | dum ${ }^{31} \mathrm{gur}^{53}$ | 1 |
| ten | $\mathrm{t}^{\mathrm{h}} \mathrm{F}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$ | tshe ${ }^{35}$ | tshe ${ }^{55}$ | tçi ${ }^{31}$ tshăn ${ }^{55}$ | 1 |
| I | $\mathrm{a}^{31} \mathrm{io}^{31}, \mathrm{nd}^{31}$ | $\mathrm{ya}^{35}$ | $\mathrm{yu}^{55}$ | $\mathrm{gu}{ }^{55}$ | 1 |
| you | $\eta \mathrm{a}^{31}$ | no ${ }^{55}$ | no ${ }^{33}$ | $n a^{53}$ | 1 |
| he, she | $\mathrm{y}^{31}$ | ? $\mathrm{no}^{55}$ | $\mathrm{tu}^{55}$ | $\breve{\mathrm{ar}} \mathrm{g}^{53}$ | 2 |
| who | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{io}^{55}$ | khe ${ }^{31}$ | kho ${ }^{35}$ | $\mathrm{ka}^{31} \mathrm{me}^{55}$ | 1 |
| where | $\mathrm{k}^{\mathrm{h}} \mathrm{c}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | kha ${ }^{35} \mathrm{ba}^{31}$ | $\mathrm{xa}^{55} \mathrm{ka}^{55}$ | kha ${ }^{55} \mathrm{~d} \mathrm{o}^{31}$ | 4 |
| what | $\mathrm{k}^{\mathrm{h}} \mathrm{c}^{55} \mathrm{ts}^{\text {h }} 1^{31}$ | tch ${ }^{31} \mathrm{ma}^{31}$ | $\mathrm{se}^{55} \mathrm{i}^{55}$ | tăa ${ }^{53}$ | 3 |
| not | $\mathrm{m}^{31}$ | $\mathrm{ma}^{55}$ | $2 \mathrm{a}^{31}$ | $\mathrm{mux}^{31}$ | 4 |
| don't | $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31}$ | tha ${ }^{55}$ | tha ${ }^{31}$ | $\mathrm{me}^{31}$ | 4 |
| and; with | $\mathrm{si}^{55}$ | $1 e^{31}$ | $n i^{33}$ | $n \mathrm{i}^{55}$ | 3 |

The table above contains 100 core vocabulary of Tibeto-Burman languages, most of which are cognates within the Tibeto-Burman subgroup. In fact, they are mostly cognates among Sino-Tibetan languages. A syllable count indicates that out of the 100 lexical items, the percentage of monosyllabic words are as follows, $70 \%$ for Zauzou, $61 \%$ for Nusu, $50 \%$ for Trung, and $33 \%$ for Anong.

1. In terms of cognates, 44 words are cognates in all four languages (marked as 1), although there are considerable differences phonologically among them.
2. There are 26 items that show cognates between Nusu and Zauzou, and between Trung and Anong (marked as 2). It should be noted that there are a couple of exceptions. For instance, the forms for 'he' show cognates in Anong and Trung but not in Nusu and Zauzou. On the
other hand, the forms for 'sweet' show cognates in Zauzou and Nusu, but not in Anong and Trung.
3. Seventeen of the 100 items are definitely not cognates among the four languages (marked as 3), though some of them are somewhat phonologically similar. Some of those seventeen items are borrowings from the same lending language while some others may be borrowings from each other.
4. The thirteen items that are identified by the number four show a complex cognate relationship among the four languages. Notice that forms for 'other', 'high' and 'low' are cognates among Anong, Nusu, and Zauzou, whereas the forms for 'bamboo' and 'fruit/seed' are cognates among Anong, Zauzou and Trung.

It should be pointed out that here we have limited the comparison to the first 100 core vocabulary items, which is why we have a relatively high percentage of cognates among the four languages. If we expand the vocabulary to include 2000 to 3000 basic vocabulary commonly used for subgrouping purposes, then the percentage of cognates would be much lower.

### 6.3. Grammatical comparison

Similarities in grammatical structures are an important basis for determining genetic relatedness among languages. Our examination of the grammatical structures among the four Nung languages reveals that Zauzou and Nusu are close to each other, and Anong and Trung are close to each other. In terms of grammatical categories and the means through which they are indicated, we also see clear differences between those languages. Both Zauzou and Nusu have relatively simple grammatical categories, mainly marked analytically with function words. In contrast, Anong and Trung both have rich systems of prefixes and suffixes, some even involving consonant and vowel alternations. In addition, Anong displays certain unique characteristics not present in the other three languages.

### 6.3.1. Plural Marking

Table 34: Markers of noun plurality

|  | Anong | Nusu | Zauzou | Trung |
| :--- | :--- | :--- | :--- | :--- |
| marker | $\mathrm{Z}^{31} \mathrm{num}^{31}, \mathrm{mu}^{53}$ | $\mathrm{vai}^{35} \mathrm{a}^{55}$ | $\mathrm{tur}^{31}, \mathrm{mo}^{31}$ | mă1 ${ }^{55}$ |
| usage | countables | animates | countables | demonstratives |
| form | auxiliary | auxiliary | auxiliary | auxiliary |
| origin | not same source | not same source | not same source | not same source |

First, as is shown in the table above, all four languages utilize particles after the nouns to mark plurality. However, the source of the plural markers is different for each of the four languages. The plural marker in Anong comes from a measure word, whereas the plural markers in Zauzou and Nusu originate from indefinite numerals. The origin of the plural marker in Trung is unclear at this point.

Second, we see differences in the way the plural markers are used in each of the languages. For instance, in both Anong and Zauzou, the plural markers can occur on all countable nouns, whereas the plural markers in Nusu and Trung are more restricted. In Nusu, only animate nouns can take the plural marker, while in Trung only human nouns can be marked as plural.

### 6.3.2. Nominal Diminutives

All four languages possess diminutive suffixes for nouns denoting cuteness or diminution of the entities referred to by the noun. Their function is similar to the diminutive markers, such as ér 儿 and zǐ子, in Chinese.

Table 35: Diminutives

|  | Anong | Nsusu | Zauzou | Trung |
| :---: | :---: | :---: | :---: | :---: |
| diminutive | $\mathrm{tc}^{\text {h }} \varepsilon^{31}$ | $\mathrm{za}^{55}$ | $\mathrm{zo}^{31}, \mathrm{na}^{55}$ | tchăc ${ }^{53}$ |
| usage | widely | narrowly | narrowly | widely |
| form | grammaticalized | grammaticalized | grammaticalized suffix | grammaticalized |
|  | suffix < 'son' | suffix < 'son' | < 'son; daughter' | suffix < 'son' |
| origin | Trung | Zauzou | Nusu | Anong |

First, the diminutive suffixes in Anong and Trung are cognates while the ones in Nusu are cognate with those in Zauzou. However, the diminutive marker $n \mathrm{a}^{55}$ in Zauzou does not have a cognate in Nusu.

Second, all of the diminutive markers originate from content lexemes meaning 'son' or 'baby' through grammaticalization. They are either part of the full-lexeme or have undergone phonological changes in the process of grammaticalization.

Third, in terms of the breadth of their distribution, we see differences among the four languages. The terms of 'wide' and 'narrow' used in the table are relative in nature. We have not done a statistical survey of the frequency of occurrence of all of these diminutive affixes. The wide versus narrow labeling merely reflects our estimate of their distribution based on the data we have on the situations in which such markers were used.

### 6.3.3. Possessives

Some of the Tibeto-Burman languages have a possessive marking system. All four languages retain remnants of an earlier possessive marking system. The systems show identity in origin: all four of them are reduced forms of the personal pronouns. All four of them mark first, second, and third person distinctions. And, all share distributional restrictions: Anong and Zauzou do not prefix them to kinship terms or personal names, while Nusu and Trung rarely prefix them to kinship terms or personal names.

Table 36: Possessive marking

|  | Anong | Nusu | Zauzou | Trung |
| :--- | :--- | :--- | :--- | :--- |
| possessive remnants | yes | yes | yes | yes |
| from pronouns | yes | yes | yes | yes |
| kinship or personal names | no | rarely | no | rarely |

Several comments are in order. First, few languages in the TibetoBurman subgroup still retain possessive markings. About ten such languages can be found in China, which include the four Nung languages in question. Even in those languages, the possessive marking system is on its way to being lost. They are becoming less and less productive and their occurrence is more and more restricted.

Second, the possessive markers in Nusu and Trung only occur with kinship terms. However, in Anong and Zauzou, both kinship and nonkinship nouns take the possessive marking. This indicates that possessive marking in Anong and Zauzou is more productive than that in Nusu and Trung.

### 6.3.4. Classifiers and Measure Words

Measure words in Tibeto-Burman languages display marked differences from language to language. Therefore, the characteristics of classifier words can be a good indicator of the closeness between Tibeto-Burman languages. Classifier words in the four Nung languages are quite similar in nature but there are some differences.

Table 37: Classifiers (measure words)

|  | Anong | Nusu | Zauzou | Trung |
| :--- | :--- | :--- | :--- | :--- |
| number | rather plentiful | very plentiful | especially plentiful rather plentiful |  |
| functional load | rather large | very large | especially large | rather large |
| used alone | generally not | sometimes | fully possible | not possible |
| for classification | beginning to be | beginning to be | very clearly | no |
| auto-classifiers | rather many | remnants | not have | very plentiful |

The most obvious difference in the behavior of classifiers among TibetoBurman languages is word order. Another difference is the number of classifiers a language possesses. And there is an interesting correlation between those two points. Some of the Tibeto-Burman languages have the classifier word-plus-numeral order while others have numeral-plus-classifier word order. The former type of languages tend to have a relatively small number of classifiers with a limited functional load while the latter type of languages are usually rich in measure words with a heavier functional load. The four Nung languages under discussion are quite consistent in this regard, which is why we consider them to be similar in general.

When we say that measure words may occur alone we mean that when a classifier co-occurs with the numeral one to modify a noun, the numeral can be omitted, which means that the classifier retains the connotation of one. This only occurs in languages with a rich classifier system.

The classifying function refers to the phenomenon where nominals denoting different categories of entities take different classifiers. For instance, different classifiers refer to various types of entities such as rigid, two dimensional things, three dimensional things (which are further divided into rigid vs flexible and thick vs thin), round things, flat things, liquids, animals, plants, humans, and so on.

Auto- or self-classifying classifiers refer to instances where the classifier is the same in form as the nominal, such as ni $\mathrm{i}^{55} \mathrm{lun}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{luy}^{55}$
'eye one eye: one eye' (partially identical), $\mathrm{p}^{\mathrm{h}} \mathrm{an}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{33}$ 'leg one leg: one leg', $\mathrm{ven}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ven}^{55}$ 'flower one flower: one flower', and so on. This is characteristic of those Tibeto-Burman languages in which measure words just started to develop.

### 6.3.5. The Formation and Characteristics of Reflexives

All four languages have reflexive pronouns. However, they differ in terms of how they are formed and used.

Although reflexive pronouns are a relatively new phenomenon in Tibeto-Burman languages, they are quite common across the subgroup with specific characteristics. All of the four Nung languages have reflexive pronouns. Trung has two basic forms of reflexive pronouns whereas Anong and Nusu have only one basic form respectively. Zauzou does not have a separate reflexive pronoun. Instead, it utilizes the reduplication process to indicate reflexive.

In fact, using reduplication to express reflexive is not uncommon in Tibeto-Burman languages. Of the four Nung languages, three utilize the reduplication process to denote reflexive, though two of the three require the reflexive form in addition to reduplicating the pronoun.

The reflexive forms in all four languages can be combined with pronouns to form singular, dual, and plural reflexive pronouns. The combination is tighter in some cases than in others. Some of the reflexive forms are from roots without the prefix while others are full forms. Also, some of the reflexive forms can serve as a constituent of a sentence alone whereas others cannot.

### 6.3.6. Verbal Grammatical Categories

Verbs in all four languages can be marked for a variety of grammatical relations, and there are marked differences among the four languages in this respect. In some instances, the same grammatical category is marked very differently in different languages and the markings are not cognate.

Seven verbal grammatical categories and how each of the four languages marks them is shown in Table 39. Among the four languages, only Anong and Trung have person and number marking on verbs and the two languages are quite similar in the sense that both use prefixes and suffixes to mark first and second person for singular, dual, and plural.
Table 38: Reflexives across languages

|  | Anong | Nusu | Zauzou | Trung |
| :---: | :---: | :---: | :---: | :---: |
| basic form | $\mathrm{n}^{31} \operatorname{luy}^{55} \mathrm{n}^{31}$ | 1. $\mathrm{tuq}^{53} \mathrm{~m}^{55}$ <br> 2. overlaps with personal pronouns | overlaps with personal pronouns or interrogative pronouns | 1. lŭ $P^{55}, a^{31} d u^{53}$ <br> 2. overlaps with person pronouns |
| interaction with personal pronouns | drops the prefix $\mathrm{y}^{31}$; uses 1, 2, 3, singular, dual and plural forms | uses $1,2,3$, singular, dual and plural forms | uses $1,2,3$, singular, dual and plural forms and the interrogative forms | uses $1,2,3$, singular, dual and plural forms |
| overlapping forms | none | with personal pronouns, inserts tua ${ }^{53}$ in the middle | with personal pronouns, inserts sãa ${ }^{31}$ in the middle | simple overlap with personal pronouns |

Table 39: Verbal categories across languages

|  | Anong | Nusu | Zauzou | Trung |
| :---: | :---: | :---: | :---: | :---: |
| number | 1, 2, 3 person suffixes | - | - | 1,2,3 person |
| aspect | $\begin{aligned} & \text { future bu }{ }^{55}, \mathrm{ua}^{55}, \\ & \text { progressive } \varepsilon^{55} \text {, } \\ & \text { no }^{31} \varepsilon^{31}, \text { finished } \\ & {\mathrm{d} z \varepsilon^{11}}^{\text {past }{ }^{31},} \\ & \text { completed } \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \end{aligned}$ | future gua ${ }^{35}$, duration $\mathrm{di}^{55}, \mathrm{ta}^{55}$, $\mathrm{ci}^{31}, \mathrm{dza}^{31}$; finished $\mathrm{ga}^{31}, \mathrm{kax}^{31}$, past io ${ }^{35}, \mathrm{~d} 7 \tilde{\mathrm{a}}^{35}$ completed $\mathrm{ku}^{31} \mathrm{a}^{31}$, is ${ }^{35}$ | future $\mathrm{ie}^{33}$, <br> immediate future <br> $\mathrm{mo}^{35} \mathrm{zo}^{31}$; <br> progressive $\mathrm{t}^{53}$, <br> $\gamma^{51}{ }^{55}$; finished $\mathrm{zo}^{31}$, <br> experiential <br> $\mathrm{ku}^{55} \mathrm{z}^{31}$, <br> completed $\mathrm{ku} \varepsilon^{33} \mathrm{zo}^{31}$ | $\begin{aligned} & \text { future păy }{ }^{55} \mathrm{wa}^{53} \text {, } \\ & \text { present dzin }{ }^{53} \text {, } \\ & \text { finished luy }{ }^{55} \text {, } \\ & \text { completed buw } \end{aligned}$ |
| voice | reflexive $-\mathrm{cu}^{31}$ causative $s 1^{31}$, mutual $\mathrm{a}^{31}$ - | suppletive and analytic forms | analytic forms | reflexive -cu ${ }^{31}$, causative sul ${ }^{31}$-, mutual $\mathrm{a}^{31}$ - |
| mood | indicative $\varepsilon^{55}$, <br> imperative <br> $1 \varepsilon^{55}$ and $1 i^{31}$ | imperatives are analytic | optatives are analytic; questions use the prefix - $-\mathrm{a}^{53}$ | questions use $-\mathrm{ma}^{55}$; imperatives use various affixes |
| directionals | centering suffixes: $\mathrm{a}^{31} \mathrm{ie}^{55}, \mathrm{a}^{31} \mathrm{na}^{55}, \mathrm{a}^{31}$ da $^{55},{ }^{5}{ }^{31}$, toward periphery suffixes: <br> $a^{31} \mathrm{ba}^{55}, \mathrm{a}^{31} \mathrm{la}^{31}$, $\mathrm{dan}^{55}, \mathrm{u}^{55}$ | use directional verbs 'go' and 'come' | use directional verbs 'go' and 'come' | centering suffixes: $. \mathrm{Ia}^{53}, \mathrm{Iăi}^{53}, \mathrm{Iăt}^{55}$; toward periphery suffixes: $\mathrm{di}^{31}$, downward dză $\mathrm{P}^{55}$, upward lun ${ }^{55}$ |
| nominalizers | $\mathrm{d} \varepsilon \mathrm{m}^{55}, \mathrm{za}^{55}, \mathrm{su}^{55}$ | $\mathrm{a}^{31}$, khue ${ }^{35}$ | $t \varepsilon^{53}, \mathrm{p}^{31}, \mathrm{tu}^{33}, \mathrm{su}^{55}$ | sa ${ }^{55}, \mathrm{a}^{31} \mathrm{ja}^{55}$ |
| copulas | $\begin{aligned} & \mathrm{a}^{31} \mathrm{da}^{55}, \mathrm{no}^{55}, \\ & \mathrm{a}^{31} \mathrm{n}^{55}, \mathrm{io}^{55}, \mathrm{dem}^{55} \end{aligned}$ | $\mathrm{ni}_{\mathrm{i}}{ }^{35}$, dza ${ }^{53}$, khui ${ }^{\text {31 }}$ | $\mathrm{ni}_{\mathrm{i}}{ }^{33}, \mathrm{tci}^{1{ }^{13}}$ | $\breve{a n n ~}^{53}$ |

All four languages have the category of aspect with minor differences in how it is marked. None of the aspect markers is cognate across the four languages. Progressive, durative, present, and present progressive are essentially the same in nature, that is, the differences are more terminological than substantive. Also, past progressive and experiential are the same. ${ }^{2}$

All four languages have the category of voice with significant differences. Anong and Trung are very similar in both meanings and forms of voice marking. The only voice category Nusu has is causative. In fact, the causative prefix has been lost in Nusu with resulting sound changes in the verb roots. Zauzou no longer has any synthetic voice markers; it utilizes analytical means to indicate voice.

Mood categories exist in all four languages but with significant differences. First, only Anong has indicative mood marking in the verb. Second, verbs are marked for interrogative in both Zauzou and Trung, but not in the other two languages. The interrogative markers in Zauzou and Trung are not cognates. Third, all the languages except Zauzou have imperative marking. Imperatives are marked similarly in Anong and Trung and the verbal inflections are all related to person. Nusu marks imperatives analytically. Fourth, all four languages mark requests, though none of those markings are cognates.

Verbs in all four languages carry directional marking. Directional marking in Anong is very similar to that in Trung, and few of the markers in those two languages are cognates. In Nusu and Zauzou, the verbs 'come' and 'go' are used as directional markers, and the verbs are probably cognate.

All four languages have nominalizers. The nominalizer su ${ }^{55}$ in Anong has a cognate in Lisu. ${ }^{3}$ The rest of the nominalizers do not seem to have any shared origins.

[^28]Existential (copular) verbs are present in all four languages, but only three of the languages have more than one with use distinctions. ${ }^{4}$ The copular verbs $\mathrm{ni}^{35}$ in Nusu and $\mathrm{ni}^{33}$ in Zauzou are cognate. ${ }^{5}$

### 6.3.7. Case Marking Particles

Case markers (and other) particles in Tibeto-Burman languages are syntactic elements that function like cohesive devices to glue constituents together to form sentences.

Table 40 below clearly shows that the four languages differ in the number, type, and usage of particles.

Definite particles are found in three of the four languages. It is quite obvious that the possessive particles in Nusu and Zauzou are cognate.

Agent and instrumental particles are found in all four languages. They are cognates in Anong and Trung, and Nusu and Zauzou respectively. What is curious is that the same particles have both causative and instrumental function in all four languages. ${ }^{6}$

Locative particles often indicate the position of the syntactic constituent in a sentence such as high, low, inside, outside, etc., which is why more often than not a language would have multiple location particles. Zauzou has five, Anong has four, Trung and Nusu both have two. The particles that indicate 'inside' in Trung and Nusu are clearly cognate.

Only three of the four languages have temporal particles, since we have not found any in Zauzou. The temporal particles in Nusu and Trung are very similar.

All four languages have source or ablative particles, but they vary in number, with three in Nusu, two in Trung, two in Anong, and only one in Zauzou. The source particles in Nusu and Trung are cognates.

Comparative markers are found in all four languages. Only Nusu differentiates two types of comparative marker.

[^29]Anong and Trung have conjunction particles, while Anong and Zauzou have comitative particles. Only Trung has a prolative particle. None of those particles are cognates.

Only Anong and Trung have definite particles and they are cognates, although Anong has a second definite particle $a^{31}$ that does not have a cognate in Trung.

Adverbial particles should exist in all four languages. However, at this point in time, we only found adverbial particles in Anong and Nusu, and they don't seem to be cognates.

Table 40: Case markers and other particles

|  | Anong | Nusu | Zauzou | Trung |
| :---: | :---: | :---: | :---: | :---: |
| genitive | $n i^{55}, \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | $\mathrm{e}^{31}$ | $\mathrm{ze}^{31}$ | - |
| agent | $\mathrm{mi}^{53}$ | $\mathrm{i}^{31}$ | $\mathrm{ci}^{33}$ | $\mathrm{mi}^{55}, \mathrm{i}^{55}$ |
| object | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}, \mathrm{ba}^{31}$ | $n \mathrm{n}^{35}$ | $\mathrm{ks}^{33}$ | $1 e^{31}$ |
| instrumental | $\mathrm{mi}^{55}$ | $\mathrm{i}^{31}$ | $\mathrm{ci}^{33}$ | mi ${ }^{55}$ |
| locative | $\begin{aligned} & \operatorname{dun}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \\ & \mathrm{sa}^{31}, \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55}, \\ & \mathrm{p}^{\mathrm{h}} \mathrm{an}^{33} \end{aligned}$ | do ${ }^{35}, \mathrm{ba}^{31}$ | $\begin{aligned} & \mathrm{ku}^{55}, \mathrm{tu}^{33}, \\ & \mathrm{ta}^{55}, \mathrm{th}^{\mathrm{h}} \mathrm{i}^{31}, \\ & \mathrm{k}^{\mathrm{h}} \mathrm{o}^{33} \end{aligned}$ | $1 e^{31}, \mathrm{~d} 0^{31}$ |
| temporal | $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{35}$ | do ${ }^{35} \mathrm{l}^{31}$ | - | $\mathrm{d} 0^{31}$ |
| source | $\underset{\mathrm{ne}^{55}}{\mathrm{k}^{\mathrm{h}} \mathrm{~m}^{31} \mathrm{ne}^{55},}$ | $\begin{aligned} & \mathrm{do}^{35} \mathrm{le}^{31}, \mathrm{ba}^{31} \mathrm{li}^{31}, \\ & \mathrm{ba}^{35} \mathrm{le}^{31} \end{aligned}$ | $6 i^{33}$ | $\mathrm{le}^{31}, \mathrm{pay}^{55}$ |
| comparative | $t^{\text {h }} 1 y^{55} \mathrm{a}^{31}$ | $\begin{aligned} & \mathrm{duw}^{35} \mathrm{na}^{35}, \\ & \mathrm{ku}^{35} \mathrm{na}^{35}, \mathrm{t}^{\mathrm{h}} \mathrm{a}^{53} \mathrm{a}^{31} \end{aligned}$ | $\mathrm{tux}^{33}, \mathrm{tu}^{55} \mathrm{tux}^{33}$ | $\begin{aligned} & \mathrm{mux}^{31} \\ & \text { dăm }^{53} \mathrm{wa}^{31} \end{aligned}$ |
| conjunction | $\begin{aligned} & \eta \varepsilon^{31} \eta \varepsilon \eta^{31} \\ & t^{55} t^{55} \end{aligned}$ | - | - | $\mathrm{mi}^{53}$ |
| comitative | zay ${ }^{31}$ | - | $\mathrm{t}^{\mathrm{h}} \varepsilon^{35}$ | - |
| definite | $\eta \mathrm{u}^{31}, \mathrm{a}^{31}$ | - | - | $n u^{31}$ |
| by way of | - | - | - | on ${ }^{55}$ |
| adverbial | $\mathrm{li}^{31}, \mathrm{Sl}^{31}, \mathrm{uc}^{33}$ | $\begin{aligned} & \mathrm{k}^{\mathrm{h} u e^{35}} \\ & \mathrm{~d} \not \mathrm{ze} \mathrm{e}^{55}, \mathrm{~m}^{55}, \mathrm{gu}^{35}, \end{aligned}$ | - | - |

The comparison of the four languages spoken by the Nung ethnic group shows that each language has unique features that can be considered as evidence to show that they are independent languages. It is clear that Zauzou and Nusu are closer while Anong and Trung are closer.

### 6.4. The Position of Anong in Tibeto-Burman

Tibeto-Burman has several hundred languages. Among the TibetoBurman languages spoken in China, the overall characteristics of Anong and Trung are close to those of the Jingpo languages. Therefore, it is highly likely that Anong can be classified under Jingpo. ${ }^{7}$ We will now discuss this issue based on data from Tibeto-Burman languages spoken in China.

Although the Jingpo subgroup in Tibeto-Burman was established in the '50s of the 20th century, it had only one language in it at that time. No other languages were classified as members of the Jingpo subgroup because of Jingpo's unique features. Views on this issue vary among scholars outside China. As more and more data and findings become available, scholars discovered some languages that seem genetically close to Jingpo, especially in terms of those typical characteristics. In 1960, we conducted our preliminary investigation of both Anong and Trung. We then set up a research team to specifically look at the classification issue of Trung. Two years study on this issue resulted in our tentative decision to put Trung in the Jingpo subgroup. Starting from the 70s of the 20th century, we have done extensive research on languages spoken in the Himalayan region. During the process of writing grammatical sketches of the languages being investigated, we ran into the issue of classifying Trung, Luoba, and so on. After further comparative studies, we became convinced that those languages belong to the Jingpo subgroup. Since Anong and Trung are close, we classified both under the Jingpo subgroup. So far, we can see that the languages in this subgroup are scattered with a relatively small number of speakers. Based on our statistics, this subgroup has less than 200,000 speakers. The main characteristics of the subgroup are discussed below.

Quite a number of years ago, the American scholar Paul Benedict treated Jingpo as a language central to Tibeto-Burman. ${ }^{8}$ In his book titled Sino-Tibetan: A conspectus (1972), Benedict provided a family tree

[^30]for Tibeto-Burman languages, in which he placed Jingpo in the center surrounded by the following branches of languages.

1. Tibeto-Kanuri: a subgroup of Tibeto-Burman distributed over a region that includes China, India, Bhutan, Nepal, and Pakistan
2. Lepcha: a language distributed over an area that includes Bhutan and India
3. Bahing-Vayu-Newari, a subgroup found in Nepal
4. Abor-Miri-Dafla: a subgroup found in China and India
5. Bodo-Garo, a subgroup found in India and Burma
6. Konyak: a language of India and Burma
7. Kuki-Chin-Naga, a subgroup found in India and Burma
8. Luish, found in India and Burma
9. Nung(ish)-Trung, a subgroup found in China and Burma
10. Lolo-Burmese (Burmese-Lolo), a subgroup found in China, Burma, Thailand, Vietnam, and Laos
11. Gyarung (=Gyalrong, =rGyalrong), a subgroup found in China

This shows the significant position of Jingpo among Tibeto-Burman languages. We offer the following comments about Benedict's classification.

First, it is still too early to definitively determine the position of Sulung and Bengru because in-depth studies of those two languages are still ongoing and the data collected so far are being sorted out. Comparison of those two languages with the surrounding languages has not been carried out yet. This is especially true with respect to Sulung which is the most unique language with considerable differences from all the other Tibeto-Burman languages. Classifying it properly is a challenging task to say the least.

Second, most of the languages in the Jingpo subgroup are distributed over the middle and eastern parts of the southern portion of the Himalaya mountains. And some of them are found in the border regions of China, India, and Burma. In fact, most of the Tibeto-Burman languages are concentrated in that area. Although we have gained some knowledge about the language situation of that region, we do not have a full picture nor an in-depth understanding of all of the TibetoBurman languages of the region. Therefore, a thorough comparative study of those languages is not possible at this point in time. For this reason, our discussion on classification is confined to Tibeto-Burman
languages spoken in China. It is possible that some of the languages may be closer related genetically to Tibeto-Burman languages spoken in India and Burma.

Third, the nine subgroups of languages above are based on the fact that each has characteristics not found in the others. Some of those characteristics are unique while others are shared by some but not all of the languages in the same subgroup. We now look at the basic features of the Jingpo subgroup through comparing the sound systems, lexicon, and grammatical structures of the languages in the Jingpo subgroup. ${ }^{9}$

### 6.4.1. Phonological Features

Generally speaking, Jingpo languages retained more of the Proto-TibetoBurman phonological features in their sound systems. For instance, stops and affricates do not have aspiration yet, the inventory of stops is smaller compared with other Tibeto-Burman languages, consonant clusters in coda positions are retained, and the phonemicization of tones is still limited. We will consider each of those characteristics in more detail below.

1. Consonant systems of Jingpo languages are relatively simple. One clear feature is that most of the languages have only two series of stops and affricates. Jingpo only has voiceless stops and affricates contrasting with their aspirated counterparts. It does not have any voiced stops or affricates. Trung, Bokar, and Sulung have no aspirated voiceless stops and affricates. They only have voiced stops and affricates contrasting with their voiceless counterparts. What is significant is that Anong and Trung are quite close. However, aspirated sounds in Trung are not phonemic yet. In contrast, aspirated stops in Anong contrast with unaspirated stops. We have specific examples of lexical items with inflectional prefixes in Anong clearly showing that aspirated stops and affricates came from consonant clusters in onset positions through phonological changes. This is strong evidence indicating that aspirated sounds in Tibeto-Burman languages are a later development. Needless to say, some of the languages in the Jingpo subgroup already have a

[^31]three-way contrast between voiced, voiceless, and aspirated stops and affricates.
2. Comparative studies of Sino-Tibetan languages yielded findings showing that affricates are developed later in Sino-Tibetan. The same is true with affricates in Tibeto-Burman languages, although there is considerable variation among Tibeto-Burman languages in this regard. Some have more affricates than others, with the highest having five series including apical, retroflex, laminal, alveo-palatal, and palatal. Qiang languages usually have four series, namely, apical, retroflex, laminal, and alveopalatal. Tibetan and Yi (Loloish) languages usually have three series which are apical, retroflex, and alveo-palatal. Jingpo languages usually have two series, with Bokar having only one series. In many of the languages in question, retroflex affricates only occur in Tibetan borrowings.
3. Except for Bokar, most of the languages in the Jingpo subgroup possess consonant clusters made up of stops, fricatives, or nasals combined with a liquid [-1]or [-r]. Some of the consonant clusters begin with a velar nasal. Hardly any of the consonant clusters begin with a fricative, a lateral liquid, or a trill retroflex liquid. Some of the languages even have palatalized and labialized consonants. Details are shown in Table 41 below.

Table 41: Clusters, palatalized sounds, and labialized sounds
Jingpo pı ph.ı kı kh.ı pj phj mj kj khj nj
Trung pl bl ml kl gl p. b.ı mı g.ı x.ı pj bj mjtjlj tsw sw tw lw kw gw xw yw

Kaman ph phl bl kl khl gl p.ı ph.ı b. kı lh.ı ga x.ı mph nth ntsh ntc̣h ykh mphl mph. nkhl ykh.
Darang pl phl bl ml kl khl gl p.ı ph.ı b.ı m.ı kı kh.ı g.ı x.ı
Idu pl bl pı ph.ı b.ı m.ı kı kh.ı g. h.ı mb nd ng ndz ndz_ ndz mbı ng.ı
Bokar pj bj mj
Bengru pl phl bl kl khl gl pr phr br kr khr gr
Sulung pl bl kl gl hl yl pr br kr gr fr sr hrçr xr hj filj bw
Table 41 shows the consonant clusters in all of the Jingpo languages. We can see the changes that have taken place in those languages with respect to consonant clusters, except for Anong which is unique in
having glottal stop as the first element of consonant clusters. In Bokar, liquids $[-1]$ and $[-r]$ no longer occur in consonant clusters. It only retains a few palatalized consonants. Jingpo and Anong no longer have consonant clusters that end in the lateral liquid [-1]. Comparative studies on Tibeto-Burman languages clearly show that consonant clusters that end in liquids [-1] and [-r] correspond with consonant clusters that end in a palatal glide [-j] or palatalized consonants. Table 41 also enables us to see the relationship between Jingpo languages and the other languages in Tibeto-Burman with respect to the situation of consonant clusters.
4. There is considerable variation among Tibeto-Burman languages in the presence and absence of consonants in coda positions. Some languages basically retained consonants in coda positions while other languages only allow some consonants in coda position. There are also languages that have become open syllable languages since consonants in coda positions are completely lost. Languages in the Jingpo subgroup still allow consonants in coda positions shown in the table below.

Table 42: Coda consonants

|  | stops | nasals | laterals | retroflexes | fricatives |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Jingpo | ptk? | mmy |  |  |  |
| Trung | ptk? | mmy | 1 | I |  |
| Anong | ? | mm n ¢ $\mathrm{\eta} \mathrm{\eta}$ |  |  |  |
| Geman | ptk | mmy | 1 |  |  |
| Darang |  | mmy |  |  |  |
| Idu |  | mmy |  |  |  |
| Bokar | ptk | mmy |  | I |  |
| Bengru | ? | n y |  |  |  |
| Sulung | tk ? | n y |  |  | h |

We can see from Table 42 that all languages in the Jingpo subgroup retained consonants such as stops and nasals in coda positions. However, few of the languages still allow the lateral and trill retroflex liquids to occur in codas. Fricatives in coda positions have basically been lost in all of the Jingpo languages.
5. Tones are a later development in Tibeto-Burman. Jingpo languages are in the process of developing tones, which is why there is considerable variation among them. Tones in Jingpo languages and their functional load for meaning distinctions between words and for marking gram-
matical categories are still limited. The distribution of tones in Jingpo languages is as follows.

| Language | Number of Tones |
| :--- | :--- |
| Bokar | 0 |
| Bengru | 2 |
| Sulung | 2 |
| Jingpo | 3 |
| Trung | 3 |
| Darang | 4 |
| Geman | 4 |
| Idu | 4 |
| Anong | 5 |

The tones in Bengru and Sulung must have been developed very recently. They do not have clear contrasting functions yet. In other words, tones in Bengru and Sulung are not phonemic yet. Although both Jingpo and Trung have three tones, tones in Jingpo carry a higher functional load for meaning distinctions. One of the tones in languages with four tones only occurs in prefixes and it does not seem to have a contrasting function. Anong has five tones. Its mid-mid (i.e. 33) tone is the result of influence from Lisu. Please see the sound changes section for details on this issue.

### 6.4.2. Morphological Characteristics

The most prominent feature of Jingpo languages in terms of morphological structure is that all of the languages have prefixes (which are called weakened syllables, or half syllables or secondary syllables by some scholars). This is one of the most important features separating Jingpo languages from the other Tibeto-Burman languages. The following table shows the prefixes in Jingpo languages.

Table 43: Prefixes (weakened syllables)
Jingpo

$$
\mathrm{pa}^{31} \mathrm{pha}^{31} \mathrm{ma}^{31} \mathrm{wa}^{31} \mathrm{tsa}^{31} \mathrm{sa}^{31} \mathrm{la}^{31} \mathrm{n}^{31} \mathrm{t} \mathrm{Ja}^{31} \int \mathrm{a}^{31} \mathrm{ka}^{31} \mathrm{a}^{31}
$$

Trung $\quad \mathrm{pu}^{31} \mathrm{bu}^{31} \mathrm{mu}^{31} \mathrm{tsu}^{31} \mathrm{dzu}^{31} \mathrm{su}^{31} \mathrm{zu}^{31} \mathrm{tur}^{31} \mathrm{dum}^{31} \mathrm{nu}^{31} \mathrm{lu}^{31}$
 an ${ }^{31}$
Anong $\operatorname{bur}^{31} \mathrm{ba}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{mu}{ }^{31} \mathrm{~s} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{di}^{31} \mathrm{da}^{31} \mathrm{dum}^{31} \mathrm{du}^{31}$ $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{31} \mathrm{nu}^{31} \mathrm{la}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ni}^{31} \mathrm{ca}^{31} \mathrm{ci}^{31} \mathrm{ga}^{31} \mathrm{n}^{31} \mathrm{i}^{31} \mathrm{o}^{31}$
Geman $\quad \mathrm{pa}^{31} \mathrm{pur}^{31} \mathrm{pha}^{31} \mathrm{phu}^{31} \mathrm{ba}^{31} \mathrm{ma}^{31} \mathrm{mux}^{31} \mathrm{wa}^{31} \mathrm{su}^{31} \mathrm{ta}^{31} \mathrm{tu}^{31}$ tha ${ }^{31}$ thum ${ }^{31} \mathrm{da}^{31} \mathrm{dum}^{31} \mathrm{na}^{31} \mathrm{num}^{31} \mathrm{la}^{31} \mathrm{lum}^{31} \mathrm{Jum}^{31} \mathrm{tca}^{31} \mathrm{tci}^{31} \mathrm{dzq} \mathrm{i}^{31}$ $\operatorname{ca}^{31} \mathrm{ka}^{31} \mathrm{kul}^{31} \mathrm{kha}^{31} \mathrm{ga}^{31} \mathrm{gu}^{31} \mathrm{gu}^{31} \mathrm{xa}^{31} \mathrm{xu}^{31} \mathrm{a}^{31}$
Darang

Idu
$\mathrm{pa}^{31} \mathrm{pu}^{31} \mathrm{pha}^{31} \mathrm{phw}^{31} \mathrm{ba}^{31} \mathrm{bur}^{31} \mathrm{ma}^{31} \mathrm{mu}^{31} \mathrm{dza}^{31} \mathrm{sw}^{31} \mathrm{ta}^{31}$ $\mathrm{tw}^{31} \mathrm{tha}^{31} \operatorname{thw}^{31} \mathrm{da}^{31} \mathrm{dum}^{31} \mathrm{na}^{31} \mathrm{lum}^{31} \mathrm{Ium}^{31} \mathrm{tci}^{31} \mathrm{~d}_{\mathrm{q}} \mathrm{a}^{31} \mathrm{na}^{31} \mathrm{ka}^{31}$ $\mathrm{kum}^{31} \mathrm{kha}^{31} \mathrm{khw}^{31} \mathrm{ga}^{31} \mathrm{gur}^{31} \mathrm{xa}^{31} \mathrm{a}^{31}$ $\mathrm{pa}^{31} \mathrm{pul}^{31} \mathrm{ba}^{31} \mathrm{bur}^{31} \mathrm{ma}^{31} \mathrm{twi}^{31} \mathrm{dum}^{31} \mathrm{lu}^{31} \mathrm{Ji}^{31} \mathrm{ja}^{31} \mathrm{ka}^{31} \mathrm{ku}^{31} \mathrm{ku}^{31}$ kha $^{31}$ khum $^{31} \mathrm{ga}^{31} \mathrm{gu}^{31} \mathrm{ha}^{31} \mathrm{a}^{31} \mathrm{i}^{55} \mathrm{e}^{55}$
Bokar


Sulung $\quad \mathrm{pur}^{31} \mathrm{pi}^{31} \mathrm{bu}^{31} \mathrm{bo}^{31} \mathrm{bo}^{31} \mathrm{mur}^{31} \mathrm{mo}^{31} \mathrm{si}^{31} \mathrm{tur}^{31} \mathrm{ta}^{31} \mathrm{la}^{31} \mathrm{tca}^{31} \mathrm{çi}^{31}$ $\mathrm{Ca}^{31} \mathrm{ku}^{31} \mathrm{ki}^{31} \mathrm{ka}^{31} \mathrm{ga}^{31} \mathrm{gur}^{31} \mathrm{xa}^{31} \mathrm{ha}^{31} \mathrm{a}^{31}$

1. Although this is not an exhaustive list, it clearly shows the systematic correspondences and the phonological features shared by all of the languages in terms of the phonological structures of those prefixes.
2. The cognate words with prefixes in those languages show some differences among the prefixes, but we can still see clear sound correspondences between the prefixes.
3. A considerable number of lexical items in Jingpo languages have prefixes (though the percentage varies greatly from language to language), their lexicon has become predominantly polysyllabic.
4. There seem to be three sources for the prefixes. One source for the prefix is through an insertion of a weak vowel after the first consonant of a consonant cluster in the onset position. Prefixes that came into existence this way do not have clear meanings or functions. Another source has to do with an inflectional prefix that has lost its grammatical marking function and turned into a derivational prefix with a vague residual grammatical meaning. A third source is through grammaticalization from full-fledged lexical items. Although they
have undergone phonological changes, we can still easily discern their original meanings.
5. Those Jingpo languages that have prefixes are distributed over the bordering region between China, India and Myanmar where their contiguous languages are mostly polysyllabic southeast Asian or IndoEuropean languages. This seems to point to the possibility of language contact as the cause for those languages becoming polysyllabic.

We illustrate the situation of prefixes in Jingpo languages by looking at some numerals given in Table 44 below.

Table 44: Numbers and prefixes

|  | two | three | five | seven | nine |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Jingpo | $\mathrm{lă}^{55} \mathrm{khon}^{31}$ | $\mathrm{ma}^{31}$ sum $^{33}$ | mă ${ }^{31} \mathrm{ra}^{33}$ | să ${ }^{31} \mathrm{nit}^{31}$ | $\mathrm{t} \mathrm{a}^{\text {31 }} \mathrm{kh}^{31}$ |
| Trung | $\mathrm{a}^{31} \mathrm{ni}^{55}$ | $\mathrm{a}^{31}$ sŭım $^{53}$ | $p u^{31} \mathrm{na}^{53}$ | $\operatorname{sum}^{31} \mathrm{nht}^{55}$ | $\mathrm{dum}^{31} \mathrm{gum}^{53}$ |
| Anong | $\mathrm{a}^{31} \mathrm{n}^{\text {i }}{ }^{55}$ | $\mathrm{a}^{31}$ som $^{53}$ | $\mathrm{p}^{\mathrm{h}} \mathrm{an}^{31}$ | S1n ${ }^{35}$ | $\mathrm{dum}^{31} \mathrm{gum}^{31}$ |
| Geman | $\mathrm{kum}^{31} \mathrm{jin}^{53}$ | $k w^{31}$ săm $^{53}$ | $\mathrm{kum}^{31} \mathrm{len}^{55}$ | num ${ }^{53}$ | $n a n^{55} \mathrm{mu}^{53}$ |
| Darang | $\mathrm{ka}^{31} \mathrm{n}^{55}$ | $\mathrm{ka}^{31}$ suin $^{55}$ | $m a^{31} \mathrm{ad}^{55}$ | wen ${ }^{53}$ | $\mathrm{ka}^{31}$ num ${ }^{55}$ |
| Idu | $\mathrm{ka}^{31} \mathrm{ni}^{55}$ | $\mathrm{ka}^{31}$ Son $^{55}$ | $m a^{31} \mathrm{na}^{55}$ | $\mathrm{i}^{55}$ hon ${ }^{53}$ | $k w^{55} \mathrm{ni}^{55}$ |
| Bokar | a ni | a hum | o no | kuı nu | ko non |
| Bengru | $\mathrm{kr}^{31} \mathrm{Xai}^{55}$ | $\left.g)^{31} \mathrm{~d} \gamma\right)^{55}$ | bun ${ }^{55}$ | muai ${ }^{53}$ | sə ${ }^{31} \tan ^{55}$ |
| Sulung | $n i^{55}$ | yuk ${ }^{35}$ | $\mathrm{wu}^{55}$ | $1 i^{55}$ | duay ${ }^{33}{ }^{\text {ar }}{ }^{53}$ |

All of the numerals in Table 44 are cognate. However there are some questions about the prefixes. $\mathrm{a}^{31}, \mathrm{a}, \mathrm{ku}^{31}, \mathrm{ka}^{31}, \mathrm{ko}, \mathrm{g} \boldsymbol{2}^{31}$ are cognates; mă ${ }^{31}, \mathrm{pu}^{31}$ are cognates; sur $\left.{ }^{31}, \mathrm{să}^{31}, \mathrm{i}^{55}, \mathrm{~s}\right]$ are cognates; dum ${ }^{31}$, $\mathrm{f} \breve{\mathrm{a}}^{31}, 1 \mathrm{a}^{55}$ are cognates. There are two possible reasons why the prefixes are different. First, historical change led to substitution of some of the prefixes. Second, the prefixes underwent sound changes.

Another noteworthy point to be made has to do with Anong and Bengru. The consonants in coda positions of $\mathrm{p}^{\mathrm{h}} \mathrm{ar}^{31}$ 'five' and $\mathrm{sq} \mathrm{n}^{35}$ 'seven' used to be the initial consonants in the onset positions of earlier roots which lost their finals resulting in the initial consonants to become part of the finals of the prefixes. The form buy ${ }^{55}$ 'five' in Bengru underwent the same process.

### 6.4.3. Grammatical Characteristics

There is considerable variation among Jingpo languages in terms of grammatical categories and inflectional markers. It is very difficult to
reconstruct the proto-forms for these grammatical markers, which is the main reason why people question the inclusion of certain languages in the Jingpo subgroup. However, we can still detect features shared by those languages. Several points are to be made in this regard.

## (1) Classifiers

Jingpo languages are similar with respect to the stage of development of classifiers. As is generally known, classifiers in Tibeto-Burman languages are a recent phenomenon. We can tell what stage a language is at by looking at the number of characteristics of classifiers such as the number, word order of classifiers and numerals, whether classifiers can occur with nominals alone, whether classifiers can be omitted when expressing quantity, and the functions of classifiers, etc. Although the number of classifiers and their functional load in a language are not reliable indicators of relatedness between languages, there are features that can be considered as strong evidence of genetic relatedness. The following are a few examples.
(1) In Tibeto-Burman languages, the order of classifier and numeral modifiers that modify nouns and verbs come in two types: classifier word+numeral and numeral+classifier word. Languages that have the former order have a relatively small number of measure words with a limited grammatical functional load. Languages that have the latter order are rich in measure words with a heavy grammatical functional load. Among the Jingpo languages, Jingpo, Darang (Dáràng), Kaman (Gémàn), Idu (Yìdōu), Bokar (Bógār), Bengru (Bēngrú), and Sulung (Sūlóng) have the classifier word+numeral order, whereas Trung and Anong have the numeral+classifier word order.
(2) Another point which is related to the point above has to do with omissibility of classifiers when they are used to modify nouns and verbs. In other words, whether the language allows numerals to be used to modify nouns and verbs without classifiers. It turned out that when the order is numeral+classifier word, the classifier cannot be omitted, but if the order is classifier word+numeral, then the classifier usually can be left out. This is because classifiers came from nouns and verbs. In languages that have the classifier word+numeral order, nouns and measure words are closely related in many ways and classifiers have not completely evolved from their earlier full lexemes yet. Even in languages such as Trung and Anong, which have evolved into numeral+classifier word order, we still see intricately bound relationships between the
nouns and the classifier in mirror classifier word constructions. For instance, in Anong, we have the following constructions: $p^{h} a^{33} t^{h} i^{55}$ $\mathrm{p}^{\mathrm{h}} \mathrm{an}^{33}$ 'leg one leg: one leg', ven ${ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ven}^{55}$ 'flower one flower: one flower'. Similar examples can also be found in Trung.
(3) Only languages with well developed classifier systems would allow classifiers to occur with nouns alone without numerals. Among the Tibeto-Burman languages, only the Yi languages have this characteristic. In those languages, classifiers not only have quantifying functions but classifying and demonstrative functions as well. Languages in the Jingpo subgroup do not have such functions yet.

## (2) Person Marking on Verbs

Verbs are marked for person in several of the languages in the Jingpo subgroup, which is a remnant of Proto-Tibeto-Burman. Jingpo, Trung, Anong, and Kaman have person marking on the verb. All of the markers are closely related to the personal pronouns. This is a uniform feature among those languages. The marking not only indicates agreement between the subject and verb but shows up in imperatives and possessives as well. The rest of the Jingpo languages do not have person marking on the verb.
(3) Directional Marking on Verbs

Verbs in Tibeto-Burman languages take directional markers. However, there is considerable variability in this regard among Tibeto-Burman languages. For instance, prefixes are used in Qiangic languages to mark the direction towards which the action is moving. The number of directional prefixes among those languages varies a great deal, ranging from three to four to as many as a dozen or so. Directional marking has similar functions in Jingpo languages. However, in Jingpo languages, directional markers are all suffixes, which are illustrated in Table 45 below.

Table 45: Suffixal directional markers

|  | away from | towards | upwards | downwards |
| :---: | :---: | :---: | :---: | :---: |
| Jingpo | sit ${ }^{55}$, sư ${ }^{55}$ | $3 i t^{55}, 3 \mathrm{in}^{55}, 3 \mathrm{a}^{55}$ |  |  |
| Trung | $\mathrm{di}^{53}$ | $\ldots \mathrm{Ia}^{53}, \mathrm{lăi}^{53}, \mathrm{Iăt}{ }^{55}$ | lui ${ }^{31}$ | dză ${ }^{55}$ |
| Anong | $\mathrm{a}^{31} \mathrm{ba}^{55}, \mathrm{l}^{55}$ | $\mathrm{a}^{31} \mathrm{ie}^{55}, \mathrm{lo}^{31}$ | dan ${ }^{55}, \mathrm{a}^{31} \mathrm{na}^{55}$ | $\mathrm{a}^{31} \mathrm{da}^{55}, \mathrm{a}^{31} \mathrm{la}^{31}$ |
| Kaman | $\mathrm{wit}^{55}, \mathrm{lo}^{55}$ | lit ${ }^{55}$, $\mathrm{na}^{55}$ | tci ${ }^{\text {55 }}$ | pu ${ }^{55}$ |
| Darang | gie ${ }^{53}, \mathrm{bo}^{53} \mathrm{n}^{55}$ | $\mathrm{bi}^{35}, \mathrm{na}^{55}, \mathrm{bon}^{35}$ | $\mathrm{tiu}^{55}$ | dza ${ }^{31}$ |
| Idu | $\mathrm{ge}^{55}, \mathrm{ga}^{53} \mathrm{ba}^{53}$ | $\mathrm{a}^{55} \mathrm{bi}^{35}, \mathrm{mu}^{35}$ | $\mathrm{a}^{55} \mathrm{tu}^{55}$ | $\mathrm{a}^{55} \mathrm{dza}^{55}$ |

At this point in time, our data do not show any directional markers in Bokar, Sulung, and Bengru. Therefore, we cannot determine whether those three languages have directional marking. Table 45 shows the similarity in function and form of directional markers among six of the Jingpo languages. Some of the forms are clearly cognates because they are the same in grammatical meaning and are very similar in phonological shape, with obvious correspondences in some cases. This can be seen in the following sets of examples.


The forms above show clear correspondences indicating that they came from the same source.
4. Noun phrases with adjectival modifiers are head initial in TibetoBurman languages. In Jingpo languages, monosyllabic adjectives also come after the head noun they modify. However, polysyllabic adjectives and adjectives with particles can be placed before the head noun.

### 6.5. Conclusion

In this chapter, we have discussed with examples the characteristics common to all of the languages in the Jingpo subgroup to show
genetic relatedness among those languages. However, we have not had the opportunity to compare these languages with related languages spoken outside of China. Consequently, our classification decision is preliminary in nature at this point in time. More in-depth studies are needed to make a more accurate decision on the issue what languages the Jingpo subgroup should include.

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APPENDICES

## APPENDIX A

## THE ANONG LEXICON

The lexicon at the end of Sun's grammar consists of only the lexical items typically found at the end of all the grammars in that series. This lexicon, in contrast, contains all the Anong vocabulary in Sun's original lexicon, in Sun's various articles on Anong, and in all the published and unpublished wordlists and articles we know of. It is as close to a dictionary of Anong as is likely to ever exist.

This lexicon is panchronic, that is, as the original sources represent words collected over a forty year period, a period remarkable for its incredible degree of lexical and phonological change. All the sources, with the exception of a subset of one of the wordlists, mix forms from different time settings. At least in part, this was unavoidable as the language consultants exhibited consideration variation, not just diachronically, but synchronically as well. Thus, in the same list some forms reflect an older stage, while others reflect a later one. Even the forms in the oldest document-an older wordlist-seems to have a mix of forms.

As Sun's comments at various places makes clear, there is enormous variation in the lexicon, and hence there is enormous variation in this master lexicon. Wherever it was obvious, the oldest attested form was put in the lexicon. However, it is not always obvious. Many roots have variants in two or even three tones, with clusters and without, and reduced or merged in various ways. While many of these variants occur in this wordlist, not all of them do. An attempt to sort them out will be made to clarify this in the next year or two, but it will neither be trivial, nor easy. That task, however, will require a reconstruction of the linguistic subgroup that Anong occurs in.

Two other features of this lexicon merit a comment. First, forms sometimes occur in several places, depending upon how they are translated. Second, both words and phrases have been included. Numerous entries are phrasal; of these some appear compositional, that is, the meaning can be predicted from the some of meanings of the parts; others are clearly not compositional, that is, the meaning of the whole cannot be predicted from the sum of the meanings of the parts; and,
of course, for many, more would have to be known. In any case, the phrasal utterances are certainly valuable for the structural information that they provide.

10 liters, dury ${ }^{55}$<br>100 catties, $\mathrm{za}^{55} \mathrm{gan}^{55} \mathrm{ham}^{35}$<br>$101, \mathrm{t}^{\mathrm{h} \mathrm{i}^{55}} \mathrm{ca}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$<br>200, $\mathrm{a}^{31} \mathrm{ni}_{\mathrm{i}}{ }^{55} \mathrm{Ca}^{55}$<br>300, som $^{31} \mathrm{ca}^{55}$<br>$400, \mathrm{~b}_{1}{ }^{53} \mathrm{ca}^{55}$<br>$500, \mathrm{p}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{ca}^{55}$<br>$600, \mathrm{kuy}^{55} \mathrm{ca}^{55}$<br>700, s $\mathrm{q}^{35}{ }^{35} \mathrm{ca}^{55}$<br>800, $\subset \varepsilon \sum^{55}{ }^{55} a^{55}$<br>$900, \mathrm{dum}^{31} \mathrm{gu}^{31} \mathrm{ca}^{55}$

a few months after, $\mathrm{ba}^{31} \mathrm{~S} 1^{31} \mathrm{ti}^{55} \mathrm{Sa}^{31} \mathrm{~S} 1^{31} \mathrm{ld}{ }^{55}$
a few month before, $\mathrm{dum}^{55} \mathrm{sal}^{31} \mathrm{ua}^{55} \mathrm{su}^{31} \mathrm{sl}^{31} \mathrm{la}^{55}$
a kind of black, $\mathrm{mi}^{55} \mathrm{ma}^{55} \mathrm{xuy}^{55}$
a little bit, $1 \varepsilon^{55} ; P a^{55} l \varepsilon^{55} l \varepsilon^{55}$
a little (water), ben ${ }^{55}$
a little while, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{so}^{33}\left(\mathrm{dz} \tilde{\mathrm{a}}^{53}\right)$
a month's (work), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{33} \mathrm{~s}^{31}{ }^{31} \mathrm{la}^{55}$
a night's (work), $\mathrm{t}^{\mathrm{t}}{ }^{33} \mathrm{ian}^{55}$
a single (e.g., shoe), $\mathrm{p}^{\mathrm{h}} \varepsilon^{35}$
a team (of oxen), tsi2 ${ }^{55}, \mathrm{su}^{33}$
a well trap, $a^{31}$ dzim ${ }^{33} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
a while, $\mathrm{t}^{1} \mathrm{i}^{55} \mathrm{so}^{31}$
a year's (work), $\mathrm{t}^{\text {h }}{ }^{55} \mathrm{numb}^{33}$
abacus, su $\varepsilon^{35} \mathrm{p}^{\mathrm{h}} \mathrm{E}^{31}$
abbot, dza $\mathrm{a}^{31} \mathrm{xa}^{31} \mathrm{zo}^{31} \mathrm{mun}^{55} \mathrm{su}^{55}$
ability, $\tilde{\mathrm{a}}^{31}$
ability, capability, $\mathrm{ba}^{31} \mathrm{~S}^{31} \mathrm{so}^{55}$
ability, capability, pun ${ }^{55} \mathrm{~s}^{35}$ (Ch.)
ablative (ABL), $\left.\mathrm{k}^{\mathrm{h}} \mathrm{u}\right)^{31} \mathrm{ne}^{55}, \mathrm{ne}^{55}$
able, can, $\mathrm{da}^{55}$
able, capable, competent, $\mathrm{di}^{31} \mathrm{zul}^{55}$
aboriginal, $\mathrm{a}^{31} \mathrm{nim}^{55} \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ar}^{31}$
about, approximately, almost, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{lu}^{55}$
above, the top; (from) above, $\mathrm{t}^{\mathrm{h}} \mathrm{ar}^{55}$
above; on top of, $\mathrm{ga}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{al}^{55}$
abuse, y $^{31}$
abusive language, $\mathrm{d} \varepsilon^{31} \mathrm{gzi}^{55} \mathrm{Po}^{55} \mathrm{nu}^{31}$ ! (Messy dog!)
accept, $\mathrm{lu}^{35}$
accept a bribe, $\mathrm{kua}^{55} \mathrm{ki}^{31}$
accomplish, succeed, $d a \eta^{55} ? \mathrm{~d} \not \mathrm{q} \varepsilon^{35}$
accounting, $\mathrm{k}^{\mathrm{h}} \mathrm{uai}^{35} \mathrm{tcc}^{35}$ (Ch.)
accumulate, a $^{31} \mathrm{mu}^{31} \mathrm{day}^{55} \mathrm{so}^{31} \mathrm{mu}^{53}$
accurate, $\mathrm{t}^{\mathrm{h}} \mathrm{um}^{55}$
accurate, $\mathrm{da}^{55}$
accustomed to, have habit of, dzan ${ }^{31} ; \mathrm{dzan}^{31} \varepsilon^{55}$
acne, io ${ }^{55} \mathrm{dz} 1^{31}$
across; horizontal, $\mathrm{xam}^{55} \mathrm{dan}^{55}$
act as go-between, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{n}_{\mathrm{i}} \mathrm{i}^{31} \mathrm{uq}^{31} \mathrm{u}^{31}$
act in play, ${\epsilon a^{55}} \mathrm{san}^{55} \mathrm{su}^{55}$
act as midwife, t $^{\text {h }} \mathrm{a}^{55} \mathrm{mu}^{55} \mathrm{\chi}^{31}$
act as peacemaker, $\mathrm{a}^{31} \mathrm{san}^{55} \mathrm{su}^{55} \mathrm{ba}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{an}^{31} \tilde{\mathrm{u}}^{31}$
act voluntarily, $\eta^{31} \mathrm{lug}^{55} \mathrm{n}^{31} \mathrm{na} \mathrm{\eta}^{55} \mathrm{se}^{31}$
actor, $\mathrm{cumy}^{55} \mathrm{ua}^{55} \mathrm{su}^{55}$
actor who takes female role, $\mathrm{yua}^{55} \mathrm{san}^{55} \mathrm{su}^{55}$
acupuncture, $\mathrm{vam}^{55} \mathrm{si}^{35} \mathrm{ni}^{33} \mathrm{yo}^{35}$
Adam's apple, $\mathrm{bi}^{55}$ to ${ }^{35}$ (Lisu)
add, $\mathrm{zam}^{31}$
add (water), dilute, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{man}^{53}$
add, increase, $\mathrm{a}^{31}$ nuy ${ }^{55} \mathrm{u}^{31}, \mathrm{sa}^{33} \mathrm{mo}^{31}$
add, to, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{nan}^{53}>\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{n} \varepsilon \mathrm{n}^{53}$
additionally, $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}}{ }^{31}$
additive ('Eat some more!'), dan ${ }^{33}$
addicted, $\left.\mathrm{t}^{\mathrm{h}} \mathrm{a}\right)^{55} \mathrm{~m}^{31} \mathrm{da}^{55}$
address, $\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{za}^{55}$
address (someone), $\mathrm{a}^{31} \mathrm{du}^{31} \operatorname{l\varepsilon } \mathrm{n}^{55} \mathrm{u}^{31}$
admire, envy, $\mathrm{mi}^{35} \mathrm{u}^{31}$
admire, envy, $\mathrm{mi}^{31} \mathrm{Yo}^{31}$
admit, ts ${ }^{\mathrm{h}} \mathrm{wr}^{31} \mathrm{zun}^{35}$
admit one's mistakes, $\mathrm{ma}^{31} \mathrm{du}^{31} \mathrm{n}_{\mathrm{n}} \mathrm{ul}^{31} \mathrm{so}^{53}$
adopt, $\mathrm{a}^{31} \mathrm{ium}^{31} \mathrm{di}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{35}$
adult, $\mathrm{a}^{31} \mathrm{sa}^{55}$
advance, $\mathrm{mq}^{55} \mathrm{su}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dz1}{ }^{33}$
advance (military), $\mathrm{ba}^{55} \mathrm{Su}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{53} \mathrm{dz}_{1}{ }^{55}$
advantageous, $s 1^{31} 1 \mathrm{a}^{55} \mathrm{~d}_{\mathrm{m}} \mathrm{m}^{55} \mathrm{a}^{31} \mathrm{n} \varepsilon^{55}$
adverbializers, $-\mathrm{ua}^{33}, \mathrm{li}^{55} /^{31}, \mathrm{~S}^{31},-\mathrm{uq}^{33} \mathrm{li}^{31}, \mathrm{li}^{31}$
advise, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{u}^{31}$ (Lisu)
advise, persuade, $\mathrm{k}^{\mathrm{h}} \mathrm{a} \mathrm{\eta}^{31} \mathrm{u}^{31} ; \mathrm{k}^{\mathrm{h}} \propto \eta \mathrm{u}^{31}$
after, if $^{55}{ }^{\text {iad }}{ }^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
after (time), $\mathrm{il}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55}$
afternoon, $\mathrm{a}^{31}{ }_{S 1} 1^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
afterwards, later, $\mathrm{il}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55}, \mathrm{ma}^{55} \mathrm{su}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
again, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{55}$
again; anew; afresh, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{dza}{ }^{31} ; \mathrm{d}_{\mathrm{p}} \mathrm{al}^{31}, \mathrm{be}^{55}$
against the current, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{Va}^{55} \mathrm{di}^{33} \mathrm{ban}^{53}$
against the wind, $\mathrm{na}^{31} \mathrm{bu}^{31} \mathrm{di}^{33} \mathrm{ban}^{53}$
age (years old), $\mathrm{y}^{31} \mathrm{n}_{\mathrm{m}} \mathrm{y}^{55}$
agent (AGT), $\mathrm{mi}^{53}$
agentive, - su ${ }^{55}<$ Lisu
agreeable, $\mathrm{ni}^{31}{ }^{31} \mathrm{Zl}^{31} \mathrm{la}^{55} \mathrm{a}^{31} \mathrm{du}^{55}$
agree on, arrange, $\mathrm{Pa}^{31} \mathrm{~d} \not \mathrm{q}^{5} \mathrm{n}^{55}$
aim at, $\varsigma_{1}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{31}$
air, $\mathrm{P}^{31} \mathrm{san}^{55}$
airplane, dzi ${ }^{33} \mathrm{hir}^{33}$ (Lisu), $\mathrm{d}_{\mathrm{m}}{ }^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
alive (fish), $\mathrm{a}^{31} \mathrm{n} \mathrm{nn}^{55} \mathrm{se}^{33}$
alive or active, become, $3 a^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{33}$
all get together, $\mathrm{da}^{31} \mathrm{si}^{55}$
all of us, $a^{31} \mathrm{dan}^{55}$

all the time, $\eta \varepsilon n^{55} \mathrm{\eta}^{5} n^{55}$
all the time, $\mathrm{dzu} \mathrm{u}^{55} \mathrm{~d} \mathrm{u}^{31}$
allergy, $\mathrm{tca}^{55} \mathrm{pu}^{55} \mathrm{ba}^{33}$
alone, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ar}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{io}^{55}$
along (the street), dun ${ }^{55}$
allow, to, $\mathrm{da}^{55} \varepsilon^{33}$
almost, about, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \operatorname{lu} \mathrm{P}^{55}\left(\mathrm{i} \varepsilon^{33}\right)$
along, in the same direction as, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{t}^{\mathrm{h}} \tilde{\mathrm{a}}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$
already, $\mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{~m}^{53} ; \mathrm{ti}^{55} \mathrm{say}^{31} \mathrm{di}^{55}$
already, $\mathrm{n} \mathrm{u}^{31} \mathrm{a}^{55}$
alter, change, $\mathrm{ni}^{33} \mathrm{ni}_{\mathrm{i}}{ }^{33}$
altogether, $\mathrm{a}^{31} \mathrm{dan}^{55}$
also, $\mathrm{gu}^{55} /^{11} /^{33}$

alter, change, $s 1^{55} \mathrm{t}^{\mathrm{h}} \mathrm{un}^{31} \mathrm{sa}^{53} \mathrm{u}^{31}$
although, $\mathrm{i}^{33} \mathrm{zi}^{33} \mathrm{gur}^{33} \ldots$
always, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{di}^{55} \mathrm{gu}^{53}$
always; all along, $\mathfrak{y} \varepsilon^{55} \eta \varepsilon n^{55} \mathrm{dzu}{ }^{55} \mathrm{dzu}{ }^{31}$
amateur, $\mathrm{a}^{55} \mathrm{le}^{55} \mathrm{gux}^{31} \mathrm{~mm}^{31} \mathrm{so}^{53}$
ambush, $\mathrm{ma}^{55} \mathrm{~S} 1^{31}$
amiable; kind, $\mathrm{ca}^{31} \mathrm{di}^{31} \mathrm{dzal}^{55} \mathrm{da}^{55}$
amiable; kind, num ${ }^{55} \varepsilon^{31}$
Amidha Buddha, $\mathrm{ca}^{55} \mathrm{mo}^{31}$
among, between, $\mathrm{di}^{31} \mathrm{dium}^{55}$
ancestors, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \cdot \mathrm{I}^{31}$ (Lisu)
anchor, $\mathrm{a}^{31} \mathrm{sum}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{va}^{31} \mathrm{~d}^{2} \mathrm{~m}^{55}$
and, with, $s 1^{55} ; \mathrm{si}^{55}$
angry, get, $\mathrm{a}^{31} \mathrm{mian}^{55}$
anger someone, $\mathrm{i}^{31}$ gun $^{55}$
angry, get, $\mathrm{a}^{31} \mathrm{mimm}^{55}\left(\mathrm{se}^{33} / \mathrm{s} 1^{33}\right)$
animal, wild, $\mathrm{sa}^{55}, \mathrm{a}^{31} \mathrm{dam}^{31} \mathrm{Sa}^{55}, \varphi \mathrm{a}^{55}$
anklebone, $\mathrm{Pa}^{31} \mathrm{xa}^{35} \mathrm{tch}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ndi}^{55}$
Anong (autonym), $\mathrm{a}^{31}$ nu1 ${ }^{31}$
Anong nationality, $\mathrm{a}^{31}$ nu ${ }^{31} \mathrm{ts}^{\mathrm{h}} 1^{55}$
answer, to, $\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{ar}^{31} \mathrm{a}^{31} \mathrm{i}^{55}$
ant, $\mathrm{so}^{31} \mathrm{zo}^{55}$
ant, white; termite, $\mathrm{s}^{31} \mathrm{zo}^{55} \mathrm{ba}^{55}$
antiquity, ancient, ${? a^{31}} \mathrm{k}^{\mathrm{h}} \mathrm{e}^{31} \mathrm{Iam}^{35}$
antler, pilose (of young stag), $\epsilon \mathrm{a}^{33} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{33}$
anus (hole), ni ${ }^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{31}$
anvil, $\mathrm{a}^{55} \mathrm{um}^{55} \mathrm{za}^{55}$
any; whatever, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{gux}^{55}$
anyway; whatever, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{gul}^{55}$
anyway, after all, $\mathrm{za}^{55} \mathrm{~m}^{31} \mathrm{Za}^{55} \mathrm{guu}^{55}$
anxious, duy ${ }^{55} \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{55}$
apart, $\mathrm{cumm}^{53} \mathrm{wal}^{53}$
ape, $\mathrm{ga}^{55} \mathrm{gux}^{31}$
apologize, $\mathrm{p}^{\mathrm{h}} \mathrm{ur}^{31} \mathrm{li}^{31} \mathrm{a}^{31}$ buii ${ }^{53}$
appear, to, $\operatorname{lan}^{53} \mathrm{a}^{31} \mathrm{na}^{33}$
appearance, shape, ${ }^{30^{55}} \mathrm{num}^{31} \mathrm{dum}^{31} \mathrm{tc}^{\mathrm{h}} \varepsilon^{55}$
appendix, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{i} \mathrm{mu}^{55} \mathrm{di}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{q}^{55}$
appetite, $\mathrm{p}^{\mathrm{h}} \mathrm{ul}^{31} \mathrm{i} \varepsilon \mathrm{n}^{31} \mathrm{ad}^{55}$
applause, $\mathrm{a}^{31} \mathrm{vu}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{am}^{55}$
apple, $\mathrm{p}^{\mathrm{h}} \mathrm{in}^{31} \mathrm{ko}^{53}$ (Ch.)
apply, to, $\mathrm{a}^{31} \mathrm{n} \varepsilon^{35}$
apply medicine or paint, $\mathrm{dzam}^{53} \mathrm{ya}^{31} \uparrow \eta \varepsilon^{35}$
apply (ointment), $\mathrm{zam}^{53}$
apprentice, $\mathrm{tG}^{\mathrm{h}} \mathrm{En}^{31} \mathrm{su}^{55}$
apron, $\operatorname{la}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}$
approximate marker (APPR), several, da $)^{55}$
approximately, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{lu} \mathrm{P}^{55}$
April, b. $1^{31}{ }^{1 l^{55}}$
apron, $\mathrm{la}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55}$
apron, $\mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{xu}^{35}$ (Lisu)
Arab (self-designation), $a^{31}$ nuy ${ }^{31}$
arbitrate; mediate, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{33} \mathrm{n}_{0}{ }^{53} \mathrm{mu}^{31}$
arc of bow, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55}$
arch of foot, $\mathrm{Pa}^{31} \mathrm{xa}^{35} \mathrm{pam}^{55} \mathrm{dum}^{31} \mathrm{dum}^{31}$
argali (wild sheep), sie ${ }^{33}$
argue, $\mathrm{a}^{31} \operatorname{san}^{55}$
arm from wrist up, $a^{31} \mathrm{vu}^{35} \mathrm{t}^{\mathrm{h}} \mathrm{ul}^{31}$
arm, $\mathrm{Ia}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{55}$
arm, $a^{31} v u^{35}\left(t c^{h} i^{31} n i^{55}\right)$
$\operatorname{arm}$ (part of), $\mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{n}_{\mathrm{i}} \mathrm{i}^{55}$
armpit, $\mathrm{gu}^{31} \mathrm{lu}^{55}$
arm muscles, biceps, $\mathrm{a}^{31} \mathrm{vu}^{35} \mathrm{t}^{\mathrm{h}} \mathrm{ul}^{31} \mathrm{ca}^{53}$
arm of chair, $\mathrm{a}^{31} \mathrm{vu}^{55} \mathrm{di}^{31} \mathrm{bun}^{55} \mathrm{~S} 1^{31}$
armor, $a^{31} \mathrm{~d}_{7} \mathrm{a}^{53} \mathrm{ga}^{31} \mathrm{mum}^{31}$
armspan, the length from finger tip to finger tip with arms spread, lam ${ }^{33}$
arms akimbo, $\mathrm{a}^{3 \mathrm{~V}^{1} \mathrm{vu}^{35} \mathrm{di}^{31} \mathrm{bay}^{55} \mathrm{~s} 1^{31}}$
army; troops, soldier, $\mathrm{ium}^{31}$; $\mathrm{iul}^{31} \mathrm{mum}^{55} \mathrm{su}^{55}$
army cap, ium ${ }^{31} \mathrm{da}^{31} \mathrm{mo}^{55}$
around, $\mathrm{i}^{55} \mathrm{dza}^{55}\left(\mathrm{ba}^{31}\right)$
arrive, $t^{h} \mathrm{u}^{31}$
arrogant, conceited, $\mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{al}^{31} \mathrm{~S} 1^{55}$
arrow, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55}$
arrow (nonpoison), $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dan}^{55}$
arrow bag, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{dz}_{\mathrm{l}}{ }^{55}$
arrow groove, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31}$
arrow head, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55} \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{uq}^{55}$
arrow shaft, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55}$
arrow tail, $\mathrm{ba}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{31}$
arrow, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55}$
arson, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{mi}^{55} \mathrm{va}^{53} \mathrm{u}^{31}$
arteries, veins, $6 \mathrm{mb}^{33} \mathrm{bul}^{55}$
artillery, $\mathrm{ta}^{35} \mathrm{p}^{\mathrm{h}} \tilde{\mathrm{o}}^{35}$ (Ch.)
as soon as, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{t} \mathrm{c}^{\mathrm{th}} \tilde{\mathrm{a}}^{31} \ldots \mathrm{gu}{ }^{31} \ldots$
ascend the stairs, $\mathrm{la}^{31} \mathrm{bu}{ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{ar}^{55}$
ascend; climb, $\mathrm{na}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}\left(\mathrm{dz}{ }^{55}\right)$
ascend; up; above, $\mathrm{ka}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55}$
ascend or climb a hill, $\mathrm{mo}^{31} \mathrm{guy}^{55} \mathrm{dan}^{55}$
ash; ember, $\mathrm{ni}^{33} \mathrm{iy}^{53}$
ashamed, embarrassed, $\varsigma_{1}{ }^{31} \mathrm{Ian}^{55} \mathrm{~m}^{31} \mathrm{dzan}^{55}, \mathrm{can}^{55}$
ashes (fire), $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{i} \mathrm{\varepsilon}^{31}, \mathrm{ni}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55}$
ashes, become, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{i}^{31} \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{Pd} z \varepsilon^{35}$
aside, $\mathrm{da}^{33}$
ask a guest to stay, no ${ }^{31}$ ium ${ }^{55}$
ask for, request, $g \varepsilon^{{ }^{\circ i}{ }^{1} \mathrm{nu}^{55}}$
ask for leave, $\mathrm{tc}^{\mathrm{h}} \mathrm{in}^{55} \mathrm{t} \mathrm{ta}^{53}$
ask, $\mathrm{z}_{1} \mathrm{n}^{53}$; ask each other, $\mathrm{a}^{31} \mathrm{z}_{1} \mathrm{n}^{53}$
askew, awry, go ${ }^{31} l a \eta^{55}$
asparagus lettuce, $\mathrm{Ro}^{55} \mathrm{si}^{55}$ (Ch.)
aspect (ASP), $d z \varepsilon^{31},-u^{31}, b u^{33} \varepsilon^{31}$
assertive, to seize floor to speak, $\mathrm{t}^{\mathrm{h}} \mathrm{in} \mathrm{P}^{55}$
assess, estimate, $\mathrm{ts}^{\mathrm{h}} \mathrm{om}^{53}$
assign a theme or composition, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{mu}^{31}$
assistant; aide, $\mathrm{di}^{31} \mathrm{bay}^{33} \mathrm{su}^{55}$
asthma, san ${ }^{55} \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{35}$
astringent, tart, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55}$
at any time, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{gam}^{53}$
at first, $a^{31} \mathrm{mo}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35}$
at first; first of all, $\mathrm{ba}^{55} \mathrm{su}^{31}$
at one time $\ldots$ at another..., $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{so}^{31} \mathrm{a}^{31} \ldots \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{so}^{31} \mathrm{a}^{31} \ldots$
at the same time, simultaneously, $1 \varepsilon^{31} \mathrm{~S} 1^{55} \ldots l \varepsilon^{31} \mathrm{~S} 1^{55} \ldots, \mathrm{ma}^{31} \mathrm{na}^{31} \ldots$ $\mathrm{ma}^{31} \mathrm{na}^{31} \ldots$
at night; evening, $\mathrm{dux}^{31} \mathrm{a}^{31} \mathrm{yi}^{35}$ (dusk)
at your convenience, $a^{31} t \epsilon^{h} w \eta^{55} t c^{h} w V^{55}$
athlete's foot, $\mathrm{ts}^{\mathrm{h}} \mathrm{l}^{31} \mathrm{dza}^{31} \mathrm{buw}^{31} \mathrm{sa}^{31} \mathrm{n}^{55}$
atlas, $\mathrm{di}^{35} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{31}$
attend class, $\operatorname{ci}^{31} \mathrm{nin}^{55} \mathrm{u}^{31}$, $\operatorname{sa\eta }^{35} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{35}$ (Ch.)
attend meeting, $\mathrm{k}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{xue}^{35}$ (Ch.)
attend or hold a meeting, $\mathrm{k}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{xue}^{35}$
audit (accounts), $\operatorname{tsan}^{35} \mathrm{~d}_{\mathrm{p}} \mathrm{a}^{53} \mathrm{u}^{31}$
August, $\operatorname{cen}^{55} \mathrm{la}^{55}$
aunt; father's married sister, $\mathrm{a}^{31} \mathrm{lun}^{35}$
aunt; wife of father's older brother, $\mathrm{au}^{31} \mathrm{ma}^{31}$
aunt; wife of father's younger brother, $\mathrm{ma}^{55} \mathrm{io}^{55}$
aunt; wife of mother's brother, $\left.a^{31} l u\right)^{35}$
aunt and uncle, $o^{55} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{au}^{31} \mathrm{ma}^{31}$
avenge a grievance, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{35} \mathrm{tc}^{\mathrm{h}} \mathrm{in}{ }^{31} \mathrm{u}^{31}$
avoid certain food, $\mathrm{S}^{31} \mathrm{dan}{ }^{31} \mathrm{se}^{53}$
automobile $=$ car, $\mathrm{mo}^{55} \mathrm{do}^{55}$
automobile, $\varphi^{55}{ }^{55} 1^{31}{ }^{31} 1^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$
automobile road, $\mathrm{mo}^{55} \mathrm{do}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31}$
awake from a drunken stupor, $\mathrm{bu}^{31} \mathrm{a}^{31} \mathrm{ni}^{55}$
awake from drunken stupor, $\mathrm{t} 6^{\mathrm{h}} \mathrm{o}^{55} \mathrm{guy}^{55}$
awaken; wake up, $\mathrm{a}^{31} \mathrm{se}^{55}$
awaken; wake up, bu ${ }^{31} \mathrm{a}^{31} \mathrm{nd}^{55}$
aware, $\mathrm{a}^{31} \mathrm{~d} 7 \mathrm{a}^{55} \mathrm{~S}^{31}$
aware, become, $\operatorname{tco}^{31} \mathrm{u}^{35}$
awl, s1 ${ }^{31} \mathrm{do}^{31} \mathrm{iur}^{55} \mathrm{u}^{31}$
axe; hatchet, $\mathrm{va}^{55}, \mathrm{va}^{55}$
azalea, $m \varepsilon^{55} \mathrm{la}^{31} v \varepsilon \mathrm{n}^{55}$
baby; infant, $a^{31} n_{i} \mathrm{i}^{31} 1 a^{31} ; \mathrm{a}^{31} \mathrm{n}^{55} \mathrm{la}^{55}$
baby finger, $\mathrm{n}^{31} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{im}^{55} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
babysitter, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ma}^{55} \mathrm{dzan}{ }^{31} \mathrm{su}^{55}$
bachelor, gua ${ }^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{io}^{55}$
back (of body), $\mathrm{ii}^{55} \mathrm{zan}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{53}$
back (of body), $d \varepsilon^{31}$ gun ${ }^{31} t^{h} a \eta^{55}$
back of hand, $a^{31} v u^{35} t^{h} \mathrm{an}^{55}$
back, $\mathrm{zl}^{35} \mathrm{a}^{31} \mathrm{bo}^{55}$
back basket, da ${ }^{31}$ gun ${ }^{55}$
back door, $\left.1 a^{33} t^{h}{ }^{\mathrm{h}} \mathrm{wn}\right)^{55} \mathrm{ian}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{53}$
back of chair, go ${ }^{55} \mathrm{no}^{33} \mathrm{~d} \varepsilon \mathrm{~m}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{nam}^{55} \mathrm{~S}^{31}$
back of hand, $a^{31} v u^{35} t^{h} a \eta^{55}$
back of knife, $\varphi \varepsilon \mathrm{m}^{31} \mathrm{da}^{31}$ gun $^{31}$
back of neck, occiput, go $^{31} \mathrm{lo}^{53} \mathrm{buun}^{55}$
back up, retreat, $\operatorname{cin}^{55} \mathrm{Sa}^{31}$
backbone, d $\varepsilon^{31}$ gun $^{31} t^{h}{ }^{h}$ un $^{31}$
backpack frame, $6 a^{31} \mathrm{xam}^{55} \mathrm{dem}^{55}$
backyard, $\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{zan}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{~d} \mathrm{qa}^{31} \mathrm{xam}^{35}$
bacon; cured meat, $6 a^{33} \mathrm{l}^{55}$
bad, $m^{31} \not \mathrm{a}^{33}$
bad (person), $\mathrm{m}^{31} \mathrm{~s}^{31} \mathrm{la}^{33}, \mathrm{~m}^{31} \mathrm{qa}^{33}$
bad-tempered, $\mathrm{p}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{35} \mathrm{~m}^{31} \not \mathrm{a}^{55}$
bag of sugar, $d w^{31} p^{h} u^{31} u^{31}, p^{h} u^{55}$ (bag)
bah!, $\mathrm{p}^{\mathrm{h}} \mathrm{e}^{53}$
Bai person, $\mathrm{la}^{31} \mathrm{bu}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{um}^{31}$ (Lisu)
bake in glowing embers, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}}{ }^{31} \mathrm{u}^{31} \varepsilon^{55} \mathrm{gu}^{55}$
bake, roast, lim ${ }^{55}$
balance ( n .), $\mathrm{ba}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{in}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
balance hook, ng ${ }^{31} t^{\text {h }}{ }^{\text {i }} \mathrm{im}^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
balance, scale, $\eta^{31} \varepsilon^{31} \mathrm{~d}^{55}$
balance scale with capital, $\mathrm{i}^{55} \mathrm{ko}^{31} \mathrm{na}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55}$
bald headed, $\mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55}$
bald, bare, $t^{\text {h }} \mathrm{a}^{55} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{a}^{55}$
ball, a, $\mathrm{p}^{\mathrm{h} \mathrm{i}^{3}} \mathrm{t}_{6}{ }^{\mathrm{h}} \mathrm{u}^{31}$ -
ball, a, $6 a^{55}$ sam $\left.^{31} \chi u\right)^{5}$
ball of dough, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55}$
balloon guitar, $\mathrm{tc} \mathrm{c}^{55} \mathrm{buw}^{55}$
bamboo, $a^{31} \mathrm{Pban}^{55}$
bamboo, $\mathrm{k}^{\mathrm{h}} \mathrm{am}^{33}$
bamboo basket for rice-washing, $\mathbf{S 1}^{55} \mathrm{ba}^{31} \mathrm{lu} \mathrm{V}^{31}$
bamboo (cane), $\mathrm{hi}^{31} \mathrm{zl}^{31}$
bamboo flute, $\mathrm{d}_{\mathrm{i}} \mathrm{i}^{31} \mathrm{li}^{31}$
bamboo joint, $\mathrm{k}^{\mathrm{h}} \mathrm{am}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ni}_{\mathrm{i}}{ }^{55} ; \tan ^{55}$
bamboo (mountain), $\mathrm{t}^{\mathrm{t}} \mathrm{i}^{31} \mathrm{ma}^{31}$
bamboo (poisonous), $\mathrm{a}^{31}$ juy $^{55}$
bamboo root, $\mathrm{k}^{\mathrm{h}} \mathrm{dm}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{um}^{55}$
bamboo (rubber), ts ${ }^{\mathrm{h}} 1^{31} \mathrm{nan}^{31}$
bamboo shoots, $\mathrm{a}^{31} \mathrm{may}^{55}$
bamboo skimmer, $\mathrm{ni}^{\mathbf{3 1}} \mathrm{su}^{31}$
bamboo slices, $\mathrm{a}^{31}{ }^{1} \mathrm{cim}^{55}$
bamboo, solid, $\mathrm{a}^{31} \mathrm{t}_{1} \mathrm{n}^{55}$
bamboo strip, thin, $\mathrm{a}^{31} \mathrm{lam}^{31}$
bamboo, strip, $\Omega_{1}{ }^{55} \mathrm{p}^{\text {h }} \mathrm{a}^{31}$
bamboo, dragon, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{uq}^{55}$
bamboo, gold, $\mathrm{k}^{\mathrm{h}} \mathrm{am}^{55}$
bamboo, mountain, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ma}^{31}$
bamboo type, $s 1^{31} \mathrm{men}^{55}$
bamboo type, $\mathrm{a}^{31} \mathrm{lu}^{31}$
bamboo type, $a^{31}$ Pben ${ }^{55}$
bamboo type, $a^{31}$ Pban $^{55}$ xal $^{35}$
bamboo type, $\mathrm{ma}^{31} \mathrm{nam}^{55}$
bamboo type, $\mathrm{a}^{31} \mathrm{~d} \varepsilon^{31}$
bamboo type, $\mathrm{a}^{31} \mathrm{va}^{55}$
ban, forbid, prohibit, $\mathrm{k}^{\mathrm{h}} \mathrm{unj}^{31}$
band (clothing), $\mathrm{mu}^{55}{\mathrm{~d} \varepsilon \mathrm{~m}^{55}}^{55}$
bandit, $\mathrm{m}^{31} \mathrm{can}^{55} \mathrm{ua}^{33} \mathrm{su}^{55}$
bandit; brigand; $\mathrm{t}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{fei}^{55}$ (Ch.)
bank (money), $\mathrm{d} 7 \mathrm{a}^{31} \mathrm{xa}^{31} \operatorname{lay}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}, \mathrm{in}^{31} \mathrm{xay}^{55}>\tilde{1}^{31} \mathrm{xa}^{55}$ (Ch.)
bank (river), $\mathrm{di}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$
bank (river), $\mathrm{t}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{pua}^{31} \mathrm{sa}^{55}$
barber, $\mathrm{a}^{31} \mathrm{ni}^{55}{ }^{5} \mathrm{ci}^{31} \mathrm{im}^{55} \mathrm{su}^{55}$
barefooted, $\mathrm{a}^{31} \mathrm{xa}^{35} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$

bark, $\mathrm{Pd}_{7} \mathrm{u}^{55} \mathrm{nu}^{31}$
bark, yap (dog), lun ${ }^{55}, \mathrm{k}^{\mathrm{h}} \mathrm{yi}^{53} \mathrm{u}^{31}, \mathrm{~d} \boldsymbol{z}^{35}$
barley, $\mathrm{sa}^{55} . \mathrm{Ia}^{31}$
barley, highland, $\mathrm{ka}^{31} \mathrm{sur}^{31} \mathrm{ua}^{55}$
barnyard millet, $t \mathrm{tco}^{55} \mathrm{ba}^{55}$
bashful, can ${ }^{55} \mathrm{~S} 1^{31}$
bashful, shy, $\left.\mathrm{S} 1^{33} \mathrm{can}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{can}\right)^{55}$
basin; washbasin, $m \varepsilon \eta^{55} \mathrm{~d} \not \varepsilon^{n^{55}} \mathrm{~d}^{25} \mathrm{~m}^{55}$
basket (back), da ${ }^{31}$ guy $^{55}$
basket (bamboo) (rice-washing), $\left.\mathrm{sl}^{55} \mathrm{ba}^{31} \mathrm{lu}\right)^{31}$
basket, large bamboo/wicker, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{33}$
basket, shallow, $\mathrm{la}^{35} \mathrm{~d} \mathbf{7} \mathrm{mu}^{31}$
basket, small, $\mathrm{p}^{\mathrm{h}} \varepsilon^{55} \mathrm{p}^{\mathrm{h}} \varepsilon^{55}$
basket, $\mathrm{xa}^{55}$
basket, $\mathrm{p}^{\mathrm{h}} \varepsilon^{53}$
basket for fowls, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dan}^{31}$
bat, $\mathrm{ba}^{55} \mathrm{su}^{55}, \mathrm{ua}^{31} \mathrm{la}^{31}$ (Lisu)
bath towel, $\mathrm{z}^{31} \mathrm{gux}^{31} \mathrm{~d} z \varepsilon \mathrm{n}^{55} \mathrm{~S}^{31}{ }^{31} \mathrm{in}^{31} \mathrm{~d}^{2} \mathrm{~m}^{55}$
bathe, $z{ }^{31} \mathrm{gu}^{31} \mathrm{~d} z \varepsilon \mathrm{n}^{55}$
bathhouse, $\mathrm{zl}^{31} \mathrm{gux}^{31} \mathrm{~d} \not \varepsilon^{5}{ }^{55} \mathrm{~d}^{2} \mathrm{~m}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
bathtub, $\mathrm{zl}_{1}^{31} \mathrm{gux}^{31} \mathrm{~d} z \varepsilon \mathrm{n}^{55} \mathrm{dza}{ }^{35} \mathrm{k}^{\mathrm{h}} \mathrm{un}^{55}$
battlefield, $\mathrm{a}^{31} \operatorname{san}^{55} \mathrm{za}^{55}$
bayberry, red, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{lu}^{55}$
bayberry, red, small, $\mathrm{mo}^{31} \mathrm{zom}^{31}$
be at, stay, no ${ }^{33}$
be at home; be in, no ${ }^{33}$
be in heat, $?^{25}{ }^{55} 1^{55} \mathrm{\gamma um}^{31}$
be sad, feel sorry, nim $^{31} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{Ca}^{31}$
be, $\mathrm{i}^{33} \mathrm{yzin}^{55}$
be, $\mathrm{za}^{55}$
be or become a wife, $t 6^{h} \mathrm{a}^{31} \mathrm{ma}^{55} \mathrm{ua}^{31}$
be, not-; false, $\mathrm{m}^{31} \mathrm{zl}^{55}$
beach, dzay ${ }^{31}$
beak, bill, $\mathrm{n}^{55} \mathrm{dz}{ }^{31}$
beak, bill, $\mathrm{n}^{55} \mathrm{dz} 1^{31}$
beam, $\mathrm{la}^{31} \mathrm{bum}^{55} \mathrm{gun}^{31}$
beam or ridge of roof, $\mathrm{a}^{31} \mathrm{dzl}_{\mathrm{l}^{31}} \mathrm{z}_{1}^{55} \mathrm{gul}^{31}$
beam of a steelyard, $\mathfrak{\eta} \varepsilon^{31} d \varepsilon m^{55} 1 \tilde{a}^{33}$
bean curd, $\mathrm{a}^{31} \mathrm{no}^{55} \mathrm{di}^{31} \mathrm{Zi}^{55}$
bean curd, $\mathrm{a}^{31} \mathrm{no}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55}$
bean sprouts (a dish), $\mathrm{a}^{31} \mathrm{no}^{55} \mathrm{bi}^{31} \mathrm{li}^{31} \mathrm{a}^{31} \mathrm{man}^{55}$
bean thread, fum ${ }^{55} \mathrm{t}^{\text {hiau }}{ }^{31}$
bean, broad, $\mathrm{nu}^{55} \mathrm{di}^{31}$ (Lisu)
bean, mung, $n u^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}$ (Lisu)
bean, red, $\mathrm{a}^{31} \mathrm{no}^{55} \mathrm{bu}^{31} \mathrm{si}^{31}$
bean, string, do ${ }^{31} \mathrm{baP}^{31}$
bean, white, $\mathrm{a}^{31} \mathrm{no}^{55} \mathrm{ba}^{33}$
beans, peas, soy beans, $\mathrm{a}^{31} \mathrm{no}^{55}$
bear ( n .), $\mathrm{Sl}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
bear, black, $\$ 1^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
bear gall, $\mathrm{Sc}^{55} \mathrm{da}^{33} \mathrm{k}^{\mathrm{h}} \cdot 1^{55}$
bear grudge, $n \mathrm{nim}^{31} \mathrm{z} 1^{55} \mathrm{u}^{31}$
bear (fruit), $\mathrm{n}^{31} \mathrm{~S}^{33} \mathrm{dz} 1^{33} ; \mathrm{dz}_{1}{ }^{33}$
bear (fruit), $\mathrm{Pn}^{31} \mathrm{qn}^{55} \mathrm{ven}^{55}$
beard of grain, $\mathrm{Sa}^{31} \mathrm{za}^{31} \mathrm{~min}^{33}$
beard, full, ba ${ }^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31}$ (Lisu)
beard, $\mathrm{mu}^{31} \mathrm{ts} 1^{55}$ (Lisu)
beast, $\mathrm{i}^{55} \varepsilon^{31}, \mathrm{xo}^{55}$
beast, $\mathrm{a}^{31} \mathrm{dam}^{31} \mathrm{sa}^{55}$
beast cave, $\mathrm{ca}^{55} \mathrm{dan}^{31}$
beat to death, $\mathrm{dzo}^{31} \mathrm{sa}^{55} \mathrm{u}^{31}$
beat with fist, $\mathrm{dzu}^{35} \mathrm{n}_{\mathrm{i}}{ }^{55}$
beat, rap, tap, yom ${ }^{55}$
beat, thump, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{o}^{55}$
beautiful, $\mathrm{a}^{31} \mathrm{n} \varepsilon \mathrm{m}^{55}$
beautiful, handsome, $\mathrm{a}^{31}{\mathrm{n} \varepsilon \mathrm{m}^{55}}^{\mathrm{m}} \varepsilon^{55}$
because, lan ${ }^{53}$
beckon, wave, $\mathrm{a}^{31} \mathrm{t}_{\mathrm{h}} \mathrm{h}^{31} \mathrm{v} \varepsilon^{55}$
beckon with hand, $\mathrm{a}^{31} \mathrm{vu}^{35}$
become, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{33}, \mathrm{a}^{31} \mathrm{~d} \mathrm{~m}^{55}$
become a Buddhist monk or nun, $\mathrm{t}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{duy}^{55} \mathrm{~m}^{31} \mathrm{no}^{33}$
become good; reform, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{55}$
become moldy, yur ${ }^{55}$
become, change, $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{35} ; \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{a}^{31} \mathrm{t}_{6} \mathrm{c}^{1 \mathrm{~F}}{ }^{55} \mathrm{u}^{31}$
become, change, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{55}$
bed edge, $\mathrm{nim}^{55} \mathrm{za}^{55} \mathrm{di}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{in}^{55}$
bed made up, ss ${ }^{31} \mathrm{dum}^{31} \mathrm{duv}^{55} \mathrm{u}^{31}$
bed plank, nim ${ }^{55} \mathrm{za}^{55} \mathrm{lan}^{31}$
bed, nim $^{55} \mathrm{za}^{55}$
bedbug, $\varsigma \varepsilon \mathrm{m}^{53}$
bedbug, $\mathrm{ma}^{31} \mathrm{xum}^{31}$ (Lisu)
bedding $=$ bed, nim $^{55} \mathrm{za}^{55}$
bedroom, nim ${ }^{55} \mathrm{k}^{\mathrm{h}} \mathrm{uaq}{ }^{55}$
bee sting, $\mathrm{s}^{31}{ }^{1} \mathrm{la}^{55}$
bee; honeybee, $\$ 1^{55} \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{55} ; \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{33}$
beef, $n \tilde{o}^{31} u \tilde{a}^{31} \mathrm{ca}^{33}$
beef stomach, no $\tilde{o}^{31} u \tilde{a}^{31} p^{h} \mathrm{a}^{53}$
beehive, honeycomb, $\mathrm{k}^{\mathrm{h}} \mathrm{uq}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{um}^{55}$
beetles, class of destructive ones, $\mathrm{cumi}^{55} \mathrm{z}_{\mathrm{om}}{ }^{55}$
before (time), $\mathrm{ma}^{55} \mathrm{su}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{53}$
before; formerly, $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{e}^{31} \mathrm{Iam}^{35}, \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{zam}^{55}, \mathrm{ua}^{33} \mathrm{su}^{55}$
before noon, $\mathrm{a}^{31} \operatorname{san}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
beg, $\mathrm{vu}^{31} \varepsilon^{55}$
beg (rice), $\mathrm{bu}^{55} \mathrm{dza}^{31} \mathrm{vu}^{55}$
beggar, $\mathrm{bu}{ }^{55} \mathrm{dza}^{31} \mathrm{vu}^{31} \mathrm{su}^{55}$
beggar, $\mathrm{di}^{31} \mathrm{dza}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31}$
begin class, san ${ }^{35} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{35}$
begin class, $\mathrm{ci}^{31} \mathrm{nin}^{55} \mathrm{u}^{31}$
begin; start, $\mathrm{mi}^{55} \mathrm{nu}^{31}$
begin; start, $\mathrm{Po}^{33} \mathrm{mo}^{55}$
beginning of the month, $\mathrm{sl}^{31} \mathrm{la}^{55} \mathrm{mo}^{55}$
beginning of the year, $\mathrm{o}^{31} \mathrm{n}, \mathrm{ni}^{55} \mathrm{mo}^{55}$
behead, $\mathrm{ba}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{nu}^{55}, \mathrm{pa}^{31} \mathrm{dzan}^{55} \mathrm{u}^{55}$
behead, $\mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{255}$
behind, $\mathrm{Pi}^{55} \mathrm{zan}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{53}$
Beijing, $\mathrm{pe}^{31} \mathrm{tçin}^{55}$ (Ch.)
belch, $\mathrm{xu}^{33} \mathrm{um}^{55}$
belch, hiccup, $\mathrm{di}^{31} \mathrm{gur}^{31} \mathrm{ve}^{31}$

believe, trust, $\mathrm{Cay}^{55} \mathrm{cin}^{35}$
bell, $\mathrm{ca}^{55} \mathrm{ts}^{\mathrm{h}} 1^{55}$ (Lisu)
bell, musical, $\mathrm{na}^{55} \mathrm{li}^{55}$ (Burmese)
bellows, $\mathrm{di}^{55} \mathrm{fu}^{31}$
belly; abdomen; stomach, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55}$
bellyband; girth, $m \tilde{a}^{31} p^{h} \mathrm{a}^{55} \mathrm{ma}^{55} \mathrm{~d}^{2} \mathrm{~m}^{55}$
below; following, $\mathrm{ga}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{ay}^{33} ; \mathrm{p}^{\mathrm{h}} \mathrm{ay}^{33}$
belt for carrying baby on back, $t 6^{h} a^{55} p^{h} a^{33}$
belt for carrying baby on back, $\mathrm{bu}^{31} \mathrm{lu}^{31}$
bend, $\mathrm{ni}^{31} \mathrm{u}^{31}$
bend over, $\mathrm{dza}_{1}{ }^{55} \mathrm{gun}^{55}$
bequeath, $\mathrm{bu}^{31} \mathrm{sq}^{55}, \mathrm{bur}^{31} \mathrm{sqn}^{31}$
beside, by the side of, $\mathrm{sa}^{31}$
bet, to, ?a $^{31}$ dzon $^{55}$
bharal, blue sheep, $\mathrm{a}^{31} \mathrm{dzun}{ }^{55}$
big, $\left.\mathrm{ua}^{55} \mathrm{dum}\right)^{31}, \mathrm{ua}^{55} \mathrm{dum}^{31}, \mathrm{ta}^{53}$ (Ch.), $\mathrm{ta}^{53}$ (Ch.)
big, become, $u^{55} \mathrm{dur}{ }^{31} \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{55}$
bicycle, bike, $\mathrm{ten}^{55} \mathrm{ts}^{\mathrm{h}} \varepsilon^{55}$
bicycle, to, ten ${ }^{55} \mathrm{ts}^{\mathrm{th}} \varepsilon^{55} \mathrm{di}^{31} \mathrm{dzul}^{31} \mathrm{~s}^{55}$
Bijiang River, $\mathrm{pi}^{31} \mathrm{tca}^{35}$
bile, $\mathrm{da}^{31} \mathrm{k}^{\mathrm{h}} \downarrow 1^{55} \mathrm{ts}^{\mathrm{h}} 1^{31}$
billfold, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{~d} \varepsilon^{55} \mathrm{gun}{ }^{55}$
bind around, $t^{\mathrm{h}}{ }^{\mathrm{m}} \mathrm{m}^{255}$
bind feet, $a^{31} \mathrm{xa}^{55} \mathrm{xua}^{53} \tilde{\mathrm{u}}^{31}$
bind with hoop, xuanu ${ }^{53}$
bind, tie up, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{va}^{31} \mathrm{u}^{31} ; \operatorname{ta}^{55} \mathrm{va}^{31}$
bind, tie up, $\mathrm{p}^{\mathrm{h}} \mathrm{an}^{31}$
birch, $\mathrm{a}^{31} \mathrm{da}^{55}$
bird cry, cackle, gu $^{31} \mathrm{la}^{55} \varepsilon^{31}$
bird cry, $\mathrm{se}^{55}, \mathrm{si}^{55} \mathrm{li}^{55} \mathrm{si}^{33} \mathrm{l}^{33} \mathrm{u}^{31}$
bird nest, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dan}^{31}$
bird, baby, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
bird, kind of, mu ${ }^{55}$ gie $^{55}$
bird, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55}$
birth, born; give birth, duw ${ }^{31} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{31}$
birthday, $\mathrm{ma}^{55} \mathrm{zan}^{55} \mathrm{so}^{31} \mathrm{ni}^{55} \mathrm{num}^{31}$
bitch, $\mathrm{d} \varepsilon^{31} \mathrm{gzi}^{33} \mathrm{ma}^{55}$
bite, $\mathrm{k}^{\mathrm{h}} \mathrm{i}^{55}, \mathrm{k}^{\mathrm{h}^{53}}{ }^{53}\left(\mathrm{u}^{31}\right)$
bite (by dog), $\mathrm{k}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{a}^{31} \mathrm{ia}^{31}$

bite (melon seeds), cuy ${ }^{53}$
bite (mosquito), to, $\mathrm{k}^{\mathrm{h}} \mathrm{i}^{33}$
bite; bark, ? $\mathrm{Z}_{\mathrm{z}} \mathrm{m}^{55} \mathrm{yu}^{31}$
bite and hold on to, gi ${ }^{55} \tilde{\mathrm{u}}^{31} \mathrm{l}^{31} \mathrm{ma}^{31} \mathrm{qi}^{31}$
bits-and-pieces, $\mathrm{n}^{31}{ }^{1} 1^{55}$
bitter, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{33}$
bitter, very, $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{33}$
black bean, $\mathrm{a}^{31} \mathrm{no}^{55} \mathrm{n}_{\mathrm{n}} \mathrm{n}^{55}$
black bear, $\underline{S T}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
black snake, $\mathrm{dzi} \mathrm{i}^{31} \mathrm{sul}^{31} \mathrm{bur}^{31}$
black, na $^{55} ;{ }^{5} \varepsilon^{55}$ na $^{55} ;$ ni $^{35} \mathrm{xa}^{55} \mathrm{na}^{55}$
black, become, $\mathrm{na}^{55} \mathrm{xa}^{55} \mathrm{nay}{ }^{55} \mathrm{a}^{31} \mathrm{p}^{\text {h }} \mathrm{o}^{55}$
blackboard, $\mathrm{x} \mathrm{\varepsilon}^{31} \mathrm{pen}^{53}$
blacksmith, $\epsilon^{31} \mathrm{k}^{\mathrm{h}} \tilde{\varepsilon}^{55} \mathrm{zl}^{55} \mathrm{su}^{55}$
bladder, $\left(\mathrm{y}^{31}\right) \mathrm{ba}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
blame, to, $\mathrm{xo}^{53} \mathrm{u}^{31}$
blame, to, $\mathrm{t}^{\mathrm{h}} \mathrm{um}^{31} \mathrm{da}^{55} \mathrm{la}^{31}$
bland, plain, $\mathrm{m}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{33}$
bland, plain, $\mathrm{s}^{31}{ }^{31} \mathrm{ln}^{55} \mathrm{~m}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{uq}^{55}$
blanket, dza ${ }^{55} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{33}$
blanket, cover, $\mathrm{Sl}^{31} \mathrm{dum}^{31} \mathrm{dum}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{dim}^{55}$
blighted grain, $\mathrm{tc}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{Pba}^{55}$
blessing, $\mathrm{ca}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{55}$
blind person, $\mathrm{ni}^{55} \mathrm{da}^{25}$
blind, become, $\mathrm{ni}^{55} \mathrm{da}^{55}$
blindly, $\mathrm{m}^{31} \mathrm{za}^{31} \mathrm{u}^{31}$
blink, to, $n^{55} \mathrm{t}_{6}{ }^{\mathrm{h}} \mathrm{im}^{55} \mathrm{uq}^{31}$
blister, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{um}^{55}$
bloated (with urine), ?lin ${ }^{35}$
block (the wind), $\mathrm{di}^{31} \mathrm{ga}^{53} \mathrm{u}^{31}$
block way, san ${ }^{31}$
block up, plug, obstruct, $t^{\text {h }}{ }^{1 \eta u^{31}}$
blockhouse, $\mathrm{a}^{31} \mathrm{dza}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
blood vessel, cul $^{33}$ bur ${ }^{55}$
blood, sum ${ }^{53}>\mathrm{cw}^{33}$
blood vessel, sum ${ }^{31}$ bun $^{55}$
bloom, sprout, $\operatorname{cuun}^{55} \mathrm{ven}^{55} ; \mathrm{ven}^{55}$
blossom; bloom, $\mathrm{n}^{31} \mathrm{ven}^{55} \mathrm{ven}^{55}$
blossom; to flower, ven ${ }^{55}$
blow, to, Rgam $^{35}$
blow (nose), $\operatorname{nim}^{55} u^{31} t^{h} a^{31} ; \operatorname{nim}^{55} \mathrm{~Pa}^{31} t^{h} \mathrm{a}^{31} \mathrm{u}^{31}$
blow (wind), fin ${ }^{55} ; \mathrm{xo}^{31} \mathrm{Po}^{55}$
blow air, $\operatorname{san}^{55} \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{35}$
blow brass instrument, $\mathrm{ma}^{55} \mathrm{duy}^{31} \mathrm{mi}^{55} \mathrm{u}^{31}$
blow the trumpet, $\mathrm{sa}^{55} \mathrm{la}^{55} \mathrm{~min}^{55}$
blow tube (for fire), $\mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{31} \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
blow on, mut ${ }^{55}$ ?
blow (on fire), to, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
blow up (rock), $\mathrm{di}^{31} \mathrm{bo}^{3}$
blue, dark or deep, tcun ${ }^{55} \mathrm{p}^{\mathrm{h}} \mathrm{w}^{31}$ num ${ }^{31}$
blue-bottle fly, $\mathrm{ba}^{33}$ sun $^{55} \mathrm{dun}^{31}$
blurred vision, $\mathrm{ni}^{55} \mathrm{~m}^{31} \mathrm{zau}^{35}$
boar, $\mathrm{Po}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
board game, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$ (Ch.)
board; plank, cun ${ }^{55}$ lay $^{31}$
board; plank, $\tan ^{31} \mathrm{sq}^{55} \mathrm{po}^{44} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{31}, \mathrm{yq}^{44} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{33}$
board; plank,
boast, brag, $\mathrm{ni}^{53} \mathrm{a}^{31} \mathrm{~m}^{55}$
boat body, $\mathrm{a}^{31} \mathrm{sul}^{31} \mathrm{Z}^{31} \mathrm{gum}^{31}$
boat made of animal hide, $\mathrm{ca}^{55} \mathrm{sam}^{31} \mathrm{a}^{31} \mathrm{sux}^{31}$
boat, $\mathrm{a}^{31} \mathrm{sum}^{31}$
boat, small, $\mathrm{a}^{31} \operatorname{sum}^{31} \operatorname{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
boatmen, $\mathrm{a}^{31} \mathrm{sur}^{31} \mathrm{ga}^{55} \mathrm{su}^{55}$
Bodhisattva, Buddha, $\mathrm{a}^{31} \mathrm{sa}^{33} \mathrm{p}^{\mathrm{h}} \mathrm{w}^{31} \mathrm{i} \tilde{a}^{55}$
body dirt, ni ${ }^{55}$
body odor, $l \varepsilon^{31} \mathrm{bu}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31} \mathrm{nu}^{33}$
body odor, $1 \varepsilon^{31} \mathrm{bu}^{31} \mathrm{p}^{\mathrm{h}} \varepsilon^{31} l \varepsilon \mathrm{~m}^{31}$
body, $\mathrm{dz} 1^{31} \mathrm{gum}^{31}, \mathrm{zl}^{31} \mathrm{gux}^{31}$
boil (water), $\mathrm{Pa}^{31} \mathrm{su}^{31} ; \lim ^{33}$
boil water, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} n \mathrm{a}^{55} \mathrm{a}^{31} \mathrm{~Sv}^{31}$
boil, stew, $\mathrm{Pd} \mathrm{mu}^{55} \mathrm{yu}^{31}, \mathrm{k}^{\mathrm{h}} \mathrm{in}^{31}$
boil, to, $\mathrm{Ya}^{35} \mathrm{u}^{31}$
bold, $\mathrm{y}^{31} \mathrm{~d} \varepsilon^{31} \mathrm{k}^{\mathrm{h}} \mathrm{S}^{55} \mathrm{da}^{31}$
bold, audacious, nim ${ }^{31}$ ua $^{55}$ dun $^{31}$
bolt (door), to, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{z}_{1} \mathrm{n}^{31} \mathrm{u}^{33}$
bolt (cloth), clf., $\mathrm{ma}^{31} \mathrm{xun}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{xun}^{55}$
bone see fish bone
bone soup, $6 \mathrm{a}^{53} \mathrm{IUm}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{O}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{l}^{31}$
bone, $-\mathrm{Im}^{31}$ in 'bone soup'
bone, $\mathrm{sa}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{53}, \mathrm{za}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{53}$
book, $\mathrm{S}^{55} \mathrm{Va}^{31}, \mathrm{~S}^{55}$
bookcase, $\mathrm{ST}^{55} \mathrm{va}^{31} \mathrm{a}^{31} \mathrm{zu}^{55} \mathrm{a}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{in}^{53} \mathrm{u}$
bookshop, $\mathrm{s}^{55} \mathrm{va}^{31} \mathrm{ven}^{55} \mathrm{za}^{55}$
boots, $\mathrm{ca}^{55} \mathrm{sam}^{31} \mathrm{~g} \mathrm{q}_{1}^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
bore (breeding), sire, $3 \mathrm{o}^{55} \mathrm{dzal}^{31}$
bore a hole, $\mathrm{ium}^{55}$; ium ${ }^{35}$
bore, to, $\mathrm{cu}^{55} \mathrm{u}^{31} \mathrm{ium}{ }^{55}$
born, be, $\mathrm{ma}^{55} \mathrm{lan}^{31} \mathrm{~s} 1^{31}$
born fifth (female), $\mathrm{a}^{55} \mathrm{ku}^{31}$
born fifth (male), $\mathrm{a}^{55} \mathrm{gul}^{31}$
born first (female), $a^{31}$ nan ${ }^{55}$
born first (male), $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55}$
born fourth (female), $\mathrm{a}^{55} \mathrm{du}^{31}$
born fourth (male), $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{55}$
born second (female), $\mathrm{a}^{31} \mathrm{n}_{\mathrm{i}}{ }^{33}$
born second (male), $\mathrm{a}^{31} \mathrm{dum}^{55}$
born third (female), $a^{55} t t^{h} \mathrm{an}^{33}$
born third (male), $\mathrm{a}^{55} \mathrm{k}^{\text {h }} \mathrm{im}^{33}$
borrow money, $\mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31} \mathrm{u}^{31}$
borrow, lend (e.g. bowl), hã ${ }^{55} u^{31}, \eta \tilde{a}^{55}$
both, $\mathrm{a}^{31} \mathrm{ni}^{31} \mathrm{io}^{55}$
both sides, $\mathrm{a}^{31} \mathrm{n}_{\mathrm{i}}{ }^{33} \mathrm{t}_{6}{ }^{\mathrm{h}} \mathrm{an}^{55}$
both... and..., $\mathrm{gu}^{33} \ldots \mathrm{gu}^{33} \ldots$
bottle of (wine), $\mathrm{p}^{\mathrm{h}} \mathrm{in}^{31}$ (Ch.), dun ${ }^{55}$
bottle, $\mathrm{vi}^{55} \mathrm{ka}^{31}\left(\mathrm{pin}^{31} \mathrm{ts}^{55}\right)$ (Burmese, Ch.)
bottom of water, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ya}^{53} \mathrm{dur}^{55}$
bow (boat), $\mathrm{a}^{31} \mathrm{sux}^{31} \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55}$
bow button, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55} \mathrm{gu}^{33} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \mathrm{dim}^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
bow button string, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55} \mathrm{gu}^{33} \mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \mathrm{dim}^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
bow groove, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} n \mathrm{a}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31}$
bow groove system, $\mathfrak{r}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31}-\mathrm{a}^{31} \mathrm{zu}^{35}-\mathrm{li}^{33}$
bow point, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55} \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{um}^{55}$
bow pole, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55}$
bow shaft, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{un}^{55}$
bow spring, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{al}^{55}, \mathrm{dzan}{ }^{55} \mathrm{li}^{33}$
bow string, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55} \mathrm{va}^{55}$
bow trigger groove, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55} \mathrm{go}^{31} \mathrm{IO}^{55}$
bow, $\mathrm{ba}^{31} \mathrm{da}^{33}$
bow, $\mathrm{a}, \mathrm{ta}^{31} \mathrm{da}^{33}$
bow; crossbow, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55}$
bow, to, $\mathrm{t}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{~s} 1^{55}$
bow; prow, $\mathrm{a}^{31} \mathrm{sur}^{31} \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55}$
bowl, $\mathrm{di}^{31} \mathrm{k}^{1 \mathrm{rl}^{33}}$
bowl, $\mathrm{ia}^{31} \mathrm{ua}^{55}$ (western porcelain)
bowl, buin ${ }^{55} \mathrm{a}^{31} \mathrm{hi}^{35}$ (wooden)
bowl (rice), $\mathrm{a}^{31} \mathrm{gzi.}^{33} \mathrm{hin}^{35}$
bowl (tobacco), dam ${ }^{55}$
bowl, wooden, $\mathrm{a}^{31} \mathrm{hin}^{35} ; \mathrm{a}^{31}$ xiy $^{35}$
box (large); chest; trunk, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{xa}^{55}$
box (bamboo), $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
box, $\mathrm{xo}^{31}$ (Ch.)
box, $1 \mathrm{la}^{31} \mathrm{ka}^{35}$
boy, gua ${ }^{31} t s^{h} a^{55} t^{h} \varepsilon n^{31}$
boy/girl friend, $\mathrm{tcuu}{ }^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{~m}^{31} \mathrm{na}^{35} \mathrm{lo}^{31}$

braces; suspenders, $\mathrm{bu}^{31} \mathrm{lu}^{31}, \mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{53}$
bracken, $\mathrm{la}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
brag, to, $a^{31} t^{h} u v^{55} t^{h} u v^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{55}$
braid, plait (hair), $\mathrm{Pban}^{55} \mathrm{~S} \mathrm{I}^{31}$
braid; plait, $\mathrm{mu}^{31}$ dzu ${ }^{55}$
brain of pig, $?_{0}{ }^{55} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} 20 \eta^{55}$
brain, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{lun}{ }^{55}$
brake $=$ bracken (fern), $1 \mathrm{la}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
bran (wheat), $\mathrm{ca}^{31} \mathrm{Ia}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{55}$
branch road, $\mathrm{ts}^{\mathrm{h}} \mathrm{p}^{31} \mathrm{a}^{31} \mathrm{di}^{31} \mathrm{ba}^{55}$
branch; twig, cuuy ${ }^{55} \mathrm{di}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{f}$ ?
branch; twig, $\mathrm{t}^{\mathrm{h}}{ }^{55}{ }^{5} \mathrm{lu}{ }^{55}$
branch, - $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55}$
brass wind instrument, $\mathrm{bu}^{31} \mathrm{lu}^{55}$ (Lisu)
brassmarks on a steelyard, $\left.\mathrm{Pn}^{31} \mathrm{ni}^{\mathbf{5}}{ }^{55} \mathrm{lu}\right)^{55}$
brazier, $\mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{55} \mathrm{a}^{31} \mathrm{gi}^{55} \mathrm{~d}^{2} \mathrm{~m}^{55}$
break, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
break (bowls), $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{\gamma}^{55} ; \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ga}^{55}$
break an engagement, $\mathrm{di}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{u}^{31} \mathrm{~m}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{am}^{55}$
break in two, $\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{en}^{55}$
break money, $\mathrm{dza} \mathrm{a}^{31} \mathrm{xa}^{31} \mathrm{y}^{31} \mathrm{~S}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{31} \varepsilon^{55}$
break off with fingers, $1 \mathrm{lu}^{55} \mathrm{yu}^{31}$
break out (chicken pox), $\operatorname{lan}^{53} \mathrm{u}^{31}$
break out with smallpox, $\mathrm{ka}^{33} \mathrm{la}^{33} \mathrm{~b} .1^{31}$
break neck, $\mathrm{di}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{ur}^{31}$
break into pieces (grain), $\mathrm{ga}^{55} \mathrm{Ci}^{55}$
break up family, $\mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{55} \mathrm{a}^{31} \mathrm{gi}^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
break up family (by oldest son), $\mathrm{k}^{\mathrm{h}} \mathrm{an}^{55}$
break up, scatter, $\mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \varepsilon \mathrm{y}^{35} \mathrm{ba}^{55}$
break up, end, $\mathrm{t}^{\mathrm{h}} \mathrm{ay}^{31}$
break (thunderbolt), $\mathrm{mo}^{55} \mathrm{da}^{55} \mathrm{li}^{33} \mathrm{go}^{31} \mathrm{lo}^{31} \mathrm{nan}^{55} \varepsilon^{31}$
break off with fingers (corn), $\operatorname{lu}^{55} \mathrm{yu}^{31}$
break out in smallpox, $\mathrm{na}^{33} \mathrm{do}^{33}$ (Lisu)
break out in smallpox, $\mathrm{ka}^{33} \mathrm{la}^{33} \mathrm{~b} .1_{1}^{31}$
break, smash, $\mathrm{n}^{31} \mathrm{~S} 1^{31} \varepsilon^{31} \mathrm{t}^{\mathrm{h}} \mathrm{am}^{53} ; \mathrm{s} 1^{31} \mathrm{xuam}^{53}$
break, to $=$ break up, end, $t^{\text {h }} \mathrm{an}^{31}$
break, to, $\mathrm{p}^{\mathrm{h}} \mathrm{um}^{55} \mathrm{lum}{ }^{55}$
breakfast, $\mathrm{a}^{31} \mathrm{sar}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{uy}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{31}$
breastbone, sternum, $\mathrm{d}_{\mathrm{m}}{ }^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$
breast-feed, suckle, $\mathrm{dz}_{1}{ }^{31}{ }^{51}{ }^{55}$
breast, $\mathrm{a}^{31} t \mathrm{~s}^{\mathrm{h}} \mathrm{u}^{55}$
breast, chest, $\mathrm{ga}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{am}^{55}$
breath, life, $\operatorname{san}^{55} \mathrm{a}^{31} \mathrm{xa}^{55} \mathrm{Sl}^{31}$
breathe in, $\mathrm{san}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{33} \mathrm{mu}^{55}$
breathe out, $\mathrm{san}^{55} \mathrm{a}^{31} \mathrm{xa}^{31}$
brew, make (tea), dzuinu ${ }^{53}$
bribe, to, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{55}$
brick, $\mathrm{t}^{\mathrm{h}} \mathrm{o}^{55}$ (Lisu)
bricklayer, $\left.\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{di}^{31} \mathrm{dzum}\right)^{55} \mathrm{su}^{55}$
bride, ts $^{\mathrm{h}} 1^{31} \mathrm{ma}^{55} 1 \varepsilon^{55}$
bridge, go $^{31} \cdot \tilde{a}^{55}$
bridge, rattan, $\mathrm{di}^{31} \mathrm{ba}^{31}, \mathrm{dux}^{31} \mathrm{ba}^{31}$
bright (room), $\mathrm{xa}^{55} \mathrm{xa}^{33}, \mathrm{p}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{Rga}^{55}$
bring (as a tray), $\mathrm{a}^{31} \mathrm{gic}^{35} \mathrm{ia}^{55}$
bring up (children), $3 \mathrm{a}^{31} \mathrm{cin}^{33}$
bring, to, $\mathrm{ad}^{55} \mathrm{a}^{31} \mathrm{io}^{33}, \mathrm{lu}^{35}$
broom (of bamboo), $\mathrm{k}^{\mathrm{h}} \mathrm{am}^{55} \mathrm{mi}^{55}{ }^{\mathrm{Cim}}{ }^{31}$
broom, $\mathrm{mu}^{55} \mathrm{cim}^{31}$
broom, small, $\mathrm{mu}^{55} \operatorname{cim}^{31} \mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
broth, juice, $\mathrm{ts}^{\mathrm{h}}{ }^{31}$
brother (older), $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dza}^{55} \mathrm{ma}^{31}$
brother (younger), $t^{h} a^{31} \eta\left(\eta^{55}, t^{h} a^{31} \eta a^{55}{ }^{55}\right.$
brother, younger (citation), $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{n}_{\mathrm{n}} \mathrm{an}^{55}$
brother's daughter, $\mathrm{sa}^{55} \mathrm{ma}^{33}$
brother's term for sister, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{n}_{\mathrm{a}} \mathrm{a}^{55}$
brother's son or daughter, $\mathrm{bu}^{31} \mathrm{du}^{33}$
brothers and sisters, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \eta \mathrm{nq}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dza}^{55} \mathrm{ma}^{31}$
brothers, $\mathrm{gu}^{31} \mathrm{ni}_{\mathrm{i}}{ }^{53}$
brothers, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dza}^{55} \mathrm{ma}^{31}$
brothers, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{n}_{\mathrm{n}} \mathrm{n}^{55}$
brothers, $\mathrm{ts}^{\mathrm{h}}{ }^{55} \mathrm{ma}^{55}$
browbeat, $\mathrm{ma}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{am} 3^{35}$
brush (liquid), xã ${ }^{55}$, hã $^{55}$
brush teeth, $\mathrm{a}^{31} \mathrm{sa}^{31} \mathrm{xa} \tilde{a}^{55}$
brush dust, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{u}^{31}$
brush, sua ${ }^{31}$ ts ${ }^{55}$ (Ch.), $\operatorname{cin}^{33}{\mathrm{~d} \varepsilon \mathrm{~m}^{55}}^{55}$
brush, a, $\mathrm{pi}^{31}$
brush, to, $\operatorname{cin}^{55}$
brusque, $\mathrm{m}^{31} \mathrm{cav}^{55} \mathrm{~S} 1^{31}$

bucket, clf., $\left.\mathrm{t}^{\mathrm{h}} \mathrm{u}\right)^{33}$
bucket, $\mathrm{d} \mathrm{Za}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55}$
bucket, hand, $\mathrm{a}^{31} \mathrm{gi}^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55} \mathrm{be}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{55}$
bucket, tub, pail, $\mathrm{be}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{55}$
bucket, water, cum ${ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{un}^{31}$
buckle up; button up, $\mathrm{xua}^{55} \mathrm{~S} 1^{31}$
buckle up; fasten up, $\mathrm{p}^{\mathrm{h}} \mathrm{an}^{31}$
buckwheat flour, $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{uq}^{55} \mathrm{ua}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31}$
buckwheat flowers, $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{uq}^{55} \mathrm{ven}^{55}$
buckwheat husk, $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{ua}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{in}^{55}$
buckwheat powder, $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{ua}^{55} \mathrm{uq}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31}$
buckwheat, bitter, $\mathrm{ua}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
buckwheat, sweet, $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{uq}^{55}$
bud, $c \amalg)^{55} \mathrm{ven}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$
bud; sprout, $\mathrm{a}^{31} \mathrm{man}^{55}$
Buddha; Bodhisattva, $\mathrm{a}^{31} \mathrm{sa}^{33} \mathrm{p}^{\mathrm{h}} \mathrm{ur}^{31} \mathrm{ia}^{55}$
Buddhist priest or nun, $t^{\text {h }} \mathrm{im}^{31} \mathrm{dun}^{55} \mathrm{~m}^{31} \mathrm{no}^{33} \mathrm{su}^{55}$
bugle, ba ${ }^{31} l^{55}$
build (house), $\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{ue}^{35} / \mathrm{ve}^{35}$
build (house), dz̧í ${ }^{33}$; $\mathrm{t}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{~d}_{\mathbf{c}} \mathrm{im}^{53}$
build (hut), $\mathrm{a}^{31} \mathrm{~d} \mathrm{zi}^{31}{ }^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{ue}^{35}$
build (road), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31} \mathrm{zo}^{31} \mathrm{mun}^{31}$
build (rack), $\mathrm{di}^{31} \mathrm{dzul}^{53}{ }^{5} \mathrm{yo}^{53}$
build wall, dze ${ }^{35}$ zom? ${ }^{35}$
bulb of fritillary, an ingredient used in Chinese medicine, $\mathrm{p} \varepsilon^{31} \mathrm{mu}^{33}$
bull, no ${ }^{31} \mathrm{ua}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
bully, treat someone roughly, $\mathrm{ca}^{55} \mathrm{yo}^{31}$
bullet, $\mathrm{dzu}^{31} \mathrm{imi}^{55}$
bullet, $\mathrm{po}^{55} \mathrm{lo}^{55}$ (Lisu)
bully (a child), to, $¢ \mathrm{c}^{55} \mathrm{u} \varepsilon^{35}, \mathrm{ma}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{am}^{35}$
bumpy, rough, $\mathrm{man}^{31} \mathrm{man}^{31} \mathrm{nim}^{31} \mathrm{nim}^{31}$
bun, steam and stuffed, $\mathrm{pau}^{55} \mathrm{ts} 1^{33}(\mathrm{Ch}$.)
bun, steamed, ca $^{31} \mathrm{Id}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55}$
bundle, san ${ }^{33}$-d $\varepsilon m^{55}$
bundle (hay),
bundle of branches for kindling a fire, $\left.\mathfrak{\eta}^{31} S 1^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{lum}\right)^{55}$
bundle, tie (firewood), $\mathrm{ba}^{31} \mathrm{nu}^{31}$
bundle, to, $\mathrm{a}^{31} \mathrm{nu}^{31}$
buns, steamed buckwheat, $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{uq}^{55} \mathrm{lay}^{55}$
burlap pocket, $\mathrm{mi}^{55} \mathrm{xun}^{55} \mathrm{k}^{\mathrm{h}} . \mathrm{I}^{55}$
burlap; sackcloth, dzi ${ }^{31} \mathrm{~d} \mathrm{za}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{33}$
burlap; sackcloth, $\mathrm{y}^{31} \mathrm{ma}^{31}\left(\right.$ xur $\left.^{55}\right)$
Burma, $\mathrm{lo}^{31} \mathrm{mi}^{31} \mathrm{mus}^{31}, \mathrm{mi}^{31} \mathrm{dzi}^{55} \mathrm{na}^{31}$
burn (firewood), $\mathrm{fa}^{53} \mathrm{u}^{31}$
burn (something), to, $\mathrm{di}^{31}$ gunnu ${ }^{31} ; \mathrm{di}^{31}$ gur $^{31} \mathrm{u}^{31}$
burn incense, $60^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{55}$
burn incense, $60^{55} \mathrm{va}^{53} \mathrm{u}^{31}$
burn wasteland, $\mathrm{a}^{31} \mathrm{mu}^{31} \operatorname{cin}^{55}$
burn, to, $\mathrm{a}^{31} \mathrm{ba}^{31} \mathrm{a}^{31} \mathrm{ni}^{55}$
burn, to, $\mathrm{k}^{\mathrm{h}} \tilde{\varepsilon}^{35}$
burn; light (fire), $f \varepsilon^{53} u^{31} ; f^{31} \mathrm{u}^{31} ; v \varepsilon^{31}$
burnt (e.g., rice), s $q^{55} \mathrm{bu}^{31} \mathrm{dz} \mathrm{i}^{31} \varepsilon^{31}$
burnt alive, $\mathrm{t}_{6}{ }^{\mathrm{h}} \mathrm{a}^{31} \mathrm{mi}^{31} \mathrm{~d} \mathrm{zin}^{55} \mathrm{li}^{31} \mathrm{~S} \mathrm{~T}^{31}\left\{\mathrm{~d} \mathrm{q}^{35} \varepsilon^{35}\right.$
burnt rice that adheres to the side of the pot, $\mathrm{dz} \mathrm{a}^{55} \mathrm{xin}^{55}$
burnt, scorched, bu ${ }^{55}$ ?dze ${ }^{35}$
burst out of skin (insect), xom ${ }^{55}$
bury, cover up (animal), tct ${ }^{\text {h }} \mathrm{o}^{55} \mathrm{lim}^{31}$
bury, cover up (fire), $\mathrm{fim}^{31}$, $\lim ^{31}$
bury, $\lim ^{31}, \lim ^{53}$, lim $^{31}$
buscuit; cookie, $\operatorname{pin}^{55} \mathrm{ga}^{55}$ (Ch.)
bush, shrub, $\mathrm{if}^{55} \mathrm{sa}^{31} \mathrm{xay}^{35}$
busy, du ${ }^{31}$ dzan $^{31} u^{31}$
but = although, $\mathrm{ie}^{33} \mathrm{zil}^{33} \mathrm{gux}^{33} \ldots$
butcher, $\mathrm{Po}^{55} \operatorname{san}^{55}\left(\mathrm{su}^{55}\right)$
butler, tchim ${ }^{31} \mathrm{k}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ (Lisu)
butter, no ${ }^{31} \mathrm{ua}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31}$
butter; cow fat, $\tilde{n o}^{31} \mathrm{uã}^{31} \mathrm{su}^{53}$
butterfly, $\mathrm{la}^{31} \mathrm{buw}^{35}$ (Lisu)
butterfly, da ${ }^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{tcc}^{55} \mathrm{guy}^{55}$
buttocks, $\mathrm{ni}^{31}{ }^{1} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{da}^{31} \mathrm{bunn}^{31}$
buttocks, $\mathrm{ts}^{\mathrm{h}} \mathrm{m}^{31}$
button (on machine), $\mathrm{ga}^{31} \mathrm{mu}^{31} \mathrm{tçim}^{55} \mathrm{~d}_{\mathrm{dm}}{ }^{55}$
button, $\mathrm{ga}^{55} \mathrm{ta}^{55}$
button, $\mathrm{ga}^{31} \mathrm{mu}^{31} \mathrm{tçim}^{55} \mathrm{~d}_{\mathrm{dm}}{ }^{55} ; \mathrm{ga}^{31} \mathrm{mu}^{31} \mathrm{tcim}^{55}$
buy or sell on credit, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{33} \mathrm{o}^{55}$
buy, ven ${ }^{35}$, ven ${ }^{33}\left(\mathrm{nu}^{55}\right)$
buy (cooking) oil, $\mathrm{sa}^{55} \mathrm{Su}^{55} \mathrm{ven}^{35}$
buy Chinese drugs, $6 \amalg)^{55} \mathrm{Zu}^{31} \mathrm{n}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31} \mathrm{ven}^{55} \mathrm{Za}^{55}$
buy cloth, $\mathrm{ma}^{33} \mathrm{xum}^{55} \mathrm{ven}^{55}$
buy liquor, $n w^{31}{ }^{3}$ n $^{55}$
buy meat, $6 a^{55} \mathrm{ven}^{55}$
buy rice, $\mathrm{dzal}^{31} \mathrm{z}_{\mathrm{a}} 5^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{n} \varepsilon \mathrm{n}^{33}$
buy vegetables or groceries, $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \mathrm{ven}^{35}$
by land, $\mathrm{a}^{31} \mathrm{sa}^{31} \mathrm{~d}_{\mathrm{m}}{ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31}$
by water; waterway, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ra}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{53} \mathrm{dz}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31}$
cabbage, Chinese, $\operatorname{la}^{31}$ ts $^{\mathrm{h}} \mathrm{u}^{33}$ ba $^{55}$
cabbage, o $^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55}$ (Lisu)
cable yoke on metal bridge, $\mathrm{a}^{31} \mathrm{v} \cdot 1_{1}^{55}$
cackle (hens), to, $\mathrm{ga}^{31} \mathrm{da}^{25}>\mathrm{gu}^{31} \mathrm{da}^{55}$
cage, $\mathrm{la}^{31} \mathrm{ka}^{55}$
call for a car, $\mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{a}^{31}$ gun ${ }^{55}$
call 'help!' say ${ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{un}^{53} \mathrm{a}^{31} \mathrm{ie}^{53}$
call together, $\mathrm{a}^{31} \mathrm{dan}^{55} \mathrm{gump}^{53}$
call, to, na ${ }^{55} \varepsilon^{31}$
called; be called, gun ${ }^{53}$
called; named, $l \varepsilon n^{53} ; \ln ^{53}{ }^{5} 1^{31}$
calyx of a flower, $\mathrm{r}^{31} \mathrm{ven}{ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{53} \varepsilon^{31}$
cakes of tea, $\mathrm{la}^{31} \mathrm{tca}^{55} \mathrm{la} \mathrm{\eta}^{55}$
calamus sweet flag reed, $\mathrm{mi}^{55} \mathrm{t} \mathrm{ci}^{31}$
calamity, disaster, $\mathrm{dum}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55}$
calculate, count, $\mathrm{so}^{55}$
calf of leg, $\mathrm{ba}^{31} \mathrm{bumm}^{55}$
calf of leg, lower leg, $?^{31} \mathrm{xa}^{35} \mathrm{t}^{\mathrm{h}} u \mathrm{~V}^{31}$
calf; small ox, no ${ }^{31} \mathrm{uã}^{31} \mathrm{tch}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
camel, $\mathrm{lo}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{o}^{31}$ (Ch.)
camera, dzi ${ }^{31} \mathrm{a}^{31} \mathrm{~d}_{2} \mathrm{a}^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
can, able, $\mathrm{so}^{55} \mathrm{o}^{31}$
can hold, $\mathrm{sa}^{33} \mathrm{dzi}^{33} \varepsilon^{31}$
can, may, $\mathrm{a}^{31} \mathrm{du}^{31} \varepsilon^{33}$
can (ability, permission), dzu ${ }^{31}$, mun ${ }^{55}$ (1SG)
candid, forthright, $t \epsilon^{\mathrm{h}} u \eta^{35} t \mathrm{c}^{\mathrm{h}} \mathrm{uy}^{31} \mathrm{lu}^{35} \mathrm{lu}^{35}$
candle, $\mathrm{la}^{31} \mathrm{tsu}^{55}$ (Ch.)
cane bamboo, $\mathrm{hi}^{31} \mathrm{z}_{1}{ }^{31}$
cangue, $\mathrm{a}^{31} \mathrm{vu}^{55} \mathrm{ba}^{31} \mathrm{so}^{55} \mathrm{ni}^{33} \mathrm{Yo}^{35}$
cangue; pillory; yoke, $n \varepsilon^{31} \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{31}$
canine teeth, $\mathrm{d}^{31} / \mathrm{da}^{31} \mathrm{~g} \mathrm{~g}^{55} \mathrm{a}^{31} \mathrm{sa}^{31}$
cannon, $\operatorname{ta}^{35} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{35} ; \mathrm{ta}^{35} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{u}$
cannot, $\mathrm{m}^{31}=$ not
cannot bear to part, $\mathrm{m}^{31} \mathrm{zan}^{35} \underline{u}^{31}$
cap, army, iuw ${ }^{31} \mathrm{da}^{31} \mathrm{mo}^{55}$
capable, da ${ }^{55}$
capable, $\mathrm{di}^{31} \mathrm{zun}{ }^{55} \varepsilon^{31}$
capable of; know how to, $\mathrm{so}^{53}=\mathrm{so}^{55}$
capital, $\mathrm{i}^{55} \mathrm{ko}^{31}$ (Lisu)
capon, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dim}^{55}$
capture a prisoner, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{n}_{0} \mathrm{i}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{am}^{55} \mathrm{~d} \not \mathrm{u}^{35}$
car, $\mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{t}_{6} \mathrm{~h}^{\mathrm{i}} \mathrm{m}^{31}$
car, $\mathrm{mo}^{55} \mathrm{do}^{55}\left(\right.$ ci $\left.^{55}\right), \mathrm{II}^{31} \mathrm{Ti}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
carbon, $x \varepsilon \eta^{31}\left(x .1 u^{31}\right)$
carcass (animal), ${\varphi a^{55}}^{50} \mathrm{man}^{31}$
cards, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{k}^{\mathrm{h}} \varepsilon^{31}$
care for (child), $\mathrm{la}^{55} \mathrm{u}^{31}$
care for (child), $\operatorname{cin}^{35}$
careful, ( $\mathrm{a}^{31}$ ) $\mathrm{dza}^{55}{ }^{51} 1^{31}$
careful, cautious, $\mathrm{a}^{31} \mathrm{~d}_{\mathrm{P}} \mathrm{a}^{55} \mathrm{~S}^{31}$
careless, $\varphi \varepsilon^{35} \mathrm{n} \varepsilon \mathrm{m}^{55}$
careless, casual, $\left.\mathrm{a}^{31} t \mathrm{c}^{\mathrm{h}} \mathrm{ul}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{un}^{55} \mathrm{ua}^{33} ;\left(\mathrm{a}^{31}\right) \mathrm{tc}^{\mathrm{h}} \mathrm{un}\right)^{55}$
carp, nua $^{55} \mathrm{duy}^{55}$
carpenter, cuı ${ }^{55} \mathrm{io}^{31} \mathrm{mun}^{55} \mathrm{su}^{55}$
carpenter's ink marker, mu ${ }^{55} \mathrm{na}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{31}$ (Lisu)
carrot, $\mathrm{Pa}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{di}^{33} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{bu}^{31} \mathrm{si}^{35}$
carry, lay ${ }^{55}$
carry (child) on back, $\mathrm{a}^{31} \mathrm{ba}^{55} \mathrm{u}^{55}$
carry, lift up, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{u}^{31}$
carry; lift (with pole), $\mathrm{Pa}^{31}$ ginu $^{31} ; \mathrm{a}^{31} \mathrm{gi}^{55}$
carry (small child), $\operatorname{la}^{55} \mathrm{u}^{31}, \operatorname{cin}^{35} /^{31}$
carry (two people), $\mathrm{a}^{31} \mathrm{gi}^{31}$
carry in shirt tail, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{u}^{55}$
carry on back (child), $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{33} \operatorname{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
carry on back (clf), $\mathrm{o}^{31}$
carry on back, sa ${ }^{53}$
carry on back, bu ${ }^{31} \mathrm{lu}^{31} \mathrm{a}^{31} \mathrm{ba}^{55} \mathrm{xua}^{31} \mathrm{u}$
carry on back (firewood), $\mathrm{zl}^{55}\left(\mathrm{u}^{31}\right), \mathrm{s}^{55}\left(\mathrm{u}^{31}\right)$
carry on back (grain), $\mathrm{z}^{55} \mathrm{u}^{31} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{n}^{53}$ (child)
carry on head, $\mathrm{dum}^{31} \mathrm{ba}^{53} \mathrm{gu}^{31}$
carry on head, $\tilde{a}^{55}{ }^{51} 1^{31}$
carry on pack animal, xami $1^{35}, \mathrm{di}^{31} \mathrm{bo}^{53} \mathrm{yu}^{31}$
carry on shoulders, $z / \mathrm{Ia}^{55} \mathrm{~g}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a} \mathrm{\eta}^{53} \mathrm{a}^{31} \mathrm{gi}^{31} \mathrm{u}^{31}$
carry piggyback, $\mathrm{za}^{55} \mathrm{gl}^{53} \mathrm{t}^{\mathrm{h}} \mathrm{ar}^{53} \mathrm{di}^{31} \mathrm{dzuu}^{31} \mathrm{se}^{55}$
carrying pole, ts ${ }^{\mathrm{h}} 1^{31}$
carrying pole, $\mathrm{a}^{31} \mathrm{gi}^{55} \mathrm{~d}_{\mathrm{dm}}{ }^{55}$
cartilage, grist, $\mathrm{d}^{3}{ }^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{pu}^{55}$
carve a seal, dzu ${ }^{31} \mathrm{a}^{31} \mathrm{dza}^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{um}^{53}$
carve, engrave, tiau ${ }^{55} \mathrm{k}^{\mathrm{h}} \varepsilon^{31}$ (Ch.)
carve, whittle, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{35} \mathrm{u}^{31}, \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{55}$
carve; engrave, Rgam $^{55}$, $\mathrm{Tgam}^{55}$
cash; ready money, $1 \varepsilon^{31} \mathrm{gu}^{31} 1 \varepsilon^{31}$ dzum ${ }^{35}$ (Lisu)
cast, sprinkle, ba? ${ }^{31} \tilde{u}^{55}$
castrate, $\left.n^{31} t c^{\mathrm{h}} u\right)^{55} \mathrm{t}^{\mathrm{h}} \mathrm{un}{ }^{35}$
castrate (chicken, sheep), $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{nu}^{55}, \mathrm{Py}^{55} \mathrm{na}^{55} \mathrm{Xa}^{31}$ (Lisu)
castrate (bull), $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{lo}^{35} \mathrm{o}^{55}$
casually; carelessly, $\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{min}^{55}$
cat, female, $\mathrm{mu}^{31} \mathrm{ni}^{31} \mathrm{ma}^{55}$
cat, male, $\mathrm{mu}^{31} \mathrm{ni}^{31} \mathrm{gu}^{55}$
cat, $\mathrm{mu}^{31} \mathrm{ni}^{31}$
cat, small (kitten), $m u^{31} \mathrm{ni}^{31}{ }^{1} \mathrm{t}^{\mathrm{h}} \mathrm{En}^{31}$
catch (chicken), nio ${ }^{33}\left(\mathrm{u}^{55}\right), \mathrm{ni}^{55}$
catch chill, $\mathrm{mm}^{31} \mathrm{dzan}^{55} \mathrm{a}^{31} \mathrm{ba}^{31}$
catch cold, $\mathrm{tc}^{\mathrm{h}} \mathrm{in}^{31} \varepsilon^{31} \mathrm{dza}^{55}$
catch on fire, $\mathrm{dzu}^{31} \mathrm{u}^{31} ; \mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{55} \mathrm{dzu}^{31}$
catch on fire, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{mi}^{55} \mathrm{a}^{31} \mathrm{gua}^{53} \mathrm{ni}^{33}$
catch up, $\mathrm{ko}^{55} \mathrm{dz}_{\mathrm{i}}{ }^{55}\left(\mathrm{a}^{31} \mathrm{na}^{55}\right)$
catch up with (cow), $\mathrm{k}^{\mathrm{h}} \tilde{\varepsilon}^{31} \mathrm{ba}^{55}, \mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{Pdza}^{55} \mathrm{a}^{31} \mathrm{ba}^{33}$ (overtake)
catch up with, $\mathrm{za}^{31} \mathrm{u}^{31}, \mathrm{sa}^{31} \mathrm{u}^{31}$
catch, capture, $n_{i=1}{ }^{31} \mathrm{u}^{55}$
catch, seize, $\mathrm{ni}^{55} \varepsilon^{55} \mathrm{t}^{\mathrm{h}} \mathrm{am}^{55} \mathrm{u}^{31}$
catch, to, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{o}^{55}$
catch; chase; drive, $\mathrm{ni}^{33} \mathrm{u}^{55} ; \mathrm{ka}^{55} \mathrm{n}_{\mathrm{i}}{ }^{31} \mathrm{u}^{31}$
caterpillar, bu ${ }^{31}$ lun ${ }^{33}$ sa $^{55}$
cattle herder, nõ ${ }^{31} u \tilde{a}^{31} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{53} \mathrm{su}^{55}$
catty, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{gam}^{55}$
cause to sweat, in ${ }^{55} \mathrm{in}^{55}$
causative (CAUS), $\mathrm{mi}^{53} ; \mathrm{s}^{31}{ }^{31}, \mathrm{ci}^{31}-; \mathrm{dum}^{31}-; \mathrm{p}^{\mathrm{h}} \mathrm{wl}^{31}-, \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31}-$
cave in, sink, $\left\{\mathrm{a}^{31} \mathrm{dza} \mathrm{a}^{33}\right.$
cave, cavern, $\mathrm{z} 1^{31} \mathrm{upq}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u} \tilde{a}^{31}$
ceiling, $\mathrm{la}^{31} \mathrm{buw}^{55} \mathrm{lan}^{31}$

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celebrate New Year, \(\mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{~S}_{1}{ }^{31}\) (Lisu)
celebrate, \(\$ 9^{55} \mathrm{gur}^{31}\) (Lisu)
celery, \(\mathrm{mu}^{55} \mathrm{ti}^{35} \mathrm{li}^{33}\)
cement, sue \({ }^{55} \mathrm{ni}^{31}\)
cent, \(\mathrm{i}^{55} \mathrm{fum}{ }^{55}\)
center, middle, \(\mathrm{di}^{31} \mathrm{du}^{31}, \mathrm{dum}^{31}\)
center of a flower, cun \(\left.{ }^{55} \mathrm{ven}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{n} w\right)^{55}\)
centipede, \(\mathrm{k}^{\mathrm{h}} \mathrm{w}^{31} \mathrm{xu}^{55} \mathrm{la}^{31} \mathrm{ma}^{55}\)
certainly, \(\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{di}^{55} \mathrm{gux}^{31}, \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{di}^{55} \mathrm{gu}^{31}\)
certificate, \(\mathrm{pi}^{31}{ }^{n} \mathrm{~m}^{31} \mathrm{~S}_{1}{ }^{55} \mathrm{va}^{31}\)
chaff, thin, \(\mathrm{xa}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{p}^{31}\)
chair, \(\mathrm{i}^{35} \mathrm{ts}^{31}{ }^{31}\)
chair, \(\mathrm{go}^{55} \mathrm{no}^{33} \mathrm{~d}_{\mathrm{m}}{ }^{55}\)
chair cushion, \(\epsilon^{31}{ }^{31} \varepsilon^{55} \mathrm{~d}^{5} \mathrm{~m}^{55}\)
chalk, fum \({ }^{55} \mathrm{pi}^{33}\)
change back into, come back, \(\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{ay}^{55}\)
changeable; fickle; capricious, \(\eta^{31} \mathrm{~d}_{\mathrm{q}} \mathrm{a}^{31} \mathrm{~m}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{55}\)
change clothes, \(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{55} \mathrm{u}^{31}\)
change clothes, \(\mathrm{gu}^{31} \mathrm{mu}^{31} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}\)
change, to, \(a^{31} t^{\mathrm{h}} \mathrm{iy}^{31}\), \(\mathrm{t}^{1 \mathrm{r}_{1}^{33}}\)
change, to, \(\mathrm{tc}^{\mathrm{h}} \mathrm{u}{ }^{55}\)
change, to, \(\mathrm{Ra}^{31} \mathrm{ven}^{33}\)
change, transform, \(a^{31} p^{h} o^{55}\)
change, transform, \(\mathrm{a}^{31} \mathrm{t}^{1 \mathrm{c}_{1}^{55}} \mathrm{u}^{31}\)
change; transform, \(\mathrm{p}^{\mathrm{h}} \mathrm{op}^{35}\)
changeable; fickle; capricious, \(\mathrm{r}^{31} \mathrm{~d}_{\mathrm{c}} \mathrm{ar}^{31} \mathrm{~m}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{uq}^{55}\)
channel or direct, \(\mathrm{cin}^{31}\)
characters and script, \(\mathrm{S}^{55} \mathrm{va}^{31}\)
characters, Chinese, \(\mathrm{h} \tilde{\varepsilon}^{31}{ }_{\$ 1}{ }^{55} \mathrm{Va}^{31}\)
charcoal, x.umn \({ }^{31}\)
charcoal, \(\mathrm{ni}^{31} \mathrm{gu}^{55}\)
charcoal, nio \({ }^{31} \mathrm{xi}^{55}\)
charcoal kiln, \(\mathrm{xum}^{31} \mathrm{sum}^{31} \mathrm{mu}^{55} \mathrm{za}^{55}\)
chase after, \(\mathrm{s}^{31} \mathrm{u}^{31}\)
chase after, hunt, \(\mathrm{y}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{i}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}\)
chase away, \(\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i} \tilde{\varepsilon}^{31}\)
chase away, sa \({ }^{31} \mathrm{dzo} 0^{53}\)
chase, drive away, \(\mathrm{z} / \mathrm{za}^{31} \mathrm{u}^{31}\)
chat, to, \(\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{35}\)
chat; gossip, \(\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h} \mathrm{i}^{53}}\)
chattering, annoying, \(\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{bum}^{31} \mathrm{z} / \mathrm{Iav}^{31}\)
cheap, \(\mathrm{m}^{31} \mathrm{k}^{\mathrm{h}} \underline{a}^{55}\)
cheap, \(\mathrm{ua}^{55} \mathrm{san}^{55} \mathrm{~S} 1^{31}\)
cheap \(=\) easy, \(\operatorname{san}^{55} ; \operatorname{say}^{55} \varepsilon^{31}\)
cheat, deceive, \(\mathrm{ni}^{53} \mathrm{~m}^{55}\)
check pulse, \(\mathrm{ni}^{31}{ }^{31} \mathrm{qumm}^{31} \mathrm{bumi}^{55} \mathrm{~d} \mathrm{q}^{55} \tilde{\mathrm{u}}^{31}\)
cheek, \(\mathrm{ba}^{31} \mathrm{t}_{\mathrm{ta}}{ }^{35}\)
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cheek, $\mathrm{ga}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{am}^{55}$-f
cherish; take care of, $\mathrm{ca}^{31} \mathrm{da}^{55} \mathrm{nu}^{31}$
cherry, $\mathrm{Sl}^{31} \mathrm{ian}^{31} \mathrm{~S} 1^{55}$
chess or board game, $\mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31}$
chest, box (wooden), $\mathrm{ka}^{33}$ tsum ${ }^{33}$ (Lisu)
chest, $\mathrm{ga}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{am}^{55}$
chest, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{33} \mathrm{~d} 7 \mathrm{im}^{55}$
chest; box, $\mathrm{la}^{31} \mathrm{ka}^{55}$ (Lisu)
chest; box; trunk, $\mathrm{ka}^{31} \mathrm{tsu}^{55}$
chestnut, tsu ${ }^{55} \mathrm{mu}^{55}$
chew, to, $\mathrm{na}^{53} \mathrm{u}^{31}$
chew cud, $\mathrm{Pn}^{25} \varepsilon^{55}$
chew with mouth, $6 \operatorname{ua}^{55} \mathrm{~d} \not \varepsilon^{31} \varepsilon \mathrm{~m}^{55}$
chewy (not crispy), rubbery, $\mathrm{m}^{31} \mathrm{xom}^{55}$
chicken, $\mathrm{k}^{\mathrm{h}} \mathrm{ap}^{55}$
chicken (female), $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ma}^{31}$
chicken baby; chick, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
chicken coop, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{am}^{31} \mathrm{~d} \varepsilon \mathrm{~m}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$
chicken dung, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ni}^{31}$
chicken pox, $\mathrm{io}^{55} \mathrm{dz1}{ }^{31}$
chicken, baby (chick), $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
chicken dung, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{mi}^{31}$
chicken, female (hen), $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ma}^{33}$
chief or first wife, $\mathrm{mu}^{31} \mathrm{dzu}^{31} \mathrm{mu}^{31}$
child, illegitimate, $\mathrm{h} \varepsilon^{55} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
child, youngest, $\mathrm{li}^{33}$
childbirth, $\mathrm{ma}^{55} \mathrm{zay}^{31}$
child, son, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ma}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{E}^{31}$
child, son; younger brother, $\mathrm{tc}^{\mathrm{h}} \mathrm{E}^{31}$
chili, pepper, $\mathrm{la}^{35} \mathrm{dzi}^{31}$ (Ch.)
chimney, $\mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{31}$ रom $^{55} \mathrm{duy}^{55}$
chin, $\mathrm{mu}^{31} \mathrm{gi}^{31}$
Chinese cabbage, pickled, $\mathrm{k}^{\mathrm{h}} \mathrm{n}^{33} \mathrm{mu}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{um}^{55}$
Chinese cabbage, $\mathrm{la}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{33} \mathrm{ba}^{55}$
Chinese characters, $\mathrm{h} \tilde{\varepsilon}^{31}{ }_{s} 1^{55} \mathrm{va}^{31}$
Chinese clothes, $\mathrm{h} \tilde{\varepsilon}^{31} \mathrm{ga}^{31} \mathrm{mu}^{31}$
Chinese doctor, $6 \mathrm{~min}{ }^{55} \mathrm{k}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{n}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{zu}^{31} \mathrm{munn}^{55} \mathrm{su}^{55}$
Chinese land, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{~S}^{3}{ }^{35}$
Chinese lute (5-7 strings), hui ${ }^{55} \mathrm{bui}^{55} \mathrm{~min}^{55}$
Chinese mile ( $1 / 2$ kilometer), $\mathrm{i}^{31} \mathrm{li}^{53}$
Chinese mugwort, $\mathrm{s}^{31} \mathrm{mo}^{33}$
Chinese style, $\mathrm{n} \varepsilon^{55} \mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{ven}^{55} \mathrm{za}^{55}$
Chinese yam, $n \varepsilon m^{31} t^{h} a \eta^{55}$
Chinese, h $\tilde{\varepsilon}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
chip (rim), gi ${ }^{55}$
chirp-chirp, $\mathrm{Po}^{33} \mathrm{no}^{33} \mathrm{Po}^{33} \mathrm{no}^{33}$
chisel, $\mathrm{a}^{31} \mathrm{dzo}^{55}, \mathrm{ium}^{35}$
chisel, bore, $\mathrm{zu}^{55} \mathrm{u}^{31} ; \mathrm{zu}^{53}$
choke (neck); pinch, crush (tick), $\mathrm{di}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{31}$
choke on, $\mathrm{go}^{55} \mathrm{nan}^{31} \mathrm{u}^{31}$
cholera, $\mathrm{tc} \mathrm{i}^{55} \mathrm{xo}^{31} \mathrm{a}^{31} \mathrm{dza}^{35}$
choose (cadre), $\mathrm{a}^{31} \mathrm{~s} \varepsilon^{31} \mathrm{pu}^{31}$
choose, select, $\mathrm{a}^{31} \mathrm{~s}^{33}$
chop firewood, cul $^{55} \mathrm{ug}^{33}$
chop (head), $\mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u} y^{55} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{35}$
chop (meat), $\mathrm{ba}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{en} 2^{55}$
chop, mince, $\mathrm{ua}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31} \tilde{\mathrm{a}}^{31} \mathrm{zan}^{55} \mathrm{u}^{31}$
choose (noodles), $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{u}^{31}$
chop (tree), $\mathrm{a}^{31} \mathrm{dzan}^{53} ; \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{dzan}^{55}$
chop down, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{zom}^{35}$
chop, to, $\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}{ }^{31}, \mathrm{a}^{31} \mathrm{dza}^{55}, \mathrm{t}^{\mathrm{h}} \mathrm{mn}^{31}$
chop, $\mathrm{ga}^{35} \mathrm{o}^{33}$
chopper (knife), $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{31} \mathrm{a}^{31} \mathrm{zan}^{55} \mathrm{~d}^{2} \mathrm{~m}^{55} \operatorname{crm}^{31}$
chopsticks, $a^{31}$ suy ${ }^{33}$
chopstick holder, $\mathrm{a}^{31}$ Şun $^{33}$ duy ${ }^{55}$
chopsticks, bamboo, $\mathrm{a}^{31}$ sur ${ }^{33}$ dun ${ }^{55}$
cherish, $\mathrm{ca}^{31} \mathrm{da}^{55} \mathrm{nu}^{31}$
chrysalis, silkworm, $\mathrm{Po}^{31}$ cun $^{55}$
cicada, $\mathrm{ko}^{55}$ dzan ${ }^{55}$
cicada, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{gi}^{55}$
cigarette, $\mathrm{a}^{31} \mathrm{i} \tilde{a}^{31}$
cinnabar, $\mathrm{o}^{55} \mathrm{len}^{55}$
circular, round, $\mathrm{t}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{ar}^{31}$
circular, $\mathrm{p}^{\mathrm{h}} \mathrm{un}^{55}$
city, town, $\left.\mathrm{ts}^{\mathrm{h}} \mathrm{un}\right)^{31} \mathrm{~S} 1^{35}$
clamp, $\mathrm{tc}^{\mathrm{h}} \mathrm{ar}^{55}$
clamp, to, $\mathrm{di}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{mm}^{53}$
clap hands, $\mathrm{a}^{31} \mathrm{vu}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{am}^{55}$
clarify, clear up, $c a \eta^{55} \mathrm{bi}^{55}$
classroom, $\mathrm{Sl}^{55} \mathrm{va}^{31} \mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{n}^{33} \mathrm{k}^{\mathrm{h}} \mathrm{ua} \mathrm{\eta}{ }^{55}$
claw, clutch, $\mathrm{m}^{31}$ guan $^{35} \mathrm{u}$
claw, talon, $\mathrm{r}^{31} \mathrm{n}_{\mathrm{in}}{ }^{55}$
claw, to, $\operatorname{la}^{55} \mathrm{y}^{31} \mathrm{u}^{31}$
clean up, tidy up, du ${ }^{31} \mathrm{gam}^{55} \mathrm{u}^{31}$
clean, be, $\mathrm{t}^{\mathrm{h}} \varepsilon^{55} \mathrm{tc}^{\mathrm{h}} \varepsilon^{55}$
clean, $\mathrm{S}^{31} \mathrm{saq}^{55}$
clear (sky), $\mathrm{m}^{55} \mathrm{lan}{ }^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$
clear (water), xui ${ }^{55}$ xui $^{31}$
clear soup; consommé, $\mathrm{y}^{31} \mathrm{ts}^{\mathrm{h}} 1^{31}$
clear, distinct, $\mathrm{da}^{31} \mathrm{zan}^{33} \varepsilon^{31}$
clear, sunny, bun ${ }^{55}$
clench one's fist, $\mathrm{m}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{om}^{53}$
clever, smart, $s 1^{31} d a^{55} u^{33}, s 1^{31} p^{h} u^{31} u^{31}$
clf., 50 grams ( $=$ one round object), $\left.\left(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}\right) l \mathrm{lu}\right)^{55}$
clf., a lifetime; a whole lifetime, $\left.\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{un}\right)^{55}$
clf., a portion, share, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ba}^{33}$, $\left(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}\right) \mathrm{fu}^{55}$ (Ch.)
clf., animals and insects, duw ${ }^{31}$
clf., animals, beasts, $\mathrm{ca}^{55}$
clf., backloads (vegetables), $\mathrm{ca}^{31}$
clf., backloads, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{33}$
clf., ball (of flour), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55}$
clf., bamboo (sections), $\mathrm{t}^{\mathrm{h}} \mathrm{un}^{55}$
clf., birds (two), cattle, pigs, fish, duw ${ }^{31}>\mathrm{di}^{31}$
clf., barks, bites, $\mathrm{ma}^{55}$ duy ${ }^{31}$
clf., basketfuls, $\left(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}\right) \mathrm{k}^{\mathrm{h}} \mathrm{uan}^{55}$
clf., baskets (vegetable), ( $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$ ) $\mathrm{k}^{\mathrm{h}} \mathrm{uan}^{55}$ (Ch.)
clf., baskets, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{33} \mathrm{xa}^{55}$
clf., books, $\mathrm{t}^{\mathrm{h}} \mathrm{am}^{55}$
clf., bouquets, $\mathrm{m}^{31} \mathrm{cin}^{55}$
clf., bowls (of rice), $\left(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}\right) \mathrm{di}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{in}^{31}>\mathrm{di}^{31} \mathrm{k}^{\mathrm{k}} \mathrm{i}^{31}$
clf., bowls, clothing, $\mathrm{t}^{\mathrm{h}} \mathrm{am}^{55}$
clf., boxes, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ka}^{35}$ (Lisu)
clf., bridges, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
clf., buckets (water), $\mathrm{t}^{\mathrm{h}} \mathrm{un}^{33}$ (Ch.)
clf., bunch, bundle, $\mathrm{m}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{om}^{55}$
clf., bunches, $\mathrm{m}^{31}$ Gin $^{55}$
clf., bunches, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \lim ^{55}$
clf., bundle (grass), ( $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$ ) $\mathrm{mul}^{31} \mathrm{bay}^{33}$
clf., buildings, $\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
clf., case, instance, buin ${ }^{55}$
clf., chi (= one third of a meter), $\mathrm{d} 7 \mathrm{a}^{55}$ (Lisu)
clf., chickens, etc., duw ${ }^{31}$
clf., cloth, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{xu}^{55}$
clf., clothes, $\mathrm{t}^{\mathrm{h}} \mathrm{am}^{55}$
clf., clump, $\mathrm{k}^{\mathrm{h}} \mathrm{an}^{35}$
clf., grove, $\left.\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{u}\right)^{31}$ (1/2 Ch.)
clf., cup without handle, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{p}^{\mathrm{h}} \varepsilon \mathrm{n}^{55}$
clf., days, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ni}^{33}$
clf., disks, trays, $\mathrm{t}^{\mathrm{h}}{ }^{33} \mathrm{~b}^{55}$
clf., dollars, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \operatorname{lan}^{55} \mathrm{hi}^{31} \mathrm{i}^{31}$ (Ch.)
clf., dose $=$ portion, share, $\mathrm{t}^{\mathrm{t}} \mathrm{i}^{31} \mathrm{fu}^{35}$
clf., drop, dze ${ }^{55}$
clf., drop (of oil), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{t}^{\mathrm{h}} \underline{o}^{55}$
clf., envelopes, $\mathrm{t}^{\mathrm{h}} \mathrm{am}^{55}$
clf., family, $\mathrm{t}^{\mathrm{t}} \mathrm{i}^{55} \mathrm{bu}^{53} \mathrm{Jum}^{35}$
clf., fans, $\mathrm{t}^{\mathrm{t}} \mathrm{i}^{55} \mathrm{la}^{31}$
clf., flexible sheets, lan ${ }^{31}$
clf., flight of stairs, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{gam}^{55}$
clf., flocks, $\mathrm{zl}^{31}$
clf., flowers, ven ${ }^{55}$
clf., generation, $\mathrm{di}^{31} \mathrm{ts}{ }^{\mathrm{h}} \mathrm{ur}{ }^{55}$
clf., generic, $\mathrm{t}^{\mathrm{h}} \mathrm{am}^{55}$
clf., grains of rice, lun ${ }^{55}$
clf., grasp, $\mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{m}^{31}, \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
clf., group, $\mathrm{za}^{55}$
clf., groves (trees), $\left.\mathrm{ts}^{\mathrm{h}} \mathrm{u}\right)^{31}$
clf., groves, $\mathrm{k}^{\mathrm{h}} \mathrm{an}^{35}$
clf., half kilometer, $\mathrm{t}^{\mathrm{h}} \mathrm{F}^{55} \mathrm{du}^{31} \mathrm{na}^{55} \mathrm{ni}^{55} \mathrm{li}^{53}$ (Ch.)
clf., handles (broom), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{du}^{55}$
clf., handles (knife), ( $\left.\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}\right) \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{m}^{31}$
clf., handles (knife), $\mathrm{d}^{31} \mathrm{guy}^{55} \mathrm{dzui}^{55}$
clf., handles, etc., $\mathrm{m}^{31} \mathrm{t}^{\text {h }} \mathrm{m}^{55}$
clf., hats, clothes, thin rigid layers, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{am}^{55}$
clf., herds (sheep), $\mathrm{zl}^{31}$
clf., house, $\mathrm{bu}^{31} \mathrm{zom}^{55}, \mathrm{zam}^{55}$
clf., house, $\left(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}\right) \mathrm{t}_{6}^{\mathrm{h}} \mathrm{im}^{31}$
clf., item (of problem), $\mathrm{t}^{\mathrm{h}} 1^{31} \mathrm{Ia}^{31}$
clf., item, type (unspecific objects), $\mathrm{bam}^{55} /{ }^{31}$
clf., litter of pigs, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{33}$
clf., load (of grain), tci ${ }^{35}$ (Lisu)
clf., knife, $\left(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}\right) \mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{m}^{31}$
clf., leaf, slices, $\varsigma \varepsilon \mathrm{m}^{55}$
clf., letters (postal), $\mathrm{t}^{\mathrm{h}} \mathrm{am}^{55}$
clf., line (wheat), dzum ${ }^{55}$
clf., load carried on back, $\mathrm{sa}^{31}>\mathrm{Ca}^{31}$
clf., matter, ian ${ }^{31}$
clf., matters (abstract), $\mathrm{t}^{\mathrm{h}} \mathrm{u}^{55}$
clf., meals, $\mathrm{t}^{\mathrm{t}} \mathrm{i}^{55} \mathrm{bumm}^{31}$
clf., meals, $\mathrm{t}^{\mathrm{h}}{ }^{55} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{31}$
clf., page, $t^{\text {h }} \tilde{a}^{55}{ }^{55}$
clf., pen, dam ${ }^{55}$
clf., pile (e.g., excrement), bum ${ }^{55}$
clf., square or cubic meter, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$ fan ${ }^{55}$ (Ch.)
clf., months, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{sl}^{31} \mathrm{la}^{55}$
clf., nests, $\mathrm{za}^{55}$
clf., nights, $\mathrm{t}^{\mathrm{h}}{ }^{33}$ ian ${ }^{55}$
clf., once (e.g., go once), $\left.\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{~d} 7 \mathrm{a}\right)^{31}$
clf., one time, a short while, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{dam}^{55}$
clf., pair, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}{ }^{1} \mathrm{ln}^{55}$
clf., pair of hands, $\mathrm{a}^{31} \mathrm{ni}_{\mathrm{i}}{ }^{31} \mathrm{bu}^{55}$
clf., pairs (shoes), dzui ${ }^{55}$
clf., person, ( $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$ )io? ${ }^{55}$
clf., petals (flowers), tc $^{\mathrm{h}} \varepsilon \mathrm{m}^{55}$
clf., pieces (earth), $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
clf., pieces (stone), lan ${ }^{33}$
clf., piles, $\left(\mathrm{t}^{\mathrm{t}} \mathrm{i}^{55}\right)$ bum $^{55}$
clf., point (needle), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{so}^{31}$
clf., poles, shafts, sticks, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{55}$
clf., pots, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{55}$
clf., repetitions, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{dam}^{55}$
clf., river, $\mathrm{t}^{\mathrm{h}} \mathrm{F}^{55} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{yua}^{31}$
clf., rolls (cloth), don ${ }^{55}$
clf., rooms, $\mathrm{k}^{\mathrm{h}} \mathrm{uan}^{55}$
clf., rooms, $\mathrm{t}^{\mathrm{t}} \mathrm{i}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
clf., ropes, buin ${ }^{55}$
clf., roots, blades, (grass), ropes, songs, translations; clf.s; that is, long narrow
soft strips or pieces, buy ${ }^{55} \mathrm{cf}$. 'thread'
clf., round objects (eggs, grains, rice, wheat), quy ${ }^{55}>\operatorname{lun}^{55}$
clf., round, soft objects, $\mathrm{p}^{\mathrm{h}}$ wm ${ }^{55}$
clf., rope-like rigid objects, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55}$
clf., row (of houses), ( $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$ ) $\mathrm{d} \not \mathrm{Zu}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{un}^{31}$
clf., sections, yom ${ }^{33}, \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31}$ nil ${ }^{25}$, $\mathrm{t}^{\mathrm{h}} \mathrm{an}^{55}$
clf., sentences, speech, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} / 5^{55}, \mathrm{tc}^{\mathrm{h}} \mathrm{wn}{ }^{55}$
clf., sheets (paper), $\left.\left(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}\right) \mathrm{t}^{\mathrm{h}} \mathrm{am}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}\right)^{55}$
clf., shoes, $\mathrm{p}^{\mathrm{h}} \varepsilon^{35}$
clf., slices, $\mathrm{p}^{\mathrm{h}} \mathrm{in}^{33}$
clf., slices, leaves, $¢ 8 \mathrm{~m}^{55}$
clf., span (thumb to middle finger), ( $\left.\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}\right) \mathrm{bu}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}$
clf., square block, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{fan}^{55}$
clf., steps, $\mathrm{t}^{\mathrm{h}}{ }^{31} \mathrm{gam}^{33}$
clf., storey (of building), $\mathrm{ci}^{31} \mathrm{lim}^{33}$
clf., string (of pearls), $\left(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}\right) \mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \lim ^{55}$
clf., ten liters, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$ dun ${ }^{55}$ (Lisu)
clf., things, $\mathrm{iaq}{ }^{31}$, ts $^{\mathrm{h}}{ }^{31}{ }^{31}>$ tss $^{\mathrm{h}} \mathrm{i}^{31}$
clf., times (e.g., three times as much), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{fu}^{55} \mathrm{bumm}^{31}$
clf., times, occurrences, $\mathrm{t}^{\mathrm{t}} \mathrm{i}^{55} \mathrm{so}^{31} \mathrm{~d} \mathrm{~d} \mathrm{an}^{31} \mathrm{mo}^{33}$
clf., towel, $\mathrm{t}^{\mathrm{h}} \mathrm{am}^{55}$
clf., trees, plants, cabbage, ( $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$ )dzuu1 ${ }^{55}$
clf., unit, e.g. of work, $\mathrm{i}^{35} \tilde{i}^{31}$
clf., unit of dry measure (= one decaliter)
clf., two buckets of (clf), tcti2 ${ }^{55}$
clf., units, nuu ${ }^{31}$
clf., wrapped things (sugar), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}$
clf., years old, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$ num ${ }^{33}$; num ${ }^{55}$
clf., yokes, airplanes, tsi1 ${ }^{55}$
clf., yokes (for cows), su ${ }^{33}$
cliff, $\left.a^{31} p^{h} a\right)^{55}$
climb (tree), ? ${ }^{\text {dan }}{ }^{55}$
clip, $\mathrm{a}, \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{55}{ }^{55} \mathrm{~d}^{55}$
close (book), $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{mo}^{55} \mathrm{yo}^{31} / \mathrm{s}^{31}$
close (book), $\$ 1^{55} \mathrm{va}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{mo}^{55} \mathrm{\gamma o}^{31} \mathrm{li}^{31}$
close (business), $\mathrm{tc}^{\mathrm{h}} \mathrm{in}^{53} \mathrm{ba}^{31}$
close (business), t th $\mathrm{a}^{53} \mathrm{u}^{31} \mathrm{ba}^{31}$
close (mouth), $\mathrm{tc}^{\mathrm{h}} \mathrm{T}^{53}$
close (relatives), $\mathrm{Ri}^{55} \mathrm{dza}^{55} ; \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{55} \mathrm{zum}^{55} \mathrm{Pi}^{55} \mathrm{dzq}^{55}$
close (umbrella), (mo $\left.{ }^{55}\right) \mathrm{p}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \mathrm{p}^{\mathrm{h}} \varepsilon \mathrm{n}^{55}$
close eyes, $\mathrm{ni}^{\mathbf{5}}{ }^{55} \mathrm{lum}^{55} \mathrm{mum}^{55}, \mathrm{Pda}^{55} \mathrm{da}^{31}$
close, to, $\mathrm{tc}^{\mathrm{h}} \mathrm{in}^{55} \mathrm{u}^{31}$
close; lock up, $\mathrm{p}^{\mathrm{h}} \mathrm{am}^{31}$
closet, cf. chest, box, $\mathrm{ka}^{55} \mathrm{tsw}^{55}$
cloth store, $\mathrm{ma}^{33} \mathrm{xun}^{55} \mathrm{ven}^{55} \mathrm{za}^{55}$
cloth wrapper, $\mathrm{pau}^{55} \mathrm{fu}^{55}$ (Ch.)
cloth; measure word (third of meter), $\mathrm{ma}^{33} \mathrm{xun}^{55}$
cloth pocket, $\mathrm{ca}^{55} \operatorname{sam}^{31} \mathrm{k}^{\mathrm{h}} \cdot 1^{55}$
clothes; clothing, $\mathrm{ga}^{31} \mathrm{mu}^{31}$
clothes, leather, $6 a^{55} \mathrm{sam}^{31} \mathrm{ga}^{31} \mathrm{mu}^{31}$
clothes, lined, $\mathrm{Pa}^{31} \mathrm{n}_{\mathrm{i}}{ }^{33} \mathrm{ci}^{31}{ }^{31} \mathrm{im}^{33}$
cloud cover moon, $\mathrm{di}^{31} \mathrm{ga}^{55} \mathrm{u}^{31}$
cloud, $\mathrm{io}^{55} / \mathrm{Io}^{55} / \mathrm{zo}^{55} / \mathrm{zo}^{55} \mathrm{bun}{ }^{55}$
cloud, $\mathrm{io}^{31} \mathrm{mumn}^{55}, \mathrm{io}^{55} \mathrm{mum}^{55}$
clouds disperse, $\mathrm{io}^{31} \mathrm{mum}^{55} \mathrm{a}^{31} \mathrm{si}^{55} \mathrm{P} \mathrm{d} \not \varepsilon^{35}$
clouds, rosy sunset, io $^{31} \mathrm{mun}^{55} \mathrm{bul}^{31} \mathrm{si}^{35} /{ }^{55}$
cloudy (day), mu ${ }^{55}$ duy ${ }^{55}$
cloudy (water), $\mathrm{k}^{\mathrm{h}} \mathrm{am}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{am}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31}$
clown, $\mathrm{Po}^{55} \mathrm{san}^{55} \mathrm{su}^{55}$
clumsy, $\mathrm{a}^{31} \mathrm{xa}^{35} \mathrm{a}^{31} \mathrm{vu}^{35} \mathrm{mu}^{31}$
clutch, grasp with hand, sann ${ }^{31}$
coal, $\mathrm{m}^{31} \mathrm{t}^{\mathrm{h}} \tilde{\mathrm{a}}^{55}$ (Ch.), $\mathrm{me}^{31} \mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{n}^{35}$
coal, $t \tilde{a}^{35} \mathrm{ts}^{\mathrm{h}} \mathrm{ur}^{31}$
coarse (flour), $\mathrm{n}^{31} \mathrm{ga}^{55} \mathrm{ci}^{55}$
coarse, rough, $\mathrm{xum}^{55} \mathrm{xu}^{55} \mathrm{uq}^{31}, \mathrm{xu}^{55}$
coax, fool, nim ${ }^{31}$; nim ${ }^{35}$
cobbler, $\mathrm{ts}^{\mathrm{h}} \mathrm{q}^{55} \mathrm{ni}^{55} \mathrm{di}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{su}^{55}$
cobblestone, dzil ${ }^{31} \mathrm{xa}^{31} \mathrm{luy}{ }^{55}$
cobweb, bun ${ }^{55}$
cock; rooster, $\mathrm{da}^{31} \mathrm{gu}^{55}$
cock, young, $\mathrm{d}^{31} \mathrm{gu}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{53}$
cock-a-doodle-do, $\mathrm{\gamma o}^{35} \mathrm{yo}^{35} \mathrm{\gamma o}^{35}$ !
cockroach, $\mathrm{ba}^{55} \mathrm{rua}^{33}$
cock's comb, $\mathrm{ko}^{55}$ to ${ }^{55}$ (Lisu)
cock's tail, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{~min}^{31}$
cocoon (silkworm), da $^{31}$ gur $^{55}$
cocoon (silkworm), $\mathfrak{y}^{31} \mathrm{da} \mathrm{\eta}^{31}$
coffin, $\mathrm{gu}^{31}$ (Lisu)
coffin bearer, man ${ }^{31} \mathrm{a}^{31} \mathrm{gi}^{55} \mathrm{su}^{55}$
cogon grass, $\mathrm{a}^{33} \mathrm{dzal}^{31}$
coil (snake); wrap, xuan ${ }^{55}\left({ }^{( } 1^{31}\right)$
cold (water), ( $\mathrm{n}^{31}$ ) dzun$)^{55}$
cold and cheerless, dzuri ${ }^{35}$ dzur ${ }^{35} \mathrm{ua}^{33}$
cold and hard (rice), dzuy ${ }^{55} \mathrm{gur}^{55} \mathrm{dzu} \mathrm{\eta}{ }^{55} \mathrm{k}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{gux}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{ul}^{55}$
coldly, $\mathrm{st}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{lo}^{55}$
collapse, avalanche, $\mathrm{a}^{31} \mathrm{din}^{31}$
collapse (house), ( $\mathrm{t}^{\text {h }} \mathrm{o}^{55}$ ) $\mathrm{dzan}{ }^{55} \mathrm{~d} \not \mathrm{q}^{31} \varepsilon^{55}, \mathrm{dim}^{55} \mathrm{~d} \not \mathrm{q} \varepsilon^{35}$
collapse, break down, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{~d} \not \mathrm{q}^{31} \varepsilon^{35}$
collar, $\mathrm{ts}^{\mathrm{h}}{ }^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{31}$ (Lisu)
colleague, $\mathrm{da}^{31} \mathrm{si}^{55} \mathrm{ua}^{55} \mathrm{su}^{55}$
collect kai ${ }^{55} \mathrm{ts}^{33}$
collect, to, tci ${ }^{31} \mathrm{fei}^{31}$ (Ch.)
collect manure, $\mathrm{tci}^{31} \mathrm{fei}^{31}$
collected dust (e.g., in cobweb), $\mathrm{tci}^{31} \mathrm{fei}^{31}$
collide, run into, $\mathrm{aa}^{33} \mathrm{do}^{55} \mathrm{o}^{55}$
colostrum, $\mathrm{Pa}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31} \mathrm{o}^{31} \mathrm{mo}^{55} \mathrm{a}^{31} \mathrm{iu}{ }^{31}$
colt; foal, $\mathrm{mã}^{31} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
columns in a building, $\mathrm{d} 7 \mathrm{o}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{53}$
comb, $\mathrm{a}^{31} \mathrm{~s} \mathrm{r}^{55}$
comb hair, $\mathrm{tc}^{\mathrm{h}} \mathrm{an}^{55}{ }_{\mathrm{S}} 1^{31}$
comb, $a^{31} s_{1}^{55}$
come (to Beijing), $\mathrm{dz} 1^{31}$ ium ${ }^{55}$
come down in torrents, $\mathrm{di}^{31} \mathrm{Spl}^{35}$
come in; enter, $\mathrm{bu}^{31} \operatorname{lin}^{55} \mathrm{bu}^{31}$
come in; enter, $\mathrm{i}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dz}{ }^{55}$
come loose (shoe), nua ${ }^{55} \mathrm{~T}_{\mathrm{d}} \varepsilon^{35}$
come loose, $a^{31} p^{h} u n^{53}$
come over, $\mathrm{a}^{31} \mathrm{ia}^{55}$
come out, $\mathrm{ba}^{31} \mathrm{se}^{55} \mathrm{bum}^{53}$
come out (sun), $\mathrm{ts}^{\mathrm{h}} \varepsilon^{53}, \operatorname{lan}^{55} \mathrm{a}^{31}$
come to tears, $\mathrm{p}^{\mathrm{h}} \mathrm{It}^{33} \mathrm{a}^{31} \mathrm{su}^{35} \mathrm{a}^{31} \mathrm{da}^{31}$
comfort, to, $\mathrm{k}^{\mathrm{h}} \mathrm{um}^{55} \mathrm{ni}^{33} \mathrm{yo}^{31}$
comfortable, s $\tilde{a}^{55} \varepsilon^{31}$
comic, ?a $^{31}$ gua $\left.^{31}{ }^{5}\right]^{55}$
comitative (СОм), zan ${ }^{31}$
command, to, $\mathrm{ua}^{55} \mathrm{Sl}^{31} \mathrm{dzal}^{55} \mathrm{u}^{3}$
commemorate, ts $^{\text {h }} \mathrm{om}^{53}{\mathrm{~d} \varepsilon \mathrm{~m}^{5}}^{5}$
commend, praise, $b \mathrm{bu}^{31} \mathrm{~s} 1^{53}$
comit a crime, $\mathrm{k}^{\mathrm{h}} \mathrm{iy}^{55} \mathrm{uq}^{31} \mathrm{uq}^{31}$
committee, member, $\mathrm{u}^{55} \mathrm{ie}^{31}$
common people, $\mathrm{pa}^{55} \mathrm{sa}^{31} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}(1 / 2 \mathrm{Ch}$.)
companion, $\mathrm{da}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$
compare, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \operatorname{lin}^{55} ; \mathrm{a}^{31} \operatorname{lin}^{53}$
comparative (COMP), ba ${ }^{31}$
comparative (COMP), $\mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{a}^{31}, \mathrm{p}^{\mathrm{h}} \mathrm{ar}^{33} \mathrm{a}^{31}$
compel, force, $\mathrm{ma}^{31} \mathrm{ua}^{33} \mathrm{~m}^{31} \mathrm{da}^{55}$
compensate, to, $\mathrm{pli} \varepsilon^{31}, \mathrm{p}^{\mathrm{h}} \varepsilon^{31}$
compensate, pay for, $\left.\mathrm{n}^{31} \mathrm{dzan}\right)^{31}, \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{liu}^{31}$
complain, dzur ${ }^{31}{ }^{5} 1^{55}$
complain about, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{53}$
complete, $\mathrm{a}^{31} \operatorname{lin}^{55}$
complete, all, gom ${ }^{55} \mathrm{dzi}^{31} \varepsilon^{33}$, dan ${ }^{35}$
complete, finish, $2 \mathrm{~d} \not \mathrm{z} \varepsilon^{35} ; \mathrm{d} \not \mathrm{qu}^{55} \mathrm{fa}^{31}$
completed aspect, $\mathrm{t}^{\mathrm{h}} \mathrm{ar}^{55}$
completive aspect, $\left.\mathrm{i}^{31} \mathrm{ium}\right)^{31}$
compost, fu ${ }^{35}$
concave; sunken, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{Iog}^{31}$
concave; sunken, cuiv ${ }^{55} \mathrm{dzi}^{31} \varepsilon^{55}$
conceal, $t^{4}{ }^{h} \mathbf{u}^{55}{ }^{\lim }{ }^{55}$
conceal (truth), $\mathrm{di}^{31} \mathrm{ma}^{31} \mathrm{nu}^{31}$
conceited, arrognant, $\mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{se}^{55}$
concentrate, to, $\mathrm{da}^{31} \mathrm{si}^{55}$
concerned about, $\operatorname{ci}^{31} \mathrm{~s}^{31} \mathrm{la}^{55}$
conch, bur ${ }^{31} \mathrm{nu}^{31} \mathrm{ko}^{55}$
concrete, $\mathrm{kan}^{55} \mathrm{tcin}^{55} \mathrm{sui}^{55} \mathrm{ni}^{31}$
condense (milk), to, $\varsigma \varepsilon \mathrm{m}^{31} \mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{dzau}^{53}$
confess; be frank, ium ${ }^{55}$
confiscate, $\mathrm{di}^{31} \varphi \tilde{\mathrm{a}}^{35} \mathrm{y} \mathrm{u}^{31}, \mathrm{mo}^{31} \mathrm{su}^{55}$ (Ch.)
conform to, satisfy, $\mathrm{Pa}^{31} \mathrm{du}^{31} \mathrm{bu}^{31} \mathrm{\gamma o}^{55} \mathrm{di}^{55} \mathrm{\gamma o}^{31}$
congeal, to, $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{55}$
congee, corn, $\mathrm{a}^{31} \mathrm{mu}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{gh}_{1}{ }^{55} \mathrm{da}^{31} \mathrm{bumm}^{55}$
congee; porridge, $\mathrm{da}^{31}$ bum ${ }^{55} \mathrm{gri}^{55}, \mathrm{gn}^{55}{ }^{5} \mathrm{ts}^{\mathrm{h}} 1^{31}$, $\mathrm{dza}^{31}$
conjunction (CONJ), $\mathrm{la}^{55} \mathrm{Za}^{31} \mathrm{na}^{31}, \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35}, \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{a}^{55}, \mathrm{ni}^{55}, \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}, \mathrm{ta}^{55} \mathrm{ti}^{55}, \mathrm{n}^{31} \eta \varepsilon \eta^{31}$,
$\eta \varepsilon^{31} \mathrm{na} \mathrm{\eta}^{55} ; \mathrm{mi}^{31} \mathrm{li}^{31}, \mathrm{li}^{31}, \mathrm{le}^{31}, \mathrm{~m}^{31} \mathrm{ie}^{35} 1 \varepsilon^{53}, \mathrm{o}^{35} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}, \mathrm{ta}^{35}, \mathrm{le}^{55}$
conjunctive morpheme, $\mathrm{i}^{31}$
connect, $\mathrm{y}^{31} \mathrm{pu}^{55}, \mathrm{lu}^{35} \mathrm{dzi}^{33}$
connect, tie together, $\$ 1^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{35} \mathrm{tsa}^{55}$
connect head, $\mathrm{S}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{31} \mathrm{o}^{33}$
conscience, $\mathrm{nim}^{31} \mathrm{qa}^{55}$
consommé, clear soup, $\mathrm{r}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{q}^{31}$
constipation, $\mathrm{ni}^{25}{ }^{5} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{55}$
constitution, $\mathrm{can}^{35} \mathrm{fa}^{31}$ (Ch.)
consult, talk over, $\mathrm{a}^{31} \mathrm{gum}^{53}$
content, $6 \mathrm{wu}^{31} \mathrm{n}_{\mathrm{n}} \mathrm{my}^{55} \mathrm{ium}^{53}$
contented, willing, $\mathrm{nim}^{55} \mathrm{ium}^{31}$
continuative, $\eta \varepsilon^{31} \eta \varepsilon \eta^{31}, \operatorname{ta}^{55} \mathrm{t}^{55}, \mathrm{t}^{\mathrm{h}} \mathrm{am}^{55}$
continuative, dzi ${ }^{31}$, $\mathrm{bu}^{31}$
continue, $l \varepsilon^{31} \mathrm{~S} 1^{55}$
continuously, unceasingly, $\mathrm{ma}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{ua}^{33}$
contradict a senior, $\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{ar}^{55} \mathrm{~s}^{31}$
convenient, $s \tilde{a}^{55} \varepsilon^{55}$
convex, dzum ${ }^{55}$
convex (very), bulgy, dzu ${ }^{33}$ dzum ${ }^{55}$
cook (rice), boil, $\mathrm{k}^{\mathrm{h}} \mathrm{in}^{53}$
$\operatorname{cook}\left(\mathrm{n}\right.$.), $\mathrm{a}^{31} \mathrm{~g} .{ }^{5}{ }^{55} \mathrm{k}^{\mathrm{h}} \mathrm{in}^{55} \mathrm{su}^{55}$
cook; boil, $\mathrm{k}^{\mathrm{h}} \mathrm{in}^{53} ; \mathrm{k}^{\mathrm{h}} \mathrm{in}^{31} \mathrm{u}^{31}$
cook; boil, $\mathrm{n}^{31} \mathrm{n}_{\mathrm{in}}{ }^{55}$
cook in a steamer, $\mathrm{s}^{31} \mathrm{mu}^{31}(\mathrm{u})$
cook on a griddle, $\mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{am}^{53}$
cook out the fat, $\mathrm{k}^{\mathrm{h}} \mathrm{an}^{55}$
cook soup, $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{k}^{\mathrm{h}} \mathrm{in}^{53}$
cooked (meat), $\mathrm{Pn}^{31} \mathrm{n}_{\mathrm{s}} \mathrm{n}^{55}$
cooked rice, $\mathrm{ga}^{55} \mathrm{Sa}^{55}$
cooking stove, $\mathrm{lo}^{35} \mathrm{tso}^{31}$
cool, $\left.\mathrm{di}^{31} \mathrm{fr}\right)^{55}$
cool (rice), $\mathrm{di}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{am}^{31} \mathrm{u}^{31}$
cooling tea, $\mathrm{tan}^{55} \mathrm{sen}^{55}$
coop, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{xa}^{55}$
coop, chicken, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{dm}^{31} \mathrm{~d} \varepsilon \mathrm{~m}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$
copper oxidation dzl ${ }^{31} \mathrm{kiu}^{53}$
copper, dzi ${ }^{31}$, dzal (Lisu)
copula (cop), $\mathrm{ie}^{33}{ }^{55}, \mathrm{ie}^{55} ; \mathrm{a}^{31} \mathrm{da}^{55}, \mathrm{io}^{55} ; \mathrm{a}^{31} \mathrm{n}^{55}<\mathrm{an}^{55}+\varepsilon^{55}, \mathrm{no}^{55}, \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
copulation (of animals), $\mathrm{og}^{55} \mathrm{ium}^{31} \mathrm{sa}^{31} \mathrm{u}$
copulate, have sex, $\mathrm{a}^{31} \mathrm{lu}^{55}$
copy (from book), $\varsigma_{5}^{55} \mathrm{va}^{31} \mathrm{a}^{31} \mathrm{zu}^{55} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{53} \mathrm{u}$
copy slip, $\mathrm{S}_{1}{ }^{55} \mathrm{va}^{31} \mathrm{tso}^{35} \mathrm{dza}^{53} \mathrm{u}^{31}$
coral, $\mathrm{Co}^{33} \mathrm{lo}^{55}$
cord or rope (hemp), (mi $\left.\left.{ }^{55}\right) \mathrm{a}^{31} \mathrm{xum}\right)^{55}$
coriander, $\mathrm{ie}^{31} \mathrm{sui}^{35}$ (Ch.)
coriander, $\mathrm{da}^{31} \mathrm{so}^{55} \mathrm{mu}^{35} \mathrm{dim}^{55}$
cork; stopper, $\mathrm{t}^{\mathrm{h}} \mathrm{qy}^{33} \mathrm{~d}^{3} \mathrm{~m}^{55}$
cork, $\mathrm{a}^{31} \mathrm{dan}^{31}$
cork; stopper, $\mathrm{da}^{31} \mathrm{so}^{55} \mathrm{mul}^{35} \mathrm{dim}^{55}$
corn cob, $\mathrm{a}^{31} \mathrm{mu}^{55} \mathrm{tim}^{31} \mathrm{da}^{31} \operatorname{gan}^{55}$
corn congee, $a^{31} \mathrm{mu}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{gl} 1^{55} \mathrm{da}^{31} \mathrm{bumm}^{55}$
corn (sand-?), $\mathrm{a}^{31} \mathrm{mu}^{33} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
corn grits, $\mathrm{a}^{31} \mathrm{mu}^{33} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
corn husk, $\mathrm{a}^{31} \mathrm{mu}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{am}^{55}$
corn nucleus, $\mathrm{a}^{31} \mathrm{mu}^{55} \mathrm{tim}^{31} \mathrm{da}^{31} \mathrm{gay}^{55}$
corn stalk, $\mathrm{a}^{31} \mathrm{mu}^{55} \mathrm{la}^{55}$
corn wrap, $\mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$
corn, $\mathrm{a}^{31} \mathrm{mu}^{55}$
corn, maize, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{Sa}^{44}$
corn, cooked, $\mathrm{a}^{31} \mathrm{mum}^{55} \mathrm{grl}{ }^{55}$
corn, green, $\mathrm{mu}^{55} \mathrm{xye}^{31}$
corner, $\mathrm{Pi}^{55} \mathrm{ku}^{33}$
corner, $a^{31}$ dzuu ${ }^{55}$
corner (formed by two walls), $\left.\mathrm{ko}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{u}\right)^{55}$
corner of eyes, nid $\left.{ }^{55} \mathrm{lum}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{un}\right)^{55}$
corner of mouth, $\left.\mathrm{ni}^{\mathbf{5}}{ }^{5} \mathrm{bu}^{31} \mathrm{t}_{6}{ }^{\mathrm{h}} \mathrm{Un}\right)^{33}$
cornmeal, $\mathrm{a}^{31} \mathrm{mu}^{55} \mathrm{ua}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31}$
cornmeal (coarse), $\mathrm{a}^{31} \mathrm{mul}^{55} \mathrm{uq}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31}$
corpse, $\left(\mathrm{n}^{31}\right) \mathrm{may}^{31}$
correct, $\mathrm{m}^{31} \mathrm{go}^{31} \mathrm{lan}^{55}$
correct, to, $\mathrm{tch}^{\mathrm{h}} \mathrm{in}^{31} \mathrm{~S}_{\mathrm{s}}{ }^{55}$
corridor; passageway, $\mathrm{dza}^{55} \mathrm{na}^{31}$
cottage, thatched, $\mathrm{a}^{31} \mathrm{~d}_{\mathrm{l}}{ }^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
cotton, $\mathrm{da}^{31}$ Vun ${ }^{35}$
cotton grass, $\mathrm{d} \not \mathrm{q}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{sa}^{33} \mathrm{la}^{31}$
cough, $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{min}^{55}$
count as, so ${ }^{53}$
count (things), $\mathrm{s} 1^{31} \mathrm{Zu}^{31} \mathrm{u}^{31}$
count, calculate, so $^{33}$ (Lisu)
count (with fingers), $\mathrm{a}^{31} \mathrm{vu}^{35} \mathrm{n}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{55} \mathrm{mi}^{53} \mathrm{sur}^{31} \mathrm{Zu}^{31} \mathrm{u}$
country, foreign, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ar}^{31} \mathrm{kue}^{31}$; uai ${ }^{35} \mathrm{ku}^{35}$
country, kue ${ }^{31}$ t $6 a^{55}$ (Ch.)
country people, $a^{31} t s^{h} \mathrm{an}^{31} \mathrm{dzu}^{55} \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31}$
countryside, $\varphi \tilde{a}^{55}$ (Ch.)
county, gan $^{35}$ (Ch.)
county fair, market, $\mathrm{kai}^{55} \mathrm{ts}^{33}$
courage, $\mathrm{da}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{I}^{33}$
courageous, brave, $\mathrm{di}^{31}$ zurl $^{55}$
courtyard, da $^{31}$ gua $^{35}$ dzan ${ }^{31}$
course of river (lower), $\mathrm{ii}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
course of river (upper), $n a^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
court a women (successfully), $\mathrm{za}^{31} \mathrm{u}^{31}, \mathrm{sa}^{31} \mathrm{u}^{31}$
courtyard; compound, da $^{31}$ gua $^{35}$ dzan ${ }^{31}$
cover with, gua ${ }^{31} \mathrm{~S}^{33}, \mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{mo}^{55}$
cover with, dim ${ }^{55}$
cover with hand, $t^{h} a \eta^{31} u u^{31}$
cover, cover up, hide, $\mathrm{di}^{31} \mathrm{~g} \tilde{\mathrm{a}}^{55} \tilde{\mathrm{u}}^{31}, \mathrm{k}^{\mathrm{h}} \mathrm{am}^{55}$
cover completely, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{o}^{55}$
cover from head, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{mo}^{55} \mathrm{Yo}^{31}$
cover; quilt, $\mathrm{Sl}^{31}$ dun ${ }^{31}$
cover; shut, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{mo}^{55} \mathrm{Xuq}^{55} \mathrm{~S}^{31}$
cover up, hide, $\mathrm{di}^{31} \mathrm{ga}^{55} \mathrm{uu}^{31}$
covet, $a^{31}$ iun ${ }^{31}$
covet, $\mathrm{ts}^{\mathrm{h}} \mathrm{f}^{55} \mathrm{a}^{31} \mathrm{iun}^{31}$
cow; ox, no ${ }^{31}$ uã $\tilde{a}^{31}$
cow disease, $n \tilde{o}^{31} u \tilde{a}^{31} \cdot \eta m^{55}$
cow dung, no $\tilde{}^{31} u \tilde{a}^{31} n_{0} i^{55}$
cow fat, $n \tilde{o}^{31} \mathbf{u} \tilde{a}^{31} \mathrm{su}^{53}$
cow neck bag (?), no $\tilde{}^{31} u \tilde{a}^{31} \mathrm{ga}^{55} \mathrm{lu}^{31}$
cow neck, nõ ${ }^{31} \mathrm{u} \tilde{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{31}{ }^{\mathrm{u}} \tilde{u}^{55}$
cow nose ring, $\mathrm{na}^{55} \mathrm{ka} \tilde{\mathrm{a}}^{55}$
cow pen, nõ ${ }^{31} u \tilde{a}^{31} \mathrm{dza} \mathrm{a}^{31} \mathrm{xam}^{55}$
cow (female), no $\tilde{}^{31} \mathrm{ua}^{31}\left(\mathrm{ma}^{55}\right)$
cow, sick, no $\tilde{}^{31} u \tilde{a}^{31} \mathrm{r} \mathrm{m}^{55}$
cow (yellow); cattle, nui ${ }^{55}$ pua $^{31}>$ no $^{31}$ ua $^{31}$
cow, wild, $\varphi a^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
cowlick, hair whorl, $\left.\operatorname{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{Z}\right\rceil \mathrm{n}^{55} \mathrm{ran}^{55}$
cowrie hen, $\mathrm{ts}^{\mathrm{h}}{ }^{31} \mathrm{dan}^{31}$
cowrie, $\mathrm{p} \varepsilon^{31} \mathrm{mu}^{33}$ (Ch.)
coy, coquettish; in a soft voice, soft-spoken, $k^{h} a^{31} m \varepsilon y^{55} k^{h} a^{31} m \varepsilon \eta^{55}$
crack an egg, $\mathrm{Pa}^{31} \mathrm{ts}^{\text {h }} \mathrm{om}^{31}$
crack a melon seed, $\mathrm{ium}^{31} \mathrm{y}^{55}$
crack between the teeth, cumi ${ }^{53}$
crack, $\mathrm{f}^{31}$ ci $^{31} \lim ^{55}$, tcw ${ }^{55}$
crack open, $\mathrm{ga}^{55} \mathrm{~d} \tilde{z}^{31}$
crack, fissure, tcu ${ }^{55}$
crack, fissure, $\mathrm{n}^{31} \mathrm{ci}^{31} \lim ^{55}$
crack, to, $\mathrm{dzi}^{55} \varepsilon^{31}$
crane, white, $\mathrm{ni}^{31} \mathrm{t} \mathrm{t}^{5}{ }^{53}$
crane, white, $\mathrm{mo}^{55} \mathrm{xa}^{33}$
crawl, to, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{mo}^{55} \mathrm{a}^{31} \mathrm{yom}^{31}$
crawl (child), climb, ?dan ${ }^{55}$; Pdan $^{55}$; dan ${ }^{55}$
crawl, $a^{31}$ yom $^{31}$
crazy, go, $\mathrm{a}^{31} \mathrm{xua}^{35}\left(\mathrm{u}^{31}\right)$
crazy, to go, xuan ${ }^{35}$ (second person form)
crazy person, $\mathrm{a}^{31} \mathrm{xuq}^{35} \mathrm{lu}^{31}$
creek (mountain), $\operatorname{tq}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{35} \mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}} 1^{33}$
crescent moon, $\mathrm{s}^{31} \mathrm{la}^{55} \mathrm{a}^{31} \mathrm{in}^{55}$
cricket, $\mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31}$ du ${ }^{255}$
crime; guilt, tsui ${ }^{55}$
crime; guilt, tsue ${ }^{55}$ (Ch.)
crisp, brittle, xom ${ }^{55}$
crisp, brittle, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55}$
criticism; criticize, $\mathrm{p}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{31}$
criticize, $\mathrm{na}^{55}, \mathrm{p}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{31}$ (Ch.)
criticize, $\mathrm{ni}^{55} \mathrm{nu}^{31}$
crooked mouth, $\mathrm{ma}^{55} \mathrm{dur}^{31} \mathrm{lu}^{33} \mathrm{sa}^{33} \mathrm{nc}^{31}$
crooked (necked), askew, $\mathrm{go}^{31} \mathrm{lo}^{55} \mathrm{go}^{31} \mathrm{lan}^{31}$
crocked; askew, $\mathrm{dza}_{7}{ }^{55} \mathrm{ni}^{33}{ }^{1} \mathrm{c}^{\mathrm{h}} \varepsilon^{33}$
crooked, bent, go ${ }^{31}$ lun ${ }^{31}$
crooked, winding, $\mathrm{bu}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}$
crop (of bird), $\mathrm{bi}^{55} \mathrm{lu}^{55}$
crop, craw, $\left.\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{bul}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{ur}\right)^{55}$
crops, $\mathrm{m}^{31} \mathrm{dzq}_{1} \mathrm{n}^{55} \mathrm{~s}^{1 \mathrm{n}^{31}}, \mathrm{mu}^{31} \mathrm{dzq}^{31}$ (=food)
crops, $\mathrm{la}^{31} \mathrm{mon}^{55}$
crotch, da $^{31}$ buun ${ }^{31}$
cross (bridge), $\mathrm{m}^{31} \mathrm{gu}^{55}$
cross (river), $\mathrm{li}^{33}{ }^{3} 1^{31}$
cross (river), cui ${ }^{33}$
cross (bridge), $\mathrm{go}^{31} \mathrm{za}^{55} \mathrm{ga}^{31} \mathrm{gu}^{55}$
cross by overhead cable, $\mathrm{a}^{31} \mathrm{gu}^{55}$
cross over, stride, $\mathrm{ca}^{55} \mathrm{P}$ bium ${ }^{35}$
cross, pass, $\mathrm{li}^{33} \mathrm{bul}^{33} ; \mathrm{li}^{33} \mathrm{~s}^{31}$
cross the legs, $\mathrm{ku}^{33} \mathrm{ku}^{33}{ }^{3} \mathrm{no}^{35}$
cross the street, $\mathrm{dz}_{\mathrm{G}}{ }^{55} \mathrm{li}^{55} \mathrm{a}^{31} \mathrm{ba}^{55}$
cross-eyed person, $\mathfrak{n} \varepsilon^{55}$ dzi ${ }^{31}$ (Lisu)
crossbar at the top, $\mathrm{b} \mathrm{\varepsilon}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{di}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{an}^{55}$
crossbow, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55}$
crossbow, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{~d} \varepsilon \mathrm{n}^{53}$
crossing, intersection, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{Za}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{ay}^{55}$
crossroad, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31} \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{gam}^{53}$
crow (rooster), g. $1^{33}$
crow (n.), dza ${ }^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
crowd, herd, group, flock, $\mathrm{z} 1^{31}$
crowd, to, $\left.\mathrm{a}^{31} \tan ^{55} \mathrm{~S}\right\}^{31}$
crowded, $a^{31} \operatorname{ci}^{31} \operatorname{lin}^{55} a^{31} \mathrm{du}^{31}$
crowded, $a^{31} \operatorname{ts}^{h} \mathrm{an}^{31} \mathrm{a}^{31} \mathrm{ci}^{31} \lim ^{55}$
crown/top of head, $\mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{uv}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{31}{ }^{\mathrm{I}} \mathrm{q}^{55}, \mathrm{Po}^{55} \mathrm{lum}^{35}$
cruel/evil people, $\mathrm{yi}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{o}^{35}$
crush (louse), $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{53} \mathrm{nu}^{31}$
crush to pieces, $?^{31} \mathrm{ga}^{55} \mathrm{Ci}^{55} \mathrm{~Pa}^{31} \mathrm{dzq}^{31} \mathrm{u}^{31}$
cry (bird), cackle (hen), gu ${ }^{31} \mathrm{la}^{55} \varepsilon^{31}, \mathrm{n}_{\mathrm{a}} \tilde{\mathrm{a}}^{55} \mathrm{l}^{33}$
cry, cause to, $s_{1}^{31} \mathrm{num}^{55}, \mathrm{~s}^{31}-\mathrm{yw}^{35}\left(\mathrm{u}^{31}\right)$
cry, weep, $\mathrm{a}^{31} \mathrm{rum}^{55}$
crystal rock (crystalite), $\operatorname{cin}^{31} \mathrm{tçi}^{55} \mathrm{Ci}^{31}$ (Ch.)
crystal sugar, block, $\operatorname{pin}^{55} \mathrm{t}^{\mathrm{h}} \tilde{a}^{31}$
cuckoo, $\mathrm{ka}^{55} \mathrm{pu}^{31}$
cucumber, $\mathrm{d} \varepsilon^{33}$ gua $^{53} ; \mathrm{d} \varepsilon^{53}$ guar $^{53}$
culture, $\mathrm{sum}^{55} \mathrm{ni}^{31}$ (Lisu)
cun (inch), $\mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u} \varepsilon \mathrm{n}^{35} ; \mathrm{ts}^{\mathrm{h}} \mathrm{u} \tilde{\varepsilon}^{55}$
cunning, $a^{31} s^{h} \mathrm{an}^{31}$ gua $^{55}$
cup; glass, vi ${ }^{55} \mathrm{ka}^{33}$
cupboard, $\mathrm{ka}^{55} \mathrm{tsu}^{55}$ (Lisu)
cure, treat (disease, illness), $\mathrm{Iu}^{31} \mathrm{mum}^{55}\left(\mathrm{~S}^{55}\right), \mathrm{io}^{55} / \mathrm{IO}^{55} / \mathrm{zo}^{55} / \mathrm{zo}^{55} / \mathrm{zul}^{31} \mathrm{mun}^{55}$
cured meat, $\mathrm{ca}^{55} \mathrm{ql}^{55}$
current, with the, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ra}^{55} \mathrm{a}^{31} \mathrm{im}^{53} \mathrm{du} \mathrm{p}^{55}$
curse, $\mathrm{xo}^{33}$
curse (someone), $n_{n} \mathrm{a}^{55} \varepsilon^{31}$
curse, to, $\mathrm{i}^{55} \mathrm{zan}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{lu}^{31} \tilde{\mathrm{u}}^{31}$
curve, bend, go ${ }^{31}$ un $^{31}$, go ${ }^{31} \mathrm{lan}^{53}$
custom, habit, dzan ${ }^{31} \varepsilon^{55}$
customer, $n \varepsilon \mathrm{n}^{55} \mathrm{ven}^{35} \mathrm{su}^{55}$
cut (cloth), $\mathrm{ts}^{\mathrm{h}} \mathrm{w}^{31}$
cut (fish), $\left.a^{31} p^{h} u\right)^{53}$
cut (hay), $\mathrm{a}^{31} \mathrm{zan}^{53}$
cut (meat), $\mathrm{ua}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{R}^{31} \mathrm{a}^{31} \operatorname{zan}^{55} \mathrm{u}^{31}, \operatorname{dzan}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{33}$
cut (meat), bi ${ }^{31}$
cut (vegetables), $p^{\mathrm{h}} \mathrm{a}^{31} \operatorname{Ian}^{55} \mathrm{u}^{31}$
cut firewood, $\mathrm{a}^{31} \mathrm{tci} \mathrm{i}^{33}$
cut into pieces, $\mathrm{y}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{in}^{55} \mathrm{a}^{31} \mathrm{zan}^{55}$
cut into slices, $y^{31} q^{31} \eta^{55} a^{31} z a n^{55}$
cut into threads, $\mathrm{y}^{31}$ buun ${ }^{55} \mathrm{a}^{31} \mathrm{zan}^{55}$
cut into two, $\operatorname{san}^{53}$
cut off; harvest, San ${ }^{53}$
cut off (rope), $\mathrm{a}^{31}$ d $\mathrm{d} \varepsilon \mathrm{n}^{55}, \mathrm{p}^{\mathrm{h}} \mathrm{a}^{55}, \mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{~d} \varepsilon \mathrm{n}^{55}$

cut out in sewing, ss $^{\mathrm{h}} \mathrm{um}^{31}$
cut up (vegetables), $\mathrm{ua}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31}$
cut with sickle, $\mathrm{a}^{31} \mathrm{zan}^{53}$
cut with sideward motion, $\mathrm{Pbi}^{55} \mathrm{o}^{55}$
cut (with downward motion), $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{I} / \mathrm{zan}^{55} \mathrm{u}^{31}$
cut (with scissors), $\operatorname{ts}^{\mathrm{h}} \mathrm{u}^{31} t \varepsilon^{55}$
cut umbilical cord, ben ${ }^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{un}^{35}$
cut; chop, $\mathrm{a}^{31} \mathrm{dza}^{55}$
cut; dice, $\mathrm{n}^{31} \mathrm{se}^{55} \mathrm{a}^{31} \mathrm{zan}^{55}$
cute, $\mathrm{ci}^{31} \mathrm{n}_{\mathrm{i}}{ }^{55} \varepsilon^{31}$
cuticle, $\mathrm{n}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{55} \mathrm{xa}^{31} \mathrm{a}^{55}$
cutting board, $\mathrm{ca}^{55} \mathrm{da}^{31} \mathrm{t}^{\text {h }} \mathrm{an}^{55}$
cycle of the twelve animal years, num ${ }^{55}$
cypress tree, co $^{55} \mathrm{pa}^{33}$ dzul ${ }^{55}$
daily, every day, dzo ${ }^{55} \mathrm{~d}_{\mathrm{zo}}{ }^{33} \mathrm{uqa}^{33}$
dam, embankment, $\mathrm{da}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{ug}^{31}$
damage, spoil, $\mathrm{m}^{31} \mathrm{qa}^{33} \mathrm{dzal}^{31}$
damaged, caved in, $\mathrm{ma}^{55}$
dance hall, $\mathrm{Sl}^{31} \operatorname{lam}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{a} \mathrm{\eta}^{31}$
dance, $\mathrm{a}^{31} \mathrm{lam}^{31}$
dance, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{nu}^{31}$
dandruff, $\mathrm{o}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
dangerous, $\mathrm{p}^{\mathrm{h}} \mathrm{i}^{31}{ }^{1} \mathrm{aq}^{31} \varepsilon^{55}$
dangle, $a^{31} d z a^{55}$
dangshen (Chinese medicine), $\tan ^{55} \operatorname{sen}^{55}$ (Ch.)
dare, to, $\mathrm{i}^{33}, \mathrm{zi}^{\mathrm{i}^{55}}$
dark, $\mathrm{tc}^{\mathrm{h}} \mathrm{in}^{55} \mathrm{dum}^{33}$
dark, $\left(\operatorname{tsqan}^{55}\right) d \mathrm{u}^{55}$
dark, get, $\mathrm{qum}^{31} \mathrm{a}^{31} \mathrm{i}^{33}$
daugher-in-law, $\operatorname{san}^{31} /{ }^{55}$
daughter, $\mathrm{tc}^{\mathrm{h}} \varepsilon^{55} \mathrm{mmu}^{31}$
daughter; girl, $\mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31} \mathrm{mu}^{31}, \mathrm{n}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{mu}^{31}$
daughter's husband, $m \varepsilon^{55} \mathrm{vu}^{31}$
daughter's son, $\mathrm{p}^{\mathrm{h}} \mathrm{S}^{31} \mathrm{l}^{55}$
dawn, $n \varepsilon^{31} \mathrm{ku}^{55}$
dawn; daybreak, $\mathrm{mu}^{31} \mathrm{ga}^{55} \mathrm{ga}^{55}$
day after tomorrow, $\mathrm{a}^{31} \mathrm{~m} \varepsilon^{55} \mathrm{ni}^{31}$
day after day after tomorrow, $\mathrm{ti}^{55} \mathrm{san}^{31} \mathrm{ni}_{\mathrm{i}}{ }^{55}$
day after day after tomorrow, $\mathrm{i}^{55} \mathrm{zan}^{31} \mathrm{ni}_{\mathrm{i}}{ }^{55}$
day and night ( 24 hours), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{iaq}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{33} \mathrm{ni}_{\mathrm{i}} \mathrm{i}^{31}$
day before day before yesterday, $\mathrm{ua}^{55} \mathrm{~Sv}^{31} \mathrm{ni}^{55}$
day before yesterday, $\mathrm{da}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{55}$
day, fine, nice, bul ${ }^{55} \varepsilon^{31}\left(\mathrm{bo}^{55} \eta \varepsilon^{31}\right)$
day by day, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{mi}^{33} \mathrm{ni}_{\mathrm{i}}{ }^{33}$

day, $\mathrm{ni}^{\mathrm{i} 3}, \mathrm{n}^{31} \mathrm{n}_{\mathrm{i}}{ }^{55}$
day, the second, $\mathrm{a}^{31} \mathrm{n}_{\mathrm{i}}{ }^{33} \mathrm{ni}^{33}$
daybreak, $\left(\mathrm{p}^{\mathrm{h}} \mathrm{av}^{31}\right) \mathrm{ga}^{55}$
daytime, $a^{31} n \tilde{a}^{35}$
daytime, $\mathrm{a}^{31} \operatorname{son}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{ur} \boldsymbol{y}^{55}$
dazzling, $\mathrm{ni}^{55} \mathrm{so}^{31} \mathrm{Pon}^{33}$
dead knot, $\mathrm{p}^{\mathrm{h}} \mathrm{un}^{53} \mathrm{~m}^{31} \mathrm{da}^{55} \mathrm{u}$
deaf person, $\mathrm{a}^{31} \mathrm{na}^{31} \mathrm{bum}^{31} \mathrm{dum}^{55} / \mathrm{d} \mathrm{m}^{55}$
deaf, $\mathrm{bu}^{31} \mathrm{dum}^{55}$
debate, to, $\mathrm{Pa}^{31} \mathrm{gmy}^{55}$
debt, dem? ${ }^{55}$
deceive, cheat, $\mathrm{ni}^{53} \mathrm{~m}^{55}, \mathrm{p}^{\mathrm{h}} \varepsilon^{55}$ (Lisu)
December, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{53} \mathrm{Ra}^{31} \mathrm{n}_{\mathrm{i}}{ }^{55} \mathrm{la}^{55}$
decide, to, $\mathrm{Pa}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}{ }^{5} \varepsilon^{31}$
decision, resolution, $\mathrm{ts}^{\mathrm{h}} \mathrm{om}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{u}^{31}$
decline, to, $\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i} \varepsilon \mathrm{y}^{31} \mathrm{u}^{31}$
decoct (herbal medicine), $\mathrm{k}^{\mathrm{h}} \mathrm{in}^{53}$
decrease, $t{ }^{\text {h }} \varepsilon \mathrm{m}^{31} \mathrm{Pd} \varepsilon^{85}$
deep (water), num ${ }^{31}\left(\varepsilon^{55}\right)$
deep fry, sa ${ }^{31}$
deep fry (in oil), dum ${ }^{31} \mathrm{~g} \mathrm{I}^{31}$
deep in the night, $a^{31} \mathrm{ca}^{55}$ gun ${ }^{31}$
deep open basket, $\mathrm{lo}^{55}$
deer, river, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{la}^{55}$
deer, sambar, ts ${ }^{\text {h }} \mathrm{e}^{53}$
deer, $a^{31}$ dzun ${ }^{55}$
defeated; lose, $\mathrm{m}^{33} \mathrm{dzo}^{55} ; \mathrm{m}^{31} \mathrm{dzo}^{31}$
defecate, $\mathrm{ni}^{31} \mathrm{ni}^{\dot{5}}{ }^{55} \mathrm{Pdzan}^{55} \varepsilon^{31}$
defecate, ?dzan ${ }^{55} \varepsilon^{31}$
defect, t ${ }^{\text {h }} \mathrm{ye}^{31} \operatorname{tian}^{53}$
definitely so, $\$ 1^{31} \mathrm{do}^{55} \varepsilon^{33}$
definite (DEF), $a^{55} / a^{31}, \eta \mathrm{u}^{31} \mathrm{a}^{55} /^{31}, \eta \mathrm{u}^{31} / \eta \mathrm{U}^{55}, n \mathrm{~m}^{55} \mathrm{a}^{55}$
degree, extent, $\mathrm{li}^{33}$
deity, god, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{i} \mathrm{a}^{33}$
deliberately, $\mathrm{ma}^{31} \mathrm{ma}^{31} \mathrm{t}^{h} \mathrm{i}^{55}$
delicate, $\mathrm{n}^{31} \mathrm{~m}^{55} \mathrm{ni}^{33}$
delicious, tasty, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} 1 \varepsilon \mathrm{~m}^{31}$
demand, iau ${ }^{55} t^{\mathrm{p}} \mathrm{h}^{\mathrm{m}} \mathrm{m}^{31}$
depend on, rely on, $\mathrm{ua}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{35}$
depend on, rely on, $\mathrm{nam}^{55} \mathrm{S1}^{31}$
deposit, leave with, gi $n^{35} \varepsilon^{31}$ io $^{33}$
deposit, leave with, $\operatorname{ci}^{31} h \tilde{u}^{55} \varepsilon^{31} \mathrm{io}^{33}$
deposit, leave with, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{~g}^{3}{ }^{35} \varepsilon^{31} \mathrm{io}^{55}$
descend, $\mathrm{il}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{an}^{55}$
descend, $\mathrm{ka}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{ar}^{31} ;-\mathrm{p}^{\mathrm{h}} \mathrm{ar}^{31}{ }^{55}$
descend, cf. fall, $\mathrm{il}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dz} \mathrm{I}^{55}$
descend from a hill, $\mathrm{mo}^{31} \mathrm{gum}^{55} \mathrm{la}^{31} \mathrm{Sl}^{33}$
descend the stairs, $\mathrm{la}^{31} \mathrm{bum}^{55} \mathrm{p}^{\text {h }} \mathrm{ay}^{31}$
descend, land, $\mathrm{a}^{31} \mathrm{~d} \mathrm{a}^{55} \varepsilon^{31} ; \mathrm{a}^{31} \mathrm{dzim}^{55}$
describes a frank and tolerant person, $t \varphi^{\mathrm{h}} \mathrm{uy}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{up}^{31} \mathrm{lu}^{35} \mathrm{lu}{ }^{35}$
describes the unhappy state of indeterminacy, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{gam}^{55} \mathrm{ma}^{31} \mathrm{gam}^{55}$
deserter, iu ${ }^{31} \mathrm{i} \varepsilon \mathrm{m}^{55}$
designing, $\mathrm{s}^{55} \mathrm{se} \varepsilon^{55}$
desk (long and narrow), tcce $\varepsilon^{55} \mathrm{tsw}^{31} \mathrm{tsso}^{31} \mathrm{ts} 1^{55}$ (Ch.)
desk, $\mathrm{ST}^{55} \mathrm{va}^{31} \mathrm{gen}^{55} \mathrm{za}^{55} \mathrm{tca}^{55} \mathrm{tsu}^{31}$
desk, $\mathrm{sa}^{31} \mathrm{la}^{55}$ (Lisu)
desolute, deserted, dzurn ${ }^{35}$ dzun ${ }^{35} \mathrm{ua}^{33}$
destiny, fate, $\mathrm{a}^{31} \operatorname{san}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{am}^{31} \varepsilon^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{55}$
destroy; collapse, $\left.a^{31} p^{h} a\right)^{55} d z i^{31} \varepsilon^{55}$
destroy, wipe out, $\mathrm{s}^{31} \mathrm{ma}^{53} \tilde{\mathrm{u}}^{31}$
detest, $a^{31} d z{ }^{31} n \varepsilon^{55}$
detest; despise, nim ${ }^{31} n_{n} \eta^{55}$
detestable, $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{am}^{55} \mathrm{se}^{31}$

dew, $\mathrm{i}^{55} \mathrm{n}^{2} \mathrm{~m}^{31}$
dewdrop, $\mathrm{i}^{55} \mathrm{n} \varepsilon \mathrm{m}^{53} \mathrm{lum}{ }^{55}$
develop (a career), $\mathrm{ta}^{53} \mathrm{ni}^{33}$
diamond, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{um}^{31} \mathrm{um}^{55}$
diaper, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55} \mathrm{a}^{31} \mathrm{pi}^{31}$
diaper, to, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55} \mathrm{a}^{31} \mathrm{pi}^{31} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
die, to, $\mathrm{Sl}^{31}$
die young, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{un}^{53} \mathrm{ni}^{33} \mathrm{a}^{31} \mathrm{lun}{ }^{55}$
diet, to, $\mathrm{sp}^{31} \mathrm{dan}^{31} \mathrm{~s}_{1} 1^{55}$
difficult, $\left({ }^{( } 1^{31}\right) \mathrm{di}^{31} \mathrm{ca}^{31}\left(\varepsilon^{55}\right)$
diffident, $\mathrm{p}^{\mathrm{h}} \mathrm{Il}^{31} \mathrm{ca}^{31}, \mathrm{x}^{55} \mathrm{ni}^{55} \mathrm{dza}_{1}{ }^{31}$ (Lisu)
$\operatorname{dig}$ (hole), ma $\tilde{a}^{31} u^{31}$
dig out with finger, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{lo}^{33} \mathrm{o}^{35}$
dig up, tct ${ }^{\text {h }} \mathrm{ul}^{31}$
dig, $\mathrm{du}^{55}$
dig, $\mathrm{ma}^{31} \mathrm{u}^{31}, \mathrm{~m} \varepsilon \mathrm{y}^{35}$
dig, $\mathrm{p}^{\mathrm{h}} . \mathrm{I}^{55}$
dig; excavate, $\mathrm{p}^{\mathrm{h}} .11^{55}$
dig; excavate, $\mathrm{Z}_{1} \mathrm{n}^{55} \mathrm{yu}^{31}$
dig; scoop out, $\left.\mathrm{tc}^{\mathrm{h}} \mathrm{u}\right)^{53}$
digest, $\mathrm{dzl}_{\mathrm{l}}{ }^{55}$
dikes, dams, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{on}^{33}$
diligent, $\varsigma^{31} \mathrm{di}^{33} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{35}$
diminuative (DIM), $\operatorname{tG}^{\mathrm{h}} \mathrm{E}^{33}$
dimple, mul ${ }^{31} \mathrm{yam}^{55}$
dining table, $\mathrm{bu}^{55} \mathrm{~d}_{\mathrm{za}}{ }^{31} \mathrm{\varepsilon m}^{55} \mathrm{tca}^{55} \mathrm{tsum}^{55}$
Dioscorea, $\mathrm{tc}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{xo}^{31}$
dip in (ink, sauce), $\left.\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}\right)^{55} \mathrm{u}^{31}$
dip in (ink), cf. soak, steep, džunnu ${ }^{53}$
dipper, wooden, $\mathrm{mu}^{55} \mathrm{~d}_{\mathrm{q}} \mathrm{im}^{31}$
direction, du ${ }^{53}$
directional (DIR), $\mathrm{a}^{31}, \varepsilon^{31} \mathrm{bi}^{55}, \mathrm{a}^{31} \mathrm{da}^{55}$
dirt, $\mathrm{mu}^{31}$
dirty (clothes), nan ${ }^{55} \varepsilon^{31}, \mathrm{~m}^{31} \mathrm{SQ}^{55}{ }^{55}$
dirty (water), $\mathrm{k}^{\mathrm{h}} \mathrm{am}^{55}$
disagreeable, disgusting, $\mathrm{a}^{31} \mathrm{dz1}^{31} \mathrm{n} \varepsilon^{55}$
disagreeable; disgusting, nim ${ }^{31}$ naŋ ${ }^{55}$
disappear, $\mathrm{m}^{31} \mathrm{zun}^{55} \mathrm{ium}^{55}$
disappear, vanish, $\mathrm{uf}^{31} \mathrm{man}^{55}$
disaster, calamity, $\mathrm{dum}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55}$
discouraged, $\mathrm{p}^{\mathrm{h}} \cdot \mathrm{Ji}^{31} \mathrm{co}^{35}$
discouraged, be, nim ${ }^{31}$ dzun ${ }^{55}$
discuss, $\mathrm{a}^{31} \mathrm{gmi}^{55}, \mathrm{t}^{\text {h }} \mathrm{au}^{55} \mathrm{lue}{ }^{55}$ (Ch.)
disease, $\mathrm{a}^{31} \mathrm{dza}^{35} \mathrm{u}^{35}$
disheveled, fuffy, puffy, su ${ }^{31} \mathrm{la}^{35}$ (Lisu)
dislocate, $\mathrm{d}_{\mathrm{z}} \mathrm{u}^{55} \mathrm{lin}{ }^{55}$
disk, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{33} \mathrm{~b} \tilde{\varepsilon}^{55}$
dismiss class, $\mathrm{di}^{31} \mathrm{gan}^{35}$
dismiss school, $\mathrm{fan}^{35}{ }^{3} \mathrm{og}^{31}$
disperse, cause to, $\mathrm{p}^{\mathrm{h}} \mathrm{T}^{55}$
disperse, scatter, $\mathrm{a}^{\mathrm{P} 1} \mathrm{~g} \tilde{\mathrm{a}}^{55} \mathrm{~d} \not \mathrm{z}^{31}{ }^{31} \varepsilon^{33}$
dispose of, $g \varepsilon \varepsilon^{31} u^{55}$
dispute, $\mathrm{a}^{31} \mathrm{di}^{31} \mathrm{go}^{31}, \mathrm{~m}^{31} \mathrm{i}^{31} \mathrm{~m}^{55}$
dispute; argue, $\mathrm{a}^{31} \mathrm{di}^{31} \mathrm{go}^{31}$
dissolve, cause to, duu ${ }^{31} \mathrm{gzl}^{31} \mathrm{u}^{31}$
dissolve, to, $\mathrm{gz} \mathrm{I}^{55}$
distant relatives, $\left.\mathrm{ts}^{\mathrm{h}} \mathrm{q}^{55} \mathrm{zun}\right)^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{zom}^{55}$
distracted, $\mathrm{a}^{31} \mathrm{xua}^{31} \mathrm{~S} 1^{55}$
distressed, $\mathrm{p}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{Gan}{ }^{55}$
district, $¢ \mathrm{En}^{35}$
district, $\mathrm{can}^{53}$
ditch, $\left.\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u}\right)^{31}$
ditch, gully, $\mathrm{di}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31}$
ditch, $\mathrm{k}^{\mathrm{h}} \varepsilon^{31} \mathrm{la}^{31} \mathrm{k}^{\mathrm{h}} u \eta^{31}$
ditch, cannal, $\left(\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{35}\right) \mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}} 1^{55}$
dive, to, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ya}^{55} \mathrm{duv}^{53} \mathrm{bur}^{31} \mathrm{lin}^{55}$
divide, distribute (grains, cereal), $\mathrm{a}^{31} \mathrm{ven}^{55}\left(\mathrm{nu}^{31}\right)$
divine, to, di ${ }^{31} \mathrm{x} \varepsilon \mathrm{n}$ ?
divorce, to, $a^{31} \mathrm{k}^{\mathrm{h}} \mathrm{an}{ }^{55}$
dizzy, $\mathrm{a}^{31} \mathrm{xua}^{35}$
do business, $\mathrm{Po}^{31} \mathrm{la}^{55} \mathrm{ua}^{31}$
do manual labor, $\mathrm{la}^{31} \mathrm{ma}^{55} \mathrm{ua}^{31}$
do, make, $s 1^{31} \tilde{a}^{35}$, ua $^{33}$
do not feel well, $\mathrm{z} 1^{31} \mathrm{gu}^{31} \mathrm{~m}^{31} \mathrm{san}^{55}$
doable, okay, possible, $\mathrm{da}^{55}$
doctor, $\left(\mathrm{zo}^{55}\right) \mathrm{n} \varepsilon^{55}$

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doctor, \(n \varepsilon^{55} t^{\mathrm{h}}{ }^{31}{ }^{31} \mathrm{Ju}^{31} \mathrm{mun}^{55} \mathrm{su}^{55}\)
done, accomplished, \(\mathrm{da}^{53}\)
\(\operatorname{dog}\) (female), \(\mathrm{d}^{31} \mathrm{~g} \mathrm{Il}^{55} \mathrm{ma}^{55}\)
\(\operatorname{dog}\) (male), \(\mathrm{d}^{31} \mathrm{~g} \mathrm{~g}_{1}^{33} \mathrm{p}^{\mathrm{h}} \mathrm{ur}^{31}\)
\(\operatorname{dog}\) food, \(\mathrm{d}^{31} \mathrm{grl}_{1}{ }^{55} \mathrm{dza}^{55}\)
dog tail, \(\left.\mathrm{da}^{31} \mathrm{~g} \cdot \eta^{31} \mathrm{ba}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}\right)^{55}\)
\(\operatorname{dog}, \mathrm{d} \varepsilon^{31} \mathrm{~g} .1^{55}\)
dog, rabid, \(\mathrm{d} \varepsilon^{31} \mathrm{~g} 1^{55} \mathrm{a}^{31}\) xuan \({ }^{35}\)
dog, young, \(\mathrm{d} \varepsilon^{31} \mathrm{~g}_{1} 1^{33} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}\)
dolichos, creeping edible bean, \(\mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{Z}_{5}^{55}\)
dollar, \(\mathrm{i}^{31} \mathrm{i} \tilde{\varepsilon}^{31}\) (Ch.); \(\left(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{lay}^{55}\right)\) ni \({ }^{31} \mathrm{i} \tilde{\varepsilon}^{31}\)
dollar, \(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{lan}^{55}\)
dome, \(\mathrm{di}^{31} \mathrm{ca}^{31}\)
domestic animals; livestock, \(\mathrm{i}^{31} \eta\left(\eta^{31}\right.\)
Don't move! \(\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{\eta} \varepsilon \mathrm{n}^{55} \mathrm{~s} \mathrm{~s}^{31}\)
Don't stand on ceremony! \(\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{mum}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{31}\)
Don't take offence! \(\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{zal}^{31} \mathrm{~g} .2 \mathrm{n}^{55}\)
don't, \(\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31}\)
donkey, ass, \(\mathrm{t}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{la}^{55} \mathrm{mu}^{31}\)
door bolt, \(\left.\mathrm{la}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{un}\right)^{55} \mathrm{t}^{\mathrm{h}} 1^{31} \mathrm{z} 1^{55} \mathrm{~d}^{5} \mathrm{~m}^{55}\)
door planks, \(\mathrm{la}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{my}{ }^{55} \operatorname{lan}^{31}\)
door, back, \(\mathrm{la}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{my}^{55} \mathrm{ian}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{53}\)
door curtain, \(n a^{31} t \epsilon^{h} u \eta^{55} t^{h} a 1^{53}\)
door frame = front door, \(\operatorname{la}^{31} t^{h} \mathrm{wn}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u} \tilde{a}^{31}\)
door, front; gate, \(\mathrm{la}^{31} \mathrm{tch}^{\mathrm{h}} \mathrm{ur}{ }^{55} \mathrm{ma}^{55} \mathrm{su}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{53}\)
door, \(l^{31} t^{h} \mathrm{H}^{\mathrm{h}}{ }^{55}, \mathrm{na}^{31}\)
door, \(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}\) bum \({ }^{35}\)
doorkeeper, \(n a^{31} t \epsilon^{h} u \eta^{55} t^{h} i \varepsilon \eta^{31}\) su \(^{55}\)
doorsill, \(\left.\mathrm{la}^{31} \mathrm{t} \mathrm{t}^{\mathrm{h}} \mathrm{un}\right)^{55} \mathrm{k}^{\mathrm{h}} \mathrm{um}^{31}\)
doorsill, step over, \(\mathrm{ld}^{31} t \mathrm{c}^{\mathrm{h}} \mathrm{un} \eta^{55} \mathrm{k}^{\mathrm{h}} \mathrm{um}^{31} \mathrm{Ca}^{55} \mathrm{bul}^{31} \mathrm{n}^{55}\)
doorway, \(\left.\operatorname{la}^{31} t^{\mathrm{h}} \mathrm{u}\right)^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u} \tilde{a}^{31}\)
doorway; entrance, \(\mathrm{la}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{un}^{55} \mathrm{ma}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{um}^{31}\)
dose of medicine, \(n \varepsilon^{55} \mathrm{~s}^{\mathrm{h}} \mathrm{q}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{35}\)
double crown of the head, \(1 a^{31} p^{h} u \eta^{55} a^{31} n i^{31} k^{h} o^{31} z \eta^{55} / \mathrm{q}^{5} n^{55}\)
double-edged fine-tooth comb, \(\mathrm{a}^{31} \mathrm{~s}^{55} \mathrm{bu}^{31} \mathrm{dzal}^{55}\)
doubt, \(\mathrm{xu}^{31} \mathrm{ni}^{31}\)
doubt, suspect, liu \({ }^{35}\)
down, zom \({ }^{35}\)
dowry, \(1 \varepsilon^{31} \mathrm{se}^{55} \mathrm{dza}_{1}{ }^{55} \mathrm{u}^{31}\)
downstairs, \(\mathrm{la}^{31} \mathrm{bur}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{31}\)
doze off, \(\mathrm{nim}^{55} \mathrm{iu}{ }^{33}\)
doze off, \(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{bumm}^{31}\)
draft soldiers, iut \({ }^{31} \mathrm{la}^{55} \varepsilon^{55}\)
drag for, dredge up, ts \(^{\mathrm{h}} \mathrm{i}^{31} \mathrm{u}^{31}\)
drag feet in walking, \(\mathrm{xo}^{31}{ }^{3} 1^{55}\)
dragon, lan \({ }^{55}\)
dragon, lu \({ }^{31}\)
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dragon bamboo, \(\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ua}^{55}\)
dragonfly, \(\mathrm{da}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{tç}^{55} \mathrm{gun}^{55}\)
drape over shoulders (top coat), \(\mathrm{ua}^{55}\) (Lisu)
draw (a line), \(\mathrm{y}^{31}\) buy \({ }^{55} \mathrm{a}^{31} \mathrm{zu}^{55} \mathrm{u}^{31}\)
draw (curtain), go \(^{31}{ }^{10}{ }^{55} \mathrm{~d} \not \mathrm{zan}^{55}\)
draw (picture), \(\mathrm{n}^{31} \mathrm{bul}^{55} \mathrm{a}^{31} \mathrm{zu}^{55} \mathrm{u}^{31}\)
draw (picture), xua \(^{35}\)
draw (water) from the well, \(\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55}-\mathrm{san}^{31}\)
draw (water), can \({ }^{31}\)
draw (water), cin \(^{31}\)
draw out (lots), \(\mathrm{a}^{31} \mathrm{se}^{55}\)
draw out, stretch, \(\mathrm{ua}^{55} \mathrm{ian}^{31} \operatorname{San}^{31}\)
draw out, take out, \(\mathrm{a}^{31} \mathrm{se}^{55} ; \operatorname{cu}^{55} \mathrm{se}^{55}\)
dream (n.) (v.), man \({ }^{55}\), man \(^{55}\)
dream, to, \(\mathrm{man}^{55} \mathrm{man}^{53} \mathrm{u}^{31}\)
dredge a river, \(\mathrm{ba}^{31} \mathrm{si}^{31} \mathrm{u}^{31}\)
dregs, residue, \(\$ 1^{55} \mathrm{t}^{\mathrm{h}} \mathrm{mn} n^{31}\)
dregs, residue, \(1 o^{55} \mathrm{n}_{\mathrm{m}}{ }^{31} \mathrm{duc}^{31} \mathrm{tc}^{\mathrm{h}} \varepsilon^{55}\)
dregs, residue, \(\mathrm{r}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{um}^{31} \mathrm{za}^{55}\)
drench (rain), ?dzam \({ }^{55}\)
drenched, \(\mathrm{iu}{ }^{53} \mathrm{a}^{31} \mathrm{da}^{33}\)
dress up, \(\mathrm{a}^{31} \mathrm{~b} .1_{1}^{55} \mathrm{~S}_{1}^{55}\)
dress up the hair, \(\mathrm{a}^{31} \mathrm{n}_{\mathrm{i}}{ }^{33} \mathrm{xuan}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{~S} \mathrm{l}^{31}\)
dried up by the wind, \(\mathrm{su}^{55} \mathrm{Pd} \not \mathrm{z} \varepsilon^{35}\)
drill (hole), ( \(\mathrm{su}^{55} \mathrm{u}^{31}\) ) \(\mathrm{bu}^{31} \operatorname{lin}^{55}\)
drill; bore, to, \(S_{0}{ }^{55} ; \operatorname{cum}^{55} \mathrm{u}^{31} \mathrm{iu}{ }^{55} ; \mathrm{ium}^{53} \mathrm{u}^{31}\)
drink (liquid), \(n \varepsilon^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31} \mathrm{Pan}^{55}\)
drink (water), \(a \eta^{53}\left(\mathrm{u}^{31}\right), a \eta^{55}\)
drink ( n .), \(\mathrm{an}^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}\)
drip; dribble, \(t^{h} \mathrm{a}^{31} \mathrm{na}^{35} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{o}^{55}\)
drive a car, \(\mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{xua}^{31} \mathrm{o}^{55}\)
drive out, expel, \(\mathrm{za}^{31} \mathrm{u}^{31}\left(\mathrm{sa}^{31} \mathrm{u}^{31}\right)\); \(\mathrm{sa}^{31} \mathrm{bo}^{33}\)
drive out, expel, \(\mathrm{sa}^{31} \mathrm{bo}^{33}\)
driver, \(m a^{55}\) ts \(^{h} e^{55} \mathrm{k}^{\mathrm{h}} \varepsilon \eta^{55} \mathrm{su}^{55}\)
drizzle, ts \({ }^{\text {h }}{ }^{55} l \varepsilon^{55} l \varepsilon^{55} \mathrm{dzan}^{55}\)
drop (downward), \(\mathrm{a}^{53} \mathrm{t}^{\mathrm{h}} \mathrm{o}^{55} ;\left(\mathrm{ts}^{\mathrm{h}} 1^{55} \mathrm{a}^{31}\right) \mathrm{t}^{\mathrm{h}} \mathrm{o}^{55} \varepsilon^{55}\)
drop, to, \(\mathrm{Pa}^{31} \mathrm{~s}^{31}\)
drop, to, \(\mathrm{Pa}^{31} \mathrm{~d}_{\mathrm{c}} \mathrm{a}^{53}\)
drop, to, \(\mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{~S} 1^{55}\)
dropsy, gan \({ }^{55}\)
drought, \(\mathrm{mu}^{55} \mathrm{ba}^{31} \mathrm{~S} 1^{31} \mathrm{bon}^{55} \varepsilon^{31}\)
drown, to, dzuy \({ }^{55}\)
drum, \(\mathrm{ku}^{53}\)
drunk, \(\mathrm{vi}^{55} \mathrm{u}^{31}\)
dry (clothes) in sun, \(\mathrm{lam}^{53} / \mathrm{fam}^{53}\)
dry (clothes), \(\mathrm{y}^{31} \mathrm{ga}^{55}\)
dry by fire (clothes), du \({ }^{31} \mathrm{ga}^{55}\)
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dry in sun, $\left.3 \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \varepsilon\right)^{55} \varepsilon^{31}$
dry measure $=$ one decaliter, dur ${ }^{33}$
dry, cause to, $\mathrm{s} 1^{31} \operatorname{ga\eta } \mathrm{P}^{55} / \mathrm{s} 1^{31} \operatorname{kan} \mathrm{P}^{55}$
dry, drought, num ${ }^{33}$ g $\tilde{\varepsilon} y^{55}$
dry, su ${ }^{33}$
drying terrace, $\mathrm{dza}^{55} \mathrm{ya}^{31}$
drying yard, $\mathrm{da}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{~d} \not \mathrm{z}^{2} \eta^{31}$
duck, water, $\mathrm{Pi}^{55} \mathrm{bu}{ }^{31}$ (Lisu)
duck, $\mathrm{Ti}^{55} \uparrow \tilde{\varepsilon}^{35} ; \mathrm{Ra}^{55}$
duck's egg, $\widetilde{\varepsilon}^{55} \tilde{\varepsilon}^{55} 1 \mathrm{lim}^{31}$
dug out area for cooking, $\mathrm{mu}^{31} \mathrm{zam}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{un}^{55}$
dull (knife), $\mathrm{m}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{31}$
Dulong person, $\mathrm{ma}^{55} \mathrm{ts}^{\mathrm{h}} \varepsilon^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ (Lisu)
Dulong, $\mathrm{ma}^{55} \mathrm{ts}^{\mathrm{h}} \varepsilon^{31} \mathrm{ts}^{\mathrm{h}} 1^{55}$
dumb person, $\mathrm{di}^{31} \mathrm{bay}^{55} \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ar}^{31}$
dumb; mute, $\mathrm{di}^{31} \mathrm{ban}^{55}$
dumpling, round, $\mathrm{pa}^{55} \mathrm{ts} 1^{33} ; \mathrm{pau}^{55} \mathrm{ts}^{33}<\mathrm{Ch}$.
dun for money, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55} \varepsilon^{55}$
dung beetle, $\mathrm{ba}^{55} \mathrm{yua}^{33}$
dung; excrement, $\mathrm{ni}^{55} / \mathrm{ni}^{53}>\mathrm{ni}^{33}$
durable, do ${ }^{55}$
dusk, $\mathrm{dum}^{31} \mathrm{a}^{31} \mathrm{i}^{35}, \mathrm{du}^{55} \mathrm{Iom}^{31}$
dusk, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{ku}^{55}$
dust (collected as in spider webs), $\mathrm{ma}^{55}$ gui ${ }^{31}$
dust basket (sweep into); winnowing fan or tray, $\mathrm{la}^{55} \mathrm{ba}^{55}$
dust cloth, $\mathrm{mi}^{55} \mathrm{du}^{31}$
dust, $\mathrm{Sl}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{n}^{31}, \mathrm{n}^{31} \mathrm{~S} 1^{33}$
dust, to, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{u}^{31} ; \mathrm{ba}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{q}^{53}$
dust; dirt, ts $^{\text {h }} \mathrm{a}^{31} \mathrm{bi}^{31}$
dye (cloth), to, $\mathrm{a}^{31} \mathrm{nna}^{31}$
dye (cloth), to, $a^{31} n \varepsilon 1^{35} u^{31}$
each one, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{io}^{55} \mathrm{gu}^{31}$
each, every one, $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{31} \mathrm{Po}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{mu}{ }^{55}$
each, every, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}-,-\mathrm{num}^{31} \mathrm{gum}^{55}$
ear hole, $a^{31} n^{31} k^{h} u \tilde{a}^{31}$
ear lobe, $\mathrm{a}^{31} \mathrm{na}^{31} \mathrm{cam}^{55}$
ear of millet, $n \varepsilon \mathrm{~m}^{55}$
ear pendant, $\mathrm{a}^{31} \mathrm{na}^{31} \mathrm{ben}^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
ear, $\mathrm{a}^{31} \mathrm{na}^{31}$
ear, inner, $\mathrm{a}^{31} \mathrm{na}^{31} \mathrm{duy}^{55} \mathrm{a}^{31}$
early (get up), $\mathrm{m}^{31} \mathrm{ga}^{55} \mathrm{ga}^{55}$
early in the morning, $\left(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}\right) \mathrm{san}^{33}$
early, $\mathrm{n}^{31} \mathrm{ga}^{55} \mathrm{ga}^{55}$
earring hole, $\mathrm{a}^{31} \mathrm{na}^{31} \mathrm{im}{ }^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u} \tilde{a}^{31}$
earrings, $\mathrm{ni}^{\mathbf{3 1}} \mathrm{go}^{33}$
earth bean, hẽy ${ }^{55} \mathrm{gll}^{55}$
earth spirit, $a^{31} \operatorname{dam}^{31} p^{h} u^{31} i^{3}{ }^{33}$
earth surface; land, $\operatorname{la}^{31} \mathrm{ma}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55}$
earth, dirt, $\mathrm{mu}^{55} ; \mathrm{mu}^{31}$
earth, $\mathrm{la}^{31} \mathrm{ma}^{55}$
earth, soil, $\mathrm{a}^{31} \mathrm{sa}^{55}$
earthen jar, $t^{\text {h }}{ }^{5} \eta^{55}$
earthquake, $m u^{31} \mathrm{a}^{31} n^{n} \mathrm{~m}^{55}$
earthworm, $\mathrm{bul}^{31} \mathrm{Iol}^{31}$
earwax, $a^{31} n^{31} \mathrm{gu}^{55} \operatorname{tc}^{\mathrm{h}} \mathrm{in}^{55}$
east wind, nem ${ }^{31} \mathrm{k}^{\mathrm{h}} u \tilde{a}^{55} \mathrm{na}^{31} \mathrm{bu}^{31}$
east, $n \varepsilon m^{31} \operatorname{ts}^{\mathrm{h}} \varepsilon^{55} \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{31}$
east, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{t} \mathrm{c}^{\mathrm{h}} \varepsilon \eta^{55}$
easy, comfortable, $\$ 1^{31} s \tilde{a}^{33} \varepsilon^{31}$
easy, $\mathrm{ua}^{55} \mathrm{san}^{55}$
easy, san ${ }^{55}$
eat, $\varepsilon \mathrm{m}^{53}$
eavesdrop; listen, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ma}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{o}^{33} ; \mathrm{t}^{\mathrm{h}} \mathrm{o}^{53}$
eaves, $\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{pu}^{55}$
edges of a field, $1 \mathrm{la}^{31} \mathrm{ma}^{55} \mathrm{dza}^{31}$
edible fungus (wood ear in Chinese), $\mathrm{mul}^{31} \mathrm{gun}^{55}$
edible shoots of a water vegetable, $\mathrm{ni}^{31} \mathrm{ua}^{31} \mathrm{gzal}^{55}$
edible shoots of a water vegetable, $\mathrm{bi}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31}$
education, $\operatorname{tca}^{35} \mathrm{io}^{31}$
eel, nua ${ }^{55} \mathrm{bu}^{31}$
egg ( $\mathrm{c}^{\mathrm{h}}$ icken, etc.), $\lim ^{53} /^{31}, \mathrm{Po}^{31} \lim ^{31}$
egg (lay), $\lim ^{31}, \lim ^{35}$
egg white, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \lim ^{31} \mathrm{sa}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55}$
egg yolk, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \lim ^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ num ${ }^{55}$
egg, bird, $\mathrm{t}_{6}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{lim}^{53}$
egg (chicken), ( $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ ) $\lim ^{53}$
egg, duck, ${ }^{31}{ }^{55} \tilde{\varepsilon}^{35} \mathrm{lim}^{53}$
egg, $\mathrm{io}^{31} \lim ^{31}$
eggplant, $\mathrm{xa}^{55} \mathrm{gu}^{31} \mathrm{du}^{31} \mathrm{sur}^{31}$
eggshell, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \lim ^{53} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{55}$
eight, ( $\left.\mathrm{da}^{53} \mathrm{u}^{31}\right) \varphi \varepsilon \mathrm{n}^{55}, \mathrm{he}^{53}$ (Lisu)
eighth, $\mathrm{ti}^{35} \mathrm{pa}^{31}$ (Ch.)
eighth earthly branch (ram), $a^{31} \mathrm{be}^{55}{ }^{n}$ mun ${ }^{55}$
eightteen, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{c}_{\mathrm{c}} \mathrm{n}^{55}, \mathrm{ts}^{\mathrm{h}}{ }^{31} \mathrm{he}^{53}$ (Lisu)
eighty, $6 \varepsilon n^{55}{ }^{\text {ts }}{ }^{\text {h }} \mathrm{a}^{55}$
either...or..., $1 \varepsilon^{55} \mathrm{za}^{33} \mathrm{a}^{33}$
elbow bone, $\mathrm{a}^{31} \mathrm{vu}^{35} \mathrm{duy}^{55}$
elbow, $\mathrm{a}^{31} \mathrm{vu}^{35} \mathrm{dum}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{an}^{55}$
elbow, nudge, $\mathrm{a}^{31} \mathrm{vu}^{35} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ni}_{\mathrm{i}}{ }^{55} \mathrm{do}^{31} \mathrm{o}^{55}$
elder brother's wife, $\mathrm{ma}^{55} \mathrm{la}^{31}$ (Lisu)
elder generation, $\left.\mathrm{ua}^{55} \mathrm{sa}^{31} \mathrm{di}^{31} \mathrm{ts} \mathrm{h}^{\mathrm{h}} \mathrm{m}\right)^{55}$
elder sister's husband, $\mathrm{p}^{\mathrm{h}} \varepsilon^{31}$
elders, $\left.a^{31} c^{35} \mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{m}\right)^{55}$
elect, to, $\mathrm{a}^{31} \mathrm{sen}^{31} ; \mathrm{p}^{\mathrm{h}} \varepsilon^{31}$ (Lisu <Ch.)
elect; select, $\mathrm{a}^{31} \mathrm{sen}^{31}$
electric light, tian ${ }^{55} \operatorname{tun}^{55}$, $\operatorname{tian}^{55} \operatorname{tun}^{55}$ (Ch.)
elephant, $\mathrm{mo}^{33} \mathrm{gu}^{33}$ (Lisu)
eleven, $\left.\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}, \mathrm{ts}^{\mathrm{h}}\right)^{31} \mathrm{ti}^{55}$ (Lisu)
eleventh, $\mathrm{da}^{53} \mathrm{u}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} ; \mathrm{ti}^{35} \mathrm{~s}^{31} \mathrm{i}^{31}$ ?
eleventh day of lunar month, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ni}^{33}$
eleventh earthly branch ( dog ), $\mathrm{d}^{31} \mathrm{gdi}^{33} \mathrm{n}_{\mathrm{n}} \mathrm{m}^{55}$
elope, $a^{31} t s^{h} \mathrm{ar}^{31}$ i $\varepsilon n^{55}$
embankment, $\mathrm{ts}^{\mathrm{h}} 1^{55} \mathrm{dom}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{dom}^{31}$
embankment, dam, da $^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u} \eta^{31}$
embrace, hug, $\mathrm{u}^{31} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{o}^{55} ; \mathrm{Pa}^{31} \mathrm{t}_{6} \mathrm{o}^{55} \mathrm{o}^{31} ; \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{o}^{55}$
embroider (flowers), $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{a}^{33}$
embryo in uterus, $\lim ^{31}$ (egg)
emit silk, $\mathrm{y}^{31} \mathrm{mu}^{31} \mathrm{zang}^{53}$
emit, give off, lay ${ }^{53}$
empty out (dirt), ts ${ }^{\text {h }} u^{55}$
empty, $\mathrm{d}^{31} \mathrm{gan}^{55}>\mathrm{da}^{31} \mathrm{gã}^{55}$
enamelware, $\mathrm{ia}^{31} \mathrm{u} \tilde{a}^{55}$ (Ch.)
enclose in a bamboo fence, dze ${ }^{55} \mathrm{t}_{6} \mathrm{O}^{55}$
enclosed area, $\mathrm{ma}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{am}^{53}$
enclosing wall, So $^{55}$
end, $\mathrm{Pd} \not \varepsilon^{31} \varepsilon^{33}$
end, d $7_{4}{ }^{55}{ }^{5} \tilde{\mathrm{o}}^{31}$
end of the month, $\left.s 1^{31} \mathrm{la}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a} \mathrm{\eta}\right)^{31}$
end of the year, $o^{31} n u m n^{55} t^{h} d \eta^{33}$
end; ending, $\mathrm{Pl}^{31} \mathrm{dar}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{ar}^{55}$
endure, be patient, $\mathrm{dzu}^{31} \mathrm{se}^{55} ; \mathrm{dzul}^{31} \mathrm{~s}^{55}$
enemy, $\mathrm{ti}^{31} \mathrm{zum}^{31}$
enemy, $\mathrm{mu}^{31} \mathrm{io}^{53} \mathrm{ts}^{\mathrm{h}} \mathrm{al}^{53}$
enemy (personal), dzi ${ }^{55} \mathrm{dza}^{55}$
enjoy coolness, $\mathrm{di}^{31} \mathrm{fri}^{55}{ }^{55} \mathrm{~S}^{31}$
enjoy happiness, $\mathrm{sa}^{55} \mathrm{P} \not \mathrm{dz} \varepsilon^{35}$
enough, adequate, $\mathrm{a}^{31} \mathrm{du}^{31}$
enough, qui ${ }^{55}$
enough, $z_{1} \mathrm{n}^{55} \mathrm{z}_{1} \mathrm{n}^{55}$
enroll, register, bun ${ }^{31} \mathrm{a}^{31} \mathrm{zu}^{53}$
ensiform bean, $\mathrm{no}^{55} \mathrm{kua}^{31} \mathrm{la}^{31}$
entertain a visitor, $\mathrm{mu}^{31} \mathrm{n}_{\mathrm{n}} \mathrm{m}^{35} \mathrm{da}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$
entrance to a road or street, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55}$
entrust, delegate, $\mathrm{di}^{31} \mathrm{ba}^{55}$
envelopes, $\mathrm{s}^{55} \mathrm{va}^{31} \mathrm{da}^{31} \mathrm{gul}^{55}$
envy, $\operatorname{nim}^{31} \mathrm{z}^{35} \mathrm{u}^{31}$
envy, $\mathrm{mi}^{31} \tilde{\mathrm{u}}^{55}$
epilepsy, $\mathrm{ni}^{31} \mathrm{t} \mathrm{S}_{1}^{35} \mathrm{~S}_{\mathrm{a}} \mathrm{n}^{35}$
eraser, $\epsilon a \eta^{35} \mathrm{p}^{\mathrm{h} \mathrm{i}^{31}}$
escape, to, i\& $\mathrm{n}^{55}$
esophagus, $\mathrm{a}^{31} \mathrm{grl}^{31} \mathrm{man}^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55} \mathrm{bun}^{55}$
estimate, appraise, $\mathrm{da}^{31} \mathrm{Xan}^{55} \mathrm{u}^{31}, \mathrm{ku}^{55} \mathrm{tci}^{31}$ (Ch.)
even, including, $\mathrm{ta}^{55} \mathrm{ti}^{55}$
evening, ta $^{55} \mathrm{ti}^{55}$
evening (this), $\mathrm{a}^{31} \mathrm{~S}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
evening (tomorrow evening), $\mathrm{a}^{31} \mathrm{p}^{h} \mathrm{u}^{55} \mathrm{n}_{\mathrm{o}} \mathrm{i}^{31} \mathrm{~S}_{1}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
evening star, $\mathrm{k}^{\mathrm{h}} \mathrm{w}^{31} \mathrm{ku}^{55}$ (Lisu)
evening, $\mathrm{a}^{31} \mathrm{~S}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
evening, this, $\mathrm{d} \varepsilon^{55} \mathrm{~S}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{d}^{55}$
every, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
every day, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{n}_{\mathrm{i}} \mathrm{i}^{33} \mathrm{ma}^{31} \mathrm{nd}^{33}, \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{nd}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{nd}^{33}$
every day, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{nd}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{nd}^{33}{ }^{33}$
every day, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{n}_{\mathrm{i}} \mathrm{i}^{33} \mathrm{ma}^{31} \mathrm{n}_{\mathrm{i}}{ }^{33}$
every night, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ian}^{55} \mathrm{ma}^{31} \mathrm{ian}{ }^{55}, \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ian}{ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ian}{ }^{55}$
every other day, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{nd}^{31} \mathrm{di}^{31} \mathrm{xan}^{31} \tilde{\mathrm{u}}^{31}$
every year, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ numy ${ }^{55} \mathrm{gu}^{55}$
everybody, $a^{31} d a \eta^{55}$
everyone, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ io $^{55}$
everyone, all, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{io}^{55} \mathrm{io}^{55}$
everyone, all, $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{31} \mathrm{Po}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{mu}^{55}$
everywhere, $k^{h} a^{55} k^{h} a^{31}$
ewe, $\mathrm{a}^{31} \mathrm{ian}^{31} \mathrm{ma}^{33}$
exactly, $\mathrm{ka}^{53}$
examination, test, $\mathrm{di}^{31} \mathrm{dzan}^{31} \varepsilon^{33}$ (verb), $\mathrm{k}^{\mathrm{h}} \mathrm{au}^{55} \mathrm{~S} 1^{35}$ (Ch.)
examine disease, $n \varepsilon^{55} \mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{Zu}^{31} \mathrm{mum}^{31} \mathrm{~S} \mathrm{l}^{55}$
example, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{li}^{35}$ nur $^{31}$, $\mathrm{ti}^{55} \mathrm{yu}^{31}$ (Lisu)
exchange, to, $\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{31}$
excrement, shit, $\mathrm{ni}^{55}, \operatorname{ta}^{35} \mathrm{f} \tilde{u}^{35}$ (Lisu)
Excuse me! tue ${ }^{35} \mathrm{pu}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{53}$
execute by shooting, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{n} \varepsilon^{55} \eta \mathrm{O}^{31}$
executioner, $a^{31} \operatorname{ts}^{h} \mathrm{an}^{31} \operatorname{sun}^{55} \mathrm{su}^{55}$
exert all one's strength, $\mathrm{ba}^{31} \mathrm{~S} 1^{31} \operatorname{man}_{0}^{55} \mathrm{~S} 1^{31}$
exhortative (EXH), la ${ }^{35}$ (urging, warning, etc.)
exist, to, gien ${ }^{35}$
expand, swell, bo ${ }^{55} \mathrm{Pd} \not \subset \varepsilon^{55}$
expand, swell, ba ${ }^{55}$
expand, swell; inflate, $\operatorname{tul}^{31} \mathrm{Ia}^{55} \mathrm{u}^{31}, \mathrm{dz} \mathrm{a}^{31}$ (Lisu)
expel, get rid of, $\mathrm{k}^{\mathrm{h}} \tilde{\mathrm{a}}^{31} \tilde{\mathrm{u}}^{31}$
expel, sa ${ }^{31}$ bo $^{33}$
expenses, dzum ${ }^{31}$ bo $^{55}$
expensive, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} ; \mathrm{k}^{\mathrm{h}} \underline{a}^{55}$
expensive, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{35} \varepsilon^{35}$
experience, $\mathrm{li}^{31} \mathrm{li}^{53}$
expert, $\mathrm{a}^{31} \mathrm{dan}^{55} \mathrm{So}^{53}$
explode, xom $^{55}$
explode, bo $^{55}{ }^{5} \mathrm{dza}^{35}$
extinguish, put out, $\mathrm{tc}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{pin}^{55} ; \mathrm{tc}^{\mathrm{h}} \mathrm{y}^{55} \mathrm{n}_{\mathrm{nin}}{ }^{53}$
extinguish; put out, $\mathrm{p}^{\mathrm{h}} \mathrm{m}^{31} \mathrm{i} \varepsilon^{31}$
extol one's extol, $\mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ay}^{31} \mathrm{se}^{55}$
extract oil, $\mathrm{Pa}^{31} \mathrm{~d}_{\mathrm{c}} \mathrm{a}^{33}$
extract oil by heating, $\mathrm{di}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$
extravagant, $\mathrm{m}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{55}, \mathrm{ra}^{35}$ fei $^{35}$ (Ch.)
extravasted blood, $\mathbb{S}^{31}{ }^{11} s^{\mathrm{h}} 1^{31} \mathrm{lu}^{55}$
eye of needle, $v a m^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u} \tilde{g}^{31}$
eye socket, $n i^{55} \mathrm{k}^{\mathrm{h}} u \tilde{a}^{31}$
eye socket, nii ${ }^{55} l u \eta^{55}\left(\right.$ dul $\left.^{55}\right)$
eye, $\mathrm{ni}^{\mathrm{i}}{ }^{55}$ lun ${ }^{55}$
eye, white of, $\mathrm{ni}^{i 5}{ }^{55} \mathrm{lu}^{55} \mathrm{ba}^{33}$
eyeball, $\mathrm{ni}^{55} \mathrm{lu} \mathrm{\eta}{ }^{55} \mathrm{bu}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{un}{ }^{25}{ }^{55}$
eyebrow; brow, $\mathrm{mã}^{55} \mathrm{di}^{31} \mathrm{gan}^{55} \mathrm{~min}^{55}$
eyebrow, $\mathrm{n}_{2} \varepsilon^{55} \mathrm{ku}^{55}$ (Lisu)
eyebrow, $n \varepsilon^{55} \mathrm{li}^{55}$
eyelash, $\mathrm{ni}^{55}{ }^{55} \mathrm{lu}^{55} \mathrm{~min}^{55}$
eyelid, $\mathrm{ni}^{55} \mathrm{sam}^{31}$
eyelid, double, $\mathrm{ni}^{55} \mathrm{lum}^{55} \mathrm{sam}^{31} \mathrm{a}^{31} \mathrm{ni}^{33}{ }^{6} \mathrm{i}^{31} \mathrm{lim}^{55}$
eyelid, single, $\mathrm{ni}^{55}{ }^{5} \mathrm{lu}^{55} \mathrm{sam}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}{ }^{6} \mathrm{i}^{31} \mathrm{lim}^{55}$
eyesight, blurred, $\mathrm{ni}^{\mathrm{i}^{5}} \mathrm{t}_{\mathrm{h}} \mathrm{h}^{31} 1 \varepsilon \mathrm{~m}^{31}$
face (east), $n \varepsilon m^{31} \mathrm{ts}^{\mathrm{h}} \varepsilon^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{53}$
face (north), $n \varepsilon m^{31} \mathrm{~d}_{\mathrm{s}} \mathrm{im}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{53}$
face (south), ts ${ }^{\mathrm{h}} 1^{31} \mathrm{ni}_{\mathrm{i}}{ }^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{53}$
face (west), $\mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31} \mathrm{bo}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{53}$
face powder, $\mathrm{ma}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
face upward, go $^{55} \mathrm{la}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{33}$
face-to-face, $\mathrm{ma}^{55} \mathrm{di}^{31} \mathrm{gum}^{55}$
face, mã ${ }^{55}$
facinated, be, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{mu}^{53} \mathrm{a}^{31} \mathrm{ba}^{55}$
facing of quilt, $s 1^{31} d u \eta^{31} \mathrm{du}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{~d}^{5} \mathrm{~m}^{55}$
factory worker, $\mathrm{kuy}^{55} \mathrm{zun}^{31}$
factory, $\mathrm{ku}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{ay}^{53}$
fade of colors, $\mathrm{can}^{31} \varepsilon^{55}$
fail, be wrong, $\mathrm{ma}^{55} \mathrm{du}^{31} \mathrm{dza}{ }^{31}$
fail, lose (= not win), $\mathrm{m}^{31} \mathrm{~d} \mathrm{zo}^{31}$
fair weighing, $a^{31} i^{55}{ }^{5} \mathrm{lu}^{55} \varepsilon^{55}$
fair, just, impartial, $\mathrm{n}^{31} \mathrm{sa}^{31}$ xan $^{55}$
fake, $\mathrm{si}^{31} \mathrm{di}^{55} \mathrm{~mm}^{31} \mathrm{Za}^{55}$
fall (hail), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$ ven $^{31} \mathrm{lu}^{55} \mathrm{dzan}^{55}$
fall (hail), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{v} \mathrm{\varepsilon n}^{31} \mathrm{ka}^{55} \mathrm{ci}^{55} \mathrm{Ra}^{31} \mathrm{~d}_{\mathrm{q}} \mathrm{a}^{53} \mathrm{di}^{33}$
fall (of tears), $\mathrm{a}^{31} \mathrm{su}^{35}$
fall (rain, hail, snow), dzan ${ }^{55}$
fall (rain), $\mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31} \mathrm{dzay}{ }^{55}$
fall (snow), dzan ${ }^{55} \mathrm{t}^{\text {h }}{ }^{31} \mathrm{ven}^{31} \mathrm{uq}^{33}$
fall asleep, $\mathrm{nim}^{55} \mathrm{ium}^{31}\left(\mathrm{~d} \not \varepsilon^{31} \varepsilon^{31}\right)$
fall asleep, $\mathrm{nim}^{55} \mathrm{im}^{31} \mathrm{~d} \not \varepsilon^{31} \varepsilon^{31}$
fall down (tree, wall), $\operatorname{dim}^{31}\left(\mathrm{dzi}^{31} \varepsilon^{31}\right)$
fall down (tree), $\mathrm{pu}^{55} \tan ^{33} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{~S} 1^{55}$
fall down, $a^{31} \mathrm{~d}_{7} \mathrm{a}^{55}$
fall down, cause to, $\mathrm{bu}^{31} \mathrm{dim}^{55}, \mathrm{ci}^{31} \mathrm{dim}^{55}$
fall down, collapse, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \operatorname{dim}^{55}$
fall down, dzim ${ }^{55}$
fall down, $\mathrm{pu}^{55} \tan ^{33} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{~s} 1^{55}$ (e.g. a tree)
fall down, ts ${ }^{\text {h }} \mathrm{un}^{55} \mathrm{u}^{31}$
fall out (hair), $\mathrm{aa}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{55}$
fall over, $a^{31} t^{\text {ha }}{ }^{55}$
fall, $a^{31} t^{h} a n^{33}>a^{31} t^{h} a n^{55}, \gamma a^{33}$
fall, $\mathrm{su}^{55} \mathrm{da}^{31}$
fall, tumble, $a^{31} \tan ^{55}$
false, $\mathrm{m}^{31} \mathrm{t}_{6}{ }^{\mathrm{h}} \mathrm{ur}^{55}$
familiar with, know well, $\mathrm{ba}^{31} \mathrm{sp}^{31} \mathrm{so}^{53}$
family member, $t^{\text {h }} i^{55} t^{h}{ }^{\text {h }} \mathrm{im}^{31} \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ar}^{31}$
family; clan, $\mathrm{ts}^{\mathrm{h}} 1^{55}\left(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{di}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{an}^{55}\right)$
famous, buis ${ }^{31} \mathrm{a}^{31} \mathrm{n}^{55}$
fan, $\mathrm{a}, \mathrm{di}^{31} \mathrm{frl}^{55} \mathrm{~d}^{5} \mathrm{~m}^{55}$
fan, to, $\mathrm{di}^{31} \mathrm{ff}_{1}{ }^{55}$
fantasize, $\left.\left.\mathrm{a}^{31} \mathrm{t} \mathrm{c}^{\mathrm{h}} \mathrm{w}\right)^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{UO}\right)^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{om}^{55}$
far, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$. $\mathrm{Imm}^{33}$
farmer, $l^{31} \mathrm{ma}^{55} \mathrm{ua}^{33} \mathrm{su}^{55}$
farsighted, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{man}^{31} \mathrm{ni}_{\mathrm{i}}{ }^{55} \mathrm{lun}{ }^{55}$
fart, to, $\mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{z}_{\mathrm{l}}{ }^{55} \mathrm{u}^{31}$
fart; flatulence, $\mathrm{ts}^{\mathrm{h}}{ }^{31}$
fast (walk), $\mathrm{a}^{31} \mathrm{ga}^{55} \varepsilon^{31}, \mathrm{dz} 1^{31} \mathrm{dza}^{33}$
fast, quick, $\mathrm{a}^{31} \mathrm{ga}^{55} \varepsilon^{31}$
fast, quick, $\mathrm{dz} 1^{31} \mathrm{dzq}^{53}$
fast, solid, tight, $\mathrm{do}^{55} \varepsilon^{31} ; \mathrm{du}^{55}$
fasten waistband, $n \varepsilon \mathrm{~m}^{31}$
fasten, $\mathrm{va}^{35}\left(\mathrm{u}^{31}\right), \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{va}^{31}, \mathrm{p}^{\mathrm{h}} \mathrm{a}^{35} \mathrm{no}^{33}$
fat (meat), $\mathrm{r}^{31} \mathrm{su}^{55}, \mathrm{su}^{55}$
fat (person), $\mathrm{di}^{31} \mathrm{ban}^{31}$
fat, person, $\left.\mathrm{su}^{31} \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}\right)^{31}$
father (address and citation term), $\mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
father prefix, $\mathrm{au}^{53}$ - (older lists)
father, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31}$
father; stepfather, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{w}^{31}$
father's elder brother's wife, $\mathrm{a}^{55} \mathrm{o}^{31} \mathrm{ma}^{31}$
father's married sister, $\mathrm{a}^{31}$ quy $^{53}$
father's sister's husband, $\mathrm{a}^{31} \mathrm{vu}^{31}$
father's younger brother, $a^{55} \mathrm{uan}^{31}$
father's younger brother, $\mathrm{au}^{53} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31}$
father's younger brother's wife, $\mathrm{ma}^{55} \mathrm{io}^{55}$
father's older brother, $\mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} ; \mathrm{a}^{55} \mathrm{o}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31}$
fault; misunderstood, $\mathrm{ma}^{31} \mathrm{du}^{31}$
fear, frighten, to, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{Ja}^{31}>\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{za}^{55}$
feather duster, $\mathrm{ga}^{31} \mathrm{mu}^{31} \mathrm{~S}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{m} n^{31} \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{~d}_{\mathrm{m}} \mathrm{m}^{55}$
feather fan, $\mathrm{ni}^{i{ }^{55}} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}$
feather (bird), ( $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55}$ ) $\min ^{55}$
February, $\mathrm{a}^{31} \mathrm{n}^{55} \mathrm{la}^{33}$
feeble; in poor health, $s a)^{55} m \varepsilon^{31} \varepsilon^{33}$
feed (chickens), $s \varepsilon^{55} \varepsilon^{55} \mathrm{mu}^{31}$
feed; raise, $\mathrm{dz}_{1}{ }^{55}$
feed someone water, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55} \mathrm{dza}^{55} \mathrm{u}^{31}$
feel about for fish, $\mathrm{yua}^{55} \mathrm{mi}_{\mathrm{i}}{ }^{35} \mathrm{u}^{55}$
feel boated (stomach), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{55}$
feel dizzy, giddy, $\mathrm{a}^{31} \mathrm{xua}^{35}$
feel, touch, som ${ }^{55} \mathrm{mo}^{55} ;$ som $^{35} ;$ so $^{31} \mathrm{mu}^{31}$
fellow villager, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} /{ }^{55} \mathrm{~d} \mathrm{zu}^{33} \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ar}^{31}$
female, $\mathrm{r}^{31} \mathrm{ma}^{55}$
female, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55} \mathrm{za}^{55}$
femented glutinous rice, $\mathrm{a}^{31} . \mathrm{rq}^{55} \mathrm{num}{ }^{31}$
fence in, $\mathrm{t}_{6}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{~s}^{31}$
fence railings, $\mathrm{k}^{\mathrm{h}} \mathrm{am}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{u}^{55}$
fence or pen, bamboo or twig, dza ${ }^{31} \mathrm{xam}^{35}$
fennel, $\mathrm{t}^{\mathrm{h}} \mathrm{o}^{33} \mathrm{dz1}{ }^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{35}$
ferment, uay ${ }^{55} a^{31} \eta^{53}$
fermented glutinous rice, $\left.a^{31} .1 \mathrm{~m}^{55} \mathrm{num}\right)^{31}$
ferry, $\mathrm{a}^{31} \mathrm{sul}^{31} \mathrm{zam}^{53}$
fertile (soil), $a^{31} \mathrm{sa}^{33} \mathrm{nan}^{55}$
fertilize, to, $\mathrm{sa}^{31} \mathrm{u}^{31}$
fertilize, to, $\mathrm{Pba}^{53} \mathrm{Pum}^{55}$
fertilizer, fei ${ }^{31}$ liau ${ }^{31}$ (Ch.)
fester, to, ci ${ }^{31}$ d $\mathrm{cu}^{31}$
fetch or draw (water), $\mathrm{k}^{\mathrm{h}} \mathrm{am}^{55}$
fetus; embryo, $1^{31} t^{6}{ }^{\text {h }} \varepsilon n^{31}$
fever, have, $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \varepsilon^{55}$
few, (a) little, $\mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{me}^{55} ; \mathrm{a}^{31} 1 \varepsilon^{33}$
field (abandoned), $\mathrm{zq}^{31} \mathrm{bumm}^{55}$
field (dry), $\mathrm{la}^{31} \mathrm{ma}^{55}$
field (paddy), $\mathrm{da}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}$
field (paddy); sometimes dry field, $\mathrm{la}^{31} \mathrm{ma}^{55}$
field boundary, $\mathrm{la}^{31} \mathrm{ma}^{55} \mathrm{du}{ }^{31} \mathrm{xay}^{55}$
field, abandoned, $\mathrm{z}_{1}{ }^{31} \mathrm{bumm}^{55}$
field mouse, $\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{din}^{55}$
field, paddy, $\mathrm{da}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}$
fierce, $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{am}^{55} \mathrm{~S} 1^{31}$
fierce (action), $\mathrm{Pdza}^{31}$
fifteen, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{31}, \mathrm{ts}^{\mathrm{h}}{ }^{55}{ }^{5} \mathrm{nua}^{31}$ (Lisu)
fifteen day of lunar month, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \tilde{\mathrm{a}}^{31} \mathrm{ni}^{33}$
fifth, $\mathrm{ti}^{35} \mathrm{u}^{53}$ (Ch.)
fifth, $d a^{53} u^{31} p^{h} \mathrm{ar}^{31}$
fifth, $\left.\mathrm{ii}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{an}\right)^{55} \mathrm{p}^{\mathrm{h}} \mathrm{a} \eta^{31}$
fifth day of lunar month, $\mathrm{s}_{1}^{31} \mathrm{la}^{55} \mathrm{p}^{\mathrm{h}} \tilde{\mathrm{a}}^{31} \mathrm{ndi}^{33}$
fifth earthly branch, ly ${ }^{31}$ num ${ }^{55}$
fifty, $\mathrm{p}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$
fight, to, $\mathrm{a}^{31} n \varepsilon^{31}$
fight, vie for, $\mathrm{Pa}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{31}$
fighting trenches, $\mathrm{a}^{31} \operatorname{san}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{uan}{ }^{31}$
file (for building things), $\mathrm{ts}^{\mathrm{h}} \mathrm{o}^{55}$ (Ch.)
file, to, $h \tilde{\varepsilon} \eta^{31} u^{31}$
file, $\mathrm{ts}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{du}^{31}$ (Ch. Lisu)
fill (a bowl with rice), $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31}$
fill (with water), $\mathrm{s}^{3} \mathrm{a}^{53} \mathrm{yo}^{31}$
fill in (dirt), $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
fill up (a hollow), $\mathrm{ci}^{31} \mathrm{n} \varepsilon \mathrm{u}^{31}$
fill up, load, $\mathrm{sa}^{31} \mathrm{u}^{31}$
fill up, t ${ }^{\mathrm{h}} \mathrm{un}^{55}$ ?bun ${ }^{31}$
film; movie, bõ ${ }^{55}$ (Burmese)
filter, squeeze, $\mathrm{di}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{mu}^{31}$
filter, strain, $\mathrm{di}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
filter (tea), to, $\mathrm{di}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{mu}^{31}, \mathrm{a}^{31} \mathrm{i} \mathrm{u}^{55} \mathrm{~d} \not \mathrm{q} \tilde{\varepsilon}^{31}$
fin, $)^{\prime 2} \mathrm{da}^{55} \mathrm{da}^{33} \mathrm{tc}^{15} \mathrm{in}^{55}$

find, to, $l^{53} t^{h} \mathrm{am}^{55} \mathrm{a}^{31} \mathrm{dza}^{31}$
fine (not wide), $\mathrm{tci}^{55} \mathrm{~s}_{\mathrm{q}} \mathrm{n}^{33}$
fine (rice), $\mathrm{s}^{31} \mathrm{la}^{31} \mathrm{n}^{2} \mathrm{~m}^{55}$
fine (thin), $\mathrm{ua}^{55} \mathrm{ts}^{\mathrm{h}}{ }^{31}$
fine hair on human body, $\mathrm{ni}^{31} \mathrm{sa}^{31} \min ^{55}$
finger, baby, $\mathrm{n}^{31} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{im}^{55} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{En}^{31}$
finger, $n \mathrm{i}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{55}$
finger, ring, $\mathrm{n}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{55}$
finger tips, $\mathrm{ndi}^{55} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{im}^{55} \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55}$
fingernail, $\mathrm{nin}^{55}$
fingerprint, $a^{31} v u^{35}$ gam $^{55}$
fingerprint, $\mathrm{n}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{55}$
finish, complete, $? \mathrm{~d} z \varepsilon^{35}$, dzum $\mathrm{Xa}^{55}$
fire (a shot), $\mathrm{dzo}^{55} \mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{\eta}^{31} \mathrm{vam}^{53}$
fire (die out), $t 6^{h} a^{55} n^{2} n^{55}$
fire diaster, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{mi}^{55} \mathrm{~d} \mathrm{Fin}^{55} \mathrm{P} \mathrm{d} \varphi \varepsilon^{35} \varepsilon^{31}$
fire dike bank, mu ${ }^{31} \mathrm{zam}^{55} \mathrm{lay}^{31}$
fire dike, $\mathrm{mu}^{31} \mathrm{zam}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{un}^{55}$
fire god, spirit, $\mathrm{t} \epsilon^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{w}^{31} \mathrm{ia}^{33}$
fire tongs, $\mathrm{ma}^{33} \mathrm{n}_{0} \varepsilon \mathrm{~m}^{55}\left(\mathrm{ma}^{33} \mathrm{n}_{2} \varepsilon \mathrm{~m}^{33}\right)$
fire wall, $\mathrm{mm}^{31} \mathrm{za}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{un}^{55}$
fire, big, $\mathrm{t} \int^{\mathrm{h}} \mathrm{o}^{55} \mathrm{mi}^{55} \mathrm{a}^{31} \mathrm{ni}^{33} ; \mathrm{t} \mathrm{f}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{55} \mathrm{dum}^{31}$
fire, small, $\mathrm{t} \int^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{55} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
fire, $\mathrm{t}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{55}$
firefly; glow worm, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{x} \tilde{a}^{31}$
firewood knife, cuiv ${ }^{55} \mathrm{ua}^{31} \mathrm{~d}_{\mathrm{m}} \mathrm{m}^{55} \mathrm{cqm}^{31}$
firewood root, cuin ${ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{33}$
firewood, tree, wood, cwi ${ }^{55}$
fireworks, $\mathrm{a}^{31} \mathrm{i} \tilde{\mathrm{a}}^{31}$ ven ${ }^{55}$
first month of lunar year, $t^{h} \mathrm{i}^{55} \mathrm{la}^{33}, \mathrm{~s} 1^{31} \mathrm{la}^{55}$
first, $\mathrm{ba}^{55} \mathrm{su}^{31}, \mathrm{do}^{55} ; \mathrm{da}^{53} \mathrm{u}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ia}^{55}$
first, $\mathrm{kum}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}, \mathrm{e}^{55} \mathrm{vu}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ma}^{33}$ (Lisu)
first, $\mathrm{ti}^{35} \mathrm{i}^{31}$ (Ch.); $\mathrm{i}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$
first born, $\mathrm{o}^{31} \mathrm{mo}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{31}$
first day of lunar month, $\mathrm{s}^{31} \mathrm{la}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{nd}_{\mathrm{i}}{ }^{33}$
first earthly branch, $a^{31} \operatorname{din}^{55}$ nown ${ }^{33}$
first lunar month, $\mathrm{o}^{31} \mathrm{mo}^{55} \mathrm{~s}^{31} \mathrm{la}^{55}$
first one, $\left.1 a^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}\right)^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{n}_{\mathrm{s}} \mathrm{m}^{31}$
first visit of a bride, $m \varepsilon^{55} l \varepsilon^{55} \mathrm{mu}^{31}$
fish (maybe blunt snout bream), $\mathrm{a}^{31}{ }^{6} \varepsilon \mathrm{n}^{55}$
fish bait, buin ${ }^{31} \mathrm{dza}^{33}$
fish bone, nua $^{55} \mathrm{ba}^{31} \mathrm{xul}^{55}$
fish cage, $\mathrm{da}^{31} \mathrm{bum}^{55}$
fish hook, $\mathrm{Xo}^{55} \mathrm{gi}^{33}$ (Lisu)
fish roe or spawn, yua ${ }^{55} \lim ^{31}$
fish scale, nua ${ }^{55} \mathrm{bal}^{31}$
fish spear/fork, $\mathrm{la}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{U}^{55}$
fish out, to, $\mathrm{ts}^{\mathrm{h}} \mathrm{i}^{31}$
fish smell grass, $\mathrm{dza}^{31} \mathrm{be}^{35} \mathrm{Yo}^{31}$
fish stomach, nua ${ }^{55} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{33}$
fish scale, nud ${ }^{55}$ bap $^{31}$
fish, $a^{31} \varphi \varepsilon n^{55}$
fish, nua ${ }^{55}$
fish (with rod), to, $\mathrm{a}^{31} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{uq}^{33}\left(\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u} \eta^{35}\right)$
fish, to, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{na}^{35}$
fish, to, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{ian}^{55} \mathrm{lun}^{53}$
fisherman, nua ${ }^{55} \mathrm{p}^{\mathrm{h}} \mathrm{w}^{31} \mathrm{na}^{55} \mathrm{su}^{55}$
fishing basket, da ${ }^{31}$ buur ${ }^{55}$
fishing fork, nua ${ }^{55} \mathrm{vam}^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
fishing hook, $\mathrm{xo}^{55} \mathrm{gi}^{33}$
fishing line, buin ${ }^{31}$ buin ${ }^{55}$
fishing rod, nua ${ }^{55} p^{h} u^{31} n a^{55} d \varepsilon m^{55}$
fishnet, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{ia}^{55}$
fist, $\mathrm{a}^{31} \mathrm{vu}^{35} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
five, $\left.\mathrm{p}^{\mathrm{h}} \mathrm{a}\right)^{31}$
five, nua $^{31}$ (Lisu)
fix, to, $t^{h} \mathrm{an}^{55} \mathrm{a}^{31}, \operatorname{l\varepsilon n^{35}}$
flag, $\mathrm{p}^{\mathrm{h}} \varepsilon^{31}$ (Lisu)
flag, national, $k u \varepsilon^{35} p^{h} \varepsilon^{35}$
flagstone; slabstone, lun ${ }^{55}$ lan $^{31}$
flail, to, $n \varepsilon^{31} \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{31}$
flail, head, $n \varepsilon^{31} \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{n}^{55}$
flame, $\mathrm{t}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{55} \mathrm{t}^{\mathrm{h}} \varepsilon^{31} \mathrm{mu}^{31}$
flame (tongue of), $\mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{55} \mathrm{san}^{55}$
flash (lightning), $\mathrm{a}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31} 1 \varepsilon \mathrm{~m}^{31}$
flash (lightning), $\mathrm{mo}^{55} \mathrm{~d} \mathrm{zil}^{33}$
flashlight, $\operatorname{tian}^{35} \mathrm{t}^{\mathrm{h}} \mathrm{un}^{31}$ (Ch.)
flat, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \operatorname{lan}^{31}$
flat, $\mathrm{a}^{31} \mathrm{~d} 7 \mathrm{a}^{31}$; make flat, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{~d} \not \mathrm{a}^{31}$
flat, become, $\mathrm{tc}^{\mathrm{h}} \varepsilon^{55} \mathrm{t}^{\mathrm{h}} \varepsilon^{55} \mathrm{~m}^{33}$
flat fish (e.g., blunt-snout bream), $a^{31}{ }_{6} \mathrm{n}_{0}^{55}$
flat, shallow, $\mathrm{t}^{\mathrm{h}} \varepsilon^{55} \mathrm{t}_{6}^{\mathrm{h}} \varepsilon^{55} \mathrm{dzo}{ }^{31}$
flatter obsequiously, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{~S}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{55} \mathrm{SO}^{53}$
flavor, taste, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{i} \varepsilon \mathrm{n}^{31}$
flax, $\mathrm{mi}^{55}$
flax or linen thread, ?uam ${ }^{31}$. $^{5}{ }^{55}$
flax seed, $\mathrm{mi}^{55} \mathrm{iu}{ }^{31}$
flay, peel, $\mathrm{k}^{\mathrm{h}} \mathrm{ay}^{31} \mathrm{u}^{31}$
flea, $S_{1} 1^{55}\left\{1^{31}>6 \mathrm{i}^{31} \mathrm{li}^{31}\right.$
flea, grass, $\varphi^{55} \mathrm{ts}^{31} \varepsilon^{35}$
flee, $\mathrm{i} \varepsilon \mathrm{n}^{55}\left(\mathrm{tçi}^{31} \varepsilon^{31}\right)$
flesh, irritated, $x u a^{55} \mathrm{dz} 1^{23}$ (Lisu)
fleshy part of bird's tail, $\mathrm{y}^{55} \mathrm{~min}^{55}$
flimsy, $\mathrm{m}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{om}^{55}$
fling, toss, $\mathrm{Pa}^{31} \mathrm{p}^{\mathrm{h}}$ un) $\mathrm{u}^{53}$
flint, $\mathrm{xo}^{31} \mathrm{bi}^{31}$
flint stone, $\mathrm{Xo}^{31} \mathrm{bi}^{31} \mathrm{lun}^{55}$
float down, $a^{31} d z a^{55}$
float, to, $\mathrm{ma}^{55} \mathrm{z} 1^{55}\left(\mathrm{u}^{31}\right)$
flood, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{35}$ bun $^{31}$
floorboard of woven bamboo, $\mathrm{la}^{33} \mathrm{~d} \mathrm{ma}^{55} \mathrm{lan}^{31}$
floorboard; floor, la $^{33}$ dza ${ }^{55}$
floor, woven, $\mathrm{la}^{33} \mathrm{~d} \mathrm{a}^{55} \mathrm{lan}^{31}$
flour sieve, dzi ${ }^{31} \mathrm{Ia}^{55} \mathrm{x}^{2} \mathrm{Im} \mathrm{n}^{53}$
flour, buin ${ }^{55}$
flour, wheat, $\mathrm{ca}^{31} \mathrm{Ia}^{31}\left(\mathrm{ua}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{l}^{31}\right)$
flow (water), iu ${ }^{33}$
flower (n.), ven ${ }^{55}$, $\varphi w \eta^{55} v \varepsilon n^{55}$
flower (of reeds), $\left.\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{n}_{\mathrm{a}}{ }^{55} \mathrm{li}^{55} \mathrm{~d} \not \mathrm{un}\right)^{31} \mathrm{v}^{2} \mathrm{n}^{55}$
flower (v.), bloom, to, cuu ${ }^{55}$ ven $^{55}$
flower bud, cuin ${ }^{55} v \varepsilon n^{55} t^{\text {h }} \mathrm{im}^{31}$
flower petal, cuin ${ }^{55} v \varepsilon n^{55} \operatorname{ci}^{31} \mathrm{lim}^{35} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{m}^{55}$
flower pot, $\varphi_{u n}{ }^{55} v \varepsilon n^{55} \mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
flower stem, cun ${ }^{55}$ ven $^{55}$ dzuun ${ }^{55}$
flower, $\mathrm{di}^{31} \mathrm{~g}_{\mathrm{y}}{ }^{55} \mathrm{dzan}^{35}$
flower, stalk, cuu ${ }^{55} v^{2} n^{55} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
flowers falling, $\varphi u)^{55} v \varepsilon n^{55} \mathrm{~Pa}^{31} \mathrm{~d} \not \mathrm{q}^{53} \varepsilon^{31}$
fluffy, su ${ }^{31} \mathrm{la}^{35}$
flustered, $\mathrm{ts}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{li}^{31} \mathrm{li}^{31}$
flute, bamboo, dzi ${ }^{31} \mathrm{li}^{55}$
fly (insect), $\mathrm{ba}^{31} \mathrm{~s} \mathrm{~m}^{55}$
fly shit, $\mathrm{ba}^{33}$ sum $^{55} \mathrm{pu}^{31} \mathrm{nin}^{31}$
fly, big, ba $^{33}$ sum $^{55}$ dum ${ }^{31}$
fly, to, d $\varepsilon \mathrm{m}^{31}$ (Lisu)
fly swatter, $\mathrm{ba}^{55} \mathrm{som}^{55} \mathrm{a}^{31} \mathrm{n}^{n} \varepsilon^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
flying snake, $\mathrm{dem}^{31} \mathrm{bu}{ }^{31}$
foam, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ga}^{55} \mathrm{da}^{31} \mathrm{bo}^{55}$
foam, to, $\mathrm{i}^{55} \mathrm{fu}^{53}$
foam (breaking waves), $\mathrm{d}_{\mathrm{l}}{ }^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{u}^{31}$
fog, $\mathrm{io}^{55}$ mur ${ }^{55} \mathrm{du}{ }^{33}$
fog spreads, $\mathrm{ka}^{55} \mathrm{~d} z 1^{55} \mathrm{dim}^{55} \varepsilon^{31} \mathrm{na}^{31}$
foggy, be, $z 1^{31}$ mun $^{55} \mathrm{a}^{31} \mathrm{ga}^{33}$
fold in corner of page, $\mathrm{ii}^{55} \mathrm{ko}^{33} \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{lim}^{55}$
fold up, $\mathrm{sp}^{31} \mathrm{dum}^{31} \mathrm{ts} \mathrm{\varepsilon}^{31} \mathrm{ni}_{\mathrm{i}}{ }^{55} \mathrm{xo}^{31}$
fold up, pile up, tç $\varepsilon^{31}, \mathrm{di}^{31} \mathrm{dzu} \eta^{31}$
fold, to, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \lim 2^{31} \mathrm{u}^{31}$
follow, to, $\mathrm{z} / \mathrm{za}^{31} \mathrm{a}^{55}$
fond of (a song), $\eta \tilde{a}^{55}{ }_{\mathrm{S}} 1^{31}$
food steamer, $\mathrm{Pb} \varepsilon^{31} \mathrm{n}_{\mathrm{i}}{ }^{55}$
food, $\mathrm{mu}^{31} \mathrm{dza}^{31}$
food dishes, $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{55}$
food turner, $\mathrm{d} \not \varepsilon^{31} \operatorname{cin}^{55} \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55}$
foodstuff; food, $\mathrm{\varepsilon m}^{53}{\mathrm{~d} \varepsilon \mathrm{~m}^{55}}^{55}$
foot, $\mathrm{Pa}^{31} \mathrm{xa}^{35}, \mathrm{a}^{31} \mathrm{x} \varepsilon^{33}$
foot, one (12"), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{xu}^{55}$
foot (measure), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{~d} \mathbf{z} \underline{\underline{q}}^{55}$
foot $=$ one-third of a meter, $\left(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}\right) \mathrm{dza}{ }^{55}$
foot bowl, $a^{31} \mathrm{xa}^{55} \mathrm{~d} \mathrm{z}^{5}{ }^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
foot of a bed, $n_{i m}{ }^{55} \mathrm{za}^{55} \mathrm{a}^{31} x \varepsilon^{35} \mathrm{k}^{\text {h }} \mathrm{a}^{53}$
foot of a mountain, $\mathrm{mu}^{31} \mathrm{guy}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{un} \eta^{33}$
foot; leg, Pa $^{31} \mathrm{xa}^{55}$
footprint; tracks, $\mathrm{a}^{31} \times \mathrm{xa}^{53}{ }_{6} \mathrm{~min}^{55} \mathrm{a}^{31} \mathrm{ma}^{55}$
football, soccer, $\left.\operatorname{ca}^{55} \mathrm{sam}^{31} \chi^{2}\right)^{55}$
footstool, $\operatorname{tcc}^{55}{ }^{5 s u}{ }^{31} t^{\text {h }}{ }^{\text {h }} \mathrm{n}^{31}$
for washing clothes, $s 1^{55} \mathrm{do}^{31}$
forbid; not allow, $\mathrm{m}^{31} \mathrm{Pda}^{55}$
ford, $a^{31} \mathrm{su}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{ar}^{31}$
forearm, $\mathrm{a}^{31} \mathrm{vu}^{35} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ni}^{55}$
forearm, $\mathrm{a}^{31} \mathrm{vu}^{35}$ dun ${ }^{55}$
forefinger, $\mathrm{n}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{55}$
forehead, $\mathrm{ma}^{55} \mathrm{di}^{31} \mathrm{gay}^{55}$
foreign country, uai ${ }^{35} \mathrm{ku}^{35}$
foreign country, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ar}^{31} \mathrm{kue}^{31}$
foreman, kui ${ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{31}$
forest, $\mathrm{mu}^{55} \mathrm{xa} \mathrm{\eta}^{35}, \mathrm{cwn}^{55} \mathrm{xa} \mathrm{\eta}^{35}$
forest, jungle, $\mathrm{p}^{\mathrm{h}} \varepsilon^{55} \mathrm{~m} \varepsilon^{53} \mathrm{u}^{31}$
forever, $k a^{55} t^{h} a^{31} g \mathrm{gu}^{53}$
foretell the future, $\mathrm{so}^{33} n \varepsilon^{33}$
forge iron, $\mathrm{a}^{55} \mathrm{um}^{55}$
forge iron, uum $^{55}$
forge (things) out of iron, $S a^{31} k^{h} \tilde{a} \eta^{55} a^{31} n i^{35}$
forget, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} m \tilde{a}^{53}$
forgetful, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ma}^{31} \mathrm{~s} \varepsilon^{31}$
forgive; ask forgiveness, $\mathrm{ga}^{31} \mathrm{gux}^{31} \mathrm{ni}^{33} \mathrm{xuq}^{31} \mathrm{i}^{53}$
fork, $\mathrm{y}^{31} \mathrm{di}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{55}$
forked road, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31} \mathrm{di}^{31} \mathrm{ba}^{55}$
form dew, $\mathrm{i}^{55} \mathrm{n} \varepsilon \mathrm{m}^{53} \mathrm{k}^{\mathrm{h}} \mathrm{an}^{55}$
formerly, ancient times, $\mathrm{ma}^{55} \mathrm{Su}^{33} ; \mathrm{ua}^{31} \mathrm{su}^{55}$
fortell the future, $\mathrm{so}^{33} \mathrm{n} \varepsilon^{33}$
fortunately, $\mathrm{o}^{55} \mathrm{nu}{ }^{31} \mathrm{le}^{55}$
fortune, luck, $k^{h} \mathrm{am}^{31} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{55}$
fortune, luck, $\gamma \mathrm{m}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{o}^{33}$ (Lisu)
forty, $a^{31} b \cdot \eta^{31} t^{h} a^{55}$
four days hence, $\mathrm{dum}^{55} \mathrm{dum}^{55} \mathrm{san}^{31} \mathrm{nd}^{25}$
four, b. $1_{1}^{53}$, b.ii ${ }^{53}$, $\left(\right.$ b.ii $\left.^{31}\right), \mathrm{li}^{33}$ (Lisu)
four kinds of herbs (almond, lotus-seed, lily seed, discorea), $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{av}^{31} \mathrm{Sa}^{33} \mathrm{la}^{33}$

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\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55}
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fourteen, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{~b} .1^{53}, \mathrm{ts}^{\mathrm{h}}{ }^{31} \mathrm{li}^{33}$ (Lisu)
fourth, $\mathrm{ku}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{bili}^{53}, \mathrm{ti}^{35} \mathrm{~s} 1^{35}$ (Ch.)
fourth, $\mathrm{li}^{33} \mathrm{ma}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ma}^{33}$ (Lisu)
fourth, $d a^{53} u^{31} b .1^{31}$
fourth earthly branch (rabbit), $\mathrm{t}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{la}^{55} \mathrm{n}_{\mathrm{mu}}{ }^{55}$
fox, $\mathrm{ko}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{w}^{33}$
fox, wildcat, $\mathrm{da}^{31} \mathrm{ga}^{31}$
fraction, don ${ }^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ (used after the denominator and before the numerator)
fractions, dun ${ }^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
fraction, $\mathrm{i}^{31}$ fen ${ }^{55}$
fragrant, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} l \varepsilon \mathrm{~m}^{31}$
frame, $\mathrm{a}, \mathrm{tsi}^{55}, \mathrm{tc}^{\mathrm{h}} \mathrm{w}^{35}$
frank, candid, iu ${ }^{55}$
freckles; pockmarks, $\mathrm{io}^{55} \mathrm{dz} 1^{31}$
free from anxiety, $\mathrm{m}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{S}^{31} \mathrm{ca}^{31}$
free time, $a^{31} t s^{\mathrm{h}} i \varepsilon^{55}$
freedom, $\mathrm{ts}^{35} \mathrm{iu}^{31}$ (Ch.)
freeze (ground), $\mathrm{ti}^{31} \mathrm{ven}^{31} \mathrm{dzun}^{55} ; \mathrm{Pa}^{31} \mathrm{sa}^{31} \mathrm{~d} \not \mathrm{qun}^{55}$
freeze, ice over, $\mathrm{ti}^{31} \mathrm{ven} \mathrm{n}^{31}$ dzun ${ }^{55}$
frequently, often, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{33} \mathrm{ma}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{33}$
fresh (vegetables), $? \mathrm{~d} z \varepsilon \mathrm{n}^{55} \uparrow \mathrm{~d} z \varepsilon \mathrm{n}^{55} \mathrm{uq}^{31}$
fried sweet snack, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{35} \lim ^{31} \mathrm{dz}_{\mathrm{l}}{ }^{35} \mathrm{u}^{31} \mathrm{mu}^{53}$
friend, $n \varepsilon m^{31}$ nan $^{31}$
friend, $\mathrm{da}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$
friend, close, intimate, $n \varepsilon m^{31} n_{0 a \eta^{31}} \chi^{55}$
frightened, stunned; shy, $\mathrm{t}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{lin}^{55} \mathrm{P} \mathrm{d} z \varepsilon^{35}$
frog, $\mathrm{na}^{33} \mathrm{ga}^{55}$
frog, large, $\mathrm{na}^{55} \mathrm{~g} \varepsilon y^{55} \mathrm{dum}{ }^{31}$
frog, small, $\mathrm{na}^{55} \mathrm{~g} \varepsilon \mathrm{y}^{55} \mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
from, $\varepsilon^{31} \mathrm{ni}^{55}$
from childhood, $a^{55} t \mathrm{tu}^{31} \mathrm{la}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{di}^{31}$
from morn to night, $\left.\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{n}_{\mathrm{i}}{ }^{31} \mathrm{t} \mathrm{q}^{\mathrm{h}} \mathrm{un}\right)^{31}$
front, in front, $\mathrm{ma}^{55} \mathrm{Su}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
front of Chinese jackets; lapels, $\mathrm{be}^{31} 1 \varepsilon^{31} \mathrm{t} \epsilon^{1 \mathrm{l}_{1}^{55}}$
front of clothes, $n a^{33} t^{h} a y^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
front door (or gate), $\mathrm{la}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{wr}^{55} \mathrm{ma}^{55} \mathrm{su}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{53}$
front of body, $\mathrm{z}^{55} \mathrm{gu}^{31} \mathrm{ma}^{55} \mathrm{pu}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{53}$
front, infront, $\mathrm{ma}^{55} \mathrm{su}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
frost, have, $\mathrm{dzan}^{55} \varepsilon^{31}$
frost, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ven}{ }^{31}$
fruit, $\mathrm{S} 1^{33}$
fruit peel, $\mathrm{n}^{53} \mathrm{t}_{\mathrm{l}}{ }^{\mathrm{h}} \mathrm{i}^{55}$
fruit, and the like, cum ${ }^{55} \mathrm{~S} 1^{33}$
fruit, bear fruit, $\mathrm{S} 1^{33}$; bear fruit, $\mathrm{I}^{31} \mathrm{~S} 1^{33} \mathrm{dz} 1^{33}$
fry (breads), $\mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{am}^{53}$
fry of fish, $\mathrm{gua}^{55} \mathrm{im}^{31}$
fry in fat or oil, ?dzun ${ }^{53}$
frying pan, $\mathrm{d} \not \mathrm{a}^{33} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{55}$
Fugong (county), $\epsilon^{55} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{55}$
full (e.g. a water vat), $\mathrm{cim}^{55} \mathrm{bu}^{31}$
full; filled up, ( ${ }^{\left.() a^{55} b u\right)^{31}}$
full (of food), $\mathrm{ga}^{31}$
full beard, $\mathrm{ba}^{31} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{i}^{31}$
full moon, $\mathrm{sl}^{31} \mathrm{la}^{55} \mathrm{p}^{\text {h }} \mathrm{am}^{55}$
full of shit, $\mathrm{ni}^{55} \mathrm{a}^{31}$ Plin ${ }^{35}$
full of urine, $\mathrm{ca}^{55} \mathrm{a}^{31}$ ? $\operatorname{lin}^{35}$
funeral, $\mathrm{ni}^{35}{ }^{35} \mathrm{a}^{55} \mathrm{p}^{31} ; \mathrm{dza}^{31} \mathrm{sa}^{55} \mathrm{p}^{31}$
fungus, $\mathrm{mu}^{55} \mathrm{gun}^{55}$
fungus; bacterium, $\mathrm{Pu}^{31} \mathrm{du}^{53}$
funnel, lus ${ }^{35} \mathrm{tur}^{53}$
fur, $\min ^{55}$
fur, $\mathrm{ca}^{55} \mathrm{sam}^{31}$
fur garment, $\mathrm{ca}^{55} \mathrm{~s}^{\prime} \mathrm{an}^{31} \mathrm{ga}^{31} \mathrm{mu}^{31}$
furniture, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{31} \mathrm{dun}^{55} \mathrm{n} \varepsilon \mathrm{n}$
fussy, $6 \mathrm{w}^{35} \mathrm{di}^{33}$
future, $\mathrm{ii}^{55} \mathrm{za}^{31}$
future aspect, $\mathrm{bu}^{55}, \mathrm{uq}^{55}$
gadfly, $m \varepsilon^{55} \mathrm{dz1}{ }^{31}$
gall bladder, $\mathrm{n}^{31} \mathrm{da}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{I}^{55}$
gamble (for money), $\mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{on}^{35} \varepsilon^{31}$
garden, vegetable, $\mathrm{d} \mathrm{za}^{31} \mathrm{xam}^{35}$
gain / earn money, $u^{31} \mathrm{vu}^{35} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
gain money in business, $\eta^{31}$ dzan $^{55}$
gall bladder, $\mathrm{r}^{31} \mathrm{da}^{31} \mathrm{k}^{\mathrm{h}} \cdot \mathrm{l}^{55}$
gamble, throw dice, $\left.\mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}\right)^{35} \mathrm{u}^{55}$
game, $\mathrm{a}^{31} \mathrm{xin}^{55}$
gangplank, $\mathrm{a}^{31} \mathrm{sur}^{31} \mathrm{gu}^{31} \mathrm{Ja}^{55}$
garbage, $\mathrm{s} 1^{31} \mathrm{t}^{\mathrm{h}} \mathrm{n}^{31} \mathrm{sa}^{55} \mathrm{ia}^{55}$
garden, $\mathrm{dza}{ }^{31} \mathrm{ham}^{55}$
garden, vegetable, dza ${ }^{31} \mathrm{xam}^{35} \mathrm{t}^{\mathrm{h}} \mathrm{um}^{31} \mathrm{su}^{55}$
gargle, to, dzen ${ }^{55}{ }^{511^{31}}$
garlic, $\mathrm{s} 1^{31} \mathrm{be}^{33}, \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{31} \mathrm{sui}^{55}$ (Lisu)
garment, unlined, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ci}^{31} \lim ^{33}$
garment, upper, $\mathrm{na}^{33} \mathrm{than}^{55} \mathrm{gua}^{31}{\mathrm{~d} \varepsilon \mathrm{~m}^{55}}^{55}$
gas (from decaying matter), san ${ }^{55}$
gasoline, $t^{\mathrm{h}} \mathrm{i}^{35} \mathrm{iu}^{31}$ (Ch.)
gather (firewood), cwin ${ }^{55} \mathrm{ua}^{35}$
gather (water), build up, dim $^{33}$
gather night soil, $\left.i^{31} \mathrm{na}^{31} \mathrm{ndi}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{u}\right)^{55}$
gather together, $\mathrm{da}^{33} \mathrm{si}^{55} \mathrm{ya}^{31}$
gather up, $\mathrm{di}^{31} \mathrm{dzun}^{55} \mathrm{di}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
gather, assemble, $\mathrm{a}^{31} \mathrm{~d}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{55}, \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{35}$
gather, assemble, $\mathrm{Pa}^{31} \mathrm{Iam}^{31}$
gather, $\mathrm{a}^{31} \mathrm{do}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{55}$
gather, pick up (manure), $t^{h} u^{53}$
gather, put in order (clothes), $\mathrm{fin}^{31} ; \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{55}$
gaze fiercely, $\mathrm{n}_{\mathrm{i}}{ }^{55} \mathrm{dã} \eta^{31} \mathrm{~d} \not \mathrm{a}^{31} \tilde{\mathrm{u}}^{55}$
gecko; house lizard, $\mathrm{ka}^{31} \mathrm{la}^{31} \mathrm{dzan}^{55}$
gem, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{luy}^{55}$
gender marker (male), $-\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
gender marker (female), $-\mathrm{mu}^{31} /-\mathrm{ma}^{55}$
generation, elder, $\left.u^{55} \mathrm{su}^{31} \mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{un}\right)^{55}$
generation, younger, $\left.\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ma}^{55} \mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{un}\right)^{55}$
generations, later, $\mathrm{p}^{\mathrm{h}} \mathrm{um}^{31} \mathrm{la}^{55}$
generation, $\mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{un} \boldsymbol{y}^{55}$
genitive see possessive
geomancy, $\mathrm{qa}^{55} \mathrm{~m}^{31} 1 \mathrm{a}^{55} \mathrm{~d} 7 \mathrm{a}^{53} \mathrm{u}^{31}$
gesticulate, $\mathrm{Pa}^{31} \mathrm{vu}^{35} \mathrm{xua}^{31} \mathrm{St}^{55}$
get a doctor, $i^{55}$ sunn $^{55}$ gum $^{53}$
get a splinter, $\mathrm{ba}^{55} \mathrm{xu}^{55} \mathrm{ian}^{53} \mathrm{u}^{31}$
get accidentally separated from and lose contact, $\mathrm{di}^{31} \mathrm{~b}_{\mathrm{g}} \mathrm{y}^{55} \mathrm{P} \mathrm{d} \not \varepsilon^{35}$
get angry, $\mathrm{a}^{31} \operatorname{m.an}^{55}\left(\mathrm{se}^{33}\right)$ (lose temper)
get beaten, $u a^{31} n \tilde{\varepsilon}^{31} \tilde{i a n}^{53}$
get demoted, $\mathrm{Pi}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{gam}^{55} \mathrm{la}^{31} \mathrm{Pd} \varepsilon^{25} \varepsilon^{35}$
get dusty, $\mathrm{ts}^{\text {h }} \mathrm{a}^{31} \mathrm{bi}^{31} \mathrm{a}^{31} \mathrm{gan}^{53}$
get engaged, $\mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{u}^{31}$
get in bed, $n i m^{55} \mathrm{za}^{55} \mathrm{na}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{k}^{\mathrm{h}} \varepsilon^{31} \mathrm{num}^{31}$
get in car, $\mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{duy}^{53} \mathrm{dan}^{53}$
get maggots, ts $^{\mathrm{h}}{ }^{33} \mathrm{no}^{33}$
get married, $\mathrm{a}^{31} \mathrm{ci}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{55}$
get out of bed, nim ${ }^{55} \mathrm{za}^{55} \mathrm{i}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{k}^{\mathrm{h}} \varepsilon^{31} n \mathrm{nu}^{31}$
get out of car, $\mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{a}^{31} \mathrm{ni}^{55} \mathrm{la}^{31} \mathrm{~S}^{55}$
get out of way, $\operatorname{cin}^{55} \mathrm{~S}^{31}$
get promoted, $\mathrm{dan}^{55} \varepsilon^{31}$
get revenge, la $^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{iin}^{31} \tilde{\mathrm{u}}^{31}$
get scolded, $\mathrm{y}^{31} \mathrm{xo}^{55} \tilde{\mathrm{u}}^{31} \mathrm{n}_{\mathrm{n}} \mathrm{m}^{55} \tilde{\mathrm{a}}^{31}$
get seasick, $1 a^{31} p^{h} u y^{55} a^{31} x_{u a y^{31}}$
get the shakes, cold shivers, du ${ }^{35}$ gun $^{55}$
get tired of, $\mathrm{ni}^{55} \mathrm{YWu}^{55}$
get up, $\mathrm{tc}^{\mathrm{h}} \mathrm{in}^{55} \mathrm{~S}^{31}$
get up, cause to, $1 \varepsilon^{55} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{55} \mathrm{~S}_{1}{ }^{31}$
get up early, $\mathrm{m}^{31} \mathrm{ga}^{55} \mathrm{ga}^{55}$
get well, gam $^{55} \mathrm{dz} \varepsilon^{35}$; gam $^{33}$
get; acquire, $\mathrm{t}^{\mathrm{h}} \mathrm{am}^{53}$
get, fetch, $\mathrm{qu}^{31} \mathrm{lu}^{35}$
get; gain, $\mathrm{t}^{\mathrm{h}} \mathrm{am}^{55} \mathrm{a}^{53} \mathrm{dz} \mathrm{a}^{55}$
ghost, $\mathrm{tc}^{\mathrm{h}} \mathrm{o}^{33}$
ghost, spirit, phu ${ }^{31} \tilde{i}^{33}$
gift, present, $l \varepsilon^{31} \mathrm{su}^{55}$
gills, yua ${ }^{55} \mathrm{ba}^{31}$
ginger, $\mathrm{li}^{55} \mathrm{~d}$ zun ${ }^{31}$
ginger, young, li ${ }^{55} \mathrm{~d}_{7} \mathrm{un}^{31} \mathrm{a}^{31} \mathrm{man}^{55}$
ginghams, $6 a^{55} \mathrm{~min}^{55} \mathrm{ma}^{55} \mathrm{xun}^{55}$
ginseng, $\mathrm{zu} \tilde{\mathrm{u}}^{31} \mathrm{Sü}^{55}$ (Ch.)
girdle around the waist (trousers), $\mathrm{ma}^{33} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
girl, $\mathrm{ts}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{31} \mathrm{za}^{55} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
girl, $\mathrm{s}^{31} \mathrm{lan}^{55} \mathrm{za}^{55}$
girl; daughter, $\mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{n}^{31} \mathrm{mu}^{31}$
give an injection, ?uam ${ }^{55} \mathrm{ca}^{53} \mathrm{yu}^{53}$
give an injection, $\mathrm{t}^{\mathrm{h}} \mathrm{u}^{55}$
give a banquet, num ${ }^{31}$ dun $^{53} u^{31}$
give back; pay back, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{i}^{31}$
give birth, $\mathrm{qum}^{31} \mathrm{khom}^{31}$, $\mathrm{t}^{\mathrm{h}} \mathrm{U}^{31}$, sum $\mathrm{P}^{35}$
give excuse, $\mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{31}$
give in to, $l^{53} \mathrm{k}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{~d} \mathrm{ZWH}^{31} \mathrm{~S} 1^{55}$
give order (for food), $\mathrm{di}^{31} \mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{55}$
give present, $l \varepsilon^{31} \mathrm{Su}^{55} \mathrm{dzq}{ }^{55} \mathrm{u}^{31}$
give to, to, $\mathrm{ban}^{53}$
give, $\mathrm{dzi}_{\mathrm{l}}{ }^{53}$
give $u p, t^{h} a^{53} u^{31}$
give up attending, $\mathrm{S}_{1}{ }^{55} \mathrm{va}^{31} \mathrm{ma}^{31} \mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{n}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{a} \eta^{31} \mathrm{Pd} 7 \varepsilon^{35}$
give written invitation, $\mathrm{p}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{dza}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i} \varepsilon \mathrm{y}^{35} \mathrm{u}^{31}$
give, $\mathrm{dz}_{\mathrm{l}}{ }^{55}, \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
gizzard, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{ian}{ }^{31}$
gizzard (chicken), $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{un}^{55}$
glass, $n \varepsilon^{55} \mathrm{ba}^{55}$
glass goods, $\mathrm{vi}^{55} \mathrm{ka}^{31}$ (Burmese)
glasses, $\mathrm{ni}^{\mathbf{5 5}} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
glittering; sparkling, $\mathrm{p}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{ga}^{55}$
gloves, $\mathrm{a}^{31} \mathrm{vu}^{35} \mathrm{dim}^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$

glue, paste, to, $\mathrm{a}^{31} \mathrm{ga}^{55} \mathrm{u}^{31}$
glue, to, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{per}^{55}$
glue, $\mathrm{dzam}^{55}$
glutinous (sweet rice), $\mathrm{mu}^{31}{ }^{n} \mathrm{nan}^{31}$
gluttonous, $\mathrm{m}^{31} \mathrm{dzan}^{55} \mathrm{~s}^{33}$
gluttonous (for meat), $\mathrm{am}^{31} \mathrm{dzu}^{31}$
gnat, $s^{\text {b }}{ }^{33} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
gnaw; nibble, du ${ }^{31}$. run $^{35}$
gnaw; nibble, $\mathrm{di}^{31} \mathrm{~s} \mathrm{n}^{35} ; \mathrm{di}^{31} \mathrm{Sl}^{31} \mathrm{n}^{55}$
go, $\mathrm{a}^{31} \mathrm{ba}^{35}, \mathrm{bu}^{33}-, \mathrm{bu}^{55}$
go (to Shanghai), $\mathrm{dz1}^{53}, \mathrm{dz}_{1}{ }^{31}, \mathrm{ge}^{55} \mathrm{dz}{ }^{53}$
go around, $\mathrm{xua}^{31} \mathrm{a}^{31} \mathrm{bo}^{53}$
go around in a circle, $\mathrm{dz}_{1}{ }^{55} \mathrm{li}^{33} \mathrm{xuq}^{31} \mathrm{~Pa}^{55}$
go back, return, $\mathfrak{\chi o n}^{35} ; \mathfrak{\chi}^{33}$
go back on a promise, $a^{31} \mathrm{na}^{55}$
go backwards, $a^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{33} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{31}$
go by boat, $\mathrm{a}^{31} \mathrm{sur}^{31} \mathrm{n}_{\mathrm{o}} \mathrm{o}^{55}\left({ }^{33}\right)$
go downstairs, $\mathrm{la}^{31} \mathrm{~S} 1^{55}$
go home, luy ${ }^{55} \mathrm{bu}{ }^{55} \varepsilon^{31}$
go home hunting, $\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{la}^{53} \mathrm{u}^{31}$
go into partnership, $\mathrm{a}^{31} \mathrm{zam}^{31}$
go on board, $\mathrm{a}^{31} \mathrm{sul}^{31} \mathrm{dan}^{55}$
go on shore; go on a junk, $\mathrm{a}^{31} \mathrm{sum}^{31} \mathrm{duq}^{55} \mathrm{ni}^{55}{ }^{5} \mathrm{la}^{31} \mathrm{~S}^{55}$
go out, $\mathrm{ba}^{31} \mathrm{se}^{55} \mathrm{bu}^{53}$
go out of the way, $\mathrm{xua}^{31} \mathrm{bum}^{55}$
go out; emerge, $s 1^{31} l^{55}{ }^{5} \mathrm{\varepsilon m}^{55}$
go out; emerge, $\mathrm{bu}^{31} t^{\mathrm{h}} \mathrm{u}^{55} \mathrm{bu}^{31}$
go past, exceed; pass, $\mathrm{a}^{31} \mathrm{gu}^{55} ; \mathrm{a}^{31} \mathrm{gu}^{55} \mathrm{li}^{53}$
go to a country, $\mathrm{dzq}_{1}{ }^{55} \mathrm{za}^{55} \varepsilon^{55}$
go to a market, $\mathrm{dza}^{55} \mathrm{z} / \mathrm{za}^{31} \mathrm{a}^{55}$
go to (enter) school, $\mathrm{a}^{31} \mathrm{S1}^{55} \mathrm{va}^{31} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{33} \mathrm{bu}^{55}$
go upstairs, $n a^{33} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dan}^{55}$
go with the wind, $\mathrm{na}^{31} \mathrm{bu}^{31} \mathrm{fin}^{53}$ dun ${ }^{55}$
goat dung, $\mathrm{a}^{31} \mathrm{be}^{55} \mathrm{ni}^{33}$
goat herder, no ${ }^{31} u \tilde{a}^{31} \mathrm{a}^{31} \mathrm{t} \mathrm{c}^{\mathrm{h}} \mathrm{un}{ }^{53} \mathrm{su}^{55}$
goat meat, $\mathrm{a}^{31} \mathrm{~b}^{55} \mathrm{ca}^{33}$
goat pen, $a^{31} b \varepsilon^{55} d z a^{31} \mathrm{xam}^{55}$
goat skin, $\mathrm{a}^{31} \mathrm{~b}^{55}$ sam $^{31}$
goat wool, $\mathrm{a}^{31} \mathrm{~b}^{55} \mathrm{~min}^{55}$
goat, $\mathrm{a}^{31} \mathrm{~b} \varepsilon^{55}, \mathrm{~b} \varepsilon^{55}$
goat, baby; kid, $\mathrm{a}^{31} \mathrm{be}^{55} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
goat, female, $\mathrm{a}^{31} \mathrm{~b} \varepsilon^{55} \mathrm{ma}^{33}$
goat, male, $\mathrm{a}^{31} \mathrm{~b} \varepsilon^{55}\left(\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}\right)$
God, $\mathrm{t}^{\mathrm{h}}{ }^{31} \mathrm{ven}^{31}$
god of wealth, $m w^{31} \operatorname{gam}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{um}^{31} \tilde{\mathrm{a}}^{33}$
gold plate, $\mathrm{Sl}^{33} \mathrm{san}^{55}$
gold, yellow, $\mathrm{Sl}^{33}$
gold shop, $\mathrm{S}^{33}{ }^{3} \mathrm{n} \varepsilon \mathrm{n}^{55} \mathrm{za}^{55}$
golden silk thread, $\mathrm{sl}^{31} \mathrm{bu}^{31}$ bur ${ }^{55}$
goldsmith, $\varsigma_{1}^{33} \mathrm{z}_{1} \mathrm{~m}^{55} \mathrm{su}^{55}$
gong, $\mathrm{lo}^{31}$
Gongshān (County), kuŋ ${ }^{31}{ }^{6}$ ua $^{55}$
gonorrhea, $\mathrm{mu}^{31} \mathrm{ts}^{\mathrm{h}} 1^{55}$
good (as a child), $\mathrm{vu}^{55} \mathrm{na}^{33}$
good (person), $\mathrm{s}^{31} \mathrm{la}^{33}$
good, well, gam ${ }^{55}$
good, $\mathrm{fa}^{53}\left(\varepsilon^{31}\right)$, $\mathrm{fa}^{33}$
goods, nen ${ }^{55}$
goose, $?^{25}{ }^{55} \mathrm{bu}^{31}$
goose, wild, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{go}^{55}$
gore, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ya}^{53} \mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}}{ }^{33}$
gorge, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{53} \mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{33}$
gossip, to, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{i}^{33}$
gossip, to, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ar}^{31} \mathrm{do}^{33} \mathrm{~mm}^{31} \mathrm{~s}^{1} \mathrm{n}^{31}$
gossip about failings of others, $\mathrm{a}^{55} \mathrm{du}^{31} \mathrm{ma}^{31} \mathrm{du}^{31} \mathrm{a}^{31} \mathrm{guln}^{55}$
gourd ladle, $\mathrm{mu}^{55} \mathrm{~d}_{\mathrm{s}} \mathrm{im}^{31}$
government, ts $^{\mathrm{h}}{ }^{50}{ }^{55} \mathrm{fu}^{53}$
government office, $\mathrm{ia}^{31} \mathrm{mu}^{55}$ (Ch.)
grab, arrest, seize, $n_{i}{ }^{31} 9 \mathrm{yu}^{31}, \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{n}_{\mathrm{i}} \mathrm{i}^{33}$
graduate, $\mathrm{pi}^{31} \mathrm{ne}^{31} \mathrm{uq}^{55} \mathrm{Pd} \not \varepsilon^{35}$
graft, to, $\mathrm{S} 1^{55} \mathrm{dzwn}{ }^{55} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{31} \mathrm{Pin}^{35}$
grain, dzi ${ }^{31} \mathrm{za}^{55}$
grain, blighted, $\mathrm{tc}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{Pba}^{55}$
grain; cereals, $\mathrm{mu}^{31} \mathrm{dza}^{31}$
grains from a distillery, $\mathrm{uq}^{31} \mathrm{san}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{55}$
grandchild, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} 1{ }^{55}$
granddaughter, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{l}^{55}$
granary; barn; warehouse, $\mathrm{mu}^{31} \mathrm{dza}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$
grandfather (paternal), $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{ar}^{31}$
grandfather, great, $\mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{S} 1^{31}$
grandmother; grandmother, great, $\mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{S} 1^{31}$
grandmother (paternal), $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} 1^{31}$
grandmother (granny), $\mathrm{a}^{31} \mathrm{sa}^{55} \mathrm{mu}^{31}$
grandson, $\mathrm{p}^{\mathrm{h}} \cdot \mathrm{l}^{31} \mathrm{l}^{55}$
grandson, great, $\mathrm{p}^{\mathrm{h}} \mathrm{S1}^{31} 1^{55}$
grandson, great great, $\mathrm{p}^{\mathrm{h}} \mathrm{Sl}^{31} \mathrm{l}^{55}$
grape, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{~S}_{1}{ }^{55}$
grasp with fingers and thumbs of both hands, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{\gamma a}^{31} \mathrm{u}^{55}$
grass (weeds), $\operatorname{cin}^{33}, a^{31} \mathrm{~d} 7 \mathrm{i}^{31}$
grass flea, $\mathrm{ca}^{55} \mathrm{ts}^{31} \varepsilon^{35}$
grass name, ad $^{31}{ }^{1}$ iun $^{55}$
grass pile, $\operatorname{cin}^{33}$ bum ${ }^{33}$
grass, dogtail, $\left.\mathrm{da}^{31} \mathrm{grl}^{31} \mathrm{ba}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}\right)^{55}$
grass, fish smell, $\mathrm{dza}{ }^{31} \mathrm{be}^{35} \mathrm{yo}^{31}$
grass, green, $\mathrm{a}^{31} \mathrm{~d} \mathrm{zi}^{31} \mathrm{ua}^{31}$ nun $^{55}$
grass, wild, $\operatorname{cin}^{55}$
grassland, meadow, $\mathrm{a}^{31} \mathrm{dzl}{ }^{31} \mathrm{xay}^{53}$
grasshopper, $\mathrm{ii}^{31} \mathrm{t}^{h} \mathrm{u}^{31}$
grave; tomb, $\mathrm{da}^{31} \mathrm{gam}^{31}$
gray, $\mathrm{za}^{31} \mathrm{za}^{31} \mathrm{ba}^{33}$
gray, $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{mo}^{31}$
greasy, oily, slippery, ?nuın ${ }^{31}$
greedy, avaricious, $\mathrm{nim}^{31} \mathrm{bumm}^{35}$
greedy for food, $\mathrm{mm}^{31} \mathrm{dzuy}{ }^{55} \mathrm{se}^{55}$
greedy for money, hen ${ }^{31}$
Green Jade river, $\mathrm{pi}^{31} \mathrm{t} \epsilon \tilde{\mathrm{a}}^{55}$ (Ch.)
green, $n \mathrm{ni}^{55}{ }^{5} \mathrm{~s}^{\mathrm{h}} 1^{35}$ (Lisu)
green beans, do ${ }^{31}$ bal $^{31}$; do ${ }^{31}$ bã $^{31}$
green beans, mung, $n u^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}$
green ridge tree, $\mathrm{ts}^{55} \mathrm{ko}^{55}$
greens, $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{33}$ see vegetables
grin, $\mathrm{d} 7 \mathrm{u}^{55} \mathrm{~s} \mathrm{\varepsilon}{ }^{33}$
grind, $h \tilde{\varepsilon}^{35} \tilde{\mathrm{u}}^{31}$
grind (pestle) (medicine), $\mathrm{di}^{31} \mathrm{gzi}^{31} \mathrm{u}^{31}$
grind, mill (rice), $x u a^{31} u^{33}$
grind, mill (rice), $\mathrm{la}^{55} \mathrm{ba}^{5}$
grind, mill (rice), $\mathrm{dzi}^{53}$ (Lisu); su ${ }^{55}$
grindstone (water), $\operatorname{la}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}$ (Lisu)
grindstone, luy ${ }^{55} \mathrm{sum}^{55}$
groin, loins, crotch, da ${ }^{31} \operatorname{ban}^{31}$
groom, $m \varepsilon^{55} l \varepsilon^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
groom (for horse), ma ${ }^{31} \mathrm{k}^{\mathrm{h}} \varepsilon \eta^{55} \mathrm{su}^{55}$
grope, $\mathrm{so}^{31} \mathrm{Pm}^{55}$
ground, $\left.m u^{3 i} t^{h} a\right)^{55}$
ground floor $=$ descend stairs, $l^{31} \mathrm{buw}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55}$
ground; foundation, $\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{za}^{55}$
grove, $\left.\mathrm{a}, \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{u}\right)^{31}$
grow, develop, $\mathrm{man}^{31}\left(\mathrm{t}^{\mathrm{h}} \varepsilon^{55}\right), \mathrm{ta}^{53}$
grow, mature, $\mathrm{ta}^{53} \mathrm{ni}^{33}$
grow up, $\mathrm{ta}^{53} \mathrm{n}_{\mathrm{i}}{ }^{33}$ (older speakers), $\mathrm{t}^{\mathrm{h}} \varepsilon^{55}, \mathrm{t}^{\mathrm{h}} \varepsilon^{55}$
gruel; rice water, da $^{31} \mathrm{bumm}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31}$
guarantee, to, $\mathrm{kua}^{31} \mathrm{ni}^{33} \mathrm{xo}^{31}$
guarantor; sponsor, $\mathrm{po}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ (1/2 Chinese)
guard, defend, $\mathrm{tc}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{u}^{31}$
guard, defend, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{33}{ }^{s} \varepsilon^{33}$
guard, keep watch, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{33} \mathrm{~S} 1^{31}$
guard, watch, $\mathrm{t}^{\mathrm{t}} \mathrm{i} \varepsilon \mathrm{y}^{31}$
guard, watch (house), $\left.n a^{31} \mathrm{t}^{\mathrm{h}} \mathrm{w}\right)^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i} \varepsilon \eta^{31}(\mathrm{u})$
guess (riddle), $\mathrm{ts}^{\mathrm{h}} \mathrm{an}^{55}$
guess right, $\mathrm{di}^{31} \mathrm{dzan}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{am}^{53}$
guest, $\mathrm{mur}^{31} \mathrm{nam}^{35}$
guide, lead the way, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31} \operatorname{cim}^{55} \mathrm{u}^{31}$
guide, lead the way, $\mathrm{go}^{31} \mathrm{lo}^{55} \mathrm{dum}^{31}$ gun ${ }^{55}$
guide, leader, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31} \operatorname{cin}^{31} \mathrm{nin}^{55} \mathrm{su}^{55}$
guilty, $\mathrm{k}^{\mathrm{k}} \mathrm{in}^{55} \mathrm{a}^{31} \mathrm{n} \varepsilon^{31}$
gulley; ravine; valley, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{33} \mathrm{la}^{33} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{31}$
gum in eyes, $\mathrm{ni}^{55}{ }^{5} \mathrm{tc}^{\mathrm{h}} \mathrm{u}^{35}$
gums, $\mathrm{a}^{31} \mathrm{sa}^{31} \mathrm{dz1}{ }^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
gun handle, dzo ${ }^{55} \mathrm{k}^{\mathrm{h}} \tilde{\mathrm{a}}^{33} \mathrm{gu}^{31}$
gun, dzo ${ }^{55} \mathrm{k}^{\mathrm{h}} \tilde{\mathrm{a}}^{33}$
gun, $t^{4} \mathrm{u}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{an}^{55}$
gun, $\mathrm{pu}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{ar}^{55}$
gunpowder, dzo ${ }^{55} \mathrm{kh}^{\mathrm{h}}{ }^{33} \mathrm{po}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31}$ (Lisu)
gunpowder; powder, $t^{\mathrm{h}} \mathrm{u}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{n} \varepsilon^{55} \mathrm{ts}^{\mathrm{h}} 1^{31}$
haggle over prices, $\left.a^{31} p^{h} u^{55} d a\right)^{5}$
hail, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ven}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55}$
hail, in ${ }^{55}$
hail, to, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ven}^{31} \mathrm{lun}^{55} \mathrm{dzan}^{55}$
hail (people), $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{35}$
hair, mane, feather, $\min ^{55}$
hair (head), $a^{31} n_{i} i^{33}$
hair whorl, $\mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{31}{ }_{\mathrm{I}} \mathrm{n}^{55}$
hair-do, woman's, $\mathrm{a}^{31} \mathrm{ni}_{\mathrm{i}}{ }^{33}$ xuan $^{55} \mathrm{~s} 1^{31}$
haircut knife, $\mathrm{a}^{31} \mathrm{ni}^{55}{ }^{51} \mathrm{i}^{31} \lim ^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
half, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
half a jin, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{gam}^{55}$
half a jin, $\mathrm{p}^{\mathrm{h}} \mathrm{ar}^{31} \mathrm{lun}^{55}$
half a kilogram, gam $^{55}$
half a kilometer, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{dum}^{31} \mathrm{na}^{55}$
half a kilometer, $\mathrm{ni}^{55} \mathrm{li}^{53}$
half a month, $s 1^{31} \mathrm{la}^{55} \mathrm{ti}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
half an armspan, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} 1 \varepsilon^{31} \mathrm{ba}^{31}$
half close eye, $n^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{55} \mathrm{ni}_{\mathrm{i}}{ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{55} \mathrm{u}^{31}$
half cooked, $\operatorname{nin}^{31} \operatorname{nin}^{31} \mathrm{~m}^{31} \mathrm{n}_{\mathrm{in}}{ }^{31}$
half, smaller, $\mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
halfway up a mountain, $\mathrm{mo}^{31} \mathrm{gun}^{55} \mathrm{di}^{31} \mathrm{du}^{3}$
halfway; midway, $\mathrm{t}^{\mathrm{h}} 1^{31} \mathrm{za}^{31} \mathrm{di}^{31}$
hall (in school), $\mathrm{li}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{ay}^{31}$
ham, $\mathrm{ca}^{55} \mathrm{~g} \varepsilon \mathrm{y}^{55}$
hammer, $\mathrm{a}, \mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{tsu}^{55}, \mathrm{duw}^{31} \mathrm{bi}^{55}$
hammer, $\mathrm{a}, \mathrm{dux}^{31} \mathrm{bi}^{55}$
hammer, to, $\mathrm{ad}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{ar}^{53} \mathrm{u}^{31}$
hamstring, $\mathrm{p}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{di}^{31} \mathrm{gu}^{3}$
Han, h $\tilde{\varepsilon}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{55}$
Han language, $\mathrm{h} \tilde{\varepsilon^{31}} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
Han person, hẽy ${ }^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
hand basket, small, $\mathrm{a}^{31} \mathrm{gif}^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55} \mathrm{~d} \varepsilon^{31}$ bur ${ }^{55}$
hand down (to posterity), $\mathrm{mu}^{31} \mathrm{~s}^{31}$
hand over, dum ${ }^{31} \mathrm{ba}^{31} \mathrm{u}^{31}$
hand, arm, $\mathrm{a}^{31} \mathrm{vu}^{35}, \mathrm{la}^{33}$
handbag, $\mathrm{a}^{31} \mathrm{vu}^{35} \mathrm{a}^{31} \mathrm{gi}^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55} \mathrm{~d} \varepsilon^{55} \mathrm{guy}^{55}$
handful, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{~m}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{om}^{55}$
handfuls of (two), $\mathrm{a}^{31} \mathrm{ni}_{\mathrm{i}}{ }^{31} \mathrm{bu}^{55}$
handful (rice), $\mathrm{m}^{31} \mathrm{guan}^{55}$
handkerchief, $\mathrm{in}^{55} \mathrm{cim}^{33} \mathrm{~d}^{2} \mathrm{~m}^{55}$
handsome, beautiful, $\mathrm{a}^{31} \mathrm{n}^{2} \mathrm{~m}^{55}$, make beautiful, $\mathrm{ci}^{31} \mathrm{n}^{2} \mathrm{~m}^{53}$
handspan, the length between the thumb and middle finger, $b \mathrm{bu}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}$
handspan, the length between the thumb and the index finger, $m u^{33} \mathrm{krI}_{1}^{33}$
hang (clothes), $\mathrm{ka}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$
hang (head), $\mathrm{ts}^{\mathrm{h}} \mathrm{o}^{55}$ yom ${ }^{55}$
hang (on wall), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{mmu}^{55}$
hang down, droop, $\mathrm{d} \not \varepsilon^{55} \mathrm{si}^{31}$
hang, to, ( $\left.\left.\mathrm{bu}^{55} 1 \varepsilon^{55}\right) t \mathrm{t}^{\mathrm{h}} \mathrm{u}\right)^{31}$
happen; occur, $\mathrm{bã}^{55} \mathrm{nu}^{55}, \operatorname{lan}^{53} \mathrm{na}^{31}$
happy, glad, $\mathbb{S 1}^{31} \eta \tilde{a}^{35}$
happy, glad, $\mathrm{a}^{31} \lim ^{31} \mathrm{~s}^{55}$
hard, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{v} \varepsilon^{33}$
hard, $a^{31}$ xuy $^{55}$
hard secretion from nose, $n i^{55}{ }^{\text {k }} \mathrm{k}^{55}$
hard-shelled insect, $\mathrm{no}^{31} \mathrm{uq}^{31} \mathrm{dum}^{31} \mathrm{ba}^{31}$
hard, distressing, $\mathrm{di}^{31} \mathrm{Ca}^{31}$
harelip, nif ${ }^{55} \mathrm{bu}^{31} \mathrm{~g}_{1}{ }^{55}$
harmful, $s 1^{31} \mathrm{la}^{31} \mathrm{~d}^{2} \mathrm{~m}^{55} \mathrm{~m} \varepsilon^{31} \varepsilon^{31}$
harmonica, $\mathrm{ma}^{33} \mathrm{go}^{33}$ (one-fingered)
harmonica, $t s^{\mathrm{h}} \mathrm{u}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{31}$ (three-fingered)
harmonious, amiable, $\mathrm{a}^{31} \mathrm{dux}^{31} \mathrm{dzal}^{55}$
harmony, $\mathrm{ca}^{31} \mathrm{di}^{31} \mathrm{dza}^{55} \mathrm{da}^{55}$
harrow (field), $\mathrm{a}^{31} \mathrm{~d} \mathrm{a}^{31}$
harrow, $h \varepsilon^{31} \mathrm{yu}^{31} ; \mathrm{t}^{31} \mathrm{yu}^{31} ; \mathrm{t}^{\mathrm{h}} \varepsilon^{31} \mathrm{yu}^{31}$
harvest, cut off, $\operatorname{san}^{53} u^{31}$
harvest, $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{55}$
hat, straw, $\mathrm{sa}^{31} \mathrm{ko}^{55}$
hat; cap, $\mathrm{da}^{31} \mathrm{mo}^{55}$
hatch (chick), bumm ${ }^{55} \mathrm{u}^{31} ; \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{bum}^{55} \varepsilon^{31}$
hatch, cause to, dur ${ }^{31} \mathrm{bum}^{55}$
hatch, incubate, $\mathrm{ba}^{31} \mathrm{si}^{31}$
hatch, incubate, $\mathrm{a}^{31} \mathrm{si}^{31} \mathrm{u}^{31}$
hate, to, $\mathrm{ts}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{lo}^{55}$ (Lisu), $\min ^{31} \mathrm{a}^{31} \mathrm{z}^{55}$ 'bear a grudge'
hate to part with, $\mathrm{m}^{31} \mathrm{zanu}^{35}$
hate, regret, nim ${ }^{35}$; nim ${ }^{35}$
hate, regret, $\mathrm{ni}^{35} \mathrm{bu}^{53} ; \mathrm{ne}^{35} \mathrm{bu}^{31}$
hasten on, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31} \mathrm{za}^{31} \mathrm{yu}^{31}$
hat; cap, $\mathrm{da}^{31} \mathrm{mo}^{55}$
haunches of animal, $\mathrm{n}^{31} \mathrm{ni}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55}$
have a haircut, $\mathrm{a}^{31} \mathrm{n}_{\mathrm{i}}{ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{mn}^{31} \mathrm{se}^{55}$
have a haircut, $\mathrm{a}^{31} \mathrm{ni}^{55} \mathrm{Ci}^{31} \mathrm{lim}^{31} \mathrm{~S}_{1}{ }^{55}$
have a holiday, $\operatorname{fan}^{35} \mathrm{tca}^{53}\left(\mathrm{ni}^{33} \mathrm{ua}^{31}\right)$
have diarrhea, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{o}^{35} \mathrm{u}^{31}, \mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{a}^{31} \mathrm{~S}^{55} \mathrm{u}^{31}$
have a meeting, $\mathrm{k}^{\mathrm{h}} \mathrm{e}^{55} \mathrm{xue}^{35}$
have a runny nose, $\mathrm{nim}^{55} \mathrm{a}^{31} \mathrm{su}^{31}$
have a stuffy nose, $s^{31} \mathrm{na}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{uan}{ }^{31} \mathrm{ma}^{31} \mathrm{nuq}^{55}$
have chickenpox, $\mathrm{na}^{55} \mathrm{~s}^{55}$
have cramps, dur ${ }^{31} \mathrm{gu}^{31} \mathrm{a}^{31} \mathrm{dum}^{31} \mathrm{gun}^{55}$
have decayed teeth, $\left.\mathrm{a}^{31} \mathrm{sa}^{31} \mathrm{bu}^{31} l u\right)^{55} \mathrm{k}^{\mathrm{h}} \mathrm{i}^{53} \mathrm{u}^{31}$
have diarrhea, $\left(p^{h} \mathrm{a}^{55}\right) \mathrm{di}^{31} \mathrm{~s}^{55}$
have diarrhea, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{u}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{o}^{35} ; \mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{o}^{35} \mathrm{u}^{31}$
have fever, $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \varepsilon^{55}$
have headache, $\mathrm{a}^{31} \mathrm{dza}^{35}$
have hit (the target), $\mathrm{t}^{\mathrm{h}} \mathrm{am}^{35} \mathrm{ba}^{33}$
have indigestion, $\mathrm{p}^{\mathrm{h}} \mathrm{ul}^{31} \mathrm{i}_{\mathrm{i}} \mathrm{n}^{31} \mathrm{di}^{31} \mathrm{grii}^{55} \mathrm{~m}^{31} \mathrm{~d}_{7 \mathrm{ol}^{31}}$
have leg become lame, $\mathrm{di}^{31} \mathrm{Sa}^{31}>\mathrm{di}^{31} \mathrm{Ca}^{31}$
have located, $\mathrm{la}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{am}^{55}$
have money, da ${ }^{55}$
have saliva running out mouth, $\left.\left(\mathrm{ts}^{\mathrm{h}} \mathrm{am}^{55}\right) \mathrm{a}^{31} \mathrm{iun}\right)^{31}$
have stomache, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{a}^{31} \mathrm{dza}^{35} \mathrm{a}^{55}$
have the measles, $\mathrm{na}^{55} \mathrm{do}^{55}$
have time to, $\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}, \mathrm{da}^{31} \mathrm{gan}^{55}$
have tuberculois, $\mathrm{i}^{31} \mathrm{sum}^{55} \mathrm{a}^{31} \mathrm{dza}^{35}$
have wound heal, $\mathrm{a}^{31} \mathrm{ian}^{55} \mathrm{~S} 1^{31} \mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{n}^{31} \mathrm{Pdz} \varepsilon^{35}$
have wound heal, gam $^{33}$
have, not, $m \varepsilon^{33} \varepsilon^{55} ; \mathrm{m}^{31} \mathrm{an}^{55}$
have; be at, $\mathrm{a}^{31} \mathrm{n} \varepsilon^{55}$
have, $n o^{55} /{ }^{33}$
have; stay; remain, $\mathrm{gu}^{55} \mathrm{nu}^{31}$
hawk; kite, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{mu}^{31}$
hawk; kite, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{mu}^{31} \mathrm{k}^{\mathrm{h}} \cdot \mathrm{I}^{55}$
hawthorne berry, $\mathrm{mu}^{31} \mathrm{num}^{55}$
hay room, hay barn, $\mathrm{dz} \tilde{\mathrm{a}}^{55} 1 \tilde{a}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
hay, $\operatorname{cin}^{33}$ gã $^{55}$
hay cutter, $\mathrm{a}^{31} \mathrm{Jan}^{55} \mathrm{~d}^{2} \mathrm{~m}^{55} \mathrm{c}_{\mathrm{g}} \mathrm{m}^{31}$
he two, she two, $\left.\mathrm{y}^{31} \eta u\right)^{55} \mathrm{si}^{31}, ? \tilde{u}^{31} \mathrm{nu}^{55} \mathrm{si}^{31}$
he, she, it, $\mathrm{y}^{31}\left(3 \tilde{u}^{31}\right)$
head, $\mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55}$
head of a bed, $n_{i m}{ }^{55} \mathrm{za}^{55} \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}{ }^{55}$
headache, dzun $?^{55}$
headman, $\mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{uy}^{55} \mathrm{dzuw}^{33} \mathrm{su}^{55}$
headmaster of school, cau $^{35}$ tsan $^{53}$
heap or stack hay, $\operatorname{cin}^{33}$ bumm ${ }^{33}$
hear, $\mathrm{t}^{\text {h }} \mathrm{o}^{55} \mathrm{a}^{31} \mathrm{dza} \mathrm{a}^{33}$
heart, $\mathrm{ni}^{55}{ }^{51}{ }^{31} \mathrm{Iumm}^{31} ; \mathrm{n}^{31} \mathrm{ni}^{31}{ }^{31} \mathrm{Iom}^{31}$
heart beat, $n i^{31} z_{\mathrm{Zu}}{ }^{31} \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31}$
heart, disease, $\mathrm{nim}^{31} \mathrm{a}^{31} \mathrm{dza}^{35}$
heat up (cold rice), $3 a^{31} \mathrm{k}^{\mathrm{h}} \tilde{\varepsilon} \eta^{31} \varepsilon^{31}$
heavy, $\mathrm{a}^{31} \mathrm{l}^{31}\left(\varepsilon^{31}\right)$
hedgehog, h $\tilde{\varepsilon}^{35} \mathrm{pu}^{33}$ (Lisu)
heel, $\mathrm{Pa}^{31} \mathrm{xa}^{35} \mathrm{zu}^{33}$
help each other, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{v} \varepsilon^{33}$
help, to, di ${ }^{31} \mathrm{ban}^{31}\left(\mathrm{u}^{31}\right), \mathrm{dum}^{31} \mathrm{gu}^{53}$
hemp cord, $\mathrm{mi}^{55} \mathrm{a}^{31}$ xun ${ }^{55}$
hemp seed, $\mathrm{mi}^{55} \mathrm{ium}^{31}$
hemp stalk, $\mathrm{mi}^{55}{ }^{5} \mathrm{o}^{55}$
hemp, mi ${ }^{55},{ }^{53}{ }^{53}$ buun ${ }^{55}$
henceforth; hereafter, $\mathrm{mu}^{55} \mathrm{~d}_{\mathrm{c}} \mathrm{im}^{31}$
henceforth; hereafter, $\mathrm{Po}^{55} \mathrm{qu}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{al}^{55}$
hen, $\mathrm{k}^{\mathrm{h}} \mathrm{aP}^{55} \mathrm{ma}^{33}$
hen before laying eggs, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{al}^{31}$
hen calling her chicks, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}_{\mathrm{q}}{ }^{\mathrm{h}} \varepsilon \mathrm{n}^{31} \operatorname{cin}^{31} \varepsilon^{55}$
hen's cry before laying eggs, $\mathrm{gu}^{31} \mathrm{da}^{55} \varepsilon^{31}$
herd, to, $n i^{31} \eta^{31} a^{31} t t^{4} u^{31}$
herd, to, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{Pdza}_{1}^{55} \mathrm{a}^{31} \mathrm{ba}^{33}$
herd, to, $\mathrm{k}^{\mathrm{h}} \mathrm{n}^{31}>\mathrm{k}^{\mathrm{h}} \tilde{\varepsilon}^{31} \mathrm{ba}^{55}$
herder, $\mathrm{a}^{31} \mathrm{t} \mathrm{c}^{\mathrm{h}} \mathrm{un}^{53} \mathrm{su}^{55}$
herder (goat), $\mathrm{a}^{31} \mathrm{~b}^{55} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{un}^{53} \mathrm{su}^{55}$
here, $\mathrm{i}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
here, gam $^{55}$
hernia, $n \mathrm{in}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{55} \mathrm{a}^{31} \mathrm{~d} \not \mathrm{q}^{33}$
hibernate, Iul ${ }^{55}$
hiccup, burp, belch, $\mathrm{xum}^{33} \mathrm{w}^{55}$
hiccup, to, di $^{31}$ gurl ${ }^{53}$
hiccup, to, $\mathrm{di}^{31} \mathrm{gur}^{31} \mathrm{v} \varepsilon^{31}$
hide (thing), mau ${ }^{55}$, ma ${ }^{55} \mathrm{u}^{31}$
hide onself, $\mathrm{ma}^{\circ 3} \mathrm{~s}^{31}$
hide, to, $\lim ^{55} \mathrm{se} \varepsilon^{31}, \mathrm{ma}^{33} \mathrm{~s} 1^{31}$
high; tall, $\mathrm{ua}^{55} \mathrm{may}^{31}$
high and low, from top to bottom, $\mathrm{ka}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{qq}^{35} \mathrm{ka}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{a} \mathrm{\eta}^{35}$
highway, main road, $\operatorname{ci}^{55} \mathrm{I}^{31} \mathrm{Ii}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31}$
highway, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31} \mathrm{dum}{ }^{31}$
hill, mountain, (without vegetation) $\mathrm{mo}^{31} \mathrm{guy}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}$
hillside slope, $\mathrm{da}^{31} \mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
hillside, mountain slope, $\mathrm{mu}^{31}$ gun $^{55}$
himself, herself, $\mathrm{y}^{31} \mathrm{lu} \mathrm{g}^{55}$
hinder, get in the way, $\mathrm{t}^{\mathrm{h}} \mathrm{ar}^{31} \mathrm{u}^{31}$
hip bones (ischium), $\mathrm{ni}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{Ca}^{33} \mathrm{Jum}^{33}$
hip, $\mathrm{da}^{31}$ bun ${ }^{31}$
hire, employ, $\gamma \mathrm{u}^{55} \mathrm{u}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{31}$
hire, employ, $\mathrm{yum}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{anu}^{31}$
his, her, $\mathrm{r}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
hit (person), slap, $a^{31} n \varepsilon^{33}$
hit, pound, $\mathrm{Pa}^{31} \mathrm{nan}^{31} \mathrm{u}^{31}$
hit target, $\mathrm{t}^{\mathrm{h}} \mathrm{am}^{35}$
hit the drum, $\mathrm{ku}^{53} \mathrm{a}^{31} n \varepsilon^{31} \mathrm{u}^{31}$
hit (iron), $\mathrm{a}^{55} \mathrm{um}^{55} ;$. um $^{55}-\mathrm{v}$
hit (iron), duy ${ }^{55}$
$\mathrm{hmph}=$ make a loud noise, $\mathrm{na}^{55} \varepsilon^{31}$
hoarse, be, $\mathrm{s}^{\prime} \mathrm{an}^{55} \mathrm{~b}^{5}{ }^{55}$
hoe, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{mã}^{33}$
hoe, pointed, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{ma}^{33} \mathrm{tc}^{\mathrm{h}} \mathrm{mi}^{55}$
hoe, small, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{ma}^{33} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{m}^{31}$
hoe, to, $\operatorname{cin}^{55} \operatorname{cin}^{31}$
hoe, wide, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{ma}^{33} \mathrm{ga}^{31}$
hold (child), $\mathrm{a}^{31} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{o}^{31} ; \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{53}$
hold a worship ceremony, $\mathrm{p}^{\mathrm{h}} \mathrm{ur}^{31} \mathrm{ia}^{33} \mathrm{mu}^{31} \mathrm{gu}^{31}$
hold between fingers, $\mathrm{m}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{om}^{53}$
hold breath, san $\left.{ }^{55} t^{h} a\right)^{31}$
hold danglingly in the mouth, dzui ${ }^{53} \tilde{u}^{31}$
hold firmly, $\mathrm{p}^{\mathrm{h}} \mathrm{am}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{om}^{53}$
hold funeral, $\mathrm{man}^{31} \mathrm{sa}^{55} \mathrm{u}^{31}$
hold in fist, $\mathrm{a}^{31} \mathrm{vu}^{35} \mathrm{~m}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{om}^{53}$
hold inside mouth, $10^{55} \mathrm{mos}^{31} ; \mathrm{lo}^{55} \mathrm{mo}^{31}$
hold (flour), dum ${ }^{31}$ gom $^{55}$
hold out (as a baby to urinate), $\mathrm{dzal}^{55}$
hold up, delay, dzom ${ }^{55}$
hold with teeth, $\left.\mathrm{b} \varepsilon^{55} l \varepsilon^{55} \mathrm{ts} \mathrm{s}^{\mathrm{h}} \mathrm{u}\right)^{31}$
hold up in both hands, $\mathrm{mu}^{31} \mathrm{gua}^{53} \mathrm{u}^{31}$
hold (pen), $s 1^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{35}$
hold (pen), dzom ${ }^{31}$
hold in mouth, $\left.b \varepsilon^{55} l \varepsilon^{55} t s^{4} u\right)^{31}$
hold in mouth, $1 \mathrm{lo}^{55} \mathrm{mon}^{31} \mathrm{zom}^{55}$
hold, grasp (in fist), $\mathrm{a}^{31} \mathrm{vu}^{35} \mathrm{~m}^{31} \mathrm{t}^{\text {h }} \mathrm{om}^{53}$
hold, grasp (knife handle), $\mathrm{p}^{\mathrm{h}} \mathrm{am}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{om}^{53}$
hold, to, $\mathrm{ta}^{55} ; \mathrm{la}^{53} \mathrm{u}^{31} ; \operatorname{lan}^{55}$
hold, to, $\operatorname{ci}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{35} \mathrm{tu}^{35}$
hole in cloth, $\mathrm{n}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{uan}^{3}$
hole in dirt, $\mathrm{a}^{31} \mathrm{sa}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u} \tilde{a}^{31}$
hole; cave, $\mathrm{k}^{\mathrm{h}} \mathrm{ua} \tilde{a}^{31}, \mathrm{y}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{ua} \tilde{a}^{31}$
hole, $\mathfrak{y}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u} \tilde{a}^{31}, \mathrm{Po}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u} \tilde{a}^{31}$
home, $\mathrm{tq}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{dun}^{53 / 55}$
honest, frank, $S_{1}^{31}$ t ${ }^{h}{ }^{\mathrm{h}} \mathrm{m}^{55}$
honest, trustworthy, $\mathrm{lu}^{31} \mathrm{lu}^{31}$
honey, $\mathrm{k}^{\mathrm{h}} \mathrm{ua}^{55} \mathrm{ts}^{\mathrm{h}}{ }^{31}$ (bee + water),
honeycomb, $\mathrm{k}^{\mathrm{h}} \mathrm{ua}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{um}^{55}$
hoof (horse), mã ${ }^{31} \mathrm{gum}^{31} \mathrm{ni}^{31}$
hoof, $\mathrm{n}^{31} \mathrm{go}^{31} \mathrm{nin}^{31}$
hook, $\mathrm{a}^{55} 1 \varepsilon^{31} \mathrm{k}^{\mathrm{h}} \mathrm{I}^{55}$
hook, a, buin ${ }^{31}$
hook, a, yul ${ }^{31}$
hook, to, ninu ${ }^{31}$
hook, to, $\mathrm{yw}^{31}$
hook at end of steelyard, $\mathrm{ni}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
hoop, $\mathrm{a}^{31} \operatorname{lam}^{31}\left(\mathrm{~d} \varepsilon^{31} \mathrm{k}^{\mathrm{h}} \mathrm{i}^{55}\right)$
hoop, t $^{\mathrm{h}} \mathrm{win}^{55}$
horizon, $m u^{55} l a \eta^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a} \eta^{31}\left(\mathrm{sky}+\mathrm{t}^{\mathrm{h}} \mathrm{a} \eta^{31}\right)$
horizontal, cross (e.g. cross street), $\mathrm{xam}^{55} \mathrm{dan}^{55}$
horizontal log, $\mathrm{xam}^{33} \mathrm{da}^{33}$
horn (e.g. cow), $\mathrm{r}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55}$
horn (instrument), $\operatorname{sau}^{35}$ ts $1^{55}$
hornet; wasp, $\mathrm{a}^{31} \mathrm{iu}{ }^{31}, \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \lim ^{31}$
horse bag, mã ${ }^{31} \mathrm{k}^{\mathrm{h}} \mathrm{I}^{55}$
horse bridle bit, má ${ }^{31} \mathrm{ma}^{55} \mathrm{dun}^{31} \mathrm{~d}$ uin ${ }^{53} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
horse feed, $\mathrm{ma}^{31} \mathrm{dza}^{55}$
horse-drawn cart, $\mathrm{ma}^{31} \mathrm{mo}^{55} \mathrm{do}^{55}$
horse, $\mathrm{mã}^{31}$, $\mathrm{ma}^{31}$
horse dung, $m \varepsilon \eta^{31} n_{i}{ }^{55}$
horse feed, $\mathrm{mã}^{31} \mathrm{dza}^{55}$
horse feed, $\operatorname{cin}^{55} \mathrm{~g} 1_{1}^{55}$
horsebeans, $\mathrm{no}^{55} \mathrm{di}^{31}$
hospital, $n \varepsilon^{55} \mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$
host, $\eta^{31} k^{h} \tilde{\mathrm{a}}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
hot (water), $a^{31} k^{h} \tilde{\varepsilon} \eta^{55} ; a^{31} k^{h} \varepsilon \eta^{53} ; a^{31} k^{h} \varepsilon^{55}$
hot, $\mathrm{m}^{31} \mathrm{~d}_{\mathrm{p}} \mathrm{Un}^{55}{ }^{5} \mathrm{~S}^{31}$
hot, spicy, $\mathrm{si}^{55} ; \mathrm{si}^{35} ; \mathrm{si}^{33}$
hot (weather), $\mathrm{m}^{31} \mathrm{dzan}{ }^{55}$
hot spring, $\mathrm{tc}^{\text {h }} \mathrm{i}^{31} \lim ^{55}$ nua $^{31}$ (Lisu)
hot water bottle, sui ${ }^{55} \mathrm{p}^{\mathrm{h}} \mathrm{in}^{31}$
hour, $\left.g \lambda_{1}^{31} \mathrm{~d} Z u\right)^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{dam}^{55}$; dam ${ }^{55}$
house roof, $t 6^{h} i^{31}{ }^{31} d^{31} p^{h} u \eta^{55}$
house spirit, $t^{h} \mathrm{im}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{i}^{5}{ }^{33}$
house, tile-roofed, $u a^{55} \mathrm{la}^{55} \mathrm{bu}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
house, wooden, cuin ${ }^{55} t^{h} \mathrm{im}^{31}$
house; family; household; building, $\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
household, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$ bum ${ }^{35}$
household cook, bu ${ }^{55} \mathrm{~d}_{\mathrm{y}} \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{in}^{55} \mathrm{su}^{55}$
household (people+house), $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
housekeeper, $t^{h} \mathrm{im}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
how long (time), $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31}$
how many/much; several, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{day}{ }^{55}$
how much (asking a price), $\mathrm{d} \mathrm{qa}^{31} \mathrm{ha}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dan}^{55}$
how much; how many (less than ten), $\left(\mathrm{i} \varepsilon^{31}\right) \mathrm{dan}{ }^{55}\left(\mathrm{io}{ }^{55}\right)$
how much; how many (more than ten), $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ dan ${ }^{55}$
how?, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{di}^{55} \mathrm{ua}^{31} \mathrm{~d}_{\mathrm{c}} \mathrm{m}^{55}$
how?, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{di}^{55}$
huddle, curl up, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{nit}^{55} \mathrm{~m} \varepsilon^{31}$
Hui, $\mathrm{Po}^{55} \mathrm{ca}^{31} \mathrm{~m}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{l}^{55}$
hull rice, to, $\mathrm{du}^{53}$
hulled rice, $\mathrm{bus}^{55} \mathrm{dza} \mathrm{a}^{31} \mathrm{si}^{53}$
humans, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{al}^{31} \mathrm{ts}^{\mathrm{h}} 1^{55}$
hump on cow's neck, nõ ${ }^{31} \mathrm{uã}^{31} \mathrm{ga}^{55} \mathrm{lu}^{31}$
humpbacked, $\mathrm{da}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{ury}^{31} \mathrm{di}^{31} \mathrm{gun}^{55}$
hunchback, $\left.\mathrm{da}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{wn}\right)^{31} \mathrm{di}^{31} \mathrm{gun}^{31}$
hundred (100), ( $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$ ) $\mathrm{ca}^{55}, \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{~h} \varepsilon^{33}$ (Lisu)
hundreds, $\mathrm{n}^{31} \mathrm{ca}^{33}$
hundred million, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}\left(\mathrm{~s} \mathrm{\varepsilon}^{35}\right) \mathrm{mu}^{31} \mathrm{mu}^{31}$
hunchback, $\left.\mathrm{da}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{wn}\right)^{31} \mathrm{di}^{31}$ gun $^{31}$
hung, be, $\operatorname{san}^{31} \mathrm{ba}^{55}$
hungry, ( $\mathrm{p}^{\mathrm{h}} \mathrm{ur}^{31} \mathrm{Ia}^{55}$ ) fui ${ }^{35}$
hungry, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{Ia}^{55}$
hunt, to, Ca $^{33} \operatorname{san}^{53}$ (meat + kill)
hunter, $\varphi a^{53} k^{\text {ha }}{ }^{33}-s u^{55}, ~ \varphi a^{35} k^{h} \tilde{\varepsilon}^{35}$
hunter, $6 a^{55} \operatorname{san}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
hunting dog, $\mathrm{go}^{31}$ lun ${ }^{31}$
hurry or rush (to hit the road), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31} \mathrm{za}^{31} \mathrm{u}^{31}$
hurt, $\mathrm{na}^{31}$, dzan ${ }^{55}$
hurt by stinging, $\mathrm{ian}^{53} \mathrm{ua}^{31} \mathrm{dza}^{35} \varepsilon^{31}$
hurt foot (grit in shoe), ci ${ }^{31} n \varepsilon^{31}$
hurt the skin, $\mathrm{a}^{31} \mathrm{dza}^{31} \mathrm{a}^{31} \mathrm{bu}^{33}$
husband and wife, $\mathrm{n}^{31} \mathrm{nu}^{33}$ sun $^{55}$
husband of father's sister; aunt, $\mathrm{au}^{53} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31}$
husband, $\operatorname{lan}^{31} \mathrm{la}^{53} \mathrm{za}^{31} \mathrm{gu}^{33}$
husband, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55}$
husband, younger sister's, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{n}_{\mathrm{n}} \mathrm{an}^{55}$
husband's elder brother, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dza}^{55} \mathrm{ma}^{31}$
husband's elder sister, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dza}^{55} \mathrm{ma}^{31}$
husband's father (both terms), $\mathrm{a}^{31} \mathrm{ben}^{31}$
husband's father (both terms), $\mathrm{a}^{55} \mathrm{vu}^{55}$
husband's mother (both terms), $\mathrm{a}^{31} \mathrm{ni}_{\mathrm{i}}{ }^{55}$
husband's younger brother, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dza}^{55} \mathrm{ma}^{31}$
husband's younger sister, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{nan}^{55}$
husband's mother; mother-in-law, $\mathrm{a}^{31}\left[\mathrm{ul}^{35}\right.$
husbands of sisters, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dza}^{55} \mathrm{ma}^{31}$
husks (rice), $\mathrm{xa}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{31}$
husks, chaff, $\mathrm{ka}^{31} \mathrm{tai}^{55} \mathrm{Pan}^{31} \mathrm{tse}^{55}$
hysterical, $\mathrm{a}^{31} \mathrm{xua}^{35} \mathrm{u}^{31}$
I, $\mathrm{ya}^{31}, \mathrm{a}^{31} \mathrm{io}^{31}$
I'm sorry. Excuse me. tue ${ }^{35} \mathrm{pu}^{31} \mathrm{t}_{\mathrm{h}} \mathrm{h}^{53}$ (Ch.)
ice, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ven}^{31} \mathrm{dzu} \eta^{55}$
identical, alike, $\mathrm{a}^{31} \mathrm{du}^{55} ; \mathrm{a}^{31}$ bun $^{55} ; \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{u}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{33}$ (the same), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{t}_{6}{ }^{\mathrm{h}} \mathrm{o}^{55}$ $\mathrm{t} \epsilon^{\mathrm{h}} \mathrm{o}^{55}, \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}$,
idle, free time, $\mathrm{dum}^{31} \mathrm{gõ}^{55}\left(\mathrm{ha}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{i} \varepsilon^{55}\right)$
if (=but), $\varepsilon^{33}$
illegitimate child, $\mathrm{h} \varepsilon^{55} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{55} t \epsilon^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
illiterate, $\mathrm{Ri}^{55} \mathrm{tso}^{35} \mathrm{~m}^{31} \mathrm{so}^{53}$
imitate, $\mathrm{s}_{1}^{31} \mathrm{lam}^{55}$
immediately, at once, $\mathrm{dz}_{1}{ }^{31} \mathrm{dza}^{55}$
immediately, $\mathrm{a}^{31} \mathrm{~d} \varepsilon^{33}$
impatient, irritable, nim ${ }^{31}$ xom $^{55}$
imperative, ssa ${ }^{31} \mathrm{za}^{31}$
imperative (IMP), $\mathrm{o}^{31}, \varepsilon^{55}, \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
implant, embed, $\mathrm{c}^{31} n \varepsilon^{31}, \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{da}^{31} \mathrm{u}^{31}$
important, essential, $\underline{S 1}^{31} \mathrm{di}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{qy}^{31}, \mathrm{ia}^{35} \mathrm{t} \tilde{c}^{55}$ (Ch.)
imprisoned, $\mathrm{p}^{\mathrm{h}} \mathrm{am}^{31}$
in addition, $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{i}^{31}$
in a mess; in a wretched state, tsau ${ }^{55} \mathrm{kau}^{55}$
in any case; no matter what, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{di}^{55} \mathrm{gul}^{31} \mathrm{ni}^{33}$
in excess of (following a number), $-\mathrm{ka}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{af}{ }^{55}$
in great numbers, $\mathrm{tci}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{53}$
in perfect condition, $s 1^{31} \mathrm{la}^{31} \mathrm{n} \mathrm{\varepsilon m}^{55} \mathrm{si}^{33} \mathrm{si}^{33}$
in place of, in lieu of, $\mathrm{ba}^{31}$
in place of, in lieu of, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
in secret, quietly, $?^{55} \mathrm{ian}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{53}$
in sequence, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{duy}^{55} \mathrm{duy}^{53}$
in that way, $\mathrm{Po}^{31} \mathrm{io}^{35} 1 \varepsilon^{35}$
in the first place $\ldots$ secondly, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ia}^{31} \mathrm{yum}^{31} \ldots \mathrm{~Pa}^{31} \mathrm{ni}^{33} \mathrm{ia}^{31} \mathrm{n}_{\mathrm{m}}{ }^{31} \ldots$
in the future, $\mathrm{Pi}^{55} \mathrm{zar}^{31}$
in the past, $\mathrm{ia}^{31}$
in turn, $\mathrm{a}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{in}^{55}{ }^{5} 1^{31}$
in unison, together, $\mathrm{da}^{33} \mathrm{si}^{55}$
in vain; for nothing, $a^{31} t \varphi^{h} u \eta^{55} t \varphi^{h} u \eta^{55} \mathrm{ua}^{33}$
inanimate, $\mathrm{ma}^{31} \mathrm{yen}^{55} \mathrm{uq}^{33}$
incense, $60^{55}$
incense burner, $6^{55} \mathrm{Va}^{53}{\mathrm{~d} \varepsilon \mathrm{~m}^{55}}^{55}$
incessantly, $\mathrm{ma}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{ua}^{33}$
inch, $\mathrm{ts}^{\mathrm{h}} \mathrm{u} \tilde{\varepsilon}^{35}$ (Ch.)
inchoative (INCH), $-\mathrm{a}^{31} \mathrm{ni}^{55}, \mathrm{a}^{31} \mathrm{ni}^{35}$
incisors, front teeth, $\mathrm{ma}^{55} \mathrm{su}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{a}^{31}\left(\mathrm{buu}^{31} \mathrm{dza}^{55}\right)$
incite, provoke, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{53} \mathrm{Po}^{33}$, $\mathrm{ts}^{31} 1 \varepsilon^{33}$ (Lisu)
incite to contention, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{53} \mathrm{Po}^{33}$
incorrect; wrong, $\mathrm{ma}^{31} \mathrm{du}^{31}$
including, $\eta \varepsilon^{31} \eta\left(\eta^{55}, \operatorname{ta}^{55} \mathrm{ti}^{55}\right.$
increase, bumm ${ }^{31} \mathrm{a}^{31} \mathrm{na}^{55}$
increase, $\mathrm{sa}^{33} \mathrm{mo}^{31}$
increase, $a^{31} n u l^{55} \mathrm{u}^{31}$
increase, gain, $\mathrm{\eta}^{31} \mathrm{dzan}^{55} \mathrm{dzan}^{33}$
indeed, to one's pleasant surprise, $\mathrm{r}^{31} \mathrm{li}^{55}$
index finger, $\mathrm{ni}^{3{ }^{31}} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{55}$
India ink (fluid), $m \varepsilon^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31}$
Indian, mien $\left.{ }^{55} \mathrm{tic}^{55} \mathrm{a}^{31} \mathrm{ts}\right)^{\mathrm{h}} \mathrm{ar}^{31}$
indicative particle (IND), $\varepsilon^{31}$
indirectly opposite, $\mathrm{di}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
inexperienced, $\operatorname{con}^{55} \mathrm{CO}^{55} \eta \varepsilon^{55}<$ 'tender'
individually, $\mathrm{Pr}^{31} \mathrm{lug}^{35} \mathrm{P} \mathrm{g}^{31}$
individuals, $\mathrm{ua}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{man}^{31}$
infect, to, $\mathrm{a}^{31} \mathrm{t}_{\mathrm{c}} \mathrm{h}^{\mathrm{i}}{ }^{55}{ }^{5} \mathrm{~s} 1^{31}$
infected, $\mathrm{Pa}^{31} \mathrm{ga}^{55} \mathrm{Pd} \varepsilon^{25}$
inflate, $s a)^{55} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31}$
infuse tea, $\mathrm{la}^{31} \mathrm{tcq}^{55} \mathrm{~d} \not \mathrm{quy}{ }^{53} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
ingredient for Chinese medicine (rhizome?), $\mathrm{ta}^{55} \mathrm{xuan}^{31}$
ingroup, $\mathrm{a}^{31} \mathrm{ni}^{35} \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ay}^{31}$
inhale, ${P a^{31} \mathrm{xa}^{55} \mathrm{Sl}^{31}}^{31}$
inherit, $\mathrm{bu}^{31} \mathrm{sqn}^{31} ; \mathrm{bu}^{31} \mathrm{sqn}^{55}$
initiate, pioneer, $\operatorname{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55} \operatorname{cin}^{31}$
injection, give, $\mathrm{t}^{\mathrm{h}} \mathrm{u}^{55}$
injection, have, ? $\mathrm{uam}^{55} \mathrm{cal}^{53} \mathrm{u}^{31}$
injure arm, $\mathrm{Pa}^{31} \mathrm{dza}^{35} \mathrm{a}^{31} \mathrm{ba}^{33}$
ink, Chinese, $m \varepsilon^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31}, \mathrm{~m} \varepsilon^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{31}$ (1/2Ch.)
ink, $\mathrm{me}^{31}$ sue $^{53}$ (Ch.)
ink box, $m \varepsilon^{31} \mathrm{Yo}^{31}$
inn, mu ${ }^{31} \mathrm{n}^{3} \mathrm{n}^{55} \mathrm{nim}^{55} \mathrm{za}^{55}$
inner side of elbow = elbow, $\mathrm{a}^{31} \mathrm{vu}^{35} \mathrm{du}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{an}^{55}$
insect, $\mathrm{bu}^{31}{ }^{3} \mathrm{~min}^{55}$; bu ${ }^{31}{ }^{1} \mathrm{wn}^{55}$
insect becoming pupa, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{55}$
insect, hard-shelled, $\mathrm{no}^{31} \mathrm{ua}^{31} \mathrm{dum}^{31} \mathrm{ba}^{31}$
insect which eats bamboo or wood; silverfish, riceworm, $6 \mathrm{Mr}{ }^{55} \mathrm{Iom}^{33}$
insert (in dirt), $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ru}^{31}, \mathrm{tc}^{\mathrm{h}} \mathrm{qn}^{35}, \mathrm{tc}^{\mathrm{h}} \tilde{\mathrm{a}}^{35} ; \mathrm{ka}^{31} \mathrm{t}^{\mathrm{h}} 1^{31} \mathrm{mo}^{33}, \mathrm{di}^{33} \mathrm{ia} \mathrm{\eta}{ }^{35}$
inside corner, $\mathrm{Sl}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{u} \mathrm{g}^{55}, \mathrm{Pi}^{55} \mathrm{ku}^{33}$ (Lisu)
inside corner, $\mathrm{pu}^{55} \tan ^{33} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{~S} 1^{55}$
inside of knee, $\mathrm{ba}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{in}^{55} \mathrm{~d} \mathrm{z} \mathrm{i}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{un}^{55}$
inside, $\mathrm{Pi}^{55} \mathrm{dur}^{33}$, dun ${ }^{55}$, duy ${ }^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
install, erect, $\mathrm{di}^{31} \mathrm{dzui}^{55}, \mathrm{an}^{55}$ tsuan $^{55}$ (Ch.)
install, $\mathrm{sa}^{31} \mathrm{u}^{31}$
install; fix, an ${ }^{55}$ tsuan ${ }^{55}$
instantive (As soon as $\mathrm{X}, \mathrm{Y}$ ), $\mathrm{t}^{\mathrm{h}} \tilde{\mathrm{a}}^{31} \ldots \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35}$
instep, a $^{31} \mathrm{xa}^{35} \mathrm{t}^{\mathrm{h}} \mathrm{ay}^{55}$
instigate, incite, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{i}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ts}^{31}{ }^{31} \varepsilon^{31} \mathrm{n}_{\mathrm{i}}{ }^{33}{ } \mathrm{\gamma}^{35}$
instrumental (INSTR), $\mathrm{mi}^{55}$
instrumental (INSTR), $\mathrm{mi}^{53} \mathrm{dur}^{31}$
instrumental (INSTR), dzom ${ }^{31} / \mathrm{dzumm}^{31} \mathrm{~S} \mathrm{~S}^{55}$
intelligent, bright, clever, $s 1^{31} \mathrm{da}^{55} \mathrm{u}^{33}$
intention, $\mathrm{i}^{35} \mathrm{~s}^{55}$
intentionally, $\mathrm{ma}^{31} \mathrm{ma}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$
intercede, to, $\mathrm{a}^{31} \mathrm{du}^{55} \mathrm{P} \mathrm{d} \not \varepsilon^{35}$
intercept, stop, to, ga $^{55} \mathrm{t}^{\mathrm{h}} \mathrm{am}^{53}$
interest (money), $?^{31} \mathrm{k}^{\mathrm{h}} \mathrm{au}^{55}$
interest (money), $\mathrm{y}^{31} \mathrm{dzan}^{55}$
interest, profit, $\mathrm{ma}^{31} \mathrm{~d}_{\mathrm{d}} \mathrm{m}^{55}$
interjection, $\mathrm{Ro}^{55} \mathrm{ue}^{31}$ (praise and admiration)
interjection, $\mathrm{tse}^{31}$ (regret or sympathy)
interjection, $\mathrm{pfu}^{31}$ (disagreement or a negative response)
interjection, $\tilde{\mathrm{e}}^{31}$ (sigh with emotion)
interjection, $\tilde{\mathrm{a}}^{31}$ (shows understanding)
interjection, $\mathrm{p}^{\mathrm{h}} \mathrm{e}^{53}$ ! (phish! usually shows contempt)
interjection, $\mathrm{n}^{31} \mathfrak{y}^{35}$ (expresses displeasure)
interjection, $\mathrm{Po}^{55}, \mathrm{na}^{53}$ (to get listener's attention)
interjection, $\mathrm{fr}^{55}$ (sigh, futility)
interjection, $\mathrm{a}^{55} \mathrm{Xu}^{55}$ ! (hey! (see grammar))
interjection, $\mathrm{ca}^{55}, \mathrm{a}^{55} \mathrm{mi}^{55}, \mathrm{a}^{55} \mathrm{tcul}{ }^{33}$ (surprised, thrilled, stunned)
interjection, $\mathrm{a}^{55} \mathrm{iun}{ }^{55}$ (ouch)
interjection, $\mathrm{a}^{33} \mathrm{tcuw}^{33}$ ! (Gosh!)
interjection, $\mathrm{a}^{31} \mathrm{la}^{55}, \mathrm{la}^{55} \mathrm{iwn}^{55}$ (pain, discomfort)
interpret, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}{ }^{6} \mathrm{i}^{31} \mathrm{nin}^{55}$
intestinal worm, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{buw}^{31} \mathrm{zon}^{31}$
intestine, large, $\mathrm{p}^{\mathrm{h}} \mathrm{w}^{31} \mathrm{iw}{ }^{55}$ nan $^{55}$
intestine, small, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{ium}^{55} \mathrm{ba}^{55}$
intestines, $\mathrm{p}^{\mathrm{h}} \mathrm{um}^{31} \mathrm{im}^{55}$
introduce, present (people), $\mathrm{ci}^{31} \mathrm{nin}^{55}$
inundate, to, $\mathrm{nim}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
invitation, $\mathrm{p}^{\mathrm{h}^{55}} \mathrm{dza}^{55}$
invite, entertain (guests), $\mathrm{t}^{\mathrm{h}} \tilde{\mathrm{a}}^{31} \tilde{\mathrm{u}}^{31}$
invoice, $\mathrm{fa}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{iau}^{35}$ (Ch.)
involuntary, $\mathrm{ni}^{55}{ }^{55} \mathrm{un}^{55} \mathrm{sam}^{31} \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31}$
iron, $\mathrm{Sa}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{an}^{55}>\mathrm{Ca}^{31} \mathrm{k}^{\mathrm{h}} \tilde{\varepsilon}^{55}$
iron, wrought, $\mathrm{xu}^{55} \mathrm{mi}^{55}$
iron, wrought, $\varphi a^{31} \mathrm{k}^{\mathrm{h}} \tilde{\varepsilon}^{55} \operatorname{nin}^{55}$
irrigate, $\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{m}^{53}$
issue salary, $\gamma \mathrm{w}^{55} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{m}^{55} \mathrm{dzil}^{53} \mathrm{u}^{31}$
it sells well, $n \varepsilon \mathrm{~m}^{33} \operatorname{san}^{55} \varepsilon^{31}$
itch, $\mathrm{bul}^{31} \mathrm{san}^{55}$
itch, have, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{~d} \varepsilon^{31} \mathrm{dzu}{ }^{55}$
ivory, $\mathrm{mo}^{31} \mathrm{gul}^{31} \mathrm{a}^{31} \mathrm{sa}^{31}$
jack-of-all-trades, $\mathrm{ka}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{l}^{31} \mathrm{gux}^{31} \mathrm{so}^{55} \mathrm{mu}^{53}$
jackal, yi ${ }^{31} \mathrm{t}^{\mathrm{h}} \mathrm{o}^{35}$ (Lisu)
jackal, $\mathrm{i}^{31}$ ?dzum ${ }^{55}$
jacket, lined, $a^{31} n_{i}{ }^{33}{ }^{6} i^{31} \lim ^{33}$
jade, $y^{35} s 1^{31}$
jail, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{am}^{55} \mathrm{za}^{55}$
jailor, $\mathrm{p}^{\mathrm{h}} \mathrm{am}^{31} \mathrm{ba}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{35} \mathrm{su}^{55}$
January, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{la}^{33}, \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{~s}^{31} \mathrm{la}^{55}$
jar, earthen, $t^{\text {h }}{ }^{\text {un }}{ }^{55}$
jar, earthernware, $\mathrm{sa}^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
jar, large and open-mouthed, $\mathrm{b} \varepsilon^{31} \mathrm{t}^{1 \mathrm{r}^{55}}$
jar, large and open-mouthed, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ya}^{35} \mathrm{~d} \mathrm{mu}^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
jaw bone, $\mathrm{mul}^{31}$ yam $^{55}$
jaw; chin; cheek, mur ${ }^{31}$ i $^{31}$
jealous, envious, $\mathrm{ni}^{55}{ }^{5}$ nan $^{55}$
jealous, envious, $\mathrm{nim}^{31} \mathrm{z}^{55} \mathrm{u}^{31}$
jewelry, $\mathrm{a}^{31} \mathrm{~b}, 1^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
Jiarong, $\mathrm{n}^{31} \mathrm{~s} 1^{55}$
jiggle the feet, $a^{31} n_{n} \mathrm{~m}^{55}$
jin, a measure of, $\mathrm{gam}^{55} ; \mathrm{t}^{\mathrm{h} \mathrm{i}^{31}} \mathrm{gam}^{55}$
jins, two, $a^{31} \mathrm{ni}^{\mathrm{i} 5}{ }^{5} \mathrm{gam}^{55}$
Job's tears, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{~m}^{55} \mathrm{bu}^{31} \mathrm{si}^{31}$
join two ends of rope, $\$ 1^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{55}$
join, attend, $\mathrm{zam}^{31} \mathrm{~S}^{55}, \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{tcq}^{55}$ (Ch.)
join, link, $n \varepsilon^{55} \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{31}$
joint, $\mathrm{n}^{31} \mathrm{t}_{\mathrm{t}}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{n}_{\mathrm{i}} \mathrm{i}^{55}$
joke, $a^{31} t^{\text {m }}{ }^{\text {² }}{ }^{55}$
joke (verbally), $1 \varepsilon^{31} \mathrm{S1}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{55} 1 \varepsilon^{31} \mathrm{~S} \mathrm{l}^{31} \mathrm{a}^{31} \mathrm{xi}{ }^{55}$
joyful, delighted, na $^{31} \varepsilon^{55}$
jug; jar; can, $\mathrm{d}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{m}^{55}$
jug, $\left.\mathrm{tc}^{\mathrm{h}} \mathrm{u}\right)^{55}$
judge, $\mathrm{a}, \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ni}^{55}{ }^{5} \mathrm{su}^{55}$
judge, to, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{n}_{\mathrm{i}}{ }^{55} \mathrm{u}^{31}$
juice, $\mathrm{ts}^{\mathrm{h}} 1^{31}$
July, $\mathrm{s}^{\mathrm{n}^{55}} \mathrm{la}^{55}$
jump, $\mathrm{s}^{31} \mathrm{lam}^{55}$
jump, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{z}^{1} \mathrm{~m}^{55} \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31}$
jump, $1 u^{31} \operatorname{tur}^{35} \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{3}$
jump, descend, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{55}$
jump rope, $a^{31}$ xum $^{55} a^{31} t s^{h} a \eta^{31}$
June, kuy ${ }^{55} \mathrm{la}^{55}$
just now, $\mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{~m} \varepsilon^{55} \mathrm{sa}^{55} \mathrm{n}_{\mathrm{n}} \mathrm{u}^{31}$
just now, is ${ }^{55} \operatorname{san}^{31} \mathrm{n}_{\mathrm{n}} \mathrm{um}^{31}$
just now; a moment ago, tc ${ }^{\mathrm{h}} \varepsilon^{31} \mathrm{~m} \varepsilon^{55}$
keep company with, $\mathrm{r}^{31} \mathrm{da}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{xua}^{31} \mathrm{~s}^{31}$
keep for oneself, $\mathrm{ga}^{35} \mathrm{u}^{31}$
keep secret; conceal, $\mathrm{man}^{53} \tilde{\mathrm{u}}^{31}$
keep, to, $\mathrm{k}^{\mathrm{h}} \varepsilon^{55} \mathrm{~g} \varepsilon \eta^{31}$
kernel, $\mathrm{d} \varepsilon^{31} \mathrm{~g} .7^{55} \mathrm{dan}^{31}$
kernel, nut, $\mathrm{n}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31}, \mathrm{Po}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31}$
kerosene, $t \tilde{a}^{35} t^{h}{ }^{\text {h }} \mathrm{w}^{31}$ (Burmese)
kerosene, $\mathrm{me}^{31} \mathrm{ium}^{31}$
kettle, pot, sui ${ }^{55} \mathrm{fu}^{31}$ (Ch.)
key, $\left(\mathrm{a}^{31}\right) \mathrm{p}^{\text {h }} \mathrm{i}^{35} \mathrm{du}^{55}$
key, $\mathrm{su}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{31}$
kick, ( $\mathrm{a}^{31}$ ) $\mathrm{dim}^{55}\left(\mathrm{u}^{31}\right)$; $\operatorname{dim}^{55}$
kick (as a horse), $\mathrm{ma}^{31} \mathrm{di} \mathrm{m}^{53}$
kid (goat), $a^{31} b \varepsilon^{55} t^{\text {h }}$ 的 ${ }^{31}$
kidney, $\mathrm{Py}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{T}^{31} \mathrm{za}^{55}$
kidney $=$ lungs, $\mathrm{i}^{31} \mathrm{swu}^{55}$
kill (chicken), $\operatorname{san}^{55}\left(\mathrm{u}^{31}\right)$
kiln, charcoal, $\mathrm{xum}^{31} \mathrm{sum}^{31} \mathrm{mur}^{55} \mathrm{za}^{55}$
kind, good, decent, nim ${ }^{31} \mathrm{sl}^{31} \mathrm{la}^{33}$
kind, polite, amiable, num ${ }^{55} \varepsilon^{31}$
kind of medicine, $\tan { }^{55} \mathrm{kui}^{55}$
kindling, tinder, $\mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{55} \mathrm{lim}^{53}$
kinds, ts ${ }^{\text {h }}{ }^{31}$
kiss (a child), $\mathrm{t}_{6}{ }^{\mathrm{h}} \mathrm{im}^{55}$
kitchen ashes, $\mathrm{p}^{\mathrm{h}} \mathrm{um}^{31} \mathrm{ic}^{31}$
kitchen god (rock spirit), $x^{5 u}{ }^{55} \operatorname{ts}^{\text {h }} 1^{31}$
kitchen, $\mathrm{a}^{31} \mathrm{grl}_{1}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{in}^{55} \mathrm{t}_{6}{ }^{\mathrm{h}} \mathrm{im}^{31}$
kitchen stove, $\mathrm{mu}^{55} \mathrm{z} / \mathrm{zam}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{un}^{55}$
kite (bird), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{mu}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{l}^{55}$
kitten, $m u^{31} \mathrm{ni}^{31} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
knead (food), $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{31} \mathrm{ru}^{31}$
knead (dough), $\mathrm{a}^{31} \mathrm{na}^{31} \mathrm{u}^{31}$
knead (dough), $a^{31} t \epsilon^{\text {h }} u \eta^{31}$
knee cap, $\mathrm{ba}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{in}^{55} \mathrm{da}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{mm}^{55}$
knee, $\mathrm{ba}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{in}^{55}\left(\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{pi}^{55}\right)$
kneel, $g u^{31} \mathrm{i}^{55}$
knife back, $\varsigma \varepsilon \mathrm{m}^{31} \mathrm{da}^{31}$ guy $^{31}$
knife blade, $c \varepsilon \mathrm{~m}^{31} \mathrm{sa}^{31}$
knife face, $\varsigma \varepsilon \mathrm{m}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{am}^{55}$
knife for cutting hair, $\left.\mathrm{a}^{31} \mathrm{ni}^{55} \mathrm{Ci}^{31} \mathrm{lim}^{55} \mathrm{dem}^{55}\left(\text { ci }^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{wn}\right)^{55}\right)$
knife for hay cutting, $a^{31}{ }^{1} \mathrm{In}^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}{ }^{5} \varepsilon \mathrm{~m}^{31}$
knife handle, $68 \mathrm{~m}^{31} \mathrm{da}^{31}$ gur $^{31} \mathrm{dzn}^{55}$
knife opening, $\subset \varepsilon \mathrm{m}^{31} \mathrm{sa}^{31}$
knife point, $\left.\epsilon^{6} \mathrm{~m}^{31} \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}\right)^{55}$
knife, $¢ \varepsilon \mathrm{~m}^{31}$
knife, don ${ }^{55}$

knife, long, dza ${ }^{31} \mathrm{ma}^{31}$
knife point, $\varsigma \varepsilon \mathrm{m}^{31} 1 \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u} \eta^{55}$
knife, short, $6 \varepsilon \mathrm{~m}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55}$ don ${ }^{55}$
knife, small, $\operatorname{ci}^{55}{ }^{5} \epsilon^{1{ }^{1}}{ }^{33}$
knife, short sword, $¢ 8 \mathrm{~m}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{don}^{55}$
knife, vegetable, $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{33} \mathrm{a}^{31} \mathrm{zan}^{55} \mathrm{~d}^{2} \mathrm{~m}^{55}, ~ ¢ \varepsilon \mathrm{~m}^{31}$
knit, to (cf. braid), $\mathrm{Pban}^{53}$
knit the eyebrows, $\mathrm{ma}^{55} \mathrm{tss}^{5} \mathrm{n}^{55} \mathrm{dum}^{31}$
knight, legendary, $1 \varepsilon^{31} \mathrm{bu}^{55}$
knit (eyebrows), $\mathrm{ma}^{55} \mathrm{tşn}^{55} \mathrm{du}^{3}$
knitting needle, $\mathrm{i}^{31} \mathrm{ni}^{\mathrm{i} 5}{ }^{55}$
knitting needle, $\mathrm{y}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{55}$
knitting wool, $\epsilon^{55} \mathrm{~min}^{31} \mathrm{bum}^{55}$
knock against, beat, yom ${ }^{55}$
knock at door, $n a^{31} t^{4} \operatorname{cin}^{55} \mathrm{a}^{31} n a \eta^{31} \mathrm{u}^{31}$
knot; button, $\mathrm{ga}^{55} \mathrm{ta}^{55}$
knot on string/rope, $\mathrm{y}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{55}, \mathrm{t}^{\mathrm{h}} \mathrm{im}^{55}$
knot, to, $\mathrm{y}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{33}$, $\mathrm{t}^{\mathrm{h}} \mathrm{im}^{55}$
knotty, $\mathrm{di}^{31} \mathrm{ca}^{55}$
know (things), $a^{31}$ nuin ${ }^{31} u^{31}$
know, $\mathrm{ni}^{\mathbf{5 5}}$, cause to, $\mathrm{ci}^{31} \mathrm{ni}^{55}$
know, recognize, $\mathrm{a}^{31}$ so $^{55}$
know; understand, so ${ }^{53}$
knuckles, $\left(\mathrm{a}^{31} \mathrm{vu}^{55}\right) \mathrm{ni}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{n}_{\mathrm{o}} \mathrm{i}^{55}$
Kong Mountain, kuy ${ }^{31}$ cua $^{55}$
kowtow, to, $\mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{ug}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{~S} 1^{33}$
Kunming, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{55} \min ^{31}$ (Ch.)
lace, $¢$ um ${ }^{55} \mathrm{ven}^{55} \mathrm{ma}^{55} \mathrm{xun}^{55}$
lace (shoes), gnt ${ }^{31}$
lack, be short of, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{gi}^{55}$
lacquer, $\mathrm{ts}^{55}{ }^{55} \mathrm{dz}{ }^{31}$
lacquerware, $\mathrm{ts} 1^{55} \mathrm{dz}_{1}{ }^{31} \mathrm{a}^{31} \mathrm{ma}^{55} \mathrm{so}^{31} \mathrm{mu}^{53}$
ladder, lun ${ }^{31}$ don ${ }^{53}-v$
laddle, wooden, $\mathrm{mu}^{55} \mathrm{~d}_{\mathrm{sim}}{ }^{31}$
ladle water, bail, $\operatorname{do}^{53}{ }^{53}{ }^{55}, \mathrm{do}^{55}$
ladle, scoop out, $\mathrm{k}^{\mathrm{h}} \mathrm{am}^{53}$
lake, $\epsilon^{55}$ dom $^{55}$, ts $^{\text {h }}{ }^{31} \mathrm{dom}^{55}$
lamb, $\mathrm{a}^{31} \mathrm{ian}^{31} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
lame, $\mathrm{di}^{31}{ }^{\text {sa }}{ }^{31}$

lamp (oil lamp), $\mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{55} \mathrm{v} \mathrm{\varepsilon}^{33}{\mathrm{~d} \varepsilon \mathrm{~m}^{55}}$
lamp, hanging, $\left.\mathrm{bu}^{55} l \varepsilon^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{u}\right)^{31}, \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{Pmu}^{55}$
land boundary, $\mathrm{mu}^{31} \mathrm{dum}^{31} \mathrm{xan}^{53}$
land, once cultivated but now abandoned, $\mathrm{zl}^{31} \mathrm{bumm}^{55}$
land, to, $\mathrm{di}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{55} \mathrm{ba}^{31} \mathrm{sam}^{53}$
land plane, $\mathrm{Pa}^{31} \mathrm{nan}^{35} \mathrm{ian}^{35} \mathrm{St}^{31} \mathrm{la}^{31} \mathrm{di}^{35}$
land (virgin), $\mathrm{tc}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{\gamma a}^{31}$
landowner, $\mathrm{ti}^{35} \mathrm{tsu}^{53}$
landslide, $\mathrm{a}^{31} \mathrm{din}^{55}$
lane, alley, $\mathrm{dz}_{1}{ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{E}^{31}$
language, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}{ }^{33}$
lap, $\left.\mathrm{p}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{u}\right)^{31}$
lapel, front of Chinese jacket, $\mathrm{b} \varepsilon^{31} l \varepsilon^{31} t \epsilon^{1{ }_{1}^{5}}{ }^{55}$
lard; pig fat, $\mathrm{Po}^{55} \mathrm{su}^{53}$
largely, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{lu}^{55}$
last month, $\mathrm{ma}^{55} \mathrm{su}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{~s} \mathrm{l}^{31} \mathrm{la}^{55}$
last night, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ma}^{55} \mathrm{~s}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
last one, $\eta^{31} t^{h} a \eta^{55} t^{h} \alpha \eta^{33} t^{h} i^{55} n u^{31}$
last, $\mathrm{il}^{55} \mathrm{ian}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
late (come late), $\mathrm{ts}^{\mathrm{h}} \mathrm{s}^{31} \operatorname{tau}^{55}$ (Ch.)
late, $\mathrm{ko}^{55} \mathrm{~mm}^{31} \mathrm{dzal}^{55}\left(\mathrm{a}^{31} \mathrm{ba}^{31}\right)$
later, $\mathrm{ii}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{a} \mathrm{\eta}{ }^{55}$
later, $\mathrm{Pi}^{55} \mathrm{ian}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
later generation, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{la}^{55}$
laterite (red soil or clay), $\mathrm{a}^{31} \mathrm{sa}^{55} \mathrm{bul}^{31} \mathrm{se}^{55}$
laugh, to, ( $\mathrm{a}^{31}$ ) $\mathrm{xi}^{55}$
laugh, to, $\mathrm{Pa}^{31} \mathrm{xa}^{31} \mathrm{o}^{55}$
laundryman, $\mathrm{ga}^{31} \mathrm{mul}^{31} \mathrm{~Pa}^{31} \mathrm{~d} \mathrm{z}_{\mathrm{q}} \mathrm{n}^{55} \mathrm{su}^{55}$
lax, loose, slack, gug ${ }^{55} \varepsilon^{31}$
lay aside, $\mathrm{tc}^{\mathrm{h}} \mathrm{o}^{33} \mathrm{ua}^{33} \mathrm{da}^{33}$
lay bricks, $\mathrm{di}^{31}$ dzum ${ }^{31}$
lay egg, $\lim ^{35}\left(\mathrm{u}^{31}\right)$
lay foundation, $\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{za}^{55} \mathrm{du}^{33} \mathrm{u}^{31} / \mathrm{dv}^{33} \mathrm{u}^{31}$
lazy, $\mathrm{a}^{31} \mathrm{ba}^{55} ; \mathrm{a}^{31} \mathrm{beq}{ }^{53}$
lazy, $\mathrm{Py}^{31} \mathrm{bumm}^{55}$
lazy, $\mathrm{a}^{31} \mathrm{lim}^{31}{ }^{\mathrm{S}} \mathrm{S}^{55}$
lead (cow), cin $^{31} ;$ ci $^{31}$ nun $^{31}$
lead, guide, to, $\operatorname{ci}^{31} n^{51} 0^{31} ; \operatorname{cin}^{31} ; \operatorname{cin}^{31} \mathrm{u}^{31} ; \mathrm{ad}^{31} \operatorname{cin}^{33}$
leaf lettuce, $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \mathrm{mu}^{31} \mathrm{naq}^{31}$
leaf (tree), dzi ${ }^{33} \mathrm{c}_{\mathrm{Gm}}{ }^{55}$
leaf; clf. for two dimensional flat rigid things, $\varphi \varepsilon \mathrm{m}^{55}$
leak (water), $\mathrm{a}^{31} \mathrm{iw}{ }^{55} \mathrm{u}^{31}$
lean (meat), skinny (person), $n \varepsilon^{33}$
lean on, nam ${ }^{33}{ }_{51}{ }^{31}$
lean on pillow, $\mathrm{ma}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{33} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{nam}^{55} \mathrm{~S} \mathrm{l}^{31}$
learn, $t_{6}{ }^{\mathrm{h}} \mathrm{E}^{31}$
learn to read and write (elementary school), $c y^{31} c y^{31}, c y e^{31} c^{31}$ (Ch.)
leather clothing, $\mathrm{Ca}^{55} \mathrm{sam}^{31} \mathrm{ga}^{31} \mathrm{mu}^{31}$
leather shoes, $6 \mathrm{a}^{55} \mathrm{sam}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{33} \mathrm{ni}^{33}$
leave, $\mathrm{t}^{\mathrm{k}} \mathrm{in}^{55} \mathrm{se}^{31}$
leave security, $\mathrm{po}^{33}$
leave security, $\mathrm{dz}_{1}{ }^{35} \mathrm{n} \varepsilon \mathrm{i}^{55} \mathrm{io}^{55}$
leave with (in somebody's care), $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{um}^{31} \mathrm{za}^{55}$
leech (water), nin ${ }^{55}$
leeks, $\mathrm{d}_{\mathrm{q}}{ }^{55}{ }^{5}{ }^{6} \mathrm{~mm}^{55} \mathrm{bum}^{55} \mathrm{mu}^{55} \mathrm{dim}^{55}$
leeks, chive, $\mathrm{sa}^{31} \mathrm{~b} \cdot 1_{1}^{55}$ (wild)
left handed, $1 \varepsilon^{31} \mathrm{\gamma um}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
left overe, remain, $\mathrm{Pa}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$
left side, $\mathrm{m}^{31} \mathrm{~d}_{\mathrm{za}} \mathrm{an}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}, l \varepsilon^{31} \mathrm{\gamma}^{55}{ }^{55}$ (Lisu)
leftovers, $\mathrm{k}^{\mathrm{h}} \mathrm{en}^{55}{ }^{5} \mathrm{in}^{5}$
leg, $\mathrm{p}^{\mathrm{h}} \mathrm{an}^{33}\left(\mathrm{t}^{\mathrm{h}} \mathrm{ug}^{33}\right)$
leg hair, $\mathrm{p}^{\mathrm{h}} \mathrm{an}^{55} \min ^{55}$
leg, thigh, $\mathrm{p}^{\mathrm{h}} \mathrm{an}^{55}$
legal wife, $\mathrm{mu}^{31} \mathrm{dzu}^{31} \mathrm{mum}^{31}$
leggings, $\mathrm{p}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
leggings, $a^{31} \mathrm{xa}^{35} \mathrm{xuan}^{55}$
lend money on usury, $2 \mathrm{~d} \varepsilon \mathrm{~m}^{55} \mathrm{di}^{31} \mathrm{t}_{\mathrm{S}^{\mathrm{h}}} 1^{31} \mathrm{u}^{31}$
lend out, $\mathrm{na}^{53} \mathrm{u}^{31}$
length, $\mathrm{ia}^{33} \mathrm{za}^{55}, \mathrm{n}_{\mathrm{a}} \tilde{\mathrm{a}}^{33} \mathrm{za}^{55}$
length of fist plus width of finger, $\mathrm{gu}^{31}$
lenient; forgive, $\mathrm{a}^{55} \mathrm{gu}^{31} ; \mathrm{ga}^{31} \mathrm{gu}^{31}$
leopard, $\mathrm{i}^{31} \mathrm{dzun}^{55}, \mathrm{la}^{31} \mathrm{mu}^{55} \mathrm{du}^{31}$ (Lisu)
leoprosy, have, $\mathrm{a}^{31} \mathrm{dza}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{in}^{55} \mathrm{~S} 1^{31}$
letter (mail), $1 \varepsilon^{31} \mathrm{su}^{55}$ (Lisu), $s 1^{55} \mathrm{va}^{31} l \varepsilon^{31} \mathrm{su}^{55}$
level, flat, $\eta^{31} \mathrm{sa}^{31} \mathrm{xan}^{55} ; \mathfrak{\eta}^{31} \mathrm{sa}^{31} \mathrm{xen}^{55}$
level up, di ${ }^{31}$ d $\operatorname{zin}^{31}$
$1 \varepsilon^{31} \mathrm{bu}^{31} \mathrm{p}^{\mathrm{h}} \varepsilon^{31} \mathrm{lem}^{31}$ (Lisu)
li (mile), $\mathrm{i}^{31} \mathrm{li}^{53}$ (Ch.)
lice comb (double-edged, fine-toothed), $\mathrm{a}^{31} \mathrm{~S}_{1}^{55} \mathrm{bul}^{31} \mathrm{dzil}^{55}$
lice, have, cumi ${ }^{55} \mathrm{no}^{31} \varepsilon^{31}$
lick, $\mathrm{qa}^{55} \mathrm{nu}^{31}, \mathrm{ha}^{55} \mathrm{~d}_{\mathrm{zu}} \mathrm{u}^{31} \mathrm{nu}^{33}$
lick, lap, lan ${ }^{55}$, łan $^{55}$
lid; cover, $\mathrm{d}^{31} \mathrm{dza}^{33} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{55}$
lid; cover, $\mathrm{d} \varepsilon^{31} \mathrm{t}^{\mathrm{h}} \mathrm{um}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{um}^{31}$
lie down, $\mathrm{bu}{ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{ar}^{55} \mathrm{~S}^{31} ; \mathrm{t}^{\mathrm{h}} \mathrm{ar}^{33} \mathrm{~s} \mathrm{\varepsilon}^{33}$
lie flat on stomach, ground, $\mathrm{mo}^{31} \mathrm{ni}^{33} \mathrm{ya}^{55} \mathrm{~S} 1^{31}$
lie, to, nim $^{55} \varepsilon^{55}$
life, $s a \eta^{55}$ bun ${ }^{55}, g u t^{33} t^{\text {h }} \mathrm{a}^{35}$
lift, $\mathrm{na}^{31} \mathrm{u}^{31}$; yanu $\mathrm{u}^{31}$
lift (head), $\mathrm{ts}^{\text {h }} \mathrm{ar}^{55} \mathrm{a}^{31} \mathrm{~S}^{55}$
lift open (a lid), hãa ${ }^{31} ;$ ha $^{55} \mathrm{~S} 1^{31}$
lift; carry, $\mathrm{a}^{31} \mathrm{gi}^{31}$
lift up; hold up, $\mathrm{p}^{\mathrm{h} \mathrm{a}^{31} \mathrm{gi}^{35} \mathrm{gu}^{31}}$
lift up (from bottom), $\mathrm{xu}^{33} \mathrm{u}^{55}$
lifting cord of a steelyard, $\left.n \varepsilon^{31} \mathrm{~d}_{\mathrm{m}}{ }^{55} \mathrm{a}^{31} \mathrm{xump}\right)^{55}$
light (fire), $\mathrm{dzu}^{31} \mathrm{u}^{31} ; \mathrm{dzu}^{31}$
light (fire), $\mathrm{f} \tilde{\varepsilon} \eta^{31} u^{31}$
light (fire), $\lim ^{55}$
light (firewood), f $\tilde{y} \eta^{53} ; \mathrm{ven}^{31} \mathrm{u}^{31}$
light (from moon), $\mathrm{p}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{Rga}^{55}$
light (lamp), $\mathrm{f} \varepsilon^{31}, \mathrm{v} \varepsilon^{31}$
light (weight), $\mathrm{a}^{31} \mathrm{n}_{\mathrm{a}} \mathrm{a}^{31}\left(\varepsilon^{31}\right)>\left(\mathrm{a}^{31}\right) \mathrm{n}^{31} \tilde{\mathrm{a}}^{31}\left(\varepsilon^{31}\right)$
light bulb, tuy ${ }^{55} \mathrm{p}^{\text {h }} \mathrm{an}^{35}$
light, a, $\mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{55}{ }^{\mathrm{v}} \varepsilon^{33} \mathrm{~d}^{2} \mathrm{~m}^{55}$
lightning, $m u^{55} t^{\mathrm{h}}{ }^{\mathrm{h}}{ }^{31} \mathrm{a}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31} 1 \varepsilon \mathrm{~m}^{31}$
lightning (flash), $\mathrm{Pa}^{31} \mathrm{t}^{\mathrm{h}}{ }^{\mathrm{h}} \mathrm{i}^{31} 1 \varepsilon \mathrm{~m}^{31}$
like, to, $n a^{55} \mathrm{~s}^{31}$
like, to, $\varsigma_{1}^{31} \mathrm{nan}^{55} \mathrm{~S}^{31}$
like that, $\mathrm{xo}^{33} \mathrm{io}^{55}, \mathrm{xo}^{33} \mathrm{io}^{55}, \mathrm{Po}^{55} \mathrm{\eta u}^{31}, \mathrm{Po}^{35} \mathrm{di}^{33}, \mathrm{Po}^{55} \mathrm{\eta u}^{31}, \mathrm{o}^{31} \mathrm{io}^{55}$
lily, $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55}$
lily flower, dried, $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \mathrm{ven}^{55}$
limbs (arms and legs), b. $I^{31} \mathrm{bu}^{55}$
lime, $\$ 1^{31} \mathrm{xue}^{55}$ (Ch.), $\mathrm{S}_{1}{ }^{31} \mathrm{xue}^{55} \mathrm{So}^{35} \mathrm{xi}^{44}$
lime, luy ${ }^{55} \mathrm{ua}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$
lime, $\mathrm{la}^{55} \mathrm{xum}^{31}$
limp, to, $\mathrm{a}^{31} \mathrm{xa}^{35} \mathrm{di}^{31} \mathrm{Can}^{31} \mathrm{dz}^{55}$
line, $\mathrm{gu}^{31} \mathrm{lu}^{31}$
line a garment, $\mathrm{mu}^{55} \mathrm{~d} \not \mathrm{u}^{31}$
line made by carpenter's ink, $m \varepsilon^{31}$ bun ${ }^{55}$
line up, queque up, $\mathrm{y}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{zay}^{55} \mathrm{ua}^{31}$
line up, $\mathrm{p}^{\mathrm{h}} \varepsilon^{31} \mathrm{tue}^{35}$
linen, $\mathrm{mi}^{55} \mathrm{ma}^{33} \mathrm{xul}^{55}$
linen thread, uam ${ }^{31} \mathrm{Jum}^{55}, \mathrm{mi}^{55} \mathrm{buny}^{55}$
lining (of clothes), $\mathrm{ii}^{55} \mathrm{dul}^{33} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
lining (of clothes), $\mathrm{ia}^{55} \mathrm{dun}^{33} \mathrm{na}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{ar}^{55}$
lion, $\mathrm{sl}^{55} \mathrm{tse}^{31}$ (Ch.)
lip, bottom, $\mathrm{ka}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{ni}^{55} \mathrm{bu}^{31}$
lip, top, $\mathrm{ka}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{ni}^{\mathrm{i}}{ }^{55} \mathrm{bu}^{31}$
lips, $\mathrm{ni}^{55} \mathrm{bu}^{31}$
liquor, $\mathrm{ma}^{55} \mathrm{gun}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{q}^{31}$
listen, $\mathrm{t}^{\mathrm{h}} \mathrm{o}^{53} /^{55}$
listen, eavesdrop, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ma}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{o}^{33}$
Lisu, $\mathrm{y}^{31} \mathrm{~S}_{1}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{q}^{55}$
liter, $\mathrm{p}^{\mathrm{h}} \varepsilon \mathrm{n}^{55}$
liters, two, $\mathrm{a}^{31} \mathrm{ni}_{\mathrm{i}}{ }^{55} \mathrm{p}^{\mathrm{h}} \mathrm{En}^{55}$
literate, $\mathrm{Ri}^{55} \mathrm{tso}^{35} \mathrm{so}^{53}$
liver, $\mathrm{bu}^{31} \mathrm{cin}^{33}$
livestock, $\mathrm{i}^{31} \mathrm{n}_{\mathrm{n}} \mathrm{an}^{31}$
lizard, $\mathrm{bu}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{55}$
lizard, $\mathrm{bu}^{31} \mathrm{sq}^{55}$
loach, $\mathrm{ni}_{\mathrm{i}}{ }^{55} \mathrm{dzl}{ }^{31}$ nua $^{55}$
load, to, $\mathrm{sa}^{35}, \mathrm{sa}^{31} \mathrm{u}^{31}, \mathrm{dzan}^{35}$
load carried by pack animal, mán ${ }^{31} \mathrm{nen}^{55} \mathrm{Sa}^{31}$
load on animal's back, tcti ${ }^{35}$
loaf, to; be lazy, $\mathrm{a}^{31} \mathrm{bã}^{33}$
location, $\mathrm{mu}^{31} \mathrm{gam}^{53}$
locative (LOC), $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}, \mathrm{duy}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}, \mathrm{t}^{\mathrm{h}} \mathrm{av}^{55}, \mathrm{p}^{\mathrm{h}} \mathrm{av}^{33}, \mathrm{sa}^{31}$
lock (door), so ${ }^{55}$ (Ch.)
lock (door), $\mathrm{so}^{55} \mathrm{ni}^{33} \mathrm{YO}^{31}$
lock, $\mathrm{so}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{31}$ (Lisu)
locomotive (engine), $m \varepsilon^{33} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u} \eta^{55}$
locust, $\mathrm{da}^{31} \mathrm{t}_{6}{ }^{\mathrm{h}} \mathrm{un}^{55}$
loess (yellow earth), $a^{31}$ sa $^{55} \eta$ na $^{55}$
lonely, $\mathrm{ts}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{ti}^{55}$ (Lisu)
lonely, $\mathrm{no}^{33} \mathrm{~m}^{31} \mathrm{na}^{55} \mathrm{~s} \mathrm{l}^{31}$
Lolo, $\mathrm{la}^{35} \mathrm{lo}^{3{ }^{3}} \mathrm{p}^{\mathrm{h}} \mathrm{um}^{31}$
long ago, long since, $t \epsilon^{\mathrm{h}} \varepsilon^{31} \mathrm{~m} \varepsilon^{53}$
long boots, $\mathrm{Ca}^{55} \mathrm{sam}^{31} \mathrm{gI} \prod^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
long lunar month, $s 1^{31} \mathrm{la}^{55} \mathrm{ta}^{33}$
long narrow pieces, clf., $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55}$
long overcoat, $\left.\mathrm{ga}^{31} \mathrm{mu}^{31} \mathrm{duri}\right)^{31}$
long since, long ago, $\mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{~m}^{53}, \mathrm{o}^{31} \mathrm{mo}^{35}$
long time, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ni}^{55}{ }^{55}$
long time, $\mathrm{mu}^{55} \mathrm{ia}^{55}$
long wooden bench, $\mathrm{tca}^{55} \mathrm{tsu}^{31} \mathrm{ua}^{55} \mathrm{n}^{31}$
long-legged spider, dul ${ }^{31} \mathrm{ba}^{31}$
long, sharp, protruding teeth, $\mathrm{a}^{31} \mathrm{sa}^{31} \mathrm{ci}^{31} \mathrm{lim}^{55}$
long, $u a^{55} i a \tilde{a}^{31}>u^{55}{ }^{5} \tilde{a}^{31} ; n \tilde{a}^{31}$
look after, care for, $\mathrm{di}^{31} \mathrm{ca}^{55} \mathrm{u}^{31}$
look after, $\mathrm{tco}^{55} \mathrm{fu}^{55}$
look after one's self, $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{31} \mathrm{Po}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{o}^{31}$
look distracted, stunned, $\mathrm{p}^{\mathrm{h}} \mathrm{um}^{31} \mathrm{z} \mathrm{\varepsilon}^{55}$
look down upon, $\mathrm{d} \mathrm{Zan}^{44} \mathrm{~m}^{31} \mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{m}^{31}$
look for; seek, $\operatorname{la}^{33} ; \operatorname{la}^{55} \mathrm{u}^{31}$; tau $^{53}$
look for another's faults, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ma}^{31} \mathrm{du}^{31} 1 \mathrm{a}^{55} \mathrm{u}^{31}$
look in mirror, $\mathrm{za}^{31} \mathrm{u}$
look like, resemble, ${ }^{2}{ }^{55} \mathrm{di}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}$
look sideways, ni ${ }^{55} \mathrm{lun}{ }^{5}$
look through corners of eyes, $\mathrm{d} \mathrm{zi}^{31} \mathrm{~d} 7 \mathrm{i}^{31}$
look through corners of eyes, $\left\{\mathrm{d} \not \mathrm{a}^{31} \eta \varepsilon^{33}\right.$
look inclined, $\mathrm{d} \not \mathrm{zi}^{31} \mathrm{~d} \mathrm{zi}^{31} \mathrm{Pd}_{\mathrm{q}} \mathrm{a}^{31} \mathrm{y} \varepsilon^{33}$ (Lisu)
look, $\mathrm{d} \mathrm{q}^{55}\left(\mathrm{u}^{31}\right), \mathrm{d} \not \mathrm{Zan}^{55}$; something to read, $\mathrm{dzan}{ }^{55}{\mathrm{~d} \varepsilon \mathrm{~m}^{55}}^{55}$
loom, threaded, $\mathrm{ma}^{33} \mathrm{xuy}^{55} \mathrm{zan}^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
loose, not tight, gu $\varepsilon^{53} \varepsilon^{31}$
loquat, $\mathrm{bu}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{53} \mathrm{li}^{33}$
lose baby teeth, $\mathrm{a}^{31} \mathrm{sa}^{31} \mathrm{a}^{31} t \mathrm{c}^{\mathrm{h}} \mathrm{in}^{55}$
lose (=not win), $\mathrm{m}^{33} \mathrm{dzq}^{33}$
lose something, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{man}^{33}$
lose something, $\mathrm{Pa}^{31} \mathrm{~d} \mathrm{za}^{55} \mathrm{Td}_{7} \mathrm{a}^{35}$
lose something, $\mathrm{a}^{31} \mathrm{ma}^{55}$
lose, to, $\mathrm{a}^{31} \mathrm{man}^{55}$
lose, to, $\mathrm{s}^{31}{ }^{31} \mathrm{p}^{35}$
lose, misplace, t ${ }^{\text {h }}{ }^{3}{ }^{33}$
lost face, disgraced, $\mathrm{ma}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{u}$
lotus, yellow, $\mathrm{men}^{55}$
louse, cum $?^{55}$
louse (egg), cum $\mathbf{1}^{55} \lim ^{31}$
love, $\mathrm{na}^{55}{ }^{5} \mathrm{sun}^{55} \varepsilon^{55}$ (each other)
love each other, $\mathrm{a}^{31} \mathrm{cul}^{31} \varepsilon^{55}$
love (a child), $\mathrm{a}^{31} \lim ^{31} \mathrm{~s} 1^{33}$
love (a child), nim $^{31} \mathrm{a}^{31} \mathrm{dza}^{35}$
love each other (man and woman), $\eta \tilde{\mathrm{a}}^{55}{ }_{\mathrm{s} u}{ }^{55} \varepsilon^{55}$
love; fond of, $n \mathrm{a}^{55}\left(\mathrm{~S} 1^{31}\right)$
lover, $\mathrm{ts}^{\mathrm{h}} \mathrm{o}^{33} \mathrm{k}^{\mathrm{h}} \mathrm{i}^{33}$
low; short, $\mathrm{tc}^{\mathrm{h}}{ }^{5}{ }^{55} \mathrm{n}_{\mathrm{j}} \mathrm{im}^{31}$
lower back, $\mathrm{da}^{55} \mathrm{guv}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{33}$
lower course of a river, $\mathrm{tc}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{yua}^{31} \mathrm{sa}^{31}$
lower course of a river, $\mathrm{i}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
lower jaw bone, $\mathrm{mul}^{31} \mathrm{yam}^{55}$
lower leg, $\mathrm{Pa}^{31} \mathrm{xa}^{35} \mathrm{t}^{\mathrm{h}} \mathrm{un}^{31}$
lower lip, $\mathrm{ka}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{ni}^{55} \mathrm{bu}^{31}$
lower part of body, $i^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{n} \mathrm{mu}^{31} t \widehat{s}^{\mathrm{h}} \mathrm{a}^{55} t \mathrm{~s}^{\mathrm{h}} \mathrm{a}^{55}$
lower part of cheek, $\mathrm{ba}^{31} \mathrm{tca}^{35}$
lower tooth, $\mathrm{ka}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{ar}^{55} \mathrm{a}^{31} \mathrm{sa}^{31}$
lucky, $\gamma \mathrm{u}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{ni}^{33} \varepsilon^{55}$
luggage, $n \varepsilon n^{55}$
luggage, to pack, $n \varepsilon n^{55} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{31}$
lumber, timber, cuin ${ }^{55}$ dun ${ }^{55}$
lunar eclipse, $s 1^{31} \mathrm{la}^{55} \mathrm{~d}^{31} \mathrm{grl}^{55} \mathrm{\varepsilon m}^{53}$
lunar month (long), $\mathrm{s}^{31} \mathrm{la}^{55} \mathrm{ta}^{33}$
lunar month (short), $s 1^{31} \mathrm{la}^{55} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
lunar month, eleventh day of, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \tilde{\mathrm{a}}^{31} n \mathrm{i}^{33}$
lunar month, eleventh day of, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ni}^{33}$
lunar month, first day of, $s 1^{31} \mathrm{la}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ni}^{33}$
lunar month, sixteenth day of, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{kuy}^{55} \mathrm{ni}^{33}$
lunar month, third day of, $s 1^{31} \mathrm{la}^{55} \mathrm{summ}^{33} \mathrm{ni}_{\mathrm{i}}{ }^{55}$
lunar month, thirtieth day of, summ ${ }^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ni}^{33}$
lunar month, twentieth day of, $\mathrm{a}^{31} \mathrm{n}_{\mathrm{i}}{ }^{33} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{nid}^{33}$
lunar, month, fifth day of, $\mathrm{s}^{31} \mathrm{la}^{55} \mathrm{p}^{\mathrm{h}} \tilde{\mathrm{a}}^{31} \mathrm{ni}^{33}$
lunar, month, second day of, $\mathrm{s}^{31} \mathrm{la}^{55} \mathrm{a}^{31} \mathrm{ni}_{\mathrm{i}}{ }^{55} \mathrm{ni}_{\mathrm{i}}{ }^{55}$
lunatic; madman, $\mathrm{a}^{31} \mathrm{xua}^{35} \mathrm{u}^{31}$
lungs, $\mathrm{i}^{31} \mathrm{su}^{55}, \mathrm{buw}^{31} \mathrm{su}^{31}$
lure, to, $\mathrm{p}^{\mathrm{h}} \varepsilon^{55} \mathrm{num}^{31} \mathrm{ua}^{31}$
lure, seduce, fool, $\mathrm{ni}^{31} \mathrm{~m}^{55}$
lute-like instrument with fretted fingerboard, $\mathrm{tci}^{55} \mathrm{bu}^{55}$ (Lisu)
lycium, $\mathrm{mu}^{31} \mathrm{can}^{55}$
mace, $1 / 10$ of a tael, $\mathrm{t}^{\mathrm{h}^{31}}{ }^{31} \mathrm{curr}^{55}$
machine gun, $\mathrm{mu}^{31} \mathrm{sq}^{55} \mathrm{ga}^{53}$
machine, $\mathrm{tci}^{33} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{35}$ (Ch.)
madman; lunatic, $\mathrm{a}^{31} \mathrm{xua}^{35} \mathrm{u}^{31}$
maggot (in rotten wood), $\varphi \mathrm{a}^{55} \mathrm{ts} 1^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
maggot, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
magpie, $\mathrm{a}^{31} \mathrm{n}^{55} \mathrm{tca}^{31} \mathrm{t} \mathrm{ca}^{31}$
mail, to, gien ${ }^{35}$
mail a letter, $\mathrm{s}^{55} \mathrm{va}^{31}{ }^{3} \varepsilon^{31} \mathrm{su}^{55} \mathrm{di}^{31} \mathrm{ba}^{31} \mathrm{u}^{31}$
main stock; bow, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55}$
maize, corn (green), $\mathrm{mu}^{55} \mathrm{xye}^{31}$
make a cry, $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{un}^{55}$
make a decoction, $n \varepsilon^{55} \mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{in}^{55} \mathrm{so}^{31} \mathrm{num}^{53}$
make a landing, $\mathrm{di}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}{ }^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{zam}^{53}$
make a loud noise, $n \mathrm{a}^{55} ; \mathrm{na}^{55}$
make a pocket, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{du}^{55}$
make a racket, $\mathrm{Pa}^{31} \mathrm{xi}^{55}$
make a visit (to friends), $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{~d} \mathrm{~g}^{53} \mathrm{u}^{31}$
make a wrinkle, $\mathrm{ga}^{31} \mathrm{mu}{ }^{31} \mathrm{y}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{rq} \mathrm{n}^{55}$
make bed, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{lu}^{31}$
make, build, $\tilde{\varepsilon}^{35}$
make carpenter's line with ink marker, $\mathrm{ma}^{31} \mathrm{bum}^{55} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55}$
make clothes, $\mathrm{ga}^{31} \mathrm{mu}^{31} \mathrm{Yo}^{53}$
make cool, $\mathrm{di}^{31}{ }^{1} \mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{m}^{31} /{ }^{35}$
make crooked, go ${ }^{31} \operatorname{lu}^{31} \mathrm{Pd}_{\mathrm{id}} \mathrm{i}^{31} \varepsilon^{33}$
make dirty, $\eta_{11}{ }^{55} \mathrm{Pd} \mathrm{zi}^{31} \varepsilon^{31}$
make fire, $\mathrm{di}^{31} \mathrm{gul}^{31} \mathrm{u}^{31}$
make friends, $n \varepsilon m^{31} n_{n} \mathrm{an}^{31} \mathrm{a}^{31} \mathrm{t}_{6}{ }^{\mathrm{h}} \mathrm{if}^{31}$
make friends with, $\mathrm{Pa}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{in}^{31}$
make gesture, $\mathrm{a}^{31} \mathrm{vu}^{55} \mathrm{a}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{v} \mathrm{\varepsilon}^{33} \mathrm{~S} 1^{33}$
make lines with, $\mathrm{mu}^{55} \mathrm{na}^{31} \mathrm{bun} \eta^{55} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u} \eta^{53}$
make mattress of rice stalks, $\operatorname{cin}^{55} \mathrm{ni}^{5} \mathrm{\eta}^{31} \mathrm{u}$
make nest, da ${ }^{31}$ dan ${ }^{31}$
make obeisance to, $\mathrm{t}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{~S}^{55}$
make partner, $\mathrm{da}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$
make pleats, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \lim ^{31}$
make soft, $\mathrm{a}^{31} \mathrm{a}^{\tilde{a}^{31}} \mathrm{nu}^{31}$
make someone angry, $\mathrm{Pa}^{31} \mathrm{mmun}^{55}$
make something stand upright, $\left.d \varepsilon^{31} d a \eta^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}\right)^{31}$
make straight, $\mathrm{a}^{31} \mathrm{za}^{55} \mathrm{nu}^{31}$
make straight, $s^{\text {h }} 0^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{ar}^{31} \mathrm{~Pa}^{31}$ zanu $^{53}$
make up a prescription, $n \varepsilon^{55} \mathrm{ts}^{\mathrm{h}} 1^{31}$ zam $^{35}$
make up oneself, $\mathrm{a}^{31} \mathrm{~b} \cdot 1^{55} \mathrm{~S} 1^{31}$
make up the proper amount, $\mathrm{a}^{31} \mathrm{di}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{31}$
make way for, give way for, $\operatorname{ci}^{31} \mathrm{in}^{31}$
make way; yield, $\mathrm{s}_{1}{ }^{31} \mathrm{zl}_{\mathrm{ll}} \mathrm{n}^{31} \mathrm{~S}_{\mathrm{s}}{ }^{55}$
make wet, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{man}^{33}$
make wine; brew beer, $\mathrm{num}^{31} \mathrm{di}^{31} \mathrm{bul}^{31} \mathrm{~m}^{55}$
make, build, $\mathrm{io}^{55} \mathrm{mun}^{55}$
make or write (book), $\mathrm{si}^{55} \mathrm{va}^{31} \mathrm{a}^{31} \mathrm{zu}^{53}$
make, manufacture, io ${ }^{55} \mathrm{mun}^{55}$
malaria; ague, $\mathrm{tc}^{\mathrm{h}} \mathrm{i}^{53} \mathrm{xum}^{53} \mathrm{a}^{31} \mathrm{dzau}^{35}$
malaria; ague, $\left(\mathrm{di}^{31} \mathrm{~g} \mathrm{y}^{55}\right) \mathrm{dzay}{ }^{35}>\left(\mathrm{a}^{31}\right) \mathrm{dza} \tilde{u}^{55}$
male, man $=$ married man, gua ${ }^{31}$ ts $^{h} \mathrm{a}^{55}$
male, $\mathrm{r}^{31} \mathrm{gu}^{55}$
manage, control, kua ${ }^{31}$
manage, run, $a^{31} d a^{55} u^{31}$
manage, run (house), $\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{kua}^{31} \mathrm{li}^{35} \mathrm{xo}^{33}$
Mandarin orange, small, $\mathrm{zl}^{31} \mathrm{ma}^{55} \mathrm{t} \varphi \mathrm{mu}^{55}$
mane (horse), $\mathrm{ma}^{31} \mathrm{~min}^{55}$
mange, have, $\mathrm{xu}^{31} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{i}^{35}$
manger, maa $\left.{ }^{31} \operatorname{tcc}^{55}{ }^{5} \mathrm{k}^{\mathrm{h}} \mathrm{u}\right)^{55}$
manger, maa ${ }^{31} \mathrm{~d}_{\mathrm{m}} \mathrm{a}^{31} \mathrm{xam}^{55}$
mantis, n $\varepsilon \mathrm{m}^{31}$ na1 ${ }^{55}$
manure, $\mathrm{ta}^{35} \mathrm{f} \tilde{u}^{35}$ (Ch.)
many, bum ${ }^{31}$
map, mu ${ }^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{31}, \mathrm{mu}^{31} \mathrm{~d} \mathrm{z}^{31}{ }^{31}$
March, sum ${ }^{31} \mathrm{la}^{55}$
mare, $\mathrm{mã}^{31} \mathrm{ma}^{55}$
mark, to; make a mark, $\mathrm{di}^{31} \mathrm{zan}^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
mark, sign, $\mathrm{di}^{31} \mathrm{xan}^{55} \mathrm{~d}_{\mathrm{d}}{ }^{55} ; \mathrm{di}^{31} \mathrm{xen}^{55}$
market, kai ${ }^{55} \mathrm{ts} 1^{33}$ (Ch.)
market, town, city, $\mathrm{dzi}^{55}$
marriage based relationships, $\mathrm{d} \not \varepsilon^{31} \mathrm{pa}^{55}$
married, get, di ${ }^{31} t^{\text {h }}{ }^{4} u^{35}$
marrow, sa ${ }^{31} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{53} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{ung}^{55}$
marrow, $\mathrm{tc}^{\mathrm{h}} \mathrm{um}^{31} \mathrm{mu}^{31}$ gut $^{55}$
marry (take a wife), d $\mathrm{Zo}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{ma}^{55} \mathrm{ua}^{31} \mathrm{~S}_{1} 1^{31}$
marry (take a wife), $\mathrm{mu}^{31} \mathrm{na}^{35} \mathrm{gu}^{31} \mathrm{y}^{55}$
marry, take a wife, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55} \mathrm{ua}^{31}$
marry (take a husband), $\mathrm{s}^{31} \mathrm{lap}^{35}$
marry (a woman), $\mathrm{lu}^{31} \mathrm{u}^{55}$
marry (of woman), $\mathrm{di}^{31} \mathrm{t} \tilde{\mathrm{u}}^{55} \tilde{\mathrm{u}}^{31}$
marry (take a husband), $\mathrm{a}^{31} \mathrm{vu}^{35} \mathrm{a}^{31} \mathrm{ci}^{31} \mathrm{t}^{\text {h }} \mathrm{i}^{55}$
mason, lu ${ }^{55} \mathrm{yom}^{55} \mathrm{su}^{55}$
massage back by pounding, $\mathrm{da}^{31}$ gun ${ }^{31}$ Jum $^{55}$
master of a trade, $s 1^{31} \operatorname{lam}^{55} \mathrm{su}^{55}$
master; host, $n^{31} \mathrm{k}^{\mathrm{h}} \tilde{\mathrm{a}}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
mat, ci $^{55} \mathrm{p}^{\mathrm{h}^{5}{ }^{55}}$
mat covering small boats, $\mathrm{a}^{31} \mathrm{sum}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
mat, palm fiber, $\mathrm{p}^{\mathrm{h}} \mathrm{am}^{31}$
mat; pad, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{lu}^{55} \mathrm{~d}^{5}{ }^{55}$
mat; pad; cushion, $6 i^{31} \mathrm{n} \varepsilon^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
match; competition, $\mathrm{a}^{31} \operatorname{lin}^{55}$
matches, $\mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{55} \mathrm{n}^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55} ; \mathrm{xo}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{31}$ (Ch.)
matchmake, to, $\operatorname{ci}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{31}$
matchmaker, $\mathrm{k}^{\mathrm{h}} \mathrm{ur}^{55} \mathrm{ri}^{31} \mathrm{uq}^{31} \mathrm{su}^{55}$
mate, copulate, $\mathrm{Po}^{55} \mathrm{ium}^{31} \mathrm{sa}^{31} \mathrm{u}^{31}$
maternal, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31}$
maternal, $\mathrm{a}^{31} \mathrm{t} \mathrm{s}^{\mathrm{h}} \mathrm{p}^{31}$
matter, $\mathrm{s} 1^{35} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{31}$
mattress made of rice stalks, $\operatorname{cin}^{55}{ }^{5 i} \sum^{31} u$
mattress; mat; pad, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{lu}^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
may, da $^{55} \varepsilon^{31}$
May, $\mathrm{p}^{\mathrm{h}} \tilde{\mathrm{a}}^{31} \mathrm{la}^{55}$
May I ask? $\mathrm{zq}^{55} \mathrm{a}^{31} \mathrm{li}^{55}$
maybe, $1 \varepsilon^{55} \mathrm{~m}^{31} \mathrm{zl}^{55}$
meadow, grassland, $\mathrm{a}^{31} \mathrm{dza}^{31} \mathrm{xan}^{53}$
meal, early; breakfast, $a^{31}{ }^{1} \tilde{a}^{55} p^{1 r^{31}}$
meal, late; supper; dinner, $\mathrm{a}^{31} \mathrm{~S} 1^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{p}^{\mathrm{lr} 1^{31}}$
meal, midday, $\mathrm{a}^{31} \tilde{\mathrm{ia}}^{55} \mathrm{p}^{1 \mathrm{r}_{1}^{31}}$
mean-spirited, $\mathrm{mu}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{31}$
measure (rice), $\mathrm{p}^{\mathrm{h}} \varepsilon \mathrm{g}^{55} \mathrm{u}^{31}$
measure (cloth), $\mathrm{a}^{31} \operatorname{lin}^{55}\left(\mathrm{nu}^{31}\right)$
measure, one tenth of a catty (one catty equals half a kilogram), luy ${ }^{55}$
measure of length, $\mathrm{i}^{31} \mathrm{li}^{53}$
measure, one third of a centimeter, cumi ${ }^{55}$
meat, fatty, $\epsilon^{33} \mathrm{su}^{55}$
meat, lean, $\mathrm{ca}^{33} \mathrm{n}_{\mathrm{n}} \mathrm{E}^{55}$
meat, piece of, $\mathrm{ca}^{33} \mathrm{p}^{\mathrm{h}} \mathrm{in}^{33}$
meat, raw, $\mathrm{ca}^{33}$ dzim ${ }^{31}$
meat shop, $6 \mathrm{c}^{55} \mathrm{ven}^{55} \mathrm{za}^{55}$
meat, shredded, $\epsilon^{33}$ burn $^{55}$
meat, sliced, $\epsilon^{33}{ }^{33} \operatorname{la\eta }^{55}$
meat soup, $\mathrm{ca}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31}$
meat; flesh, $\mathrm{ca}^{33}$
mechanism, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{55}$
mediate, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{33} \mathrm{ni}^{53} \mathrm{nu}^{31}$
mediator, go-between, $\mathrm{di}^{31} \mathrm{du}^{31} \mathrm{uq}^{33} \mathrm{su}^{55}$
medicine, $\mathrm{tsi}{ }^{31}, n \varepsilon^{55} \mathrm{ts}^{\mathrm{h}} 1^{31}$ (Lisu)
medicine, liquid, $n \varepsilon^{55} \mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{a}^{31} \mathrm{n}^{31} \mathrm{ts}^{\mathrm{h}} 1^{31}$
medium; middling, $\mathrm{di}^{31} \mathrm{dur}^{31}\left(\mathrm{lam}^{53}\right)$
medlar seed, $\mathrm{ke}^{31} \mathrm{sen}^{55} \mathrm{can}^{55}$
meet, to, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}$
meet with, zan ${ }^{55}$
meet by chance, $a^{31} p^{h} u^{55} a^{31} d z a \eta^{31}$
meet by chance, zan ${ }^{55} \mathrm{dzan}{ }^{53}$
meet, to, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{53}$
meeting dismissed, $\mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{P} \mathrm{d} \not \mathrm{Z}_{1}{ }^{35}$
melon, gourd, $a^{31}$ gun ${ }^{55}$
melon seed, $\mathrm{o}^{55} \mathrm{ba}^{35}$
melon seed, $a^{31}$ gun $^{55} \mathrm{mul}^{31}$ num ${ }^{55}$
melt (snow, etc.), $g \eta^{55} \mathrm{~d} z \varepsilon^{35}$
melt, to, $\mathrm{dzq}^{31}{ }^{31} \mathrm{di}^{31} \mathrm{bi}^{55} \mathrm{u}^{31}$
melt; thaw, $\mathrm{s}^{31} \mathrm{may}^{55}\left(\mathrm{u}^{31}\right)$
member (committee), $\mathrm{u}^{55} \mathrm{ie}^{31}$
menace; threaten, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{za}^{55} \mathrm{u}^{31} \varepsilon^{33}$
mend (cloth), $\mathrm{di}^{31} \mathrm{t}^{1 \mathrm{lr}_{1}{ }^{33}} \mathrm{Ro}^{55}$
mend, repair, $\mathrm{a}^{31} \min ^{55} \mathrm{u}^{31}$
menses, $l^{31} \mathrm{bi}^{55} \mathrm{cwu}^{33}$
menstruation, $1 \varepsilon^{31}\left(\mathrm{bi}^{55} \mathrm{n}_{\mathrm{n}} \mathrm{ur}^{33}\right)$
merchant, $\mathrm{Pa}^{31} \mathrm{la}^{55} \mathrm{ua}^{33} \mathrm{su}^{55}$
mercury, sui ${ }^{55} \mathrm{in}^{31}$
mesh, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{ia}^{55} \mathrm{n}_{\mathrm{i}} \mathrm{i}^{55}\left(\mathrm{luq}{ }^{55}\right.$ )
messy, $\mathrm{Py}^{31} \mathrm{bumm}^{55}$
messy, chaotic, $\mathrm{a}^{31} \mathrm{du}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{un}^{31}$
metamorphosis, t $^{\text {h }} \mathrm{in}^{31}{ }^{31} \varepsilon^{55}$
meteor, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{n}_{\mathrm{i}}{ }^{55} \mathrm{ni}_{\mathrm{i}}{ }^{33}$
method, way, $\operatorname{pan}^{35} \mathrm{fa}^{31}$
mew, to, $\mathrm{mu}^{31} \mathrm{ni}^{31}{ }^{31} \mathrm{nay}^{55} \varepsilon$
midday; noon, $\mathrm{a}^{31} \mathrm{ia}^{55} \mathrm{muw}^{31} \mathrm{Jug}^{31}$
midday or noon, $\mathrm{a}^{31} \mathrm{ian}^{35} \mathrm{mu}^{31} \mathrm{Jun}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{31} ; \mathrm{a}^{31} \mathrm{ia}^{55} \mathrm{p}^{\mathrm{rr}} \mathrm{i}^{31}$
middle finger, $\mathrm{di}^{31} \mathrm{dum}^{31} \mathrm{ni}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{55}$
middle of the month, $\mathrm{s}^{31} \mathrm{la}^{55} \mathrm{di}^{31} \mathrm{dum}^{31}$
middle, central, center, $\mathrm{di}^{31} \mathrm{du}^{31}$
middle reaches of river, $\mathrm{tc}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{pua}^{31} \mathrm{dum}^{31} \mathrm{dum}^{31}$
midnight, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ca}^{55} \mathrm{gun}^{31}$
midnight snack, $a^{31} \mathrm{~d} \mathrm{z}^{i} \mathrm{i}^{55} \mathrm{gr1}{ }^{55} \mathrm{~s}_{1} \mathrm{n}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{\gamma um}^{31}$
midwife, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ma}^{55} \mathrm{di}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u} \mathrm{\eta}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35} \mathrm{lu}^{55} \mathrm{su}^{55}$
military uniform, $\mathrm{ium}^{31} \mathrm{ga}^{31} \mathrm{mu}^{31}$
milk (from breast), $a^{31} t s^{h} u^{55} t \Phi^{h} 1^{31}$
milk, $a^{31} \mathrm{ts}^{1 \mathrm{ra}_{1} 55} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{31}$
milk, cow's, $\mathrm{a}^{31} \mathrm{t} \mathrm{s}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{p}^{31}$
milk, to, $\mathrm{di}^{31} \mathrm{th}^{\mathrm{h}} \mathrm{im}^{31}$
milk, to, $\mathrm{a}^{31}{ }^{6} \mathrm{i}^{31} \mathrm{lin}^{55}$
milk teeth, baby, $\mathrm{d}^{31} \mathrm{gr}^{55} \mathrm{a}^{31} \mathrm{sa}^{31}$
mill, $\mathrm{a}, \mathrm{la}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}\left(\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}\right)$ (Lisu)
mill, $\mathrm{a}, \mathrm{n}^{31} \mathrm{lu}^{55} \mathrm{la}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}$
mill, grind, sum ${ }^{55}$
millet, barnyard grass, $\mathrm{tco}^{55} \mathrm{ba}^{55}$
millet, $\mathrm{dz}_{\mathrm{l}}{ }^{31} \mathrm{ia}^{33}$
millet, $\mathrm{th}^{\mathrm{h}} \varepsilon^{31}$ ? $\varepsilon \mathrm{m}^{55}$
mine, $\mathrm{ci}^{55} \mathrm{n}, \varepsilon^{55} \mathrm{ts} 1^{31}$
minority; ethnic group, ts ${ }^{\mathrm{h}}{ }^{55}$
mint, a $^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55}$
mirror, $\mathrm{ma}^{55} \mathrm{~d}_{\mathrm{z}} \mathrm{al}^{31} \mathrm{~d}^{5} \mathrm{~m}^{55}, \mathrm{n}^{55} \mathrm{ba}^{55}$ (Lisu)
miscarriage, $\mathrm{a}^{31} \mathrm{iau}^{53}$
mischieveous, $\mathrm{zi}^{31} \mathrm{gum}^{55}$
miss the target, $\mathrm{dum}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{in}^{53}$
miss; remember with longing, $\mathrm{ts}^{\mathrm{h}} \mathrm{om}^{53}$; miss each other, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{om}^{55}$
mistake, $\mathrm{a}^{31} \varphi \varepsilon^{31} n \varepsilon^{31}$
mistress, $\mathrm{n}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{mu}^{31}$
mistress, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ar}^{31} \mathrm{i} \varepsilon \mathrm{n}^{55} \mathrm{u}^{31}$
mix, to, $\mathrm{Sl}^{55}$
mix, to, $\mathrm{Pa}^{31} \mathrm{z}_{\mathrm{om}}{ }^{31}$
mix (dough), $\mathrm{a}^{31} \mathrm{nay}^{31} \mathrm{u}$
mixed buckwheat balls, $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{uq}^{55} \mathrm{uq}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{gn}_{1}{ }^{55}$
Mizhina /Mìzhìnà/ (place name), $\mathrm{mi}^{31} \mathrm{~d}_{\mathrm{i}}{ }^{55} \mathrm{na}^{31}$
moan, to, $\mathrm{a}^{31} \mathrm{dza}^{31} \mathrm{san}^{55}$
modern times, present, $\varepsilon^{55} \mathrm{t}^{\mathrm{h} \mathrm{i}^{31}}$ ts $\left.\mathrm{t}^{\mathrm{h}} \mathrm{un}\right)^{55}$
modest, unassuming, $\mathrm{m}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ar}^{31} \mathrm{~S} 1^{55}$
modest, unassuming, nim ${ }^{31}$ xom $^{55}$
molar, $\mathrm{a}^{31} \mathrm{sa}^{31} \mathrm{mu}^{31}$ dzum ${ }^{31}$
mold, to, $\mathrm{pl}^{31} \mathrm{bumm}^{55} \mathrm{bum}^{55}$
mole; nevus, $\mathrm{ts}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{n}^{55}$ (Lisu)
monastery, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{i}^{55}{ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$
monetary penalty, dza ${ }^{31} \mathrm{xa}^{31} \mathrm{fa}^{35} \mathrm{u}^{31}$
money, dza ${ }^{31} \mathrm{xa}^{31}$
money changer, $\mathrm{d} \mathrm{qa}^{31} \mathrm{xa}^{31} \mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}}{ }^{31} \mathrm{za}^{55}$
monkey, $\mathrm{ri}^{31} \mathrm{sa}^{31}$
monster, goblin, $\mathrm{la}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{31}, \mathrm{la}^{31} \operatorname{tin}^{31}$
month after, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{~s}^{31} \mathrm{la}^{53} \mathrm{bu}^{31} \mathrm{a}^{31} \mathrm{ni}^{33}$
month, half $\mathrm{a}, \mathrm{s} 1^{31} \mathrm{la}^{55} \mathrm{ti}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
month, last, $\mathrm{ma}^{55} \mathrm{su}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{sl}^{31} l \mathrm{a}^{55} ; \mathrm{xxx} ; \mathrm{ma}^{55} \varepsilon^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{~s}^{31} \mathrm{la}^{55}$
month, next, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{~s} 1^{33} \mathrm{la}^{55}$
month, this, $\mathrm{i}^{55} \mathrm{~s}^{31}{ }^{31} \mathrm{la}^{55}$
months after, $\mathrm{ba}^{31} \mathrm{S1}^{31} \mathrm{ti}^{55} \mathrm{san}^{31} \mathrm{~s} 1^{31} \mathrm{la}^{55}$
months before, $\mathrm{dum}^{55} \mathrm{san}^{31} \mathrm{ua}^{55} \mathrm{su}^{31} \mathrm{~s}^{31} \mathrm{la}^{55}$
moo, sound of a cow, mã ${ }^{35}$
$\operatorname{mood}(\operatorname{mood}),-n u^{31}$
moon; month, $\mathrm{sl}^{31} \mathrm{la}^{55}, \mathrm{sa}^{31} \mathrm{la}^{55}$
moon cake, $\mathrm{mu}^{31} \mathrm{nan}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{53}$
moon light, $\mathrm{s}^{31} \mathrm{la}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{Rga}^{55}$
more or less, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{lu}^{55} \mathrm{i}^{33}$
more or less, $\mathrm{na}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{i}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
more than, $\mathrm{da}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55}$
more than, extra, $\mathrm{ka}^{31} \tan ^{55}$
more than ten, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dan}^{31}$
more than twenty, $\mathrm{a}^{31} \mathrm{ni}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55}$
morning star, $\mathrm{n}^{31} \mathrm{ku}^{55}$ (Lisu)
morning, $\mathrm{a}^{31} \operatorname{san}^{55} \mathrm{tc}^{\mathrm{h}} u \mathrm{y}^{55}$
morning, clf., san ${ }^{31}$
morning, this, $\mathrm{d}^{55} \mathrm{san}^{31}$
mortar (stone), dza $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{ay}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}$
mortgage, to, $\mathrm{dzq}^{55} \mathrm{n}^{55}, \mathrm{po}^{33}$ (Lisu)
mosquito, small, black, $\mathrm{ba}^{33}$ sum $^{55} \mathrm{Ci}^{55}$
mosquito, $\mathrm{xa}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{o}^{35}$ (Lisu)
mosquito bite, $\mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{u}^{31}$
mosquito net, $\mathrm{ba}^{33} \mathrm{som}^{55} \mathrm{di}^{31} \mathrm{ga}^{33}{\mathrm{~d} \varepsilon \mathrm{~m}^{55}}^{55}$
moss, $\mathrm{p}^{\mathrm{h}} \mathrm{En}^{33} \mathrm{dz}$ ]
most $=$ very, $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55}$
moth, cuin ${ }^{55}$. $^{23}{ }^{33}$
mother (address term), $\mathrm{a}^{31} \mathrm{mu}^{31}$
mother; stepmother, $\mathrm{a}^{31} \mathrm{mu}^{31}$
mother's brother, $\mathrm{a}^{55} \mathrm{vu}^{55}$
mother's brother; uncle, $\mathrm{a}^{31} \mathrm{ben}^{31}$
mother's brother's wife, $\mathrm{a}^{55} \mathrm{mi}^{55}$
mother's sister (married), $\mathrm{a}^{55} \mathrm{o}^{55} \mathrm{ma}^{55}$
mother's sister (unmarried), $\mathrm{a}^{55} \mathrm{io}^{31}$
mother's sister's husband, $\mathrm{a}^{55} \mathrm{o}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31}$
mother's brother, $\mathrm{a}^{55} \mathrm{ben}^{31}$
motion toward center of action, verb $+-a^{31} i^{55},-a^{31} n a^{55},-a^{31} d a^{55}$, or $-l o^{31}$
motion away from the center of action, verb $+-\mathrm{a}^{31} \mathrm{ba}^{55},-\mathrm{a}^{31} \mathrm{la}^{31},-\mathrm{da} \mathrm{\eta}{ }^{55}$, or $-l \mathrm{u}^{55}$
motion downwards, $a^{31} \mathrm{da}^{55}, \mathrm{a}^{31} 1 \mathrm{a}^{31}$
motion upwards, dan ${ }^{55}, \mathrm{a}^{31} \mathrm{na}^{55}$
motionlessly, $\mathrm{ma}^{31} \mathrm{nen}^{55} \mathrm{ua}^{33}$
moult, to, $\min ^{55} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{55}$
mound, $\mathrm{a}^{31} \mathrm{sa}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{ul}^{31}$
mound, hill, $\mathrm{mo}^{31}$ gun $^{55} \mathrm{t}^{\mathrm{h}} \mathrm{En}^{31}$
mound (land), clf., xay ${ }^{35}$
mountain, north or shady side, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{dzam}^{31}$
mountain, snow-capped, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ven}^{31} \mathrm{mu}^{31} \mathrm{guy}^{55}$
mountain, south or sunny side, $\mathrm{p}^{\mathrm{h}} \mathrm{um}^{31} \lim ^{55}$
mountain, $I_{1}^{31}$ ?un ${ }^{55}$ (older speakers), $\mathrm{zl}^{31} \mathrm{Puq}^{55}$, mu $^{31}$ guy $^{55}$
mountain, bamboo, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ma}^{31}$
mountain, shady or north side, $\mathrm{p}^{\mathrm{h}} \mathrm{ur}^{31} \lim ^{55}$
mountain, sunny or south side, $\mathrm{p}^{\mathrm{h}} \mathrm{ul}^{31} \mathrm{dzam}^{31}$
mountain foot, $\mathrm{mu}^{31} \mathrm{guy}^{55} \mathrm{tch}^{\mathrm{h}} \mathrm{wn}^{33}$
mountain goat, female, $\mathrm{a}^{31} \mathrm{ian}^{31} \mathrm{ma}^{33}$
mountain goat, female, $\mathrm{a}^{31} \mathrm{be}^{55} \mathrm{ma}^{33}$
mountain goat, male, $\mathrm{a}^{31} \mathrm{ian}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{um}^{31}$
mountain peak, $\mathrm{zl}^{31} \mathrm{Pu} \mathrm{\eta}^{55} \mathrm{dur}^{33}, \mathrm{~m}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{am}^{55}$
mountain peak, top, $\mathrm{zq}^{31} \mathrm{Puq}^{55} \mathrm{sa}^{31}$
mountain road, $\mathrm{z}^{31} \mathrm{Pu}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31}$
mountain slope, hillside, $\left(\mathrm{d}^{31}\right) \mathrm{dan}^{31} \mathrm{dan}^{55}$
mourning apparel, $\mathrm{p}^{\mathrm{h}} \cdot \mathrm{Ja}^{31} \mathrm{Ca}^{31} \mathrm{ga}^{55} \mathrm{mu}{ }^{55}$
mouse, field, $\mathrm{t}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{din}^{55}$ (house+rat)
mouth, corners of, $\left.\mathrm{ni}^{55} \mathrm{bu}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{ur}\right)^{33}$
mouth, $\mathrm{ma}^{55} \mathrm{du}^{31}$
mouth, $\mathrm{na}^{55} \mathrm{k}^{\mathrm{h}} \tilde{\mathrm{o}}^{35} ; \mathrm{ni}^{\mathbf{5 5}}$ -
move, $\mathrm{a}^{31} \mathrm{y} \varepsilon \mathrm{n}^{55}$, $\mathrm{d}_{7} \mathrm{o}^{31}$
move, to, $\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{55} \mathrm{~S} 1^{31}$
move, cause to, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{y} \mathrm{n}^{55} \mathrm{~S}^{31}$
move, shift, $\operatorname{cin}^{53}$
move, transfer (troops), tiau ${ }^{35}$ (Ch.)
move (chair), $\mathrm{a}^{31} \mathrm{t} \mathrm{c}^{\mathrm{h}} \mathrm{in}^{55}>\mathrm{a}^{31} \mathrm{t}^{1 \mathrm{r} \mathrm{I}^{55}} \tilde{\mathrm{u}}^{31}$
movies, tsi ${ }^{31}$
movies, bõ ${ }^{55}$
$\mathrm{mu}=0.0667$ hectares, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{su}^{31}$
much, bum ${ }^{31}$
mud playing, $\mathrm{a}^{31} \mathrm{sa}^{55} \mathrm{a}^{31} \mathrm{hi}^{55} \varepsilon^{31}$
mud, $\mathrm{dza}_{1}^{55}$ dzam ${ }^{31}$
muddled, confused, $\mathrm{m}^{31} \mathrm{xum}^{31}$
muddy (water), $\mathrm{Ra}^{31} \mathrm{zom}^{31} \mathrm{li}^{33} \mathrm{k}^{\mathrm{h}} \mathrm{am}^{55} \mathrm{~S}_{\mathrm{l}}{ }^{31} \mathrm{dzi}^{53} \mathrm{u}^{31}$
muddy, turbid, $\mathrm{k}^{\mathrm{h}} \mathrm{am}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{am}^{55} \mathrm{t} s^{\mathrm{h}} 1^{31}$
muddy, turbid, $\mathrm{k}^{\mathrm{h}} \mathrm{am}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{am}^{55}\left(\mathrm{ts}^{\mathrm{h}} 1^{31}\right)$
Mugujia, mu ${ }^{31}$ guy $^{55} \mathrm{dzan}^{31}$
mugwort, Chinese, $\mathrm{s}^{31} \mathrm{mo}^{33}$
mulberry tree, $\mathrm{bul}^{31} \mathrm{dza}^{31} \mathrm{dzun}{ }^{55}, \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$
mule, $\mathrm{lo}^{55} \mathrm{tsu}^{55}$ (Ch.)
multiply, $\mathrm{i}^{55} \mathrm{fu}^{55} \mathrm{So}^{31} \mathrm{n}_{\mathrm{o}} \mathrm{i}^{55} \mathrm{Yo}^{31}$
muntjac (deer), $s 1^{31} \mathrm{z}^{31}$
murder, $\mathrm{a}^{31}$ ts $^{\mathrm{h}} \mathrm{un}^{31} \mathrm{san}^{53}$
muscles, $\mathrm{n}^{31} \mathrm{Sa}^{55} \mathrm{n} \varepsilon^{55}$
mushroom, $\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{mu}^{55}$
mushroom, straw-, $m u^{31} \mathrm{k}^{\mathrm{h}} \mathrm{am}^{55}$
mushroom, fungus, edible, $\mathrm{mu}^{31} \mathrm{gun}^{55}$
mushroom; fungus, $\mathrm{mu}^{55} \mathrm{dim}^{55}$
mushroom, k. of, $\mathrm{mo}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u}{ }^{55}$
mushroom, k. of, $\mathrm{tca}^{31} \mathrm{mu}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{ia}^{35} \mathrm{lu}^{55}$
mushroom, k . of, $\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{mum}^{55} \mathrm{dim}^{55}$
mushroom, k . of, $\mathrm{m}^{55} \mathrm{bul}^{31} \mathrm{si}^{31}$
mushroom, k. of, $\mathrm{mur}^{35} \mathrm{ku}^{33}$
mushroom, k. of, $\mathrm{d}_{\mathrm{q}} \mathrm{i}^{55} \mathrm{c}_{\mathrm{cm}}{ }^{55} \mathrm{bum}^{55} \mathrm{mu}^{55} \mathrm{dim}^{55}$
mushroom, k. of, $\mathrm{mu}^{55} \mathrm{ti}^{33} \mathrm{li}^{33}$
mushroom, k. of, $\mathrm{da}^{31} \mathrm{so}^{55} \mathrm{mu}^{35} \mathrm{dim}^{55}$
mushroom, k. of, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{su}^{35} \mathrm{mus}^{55} \mathrm{dim}^{55}$
musical instrument, $\mathrm{io}^{31} \mathrm{tc}_{6}^{\mathrm{h}} \mathrm{i}^{35}$ (Ch.)
musk deer, $\mathrm{la}^{31} \mathrm{xo}^{31}$ (Lisu); $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{la}^{55}$ (doe)
musk; moschus (Chinese medicine), $\mathrm{a}^{31}$ summ $^{55}$; Pla $^{31}$ summ $^{55}$
mustard greens, $\mathrm{Po}^{31} \mathrm{n}^{55}$
mustard greens, $10^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}$
mustard greens, $\mathrm{la}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
mute, become, sar ${ }^{55} \mathrm{~b}^{5} \mathrm{n}^{55}$
mute; dumb, $\mathrm{di}^{31} \mathrm{ban}^{55}$
mute; dumb, mute; dumb, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{~b} \mathrm{n}^{55}$
mutual, $\mathrm{a}^{31}$ -
mutual, help each other, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{v} \varepsilon^{3}$
mutton, $\mathrm{a}^{31} \mathrm{ian}^{31} \mathrm{ca}^{33}$
mutton, $\mathrm{a}^{31} \mathrm{~b} \varepsilon^{55} \mathrm{ca}^{33}$
muzzle (of gun), dzo ${ }^{55} \mathrm{k}^{\mathrm{h} \tilde{a}^{33}} \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{31}$
$m y, a^{31} i^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}, \mathrm{na}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
myself, $\mathrm{a}^{31} \mathrm{io}^{31}$ lun ${ }^{55}$
nail, $\mathrm{a}, \mathrm{xo}^{33} \mathrm{ts} 1^{55}$ (Lisu)
nail, to, $a^{31} \mathrm{t}^{h} \tilde{a}^{55} \mathrm{u}^{31}$
nail onto, $\mathrm{t}^{\mathrm{h}} \mathrm{a} \mathrm{P}^{31}-\mathrm{i}$
nail, fingernail, $\operatorname{nin}^{55}$
naked, $\left(\mathrm{da}^{31}\right.$ gur $\left.^{31}\right){ }^{\text {ts }}{ }^{\text {h }}{ }^{55}$
name someone or something, buu ${ }^{31}{ }^{1} \mathrm{En}^{55}\left(\mathrm{lnn}^{55}\right)$
name, bur ${ }^{31}$, bium ${ }^{31}$
name, $a, ~ y \varepsilon^{31} n u^{31}, a^{31} n u \eta^{31}$
name, number, mark, $\mathrm{ba}^{31} \mathrm{la}^{55}$
nape, back of neck, go $^{31} 10^{53} \mathrm{dun}^{55}$
narrow (road), $\mathrm{tci}^{{ }^{55}} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{55}$
national flag, $k u \varepsilon^{35} \mathrm{p}^{\mathrm{h}} \varepsilon^{35}$ (Ch.)
native village, $\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{za}^{55}$
naughty, $\subset \varepsilon^{31} \tilde{C 1}^{55} \varepsilon^{31}$
naughty, $\mathrm{po}^{55} \mathrm{p}^{\mathrm{h}} .11^{53}$
naughty; mischievous, $\subset \varepsilon^{31} \operatorname{ci}^{55} \varepsilon^{31}$
nauseating, dun ${ }^{55} \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{35}$
navel, $\mathrm{b}^{33}{ }^{33} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{55}$
near, $\mathrm{if}^{55} \mathrm{dza}^{53}>\mathrm{Pi}^{33} \mathrm{dza}^{33}$
near childbirth, ${ }^{31} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31} \mathrm{di}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{55} \mathrm{~S}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{35} \mathrm{ni}^{33}$
nearby, $\mathrm{i}^{55} \mathrm{dza}^{55}\left(\mathrm{ba}^{31}\right)$
neat, tidy, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}$
neck bone, $\mathrm{go}^{31} \mathrm{IO}^{53} \mathrm{sa}^{53} \mathrm{zul}^{33}$
neck tumor, $\mathrm{duu}^{31} \mathrm{bal}^{55}$
neck, $\mathrm{go}^{31}{ }^{1} \mathrm{IO}^{53}, \mathrm{go}^{31}{ }^{5} \mathrm{lo}^{55}$

needle (sewing), $\mathrm{ruam}^{55}$
neigh (horse), cry (of animal), na $\tilde{a}^{55}$
neighbor, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{dzu}^{33} \mathrm{ts}^{\mathrm{h}} \mathrm{ar}^{31}$
neighbor, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{gu}^{31} \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31}$
neighbor, $\operatorname{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{zar}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{du}^{31} \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ar}^{31}$
neighboring, next door, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
nephew; niece, $\mathrm{na}^{31} \mathrm{say}^{31}$
nervous, $\mathrm{ba}^{31} \mathrm{~s} \mathrm{l}^{31} \mathrm{di}^{31} \mathrm{dzan}^{31}$
nest for birds, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dan}^{31}$
nest, $\mathrm{t}_{6}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dan}^{31}$
nest, $\mathrm{a}, \mathrm{nin}^{55} \mathrm{uq}^{31} \mathrm{~d}_{\mathrm{q}} \mathrm{i}^{31} \varepsilon^{31}$
nest, to, nin $^{55} \mathrm{ua}^{31} \mathrm{dzi}^{31} \varepsilon^{31}$
net (e.g., fishing), $\mathrm{p}^{\mathrm{h}} \mathrm{w}^{31} \mathrm{ia}^{55}$
net (weave), $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{i}^{5}{ }^{55} \mathrm{Pban}^{55}$
new (clothes), $\mathrm{y}^{31} \mathrm{~s} \mathrm{\varepsilon} \varepsilon^{55}, s \varepsilon^{55}$
New Year, $\eta^{31}$ n, $w y^{55}{ }^{5} \varepsilon^{55}$
newspaper, pau ${ }^{35} \mathrm{t}_{\mathrm{S}}{ }^{53}$, pau $^{31} \mathrm{t}_{\mathrm{t}}{ }^{55}$
next, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{ay}^{35}$
next $=$ before, $\mathrm{ma}^{55} \mathrm{Su}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{53}$
next to, nearby, $\mathrm{di}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{55} \mathrm{da}^{33}$
nickname, $a^{31} \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{31}$ bun ${ }^{55}$
niece; brother's daughter, $\mathrm{bu}^{31} \mathrm{du}^{53}$
night, dum ${ }^{31} \mathrm{a}^{31} \mathrm{if}^{53}$
night, $\mathrm{a}^{31} \mathrm{~S} \mathrm{e}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
night, deep in the, $a^{31}{ }^{6} a^{55}$ gun $^{31}$
night, last, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ma}^{55} \mathrm{~S}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
night, ian ${ }^{55}$
night (whole), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ian}^{55} \mathrm{di}^{33}$
night falls, $\mathrm{dum}^{31} \mathrm{a}^{31} \mathrm{ni}^{55}$
night school, $a^{31}$ vam $^{55} \varepsilon^{31}$
nine, $\mathrm{dum}^{31} \mathrm{gu}^{31}, \mathrm{ku}^{55}$ (Lisu)
nineteen, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{dum}^{31} \mathrm{gur}^{31}$, $\mathrm{ts}^{\mathrm{h}} \mathrm{l}^{31} \mathrm{ku}^{55}$ (Lisu)
nineth, $\mathrm{ti}^{\mathbf{3 5}} \mathrm{tcu}^{53}$
nineth early branch (monkey), nid ${ }^{31}$ sa $^{31} \mathrm{n}_{\mathrm{mu}}{ }^{55}$
ninety, dum ${ }^{31} \mathrm{gu}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$
nipple, teat, $\left.\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}\right)^{55}$
nit (louse egg), cum $3^{55} \lim ^{31}$
nitre; saltpetre, $\mathrm{po}^{55} \mathrm{na}^{55} \mathrm{ts} 1^{31}$ (Lisu)
nod (head), nom ${ }^{55}$ nom $^{55} ;$ nom $^{31} \mathrm{~S} 1^{55}$
nod, to, $\mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{55} \tilde{\varepsilon}^{31} \tilde{\mathrm{u}}^{31}$
noisy, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{c}^{\mathrm{h}} \mathrm{m}^{31} \mathrm{~S} 1^{55}$
nonpoison arrow, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{daq}^{55}$
nominalizers (NOM), $-\mathrm{o}^{55},-\mathrm{o}^{31},-\mathrm{u}^{55},-\mathrm{u}^{31}, \mathrm{~d}^{2} \mathrm{~m}^{55}, \mathrm{za}^{55}, \mathrm{su}^{55} ; \mathrm{y}^{31}-, \mathrm{Pb}^{31}-$
noodles from bean or sweet potato starch, furn ${ }^{55} \mathrm{t}^{\mathrm{h}}$ iau ${ }^{31}$ (Ch.)
noodles (string), $\mathrm{ca}^{31} \mathrm{ad}^{31}$ bur ${ }^{55}\left(\mathrm{k}^{\mathrm{h}} \mathrm{a}^{53} m \varepsilon^{35}\right)$
noodles, fried, $\mathrm{d}^{31} \mathrm{bo}^{55} \mathrm{uq}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31}$
noodles, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{53} \mathrm{~m} \varepsilon^{35}$
noon, $\mathrm{a}^{31} \mathrm{i}^{35} \mathrm{mu}^{31} \mathrm{Jug}^{31}$
noose (to catch game), $\epsilon^{33} \mathrm{xuml}^{55}$
north, $\mathrm{t} \mathrm{c}^{31}{ }^{31} \mathrm{bo}^{55}$
north wind, $\mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{bo}^{55} \mathrm{na}^{31} \mathrm{bu}^{31}$
north to south, east to west, $\mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{n}_{\mathrm{i}} \mathrm{i}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{bo}^{55}$
nose bleed, $\mathrm{s}^{31} \mathrm{na}^{55} \mathrm{cu}^{33}$
nose hair, $\mathrm{s}^{31} \mathrm{na}^{55} \mathrm{~min}^{33}$
nose ridge, $\mathrm{s}^{31} \mathrm{na}^{55} \mathrm{gul}^{31}$
nose ring of a cow, $\mathrm{na}^{55} \mathrm{ka}^{55}$
nose, $\mathrm{s} 1^{31} \mathrm{na}^{55}$
nostril, $s^{31} \mathrm{na}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u} \tilde{a}^{31}$
not be, $\mathrm{m}^{31} \mathrm{zi}^{55}$
not be at, $\mathrm{m}^{31} \mathrm{no}^{33}$
not enough; insufficient, $\mathrm{Pa}^{31} \mathrm{~d}$ zim ${ }^{55}$
not cold, not hot, $\mathrm{ma}^{31} \mathrm{~m}^{31} \mathrm{~d} 7 \mathrm{an}^{55} \mathrm{ma}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{e}^{55}$
not only...but also ..., $\mathrm{t}^{\text {h }} \mathrm{ia}^{35} \mathrm{~m}^{31} \mathrm{a}^{35} \ldots$
not permitted, $\mathrm{m}^{31} \mathrm{da}^{55} \mathrm{~d} \mathrm{i}^{31}{ }^{31}$
not the same, not identical, $\mathrm{ma}^{31} \mathrm{du}^{55}$
not willing, $\mathrm{m}^{31} \mathrm{na}^{55} \mathrm{cun}{ }^{55}$
not worry, nim $^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{s}^{31} \mathrm{ca}^{31}$
not, negative, $\mathrm{m}^{31}$
notebook, $\mathrm{n}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{am}^{55}$
notify, inform, $\mathrm{t}^{\mathrm{h}} \mathrm{ur}^{55} \mathrm{ts}^{55}$
November, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{53} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{la}^{55}$
now; at present, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{yi}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{55}$
now, $\mathrm{i} \varepsilon^{55}{ }^{5} \operatorname{an}^{55} \mathrm{num}^{31} ; \mathrm{i} \mathrm{\varepsilon}^{31} ; \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{55} ; \mathrm{i} \mathrm{\varepsilon}^{31} \mathrm{p}^{\mathrm{h} \mathrm{i}^{55}}$
Nu language, $\mathrm{a}^{31} \mathrm{num}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
Nu (person), $\mathrm{a}^{31}$ nun ${ }^{31} \mathrm{t}{ }^{5} 1^{55}$
Nu nationality, $\mathrm{a}^{31}$ nur $^{31} \mathrm{ts}^{\mathrm{h}} 1^{55}$
Nùjiāng River (Salween), $\mathrm{a}^{31} \mathrm{num}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{mu} \mathrm{u}^{31}$
numb, t $\underline{\epsilon}^{\mathrm{h}} \underline{\varepsilon}^{55} ; \mathrm{tc}^{\mathrm{h}} \underline{\varepsilon}^{35}$
numeral on clock, $\mathrm{p}^{\mathrm{h}} \mathrm{an}^{31}$ cum ${ }^{55}$
nunnery, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ven}^{31} \mathrm{guin}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$ ?
nuptial chamber, $\mathrm{a}^{31} \mathrm{ts} \mathrm{s}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{se}^{55} \mathrm{kuan}^{55}$
oclock, (one) hour, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{so}^{31}$
oar, $\mathrm{a}^{31}$ v.i. ${ }^{55}$
object (obj), $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$, ba $^{31}$
observe festival, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{~S} 1^{31}$
obstinate, stubborn, nim ${ }^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{33}$
obverse; right side; front; ahead, $\mathrm{ma}^{55} \mathrm{su}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
occupy, $\mathrm{ga}^{35} \mathrm{o}^{31}$
occur, happen, añ $^{55} \mathrm{num}^{55}$
occur, happen, $\mathfrak{q u}^{55} \mathrm{a}^{31} \mathrm{na}^{33}$
October, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{la}^{55}$
off white, $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{mo}^{31}$
offend, $\mathrm{li}^{31} \mathrm{i}^{31}$
offer, dedicate, dur ${ }^{53}$
officer, iu ${ }^{31} \mathrm{dz} \mathrm{a}^{33} \mathrm{su}^{55}$
official, dzu ${ }^{31} \mathrm{u}^{31}$
oil palm, $\mathrm{a}^{31} \mathrm{l}^{35}$
oil soup, $6 a^{55} t^{\text {h }} 1^{31}$
oil, grease, lard, $\mathrm{xua}^{35} \mathrm{ium}^{31}$
oil, $\mathrm{r}^{31} \mathrm{su}^{53}$
oil, rapeseed, $\mathrm{k}^{\mathrm{h}} \varepsilon^{55} \mathrm{su}^{55}$
oil, vegetable or plant, $\mathrm{n}^{31} \mathrm{su}^{53}$
oil, walnut, bu ${ }^{31}$ iu $^{55}$
oil; grease, $\mathrm{xua}^{35} \mathrm{im}^{31}$ (Ch.)
ointment, $n \varepsilon^{55} \mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{a}^{31} \mathrm{ma}^{55} \mathrm{dem}^{55}$
ointment, rub on, $\varphi \mathrm{a}^{55} \mathrm{su}^{55} \mathrm{n} \varepsilon^{55} \mathrm{st}^{\mathrm{h}} 1^{31} \mathrm{a}^{31} \mathrm{ma}^{55} \mathrm{Sq}^{55}$
old (clothes), $\mathrm{l}^{55}$
old (person, vegetables), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{man}^{31}$
old man, $\mathrm{di}^{53} \mathrm{tc}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{za}^{55}$
old man, old person, $a^{31} \mathrm{sa}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
old person, adult, $\mathrm{a}^{31} \mathrm{sa}^{55}$
old person, $\mathrm{a}^{31} \mathrm{sa}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
old woman, $\mathrm{a}^{31} \mathrm{sa}^{55} \mathrm{mur}^{31}$
old, $\mathrm{n}^{31} \mathrm{n}^{55}$
oldness, $\mathrm{y}^{31} \mathrm{l}^{55}$
on credit, buy or sell, $1 \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
on friendly terms, $\mathrm{a}^{31} \mathrm{di}^{31} \mathrm{dzi}_{\mathrm{i}}{ }^{55} \mathrm{~S} 1^{31}$
on purpose; perversely, $\mathrm{ma}^{31} \mathrm{ma}^{31} \mathrm{di}^{33}$
on the other side of (a river), $\mathrm{di}^{31}$ xanu ${ }^{31}$
on top of, $\mathrm{t}^{\mathrm{h}} \mathrm{ar}^{55}$
on verge of, $\mathrm{dz} 1^{31} \mathrm{dzu}^{55}$
once; ever, ia ${ }^{31}$
once; one, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$
one and a half, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{n}_{\mathrm{D}} \mathrm{w}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
one half, $\mathrm{t}^{\mathrm{h}}{ }^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
one jin and a half, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{gam}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
one oclock, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{so}^{31}$
one pace, a step, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{gam}^{33}$
one part, $\mathrm{i}^{31}$ fum ${ }^{55}$
one person boat; dugong boat out of trunk of a tree, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{~S}^{55} \mathrm{a}^{31} \mathrm{su}^{31}$
one week, $\mathrm{t}^{\mathrm{h}}{ }^{31} \mathrm{~s} \mathrm{~g}^{31} \mathrm{ni}_{\mathrm{i}}{ }^{55}$ (Lisu)
one-by-one (people), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ios}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{io}^{55}$
one-cupped-hand-worth, $\mathrm{m}^{31}$ guan ${ }^{53}$
one-cupped-hand-worth, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{mo}^{31}$ guan ${ }^{53}$
one-tenth of a tael, cum ${ }^{55}$
one-third of a meter, $\left(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}\right) \mathrm{d} 7 \mathrm{a}^{55}$ (Lisu)
one, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}, \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$ (Lisu)
oneself, $\mathrm{r}^{31}$ lun ${ }^{55}$
onion, green, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{su}^{35} \mathrm{mu}^{55} \mathrm{dim}^{55}$
onion, scallions, $\mathrm{ts}^{\mathrm{h}} \mathrm{o}^{55}$ (Ch.)
only $=$ one, $\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$
only, $\mathrm{si}^{55}, \varepsilon^{31} \mathrm{si}^{55}$, tcha $^{35} \mathrm{imin}{ }^{31}$
open (a book), $\left({ }^{5} 1^{55} \mathrm{va}^{31}\right) \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55}\left(\mathrm{na}^{31} \mathrm{u}^{31}\right)$
open (a shop), $n a^{31} t c^{h} w \eta^{55} p^{h} u \eta^{53}$
open (an umbrella), $\mathrm{mo}^{55} \mathrm{p}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \mathrm{mo}^{31} \mathrm{~s}^{55}$
open (an umbrella), $\mathrm{p}^{\mathrm{h}} \mathrm{\varepsilon n}^{53}$
open (bag), $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{o}^{55}$
open (door, lid), to, $\mathrm{p}^{\mathrm{h}} \mathrm{uy}^{55}\left(\mathrm{u}^{31}\right)$
open (door), $\mathrm{t}^{\mathrm{h}} \mathrm{i} \tilde{\varepsilon} \eta \mathrm{u}^{31}$
open (mouth), $\mathrm{a}^{55}$
open (mouth), $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
open (mouth), $\mathrm{xa}^{33} \mathrm{~s} 1^{31}$
open eyes wide, $\mathrm{da}^{33}$ dã ${ }^{31}$
open eyes, $n \mathrm{ni}^{55} \operatorname{lu}{ }^{55}{ }^{5} \mathrm{~d} \not \varepsilon^{31}{ }^{31} \mathrm{lin}^{55}$
open out, separate, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{gu}^{31} \mathrm{u}^{31}$
open stall, dur ${ }^{55} \mathrm{~S} 1^{31}$
open up wasteland, $t \varphi^{\mathrm{h}} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{u}^{31}$
open, $\left.\mathrm{p}^{\mathrm{h}} \mathrm{w}\right)^{35}\left(\mathrm{u}^{31}\right)$
open, tear up, $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{33} \mathrm{Ro}^{55}$
open; unfold; turn, $\mathrm{p}^{\mathrm{h}} \mathrm{ul}^{55} ; \mathrm{p}^{\mathrm{h}} \mathrm{ug}^{55} \mathrm{u}^{31}$
opening, $\mathrm{m}^{31} \mathrm{dza} \mathrm{a}^{35} \mathrm{u}^{31}$
operate on, $\mathrm{bi}^{55} \mathrm{u}^{55}$
operation, an, $z 1^{31} \mathrm{gu}^{31} \mathrm{\gamma a}^{53} \mathrm{a}^{55}$
opinion, $\mathrm{i}^{35} \mathrm{t}_{\mathrm{tc}} \mathrm{n}^{35}$
opium, $\operatorname{ga}^{55} n \mathrm{n}^{55} \mathrm{a}^{31} \mathrm{i} \tilde{a}^{31}$
oppose, fen ${ }^{55}$ tue ${ }^{35}$
opposite, across from, $\mathrm{lu}^{55} \mathrm{lu}^{35} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
opposite, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{t}^{\mathrm{h}} \tilde{\varepsilon}^{53}$
optative (opt), $l \varepsilon^{55}--\mathrm{lie}^{31}, \mathrm{la}^{31}--\mathrm{lie}^{31}$
or, $\mathrm{me}^{33}$, $\mathrm{si}^{55}$
orangutan, $\mathrm{ga}^{55} \mathrm{gul}^{31}$ (Lisu)
orchard, cuin ${ }^{55} \mathrm{~S}^{31} \mathrm{~d} \mathrm{pa}^{31}$ ham $^{55}$
order food in restaurant, $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{~Pa}^{31} \mathrm{sen}^{55}$
ordinal marker, $\mathrm{kum}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55}+$ number
ordinal prefix, $\left.?^{25}{ }^{55} \mathrm{p}^{h} \mathrm{a}\right)^{55}+$ number
origin, $\mathrm{ua}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{w}^{31}$
originally, $\mathrm{ii}^{55} \mathrm{zun}^{31}$
originally, at first, $\mathrm{ba}^{55} \mathrm{Su}^{31}$
originally, at first, $\mathrm{n}^{31} \mathrm{mo}^{55} \mathrm{a}^{33}$
orphan, $\mathrm{di}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{u}^{55}$
others, $a^{31} k^{h} i^{31}$
others, other people, $a^{31} t s^{h} a \eta^{31}$
others, other people, $a^{31} t^{h} \mathrm{an}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
otter, yua ${ }^{55} \mathrm{la}^{31}$ (Lisu)
ouch, $\mathrm{a}^{55} \mathrm{la}^{55}$ !
ought to, should, $a^{31} n \varepsilon m^{55}$
ours (excl.), $a^{31}$ ium ${ }^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
ours (incl.), $\mathrm{a}^{31} \mathrm{nd}^{35} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
outer ear, $\mathrm{a}^{31} \mathrm{na}^{31} \mathrm{di}^{55} \mathrm{t}_{\mathrm{Cin}}{ }^{55}$
outer part of clothes, $n a^{33} t^{h} \mathrm{an}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
outer room, $\mathrm{Pe}^{55} \mathrm{ba}^{31} \mathrm{dun}{ }^{55} \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{55}$
outside, $\left(\mathrm{i}^{55}\right) \mathrm{di}^{31} \mathrm{t}_{6}{ }^{\mathrm{h}} \mathrm{in}^{55}$
outside of garment, $\left.n^{33} \mathrm{t}^{\mathrm{h}} \mathrm{an}\right)^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
outside corner, $a^{31}$ dzuy ${ }^{55}$
outside, surroundings, $\left(\mathrm{Pi}^{55}\right) \mathrm{di}^{31} \mathrm{t}_{6}{ }^{1 r} 1^{55}$
outsider, $o^{31} n_{n} w^{55} a^{31} t s^{h} a^{31}$
oval shaped, $\mathrm{t}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{31}$
over there, $?^{55} \mathrm{num}^{31}$
over twenty, $\mathrm{a}^{31} \mathrm{ndi}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$
over; top; last, $\mathrm{na}^{33} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}, \mathrm{t}^{\mathrm{h}} \mathrm{an}^{53}$
overcooked, burnt, s $\mathrm{m}^{55} \mathrm{bu}^{31}$ dzi ${ }^{31} \varepsilon^{31}$
overflow, to, $\mathrm{a}^{31} \mathrm{Su}^{31} \mathrm{ra}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{un}^{55} \mathrm{a}^{31} \mathrm{im}{ }^{55}$
overflow, spill, di ${ }^{31} \mathrm{tc}^{1 r} \mathrm{in}^{55} \mathrm{~Pa}^{31} \mathrm{Su}^{31}$
overgrown $=$ old, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{man}^{31}$
overnight, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ian}^{55} \mathrm{di}^{31} \mathrm{Xan}^{31} \tilde{\mathrm{u}}^{31}$
overthrow, down, $b w^{55} t^{h} \mathrm{an}^{53} \mathrm{a}^{31} n \varepsilon^{35} \mathrm{ba}^{55}$
owe (debt), ?dem ${ }^{55}$
owe, hay ${ }^{53} \mathrm{u}^{31}$
owl, $\mathrm{ka}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}$
ox, bull, $n \tilde{o}^{31} u \tilde{a}^{31} p^{h} u^{31}$
ox horn bee, $\mathrm{ma}^{35} \mathrm{dz} 1^{31}$ (Lisu)
ox, wild, $\mathrm{Ca}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
pad, to, $\operatorname{ci}^{31}{ }^{n} \varepsilon \eta^{31} \tilde{\mathrm{u}}^{31}$
padded jacket, $\mathrm{da}^{31} \mathrm{Pu}{ }^{55} \mathrm{ga}^{31} \mathrm{mu}^{31}$
paddle, row, $\mathrm{a}^{31} \mathrm{sux}^{31} \mathrm{zam}^{53}$
paddy (rice), $\mathrm{dzil}^{31} \mathrm{ia}^{53} \mathrm{so}^{55}, \mathrm{dzil}^{31} \mathrm{ia}^{33} \mathrm{so}^{55}$
pagoda, $\mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
pain, suffering, nim ${ }^{31} a^{31} \mathrm{dza}^{55}$
painful, $a^{31} \operatorname{dza}^{55}\left(\mathrm{yu}^{31}\right)>\mathrm{a}^{31} \mathrm{dza} \tilde{n}^{55}$
paint (house), $\left.\mathrm{tcc}^{55} \mathrm{dz}\right]^{31} \mathrm{dza}^{55} \mathrm{u}^{31}$
paint or draw picture, $\mathrm{xua}^{35} \mathrm{xua}^{35}$
paint, $\mathrm{da}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{Ji}^{55} \mathrm{su}^{55}$
paint, to, $\mathrm{Pa}^{35} \mathrm{man}^{55} \mathrm{u}^{55} / \mathrm{manu}^{55}$
paint, $\mathrm{qa}^{31} 2 \mathrm{q} \varepsilon^{35}$
paint; lacquer, $\mathrm{da}^{31} \mathrm{k}^{\mathrm{h}} \cdot \mathrm{I}^{55}\left(\mathrm{sum}^{55}\right)$
pair; clf., dzui ${ }^{55}$
pajamas, nim ${ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35} \mathrm{gua}^{55} \mathrm{dem}^{55} \mathrm{ga}^{31} \mathrm{mum}^{31}$
palm (leaf), $\mathrm{p}^{\mathrm{h}} \mathrm{am}^{31}$
palm of hand, $a^{31} v u^{35} p^{h} \mathrm{am}^{55}$
palm print, $\mathrm{a}^{31} \mathrm{vu}^{35} \mathrm{p}^{\mathrm{h}} \mathrm{am}^{55}$ bun ${ }^{55}$
palm tree, $a^{31} \mathrm{dz} \mathrm{\varepsilon}^{55} \mathrm{dzum}{ }^{55}$
palm, lines of, $\mathrm{a}^{31} \mathrm{vu}^{35} \mathrm{bun}{ }^{55}$
palm, middle of, $\mathrm{a}^{31} \mathrm{vu}^{35} \mathrm{pam}^{55} \mathrm{du}^{31} \mathrm{dum}^{31}$
palm; sole, $\mathrm{p}^{\mathrm{h}} \mathrm{am}^{55}$
pancake, maize or millet, pin $^{55} \mathrm{ts}^{33}$ (Ch.)
pancreas, $\mathrm{r}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$ ven ${ }^{55}$
pant, gasp, san ${ }^{55} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} u \eta^{31} ; \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{unn}^{3}$
pant; gasp, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{35}$
pants, $\varphi a^{33} \mathrm{ma}^{55}\left(\mathrm{t}^{\mathrm{h}} \mathrm{m} \eta^{55}\right) ; ~ \varphi a^{31} \mathrm{~m} \varepsilon^{55}$
paper, $\mathrm{s}^{55} \mathrm{va}^{31} \mathrm{a}^{31} \mathrm{zu}^{33} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
parcel or sack (of things), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}$
pare, peel (with knife), $\varsigma \varepsilon \mathrm{m}^{55}$
parents; father and mother, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{a}^{31} \mathrm{mu}^{31}$
parrot, $\mathrm{a}^{55} \mathrm{dz}_{\mathrm{i}} \mathrm{i}^{31} \mathrm{sa}^{55}$ (Lisu)
part from, leave, $\mathrm{a}^{31} \mathrm{di}^{31} \mathrm{ba}^{55} / \mathrm{ba} \mathrm{\eta}{ }^{55}$
partial to and side with, nam ${ }^{31}$
partial, biased, $\mathrm{a}^{31} \mathrm{~m}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31} \mathrm{uq}^{31}$
particle (PRT), $\mathrm{ne}^{33}$, $\mathrm{se}^{33}$
partition, wooden, $\left(\operatorname{tc}^{\mathrm{h}} \mathrm{im}^{31}\right) \mathrm{di}^{31} \mathrm{xan}^{31}$
partition, wooden, $\mathrm{s}^{55} \mathrm{lan}^{33} \mathrm{da}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{~s}^{55} \mathrm{lan}^{33} \mathrm{da}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}$
pass (by a place), go through, $\mathrm{li}^{53}$
pass by (e.g., two years), $\mathrm{\chi i}^{53} \mathrm{a}^{31} \mathrm{ba}^{33}$
pass entrance exam, $\mathrm{k}^{\mathrm{h}} \mathrm{au}^{55} \mathrm{~s}^{55} \mathrm{gan}^{55} \mathrm{Pd} \varepsilon^{35}$
pass into the womb, $\mathrm{o}^{31} \mathrm{mo}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{io}^{55} \mathrm{num}^{31}$
pass on to, $\mathrm{di}^{31} \mathrm{ba}^{31} \mathrm{u}^{31}$
pass; exceed, li ${ }^{53}$ ba $^{33}$
pass; exceed, $\mathrm{n}^{31}$ dzan ${ }^{55}$
passable; indifferent, $\left.\left.\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{w}\right)^{55} \mathrm{t}^{\mathrm{h}} \mathrm{m}\right)^{55}$
past marker, $\mathrm{ie}^{31}$
paste on (stamp), $\mathrm{im}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{iau}^{35} \mathrm{zam}^{53}$
paste something up, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{o}^{55}$
paste, stick, glue, dzam ${ }^{53}$
pastry, cake, $\mathrm{pin}^{55} \mathrm{ts} 1^{33}$
pasture; grazing land, $\mathrm{ni}^{31} \mathrm{na}^{31} \mathrm{~s}^{33} \tilde{\mathrm{a}}^{55} \mathrm{mu}^{53 /{ }^{55}}$
pat (on the shoulder), $a^{31} n a^{31}$
patch, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{31}$
path, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
paths between fields, $\left.\mathrm{da}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{dã}\right)^{55}$
patience, nim $^{31} \mathrm{num}^{55} \varepsilon^{31}$
patient, forbearing, $\mathrm{dzu}{ }^{31} \mathrm{~s}^{55}$
patient, nim ${ }^{31}$ nư ${ }^{55}$
patient, sick person, $t^{\text {h }} \mathrm{d}^{53} \mathrm{na}^{55}$
pave, lay, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{lu}^{53}$
pay attention, $a^{31} \mathrm{~d}_{7} \mathrm{a}^{33}{ }^{5} 1^{31}$
pay for, $\mathrm{ti}^{31} \mathrm{liu}^{53}$
pay for; compensate, $\mathrm{n}^{31} \mathrm{dzan}^{31}$
pay for; compensate, $\mathrm{ti}^{31} \mathrm{qiu}^{53}, \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{qu}^{31}$
pay in restaurant, sua ${ }^{55} \mathrm{ni}^{55} \mathrm{ua}^{55}$
pay respect to God, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{ia}^{33} \mathrm{mu}^{31} \mathrm{gu}^{31}$
pay taxes, $\mathrm{i}^{55} \mathrm{Su}^{55} \mathrm{za}^{31} \mathrm{a}^{31}$
pay tuition, $\mathrm{tc}^{\mathrm{h}} \mathrm{En}^{55} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{w}^{55} \mathrm{sa}^{31} \mathrm{u}^{31}$
payment to porter, $¢ \mathrm{a}^{31} \mathrm{z}^{35} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{35}$
peace, $\mathrm{t}^{\mathrm{h}} \varepsilon^{35} \mathrm{p}^{\mathrm{h}} \mathrm{in}^{31}$ (Ch.)
peach, $\mathrm{mul}^{31} \mathrm{~s}^{1} \mathrm{~m}^{31}$
peak, highest point, $\mathrm{ma}^{31} \mathrm{na}^{53}$
peak, $\mathrm{mo}^{31}$ gut $^{55} \mathrm{t}^{\mathrm{h}} \mathrm{ar}^{55}$
peanut, $\mathrm{xua}^{55} \mathrm{su}^{55}$ (Ch.)
pear-leaved crab apple, $\mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$
pear-shaped crab, $\mathrm{t}^{\text {hi }} \mathrm{im}^{31}$
pear, $\mathrm{sl}^{33} \mathrm{tss}^{\mathrm{h}} \mathrm{o}^{55}$
peas, do $^{31}{ }^{1} \mathrm{ss}^{\mathrm{h}} \mathrm{i}^{31}$ (Lisu)
peasant, $\mathrm{la}^{31} \mathrm{ma}^{55} \mathrm{ua}^{33} \mathrm{su}^{55}$
pebble, dzi ${ }^{31} \mathrm{ha}^{31}{ }^{1} \mathrm{ln}^{55}$
peck (dry measure), dum ${ }^{55}$
peck at, $\mathrm{Pa}^{31} \mathrm{~d} \boldsymbol{z \varepsilon} \mathrm{n}^{55}$
peck, to, $a^{31}$ gia $^{31} \mathrm{n}^{55}$
peddler, $?^{31}{ }^{31} \mathrm{la}^{55} t \mathrm{c}^{\mathrm{h}} \varepsilon \mathrm{n}^{31} \mathrm{uq}^{55} \mathrm{su}^{55}$
peel (of skin), sum ${ }^{53} \mathrm{u}^{31}$
peel (of thunder), $\left(\mathrm{mu}^{55}\right) \mathrm{da} 1^{55}$
peel, skin, to, $\mathrm{k}^{\mathrm{h}} \mathrm{in}^{55}$ (bark), sam ${ }^{31}$ (sheep)
peel (with peeler or knife), $¢ \varepsilon \mathrm{~m}^{55}$
peel; rind, $2 y^{31} t^{\mathrm{h}^{\mathrm{h}} \mathrm{i}^{55}}$
peep, to, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55} \mathrm{~d} \mathrm{qa}^{31} \tilde{\mathrm{u}}^{55}$
pen (fountain), $\mathrm{kan}^{55} \mathrm{pi}^{31} ; \mathrm{pi}^{33}$ (Ch.)

pen for draught animals, ma $^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$
pen for sheep or goats, $a^{31} b^{55} d z a^{31} \mathrm{xam}^{35}$
pen, in (sheep), $\mathrm{p}^{\mathrm{h}} \mathrm{am}^{31}$
pencil, $\mathrm{tc}^{\mathrm{h}} \tilde{\mathrm{a}}^{55} \mathrm{pi}^{31}$ (Ch.)
pencil sharpener, $\mathrm{t}_{6}{ }^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \mathrm{pi}^{53}{ }^{5} \varepsilon \mathrm{~m}^{53}$
penis, $\mathrm{tc}^{\mathrm{h}} \mathrm{um}^{33}\left(\mathrm{lu}^{55}\right)$
penis (euphemistic, baby term), bu $\left.{ }^{31} l u\right)^{55}$
people, zun ${ }^{31} \min ^{31}$
pepper tree (female), $\mathrm{dzi}^{53} \mathrm{dzun}^{55} \mathrm{mu}^{31}$
pepper tree (male), $\mathrm{dzi}^{53} \mathrm{dzu} \eta^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
pepper, black, $\mathrm{so}^{55} \mathrm{So}^{33}$
pepper, wild, $\mathrm{a}^{31} \mathrm{dzam}^{55}$
perfective aspect, $\mathrm{t}^{\mathrm{h}} \mathrm{al}^{55}$
perfective aspect, dzi ${ }^{55}$
perform cupping, $\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{53}$
perish, die out, $\mathrm{s} 1^{31} \mathrm{ma}^{55} \mathrm{u}^{31}$
persimmon, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dza}{ }^{31}$
person, $\left(\mathrm{a}^{31}\right) \mathrm{ts}^{\mathrm{h}} \mathrm{ay}^{31}$
person from another province, $a^{31} t s^{h} \mathrm{ar}^{31} \mathrm{mu}^{31} \mathrm{a}^{31} \mathrm{ts} \mathrm{s}^{\mathrm{h}} \mathrm{q}^{31}$
person wearing glasses, $\mathrm{ni}^{55} \mathrm{lun}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{so}^{5} \mathrm{mu}^{53}$
persuade, to, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{u}^{31}$
pestle, rice, $\mathrm{sa}^{33} \mathrm{~b} .1_{1}^{31}$
pestle, dza ${ }^{31} \mathrm{p}^{\mathrm{h}} \mathrm{ar}^{31}$
pet name, buin ${ }^{31} \mathrm{t}^{\mathrm{h}} \mathrm{E}^{31}$
petals of a flower, $¢ \mathrm{mi})^{55} \mathrm{ven}^{55} \mathrm{ci}^{31} \mathrm{lim}^{35} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{m}^{55}$
pheasant, $\mathrm{na}^{31} \mathrm{za}^{55}$
pheasant, $\mathrm{ts}^{\mathrm{h}} \mathrm{w}^{31} \mathrm{ma}^{53}$
phlegm, $\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{55} \mathrm{p}^{\mathrm{h}} . \mathrm{su}^{31}$
phlegm; sputum, dza ${ }^{55} \mathrm{xan}^{55}$
photograph, $\mathrm{ts}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{~d}_{\mathrm{z}} \mathrm{i}^{31}$ (Lisu)
photograph, can $^{35} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{35}{ }^{35}$
pick (fruit); pluck; select, som $^{55} \mathrm{mu}^{31}$
pick at, scrape, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} 1 \mathrm{o}^{35}$
pick out, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{u}^{31}$
pick teeth, $\mathrm{a}^{31} \mathrm{sa}^{31} \mathrm{nit}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{oo}^{31} \mathrm{~S}_{\mathrm{S}}{ }^{55}$
pick up with chopsticks (vegetables), $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h} \mathrm{i}^{35}}, \mathrm{t}^{\mathrm{h}} \mathrm{u}^{53}$
pick up, $\mathrm{t}^{\mathrm{h}} \mathrm{w}^{55} \mathrm{u}^{31}$
pick, zom ${ }^{35}$
pickle in salt, $\tilde{\mathrm{a}}^{55}$ (Lisu)
pickle in salt, $\mathrm{m}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{om}^{53}$
pickled Chinese cabbage, $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{33} \mathrm{mu}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{um}^{55}$
picture; draw a picture, xua $^{35}$ (Ch.)
piece, to, $\mathrm{ian}^{31}$
pierce, to, $\eta^{31} \mathrm{la}^{55} \mathrm{gua}^{31} \mathrm{sic}^{35} \mathrm{li}^{31}$
pierce, to, go $^{53} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{55}$
pierce, stab, $\mathrm{Cu}^{55} \mathrm{im}^{31}$
pierce, stick into, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{53} \mathrm{yu}^{31}$
piece of meat (slice), $c a^{33} \mathrm{p}^{\mathrm{h}} \mathrm{in}^{33}$
pierce the ear (lobe), $\mathrm{a}^{31} \mathrm{na}^{31} \mathrm{iw}^{55} \mathrm{~S} 1^{31}$
pierce the nose of a cow, $n a^{55} \mathrm{k}^{\mathrm{h}} \tilde{\varepsilon} \eta^{55} \mathrm{iu} \mathrm{m}^{55} \mathrm{u}^{31}$
pierce, insert, $1{ }^{55} \mathrm{k}^{\mathrm{h}} \mathrm{ug}^{31}$
pierce through, $\mathrm{t}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{lan}^{55} \mathrm{u}^{55}$
pig feed ladle, $\mathrm{Po}^{55} \mathrm{dza}^{31} \mathrm{do}^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
pig feed trough, $?_{0}{ }^{55} \mathrm{~d} \mathrm{zi}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{31}$
pig feet, $\mathrm{Po}^{55} \mathrm{~Pa}^{31} \times \mathrm{xa}^{35}$
pig heart, ${ }^{2} 0^{55} \mathrm{n}_{\mathrm{ol}}{ }^{31} \mathrm{zumm}^{31}$
pig iron, $\mathrm{xu}^{55} \mathrm{dz}^{31}$
pig liver, ${ }^{2} 0^{55} \mathrm{bu}^{31} \mathrm{cin}^{55}$
pig lungs, $\mathrm{Po}^{55} \mathrm{i}^{31} \mathrm{sum}^{55}$
pig manure, $30^{55} \mathrm{ni}^{33}$
pig meat (pork), $\mathrm{Po}^{55} \mathrm{ca}^{33}$
pig or hog bristles,, $0^{55} \mathrm{~min}^{55}$
pig pen (fence), $\mathrm{Po}^{55} \mathrm{~d} \mathrm{za}^{31} \mathrm{xam}^{55}$
pig stomach, $1 \mathrm{o}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{i} \varepsilon \mathrm{n}^{31}$

pig tongue, $\mathrm{Po}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} 1 \varepsilon^{31}$
pig urine, $\mathrm{ba}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
pig, wild, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{nam}^{53}$
pig, fat, ? $^{55} \mathrm{dzil}^{31}$
pig, $\mathrm{Po}^{55}$
pigeon; dove, $\mathrm{da}^{31} \mathrm{frl}^{55}$
piglet, $\mathrm{Ro}^{55} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{En}^{31}$
piglet; shoat, $\mathrm{Po}^{55} \mathrm{dzin}^{31} \mathrm{t}^{\mathrm{h}}{ }^{\mathrm{h}} \mathrm{n}^{31}$
pigment, $\mathrm{ts}^{5}{ }^{55} \mathrm{dz} 1^{31}$
pigpen, pigsty, $\mathrm{Po}^{55} \mathrm{dza}^{31} \mathrm{xam}^{55}$
pigtail, mu ${ }^{31}$ dzuy ${ }^{55}$
 $\mathrm{di}^{31} \mathrm{dzunn} \mathrm{u}^{31}$
pile, heap (dirt), bum $^{55}$
pile, heap; clf. for piles, bum $^{55} /{ }^{33}$
pile up, tce ${ }^{31}$
pile up, $\left.\left(\mathrm{d} \not \varepsilon^{35}\right) \mathrm{di}^{31} \mathrm{dzun}\right)^{31}$
pile up, $\mathrm{n}^{31} \mathrm{bum}^{55} \mathrm{bumm}^{31}$
pile, pile up, bom ${ }^{55}$
piles, hemorrhoids, $\mathrm{ni}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{~d} \not \mathrm{a}^{55} \mathrm{mu}^{55}$
pill, $n \varepsilon^{55} t^{\text {h }}{ }^{31}{ }^{31}\left(u^{55}\right.$ (Lisu)
pills, balls, $\left.n \varepsilon^{55} \mathrm{ts}^{\mathrm{h}} 1^{31} \chi^{u}\right)^{55}$
pillar, $\mathrm{ba}^{33} \mathrm{za}^{33} \mathrm{mu}^{31}$
pilose antler core, $\mathrm{a}^{31} \mathrm{dzun}{ }^{53} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55}$
pilose antler core, $c a^{33} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{33}$
pillow, $\mathrm{ma}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{33}$
pillow case, $\mathrm{ma}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{33} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
pimple, zit, $\mathrm{io}^{55} \mathrm{dzl}^{31}$
pincer, to, $\left.a^{31} t 6^{h} u\right)^{31}$
pincers, fire tongs, $\mathrm{ma}^{33} \mathrm{n}_{\mathrm{n}} \mathrm{m}^{33}$
pinch, $\mathrm{tc}^{\text {h }} \mathrm{i}^{33}$
pinch, to, san ${ }^{31}$
pinch (e.g., leg), $\mathrm{xua}^{55} \mathrm{yu}^{31}$
pinch, nip (with fingers), $\mathrm{m}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{om}^{55} /^{53}$
pinch, shoes, $\mathrm{k}^{\mathrm{h}} \mathrm{um}^{55} \mathrm{ni}^{33} \mathrm{tc}^{\mathrm{h}} \varepsilon^{33}$
pine cone, $s 1^{31} \mathrm{Ju}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$
pine needle, $\mathbb{S T}^{31} \mathrm{Iu}^{33} \mathrm{ba}^{55} \mathrm{xu}^{55}$
pine nut, $\mathrm{s}^{31}{ }^{31} \mathrm{u}^{33} \mathrm{~s} 1^{55}$
pine torches, $\mathrm{Sl}^{31} \mathrm{Iu}^{33}$
pine tree, $\mathrm{d} \varepsilon^{53} \mathrm{gua}^{5}, \operatorname{gu} \varepsilon \mathrm{P}^{53}, \mathrm{~S}^{31} \mathrm{Iu}^{33}$
pine tree, $\$ 1^{31} \mathrm{Iu}^{33}$ dzun ${ }^{55}$
pink, záa ${ }^{31} \tilde{\mathrm{a}}^{31} \mathrm{bu}^{31}$ si $^{55}$
pint, $1 / 10$ peck, $\mathrm{p}^{\mathrm{h}} \varepsilon \mathrm{y}^{55}$
piss, pee, $\mathrm{zl}^{33}$
pistol, dzo ${ }^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{33} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
pit (fire pit frame), $x a m^{31} \mathrm{dzan}^{55}$
pit of stomach, $\mathrm{p}^{\text {h }} \mathrm{a}^{33} \mathrm{~d}$ zim ${ }^{55}$
pit; stone, $? y^{31}{ }^{1 \mathrm{iw}}{ }^{31}$
pit (fruit) $=$ seed, luy ${ }^{55}$
pit of stomach, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{33} \mathrm{~d}$ zim ${ }^{55}$
pitch dark, $\operatorname{tc}^{\text {h }} \mathrm{mi}^{55} \mathrm{ma}^{53} \mathrm{ni}^{33}$
pitiable, poor, $\mathrm{di}^{31} \mathrm{Ca}^{55} \mathrm{~m}^{31} \mathrm{za}^{55}$
pity, piteous, $\mathrm{di}^{31} \mathrm{ca}^{55} \varepsilon^{31}$
place to rest, $\mathrm{di}^{55} \mathrm{~g}^{55} \mathrm{za}^{55}$
place under, to, $\mathrm{ci}^{31} \mathrm{n} \mathrm{E}^{55}$
place, $\mathrm{mul}^{31}$
place, $\mathrm{za}^{55}$
place; site, $\mathrm{mu}^{31} \mathrm{gam}^{53}$
placenta, $\mathrm{id}^{55} \mathrm{du}^{31}$
plain, a, $\operatorname{ta}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{un}^{31}$
plaintain, $\mathrm{a}^{31} \mathrm{cur}^{31}$
plaintain (grass), $\mathrm{a}^{31} \mathrm{dzul}^{55} \mathrm{nay}^{31}$
plane, carpenter's, $p^{\mathrm{h}} \mathrm{Il}^{55} \mathrm{du}^{31}$ (Lisu)
plane, aircraft, dzi ${ }^{31}$ hin ${ }^{55}$
plane, aircraft, $\mathrm{d}_{\mathrm{m}}{ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$
plane, to, $\mathrm{p}^{\mathrm{h}} . \mathrm{I}^{55}$
plant rice, to, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ny}^{31}$
plant (vegetables), $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{53} \mathrm{u}^{31}$
plant, transplant, $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} ; \mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{53} \mathrm{u}^{31}$
plaster, $\mathrm{a}, \mathrm{n} \varepsilon^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31} \mathrm{dzam}^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
plaster for treating sprains, $\mathrm{na}^{55} \mathrm{lu}^{55} \mathrm{n} \varepsilon^{55} \mathrm{ts}^{\mathrm{h}} 1^{31}$
plaster, apply a, $n \varepsilon^{55} \mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{dzam}^{55} \mathrm{~S} 1^{31}$
plate, $\mathrm{a}, \mathrm{b} \varepsilon^{33}$
plate, $\mathrm{a}, \mathrm{k}^{\mathrm{h}} \mathrm{E}^{55} \tilde{\mathrm{e}}^{55}$
plate, small, $\mathrm{be}^{33} \mathrm{t}^{\mathrm{h}} \varepsilon^{31}$
play, a, cil $^{35}$
play (ball), ( $\left.\mathrm{p}^{\mathrm{h} \mathrm{i}^{31}} \mathrm{t} \mathrm{c}^{\mathrm{h}} \mathrm{u}^{31}\right) \mathrm{a}^{31} \mathrm{n}_{\mathrm{E}} \varepsilon^{31} \mathrm{a}^{31}$
play (bamboo flute), dzi ${ }^{31} \mathrm{li}^{31}$
play (cards), $\left(\mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{k}^{\mathrm{h}} \varepsilon^{31}\right) \mathrm{a}^{31} n \varepsilon^{35}$
play flute, ( $\mathrm{d}_{\mathrm{y}} \mathrm{i}^{31} \mathrm{lo}^{31}$ ) $\mathrm{min}^{53}$
play bowed instrument, san ${ }^{33} u^{31}$
play chess, $\epsilon^{35} t^{\mathrm{C}^{\mathrm{h}} \mathrm{i}^{31}}$
play the Er-hu, san ${ }^{33} \mathrm{u}^{31}$
play finger-guessing game, $\mathrm{a}^{55} \mathrm{da}^{31} \mathrm{sl}^{31}$ (Lisu)
play hide-and-seek, $\mathrm{ma}^{33} \mathrm{~s}^{55} \mathrm{ba}^{31} 1 \mathrm{l}^{53} \mathrm{u}$
play janken (paper, scissors, rock), $\mathrm{a}^{55} \mathrm{da}^{31} \mathrm{Sl}^{31}$
play marbles, $\mathrm{po}^{55} \mathrm{li}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{35}$
play musical instrument, $\min ^{53}$
play on swing, $\left.\mathrm{tc}^{\mathrm{h}} \mathrm{u}\right)^{33}$
play tug-of-war, $\mathrm{a}^{31} \mathrm{x}_{\mathrm{m}} \eta^{55} \mathrm{bumy}^{55} \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ay}^{31}$
play, to, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{i}^{31}$
playground, $\left.a^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ar}^{31} \mathrm{za}^{55} \mathrm{dzan}\right)^{31}$
pledge, guarantee, $\mathrm{po}^{55} \operatorname{tsum}^{35}$ (Ch.)
pliers, $\mathrm{ma}^{33} \mathrm{n} \varepsilon \mathrm{m}^{53}$
plow (field), ts $^{\text {h }}{ }^{33}{ }^{35} \mathrm{o}^{55}$
plow (field), $\mathrm{la}^{31} \mathrm{ma}^{55} \mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{55}$
plow furrow, $\mathrm{d} 7 \mathrm{o}^{55} \mathrm{k}^{\mathrm{lr}}{ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31}$
plow handle, dzo ${ }^{55} \mathrm{k}^{\mathrm{rr}}{ }^{55} \mathrm{k}^{\mathrm{h}} \mathrm{I}^{31}$
plow point, $\mathrm{d} \mathrm{ZO}^{55} \mathrm{k}^{\mathrm{k} \mathrm{I}^{55}}$
plow shaft, $\mathrm{d} \mathrm{zo}^{55} \mathrm{k}^{\text {lr }}{ }^{55} \mathrm{k}^{\mathrm{h}} \mathrm{i}^{31}$
plow share, $\mathrm{ts}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{Po}^{33}$
plow share, dzo ${ }^{55} \mathrm{di}^{55}$
pluck, to, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{n}_{\mathrm{n}} \mathrm{n} \mathrm{u}^{35}$
pluck, to, t ${ }^{\text {h }} \mathrm{u}^{55}$
pluck (flowers), lunnu ${ }^{53}$
pluck the lute, $\min ^{53}$
pluck with fingers, $\left.\mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}\right)^{53}$
pluck; tear; separate, $\mathrm{a}^{31} \mathrm{se}^{55}$
plum, ts ${ }^{55} \mathrm{pi}^{31}{ }^{1} \mathrm{l}^{31}$
plum, $\mathrm{li}^{55} \mathrm{ts}^{55}$
plunder (property), $\mathrm{t}^{\mathrm{h}} \mathrm{in}^{55}$
plural (PL), $\mathrm{mul}^{53}$ (animate and inanimate nouns)
plural ( PL ), $\mathrm{z}_{1}^{31} \mathrm{nu}^{31}$ (restricted to animate nouns)
pocket, burlap, $\mathrm{mi}^{55}$ xul $^{55} \mathrm{k}^{\mathrm{h}} \mathrm{I}^{55}$
pocket, cloth, $\mathrm{cc}^{55} \mathrm{sam}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{l} 1^{55}$
pocket, $\mathrm{k}^{\mathrm{h}} \mathrm{Il}^{55}$
pocket, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{53} \mathrm{du}^{55}$
pocket money, small change, dza ${ }^{31} \mathrm{xa}^{31} \operatorname{lan}^{55} \mathrm{tq}^{\mathrm{h}} \mathrm{En}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{xu}^{3}$ pockmarked person, $\mathrm{ka}^{31} \mathrm{la}^{31} \mathrm{~b} .1^{31} \mathrm{ma}^{55}$
pod (bean), t ${ }^{\mathrm{h}} \mathrm{un}^{31}$
pod, $\mathrm{a}^{31} \mathrm{no}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$
point (finger), to, $\$ 1^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{31}$
point of foot, $\mathrm{n}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{55} \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}$
point, tip, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{55} \varepsilon^{55}$
pointed, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{55} \varepsilon^{55}$
pointed; sharp, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{55}\left(\varepsilon^{55}\right) ; \mathrm{ts}^{\mathrm{h}} \varepsilon^{55} \mathrm{ts}^{\mathrm{h}} \varepsilon^{31}$
pointedness, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{o}^{55}$
poison arrow, $\mathrm{p}^{\mathrm{h}} \mathrm{ur}^{31} \mathrm{la}^{55}\left(\mathrm{so}^{31} \mathrm{mu}{ }^{53}\right)$
poison, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{la}^{55}, \mathrm{pul}^{31} \mathrm{la}^{55}$
poison fish, to, $\mathrm{yuq}^{55} \mathrm{du}^{55}$
poisoned, $\mathrm{vi}^{55}\left(\varepsilon^{31}\right)$
poke, to, $\mathrm{Pa}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{u}^{31}$
poke, to, $\operatorname{cin}^{53}$
pole a boat, punt, $\mathrm{a}^{31} \mathrm{sum}^{31} \mathrm{ian}^{55}$
pole for carrying people, $\mathrm{a}^{31}$ tshan ${ }^{31} \mathrm{a}^{31} \mathrm{gi}^{31} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
pole, carrying, ts ${ }^{\mathrm{h}} 1^{31}$
policeman, di ${ }^{31} \mathrm{~d} 7 \varepsilon \mathrm{~m}^{55} \mathrm{su}^{55}$
polish, to, $\mathrm{Pd}_{\mathrm{i}}{ }^{55} \mathrm{l}^{55} \mathrm{uc}^{55}{ }^{5} \mathrm{in}^{53}$
polish (with whetstone), $\mathrm{la}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}$ (Lisu)
pond, pool, ts $^{\text {h }}{ }^{31}$ dom $^{55}$
pond, pool, nan ${ }^{35}$ t $^{\text {h }} \mathrm{i}^{31} \mathrm{kyy}^{53}$
poor, $\mathrm{di}^{31} \mathrm{ca}^{31}$
poor (land), $\mathrm{m}^{31} \mathrm{am}^{55}$ (not+good)
poor people, $\mathrm{di}^{31} \mathrm{ca}^{31} \mathrm{mu}{ }^{53}$
pop, to, $\mathrm{ba}^{31} \varepsilon^{31} \mathrm{ni}^{33}$
porcupine, $\mathrm{h} \tilde{\varepsilon}^{53} \mathrm{pu}^{33}$
pork, $\mathrm{PO}^{55} \mathrm{ca}^{33}$
porter, $n \varepsilon n^{55} \mathrm{a}^{31} \mathrm{gin}^{55} \mathrm{su}^{55}$
portion, $\mathrm{i}^{31}$ fen ${ }^{55}$
porridge; gruel, $\left(\mathrm{d}_{\mathrm{i}}{ }^{31} \mathrm{Ia}^{35}\right) \mathrm{da}^{31} \mathrm{bum}^{55}{ }^{5} \mathrm{gl}^{55}$
positive, $\mathrm{Ca}^{31} \mathrm{~g} \varepsilon^{55}$, $\mathrm{tci}^{31} \mathrm{tci}^{31}$ (Ch.)
possessive (POSs), $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}, \mathrm{ni}^{55}$
possessive, $\mathrm{ba}^{31}$
possessive particle, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ie}^{55}$
possessive prefix (first person), $\mathrm{a}^{31}$
possessive prefix (second person), $\eta \mathrm{u}^{31}, \mathrm{ni}^{31}, \mathrm{ni}^{55}$
possessive prefix (third person), $\mathrm{h}^{31}$
possible, probable, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{lu}^{55}$
post office, $\mathrm{ium}^{31} \mathrm{tin}^{35} \mathrm{tcqu}^{31}$
post; pillar, $\mathrm{ba}^{33} \mathrm{za}^{33} \mathrm{mu}^{31}$
post; pillar; house, $\mathrm{t}^{\mathrm{h}} \mathrm{u}^{31}{ }^{3} \mathrm{Iun}^{55}$
posters, notices, dzam ${ }^{55}$
pot soot, $\mathrm{ni}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{ay}^{31}$
pot, aluminum, $1 \varepsilon^{35} \mathrm{~d} \not \mathrm{qa}^{33} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{55}$
pot, clay, $\mathrm{d}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{ut}^{55}$
pot, copper, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{mu}{ }^{55}$
pot, flower, $\epsilon u \eta^{55} v \varepsilon n^{55} \mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
pot, flower, $\epsilon^{w^{55}}{ }^{5 \varepsilon} \mathrm{ven}^{55} \mathrm{be}^{31}$
pot, iron, ca $^{31} \mathrm{k}^{\mathrm{h}} \tilde{\varepsilon}^{55} \mathrm{~d} 7 \mathrm{a}^{33} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{55}$
pot; wok, $\mathrm{d} \mathrm{ma}^{33} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{55}$
pot, $\mathrm{va}^{55}$
potato, $h \varepsilon^{31}$ g.ii $^{35}$
potato, sweet; red potato, $\mathrm{a}^{55} \mathrm{mur}^{33}$ (Lisu)
poultry, dem ${ }^{31} \mathrm{u}^{31} \mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{su}^{55}$
pound to pieces (garlic), $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{o}^{55}$
pound (millet), $\mathrm{du}^{53}, \mathrm{du}^{55}$
pound (using pestle), $\mathrm{du}^{55} \mathrm{u}^{31}$
pound (using pestle), $\mathrm{d}_{\mathrm{p}} \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{ar}^{31}$
pound, tap, yum ${ }^{55}$
pound, thump (earth), $\mathrm{du}^{55} \mathrm{u}^{31}$
pound, to, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{35}\left(\mathrm{u}^{31}\right)$
pour (e.g. into bottle), $s^{5} m^{53}$, ts $^{\mathrm{h}} \mathrm{u} \eta^{55}$ (pour down)
pour or throw out (water), $\left.\mathrm{bo}^{55} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{u}\right)^{53}$
pour tea, $\mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{fug}^{53}$
pour, to, ts ${ }^{\text {h }}{ }^{1}{ }^{55}$
pout the lips, $\mathrm{ni}^{55} \mathrm{bu}^{31} \mathrm{~d} 7 \mathrm{u}^{55} \mathrm{~d} 7 \mathrm{u}^{31} \mathrm{uq}^{31}$
powder (face), $3 \mathrm{uq}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31}$ (Burmese)
powder the face, $\mathrm{ma}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{a}^{31} \mathrm{ma}^{55}$
powdered medicine, $6 س)^{55} \mathrm{k}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{n}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31}$
powdered thread, $\mathrm{mu}^{55} \mathrm{na}^{31} \mathrm{bun}{ }^{55}$
practice prostitution, $\mathrm{la}^{31} \mathrm{bi}^{55} \mathrm{n} \varepsilon \mathrm{m}^{55}$
practice, to, $\mathrm{tt}^{\mathrm{h}} \varepsilon \mathrm{n}^{31} \mathrm{~S} 1^{55}$
precipice, overhanging cliff, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55}$
pregnant, be, $\eta^{31} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{\varepsilon n}^{31} \mathrm{no}^{55} \mathrm{za}^{55}$
pregnant, be, $\mathrm{zu}^{31} \mathrm{gu}^{31} \mathrm{~Pa}^{31} \mathrm{l}^{55}$
pregnant, be, $\mathrm{r}^{31} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31} \mathrm{z}^{55} \mathrm{u}^{31}$
pregnant, be, $\mathrm{vi}^{55} \mathrm{ka}^{31}$
pregnant, be, $\mathrm{z}^{31} \mathrm{gu}^{31} \mathrm{a}^{31} \mathrm{a}^{55} \mathrm{~d} \not \varepsilon^{35}$ (advanced pregnancy)
premature birth, $s^{31} 1 d^{55} \mathrm{~m}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{m}^{31} \mathrm{di}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{31}$
prepare, to, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{sam}^{55} \mathrm{~s}^{31}$
prepare, get ready to, $\mathrm{ba}^{31} \mathrm{ua}^{55}, \mathrm{a}^{31} \mathrm{sun}^{31}$
prepare, get ready, $\mathrm{di}^{31} \mathrm{da}^{31} \mathrm{mo}^{31}$, $\mathrm{dza}^{31} \mathrm{gux}^{31}$ (Lisu)
prescribe medicine, $n \varepsilon^{55} \mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{dzil}{ }^{55} \mathrm{u}^{31}$
present a glass of wine, $n \mathrm{mu}^{31} \mathrm{dzu}^{31}$
press (with finger), $\mathrm{a}^{31} \mathrm{~d}_{\mathrm{a}} \mathrm{a}^{31} \mathrm{u}^{31}$
press down, $\mathrm{pa}^{31} \mathrm{dza}{ }^{31} \mathrm{u} ; \mathrm{Pa}^{31} \mathrm{dza}^{31} \mathrm{u}^{31}$
press flat, $\mathrm{Ra}^{31} \mathrm{~d} \not \mathrm{a}^{31} \mathrm{u}^{31} \mathrm{li}^{31} \mathrm{t}^{\mathrm{h}} \varepsilon^{55} \mathrm{na}^{55}{ }^{5} \mathrm{t}^{\mathrm{h}} \varepsilon^{55}$
press clothing, $\mathrm{a}^{31} \mathrm{ni}^{33} \mathrm{ci}^{31} \mathrm{lim}^{33}$
press, $a^{31} d 7 a^{33}$, dzim ${ }^{33}$
pretend, $n_{i m}{ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{in}^{55} \mathrm{~S} \mathrm{I}^{31}$
prevent, proscibe, $\mathrm{k}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{u}^{31}$
previous, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{san}^{31}$
previously, $\mathrm{ma}^{55} \mathrm{su}^{33} \mathrm{uq}^{33} \mathrm{su}^{55}$
preying mantis, nem ${ }^{31} n_{n} \eta^{55}$
price drop, $\mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{a}^{31} \mathrm{~d} \mathrm{ga}^{35}$
price rise, $\mathrm{di}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
price, $\mathrm{r}^{31} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{35}, \mathrm{n}^{31} \mathrm{di}^{31} \mathrm{pu}^{35}$
prices (to drop of), $\mathrm{di}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{dan}^{55}$
prick, stab, $\mathrm{ia}^{55} \mathrm{nu}^{33} \mathrm{ca}^{55} \mathrm{yu}^{33}, \mathrm{tc}^{\text {h }} \mathrm{i}^{33}$
prick, to, $6 \mathrm{a}^{55} \mathrm{yv}^{31} ; \mathrm{ia}^{55} \mathrm{yy}^{33}$
prickly ash, dzi ${ }^{53}$ dzum ${ }^{55}$
printed cotton, $\subset$ un ${ }^{55} \mathrm{ven}^{55} \mathrm{ma}^{55} \mathrm{xul}^{55}$
prisoner, tsu ${ }^{55}$ dzu ${ }^{31}$ su $^{55}$ (Lisu)
prisoner, $\mathrm{a}^{31} \mathrm{ze}^{31} \mathrm{mur}^{55}$
probably, most likely, $\mathrm{bam}^{55} \mathrm{nu}^{31}$
probably, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{lu} \mathrm{i}^{55}$
probe, $\mathrm{di}^{33} \mathrm{dzan}^{55}$
problem, question, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31}$
procure abortion, $\mathrm{y}^{31} \mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{n}^{31} \operatorname{san}^{53}$
produce, to, $\mathrm{t}^{\mathrm{h}} \mathrm{o}^{55}$
profitless business, $\mathrm{o}^{31} 1 \mathrm{a}^{55} \mathrm{ua}^{55} \mathrm{~m}^{31} 1 \varepsilon^{31}$
progressive aspect, $\varepsilon^{55}$
promise, consent, $\mathrm{Pa}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{d} \mathrm{y}^{31}$
promise, to, $\mathrm{na}^{33} \mathrm{li}^{55} \mathrm{ve}^{55}$
prop up, stretch out, $\mathrm{p}^{\mathrm{h}} \mathrm{n}^{53}$
prop up; support, dzom ${ }^{31}$
prop up; support, $\mathrm{di}^{31} \mathrm{ban}^{53} \mathrm{u}$
propagate, cye $^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{u} \tilde{a}^{31}$
propagate, disseminate, $\operatorname{cy\varepsilon }^{55} \operatorname{ts}^{\mathrm{h}} \mathrm{ua}{ }^{31}$ (Ch.)
propagate, dzan ${ }^{55}$
prosperous business, $\mathrm{o}^{31} \mathrm{ld}^{55} \mathrm{ua}^{55} \mid \varepsilon^{31}$
prostitute, $n \varepsilon \mathrm{~m}^{55} \mathrm{su}^{55}$
prostrate, to, $\mathrm{ma}^{55} \mathrm{Sl}^{31}$
prostrate, to, $\mathrm{di}^{31} \mathrm{~d}_{7} \varepsilon \mathrm{~m}^{31} \mathrm{li}^{31} \mathrm{vam}^{53}$
prostrate oneself, $1 \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{ur}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{~S} \mathrm{~S}^{55}$
protect, safeguard, $a^{31} d z^{33} u^{31} ; p^{\text {h }} \mathrm{a}^{31} d \mathrm{q}^{31} \mathrm{u}^{31}$
protruding, dzu $^{33}$ dzum $^{55}$
proud; boast, flaunt, $\mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ar}^{31} \mathrm{se}^{55}$
province, sul ${ }^{53}>$ sü $^{53}$ (Ch.)
province, $s \tilde{a}^{53}$
prow of boat, $\mathrm{a}^{31} \mathrm{su}^{31} \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{up}^{55}$
pry open, $\mathrm{ba}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{u}^{31}, \mathrm{go}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{35}, \mathrm{ga}^{31}$
pubic hair, $\mathrm{sum}^{55} \mathrm{may}^{55}$
public bath house, $z l^{31} \mathrm{gul}^{31} \mathrm{~d} \not \mathrm{z}^{2} \mathrm{n}^{55} \mathrm{za}^{55}$
puddle (of mud), $\mathrm{t}^{\mathrm{h}} \mathrm{om}^{31}$
puffy and soft, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{um}^{55}$
pull down (house), t $^{\mathrm{h}} \mathrm{im}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{53}$
pull (drawer), san ${ }^{31}$
pull each other, $\mathrm{a}^{31} \operatorname{san}^{33}, \varphi^{31} \mathrm{na}^{31}$
pull grass; weed, $\mathrm{k}^{\mathrm{h}} \tilde{\mathrm{e}}^{31} \mathrm{u}^{31}, \mathrm{in}^{53}$
pull out rotten ones, $\mathrm{sa}^{55} \mathrm{nu}^{31}$
pull out, stretch, $\mathrm{ba}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{53} \mathrm{u}^{31}$
pull (quilt) over, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{mo}^{55} \mathrm{ua}^{33} \mathrm{~S}^{31}$
pull out, $\mathrm{k}^{\mathrm{h}} \varepsilon^{31} \tilde{\mathrm{u}}^{31}$
pull (string, lever), $n \varepsilon^{31} \mathrm{u}^{31}$
pull tendon; cramp, $\mathrm{du}^{31} \mathrm{gu}^{31} \mathrm{a}^{31} \mathrm{du}^{31} \mathrm{gun}^{55}$
pull up (weeds), $\mathrm{k}^{\mathrm{h}} \tilde{\varepsilon}^{31} \mathrm{u}^{31}$
pull, drag, $\operatorname{san}^{31} u^{31}$
pulse, beat, $\mathrm{ni}^{31} \mathrm{zom}^{31} \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ar}^{31}$
pumpkin; cushaw, $\mathrm{a}^{31} \mathrm{gun}^{55} /^{53}$
punch a hole, perforate, $? \eta^{31} \mathrm{k}^{\mathrm{h}} \mathrm{ua} \mathrm{\eta}^{31} \mathrm{iu}^{53} \mathrm{u}^{31}$
puncture, $\mathrm{k}^{\mathrm{h}} \mathrm{uan}{ }^{31}$
punish, $\mathrm{fa}^{31}$
punish, du ${ }^{31}$ ban $^{31}$
punt pole, $\mathrm{a}^{31} \mathrm{sum}^{31} \mathrm{ian}^{55} \mathrm{u}^{55} \mathrm{~d}_{\mathrm{d}}{ }^{55}$
punt pole, dzi ${ }^{33} \mathrm{k}^{\mathrm{h}} \mathrm{uy}^{33}$
pupa, $\mathrm{y}^{31} \mathrm{cun}^{55}, \mathrm{Po}^{31}$ cun $^{55}$
pupil (of eye), nin ${ }^{55} \operatorname{lun}^{55}{ }^{51} 6^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
puppy, $\mathrm{d}^{31} \mathrm{gr} 1^{33} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
pure, unsullied, $6 u)^{55} \mathrm{ba}^{55}$
purse lips to show contempt or disapproval, $n i^{55} \mathrm{bu}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{lan}^{31} \mathrm{uq}^{31}$
purslance, greens, $\mathrm{bi}^{31} \mathrm{cul}^{35} \mathrm{di}^{31} \mathrm{mul}^{31} \mathrm{n}^{2} \mathrm{~m}^{31}$
pursue, ssa ${ }^{31} u^{31}$
pursue, chase, $\mathrm{za}^{53}$
pus, $\mathrm{s}^{31}{ }^{31} \mathrm{~d} \not \mathrm{cu}^{31}$
push, $\mathrm{a}^{31} \mathrm{nu}^{55} \mathrm{xua}^{31} \varepsilon^{55}$
push forward, $\mathrm{do}^{31}$
push forward, $\mathrm{ma}^{55} \mathrm{pu}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{do}^{31}$
push; shove; press, do ${ }^{31}$
put (soil) on; patch, clf., $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
put (somewhere), gen ${ }^{55}$
put (somewhere), t ${ }^{\text {h }}{ }^{3} \mathbf{y}^{35}$
put aside, lay up, $g \varepsilon n^{31} \mathrm{u}^{55}$
put away, tidy, $\mathrm{ba}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{53}$
put dead into coffin, $\mathrm{gu}^{31} \mathrm{dun}^{55} \mathrm{sa}^{31} \mathrm{u}^{31}$
put hoop or band around, $\mathrm{d} \varepsilon^{31} \mathrm{k}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{dim}^{55}$
put in order, arrange, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{~g}^{n^{31}}$
put in, $\mathrm{sa}^{31} \mathrm{u}^{31}$
put on (a shawl), $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55}$
put on (a shawl), $\mathrm{uq}^{55}$
put on (clothes), wear, gua ${ }^{31}$
put on airs, $\$ 1^{31} \mathrm{dzu}^{31}$
put on clothesline, lam $^{55}$
put on correctly, $\mathrm{lu}^{35} \mathrm{lu}^{35}$
put on credit, $\left(\mathrm{d}_{\mathrm{q}} \mathrm{a}^{31} \mathrm{ha}^{55}\right) \mathrm{dd}^{2}{ }^{53}$
put on (hat, cap), mo ${ }^{31}{ }^{31} 1^{55}$, Pon $^{55}$
put on (hat) SEE wear (hat)
put on (hat), ?on ${ }^{55}$
put on airs, $\mathrm{s} 1^{31} \mathrm{dzu}^{31}$
put on correctly, straight, $\mathrm{lu}^{35} \mathrm{lu}^{35}$
put one's hand on something for support, $\mathrm{dzum}^{31} \mathrm{~S} \mathrm{~T}^{55}$
put one's hand on something for support, $\mathrm{di}^{31} \mathrm{ban}^{55} \mathrm{~S} 1^{31}$
put something under something, $\varphi^{5^{55}} \eta \varepsilon^{53} u^{31}$
put out (fire) $=$ kill fire, $\operatorname{san}^{53}$
put out (fire), $\mathrm{S}_{1}^{31}$
put out for sale (in an open stall), $\mathrm{o}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{dun}^{55} \mathrm{~S} 1^{31}$
put out to pasture or graze, $a^{31} t c^{h} u y^{31}$
put out to pasture or graze, $\mathrm{s}^{31} \mathrm{ld}^{31} \mathrm{u}^{31}$
put something under, $\left(\operatorname{man}^{55}\right) \operatorname{ci}^{31}{ }^{n} \varepsilon^{31}\left(\tilde{u}^{31}\right)$
put together, $\mathrm{k}^{\mathrm{h}} \mathrm{om}^{31}$
put under armpit, ha ${ }^{55} \mathrm{~d} \not \mathrm{q}_{\mathrm{u}} \mathrm{n}^{35}$
put up, nam ${ }^{33}$
put, cause to, $\mathrm{sl}^{31}-\mathrm{lan}{ }^{35}$
put, place, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{~g} \mathrm{n}^{35}$
put; place, gen ${ }^{31}$
put; place, sau ${ }^{53}$
puttee (leg wrappings), $\mathrm{a}^{31} \mathrm{x}^{35} \mathrm{xuan}^{55}{\mathrm{~d} \varepsilon \mathrm{~m}^{55}}^{55}$
puttee (leg wrappings; leggings), t th $^{\text {h }}{ }^{31} \mathrm{xu}^{35}$
python, Rlan $^{55}$, lan $^{55}$
Qiang, ${ }^{505} \mathrm{ca}^{31} \mathrm{~m}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{55}$
Qiang language, $\mathrm{ma}^{55} \mathrm{ts}^{\mathrm{h}} \varepsilon^{31} \mathrm{t} \widehat{S}^{\mathrm{h}} \mathrm{q}^{55}$ (?)
Qiúrén (Chinese minority), Derung, cf. Dulong, $\mathrm{ma}^{55} \mathrm{ts}^{\mathrm{h}} \varepsilon^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
quack, to, $\mathrm{ka}^{31} \mathrm{ka}^{55} \mathrm{nan}^{55} \varepsilon^{31}$
quality (of things), $\mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{lian}^{35} \mathrm{fa}^{33}$
quarrel, to, $\left(\mathrm{ma}^{55} \mathrm{du}^{31} \mathrm{mi}^{55}\right) \mathrm{a}^{31} \mathrm{san}^{55}$
quench thirst, dzi ${ }^{31} \mathrm{~m}^{55} \mathrm{~d} \not \mathrm{q}^{31} \varepsilon^{33}$
question (Q), $\mathrm{le}^{53}, \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}, \mathrm{~m}^{31}, \mathrm{da}^{53}$
quick, $\mathrm{dza}^{33}$; very quick, $\mathrm{dz}^{31}{ }^{31} \mathrm{dza}^{33}$
quick, fast, $\mathrm{di}^{31} \mathrm{dzan}^{31}$
quickly, dum ${ }^{31}$ dzan $^{31}$
quicksilver, sum ${ }^{55} \mathrm{ium}^{31}$
quietly, stealthily, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55} \mathrm{ua}^{33}$
quilt facing (lining), $s 1^{31} \mathrm{dum}^{31} \mathrm{dum}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{ur}^{55}{\mathrm{~d} \varepsilon \mathrm{~m}^{55}}^{55}$
quilt, $\mathbf{S 1}^{31}$ dur ${ }^{31}$
quiver, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55} \mathrm{da}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{ua} \mathrm{\eta}{ }^{55}, \mathrm{da}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{33} \mathrm{duy}^{55}$
rabbit, hare, $\mathrm{t}^{\mathrm{h}} \mathrm{o}^{33} \mathrm{la}^{55}$ (Lisu)
rabid dog, $\mathrm{d} \varepsilon^{31} \mathrm{~g}_{11}{ }^{55} \mathrm{a}^{31}$ xuan $^{35}$
radish, $\mathrm{la}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{33} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
radish, $\mathrm{la}^{31} \mathrm{bo}^{53}$
reflexive, luy ${ }^{55}, \mathfrak{\eta}^{31} \operatorname{lu\eta }{ }^{55}\left(\mathfrak{\eta}^{31}\right),-\mathfrak{S 1}^{31},-¢ \mathrm{w}^{31}$
raft, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{uq}^{55} \mathrm{a}^{31} \mathrm{sum}^{31}$
rafter, $\mathrm{la}^{31} \mathrm{bu}^{55} \mathrm{xam}^{55} \mathrm{dem}^{55}$
railings, $\left.\mathrm{k}^{\mathrm{h}} \mathrm{am}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{u}\right)^{55}$
railings, $\mathrm{Pa}^{31} \mathrm{vu}^{55} \mathrm{dzom}^{31} \mathrm{~S} 1^{55}$
railings, $\mathrm{dza}^{55} \mathrm{ya}^{31} \mathrm{dza}^{31} \mathrm{xam}^{35}$
railroad, railway, $\varphi a^{31} \mathrm{k}^{\mathrm{h}} \tilde{\varepsilon}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31}$
rain, to, ts ${ }^{\mathrm{h}} 1^{31}$ dzan ${ }^{55}$
rain, to, dza ${ }^{55}$
rain, $\mathrm{ts}^{\mathrm{h}}{ }^{31}$
rain, heavy, $\left.\mathrm{ts}^{\mathrm{h}} \mathrm{q}^{55} \mathrm{dur}\right)^{31}$
rainbow, $\mathrm{mu}^{55} \mathrm{~b}^{35}$ bun ${ }^{55}$
raincoat, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ya}^{35} \mathrm{ga}^{31} \mathrm{mu}^{31}$
raincoat, straw, $\mathrm{p}^{\mathrm{h}} \mathrm{um}^{31}$
raincoat, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ya}^{35} \mathrm{ga}^{31} \mathrm{mu}^{31}$
rain hat (bamboo), $\mathrm{a}^{31} \mathrm{lam}^{31} \mathrm{da}^{31} \mathrm{mo}^{55}$
rainy day, $\mathrm{ts}^{\mathrm{h}}{ }^{31} \mathrm{dzan}^{55} \mathrm{nd}^{33}$
raise (blister), $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{um}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{um}^{55}$
raise (chickens, etc.), di ${ }^{31} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{35}$
raise (children), $\mathrm{tG}^{\mathrm{h}} 1^{31} \mathrm{ma}^{55} \mathrm{di}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{31}$
raise (flag), $\mathrm{ts}^{\mathrm{h}} \varepsilon^{53} \mathrm{ni}^{31}$
raise (head), $\mathrm{ha}^{55} \mathrm{~s}^{31}$
raise hand, $\mathrm{dzu}^{55} \mathrm{~S}^{31}$
raise money, $\mathrm{di}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{31}$
raise (the tail), $\mathrm{Pa}^{31} \mathrm{hã} y^{55}$
raise the warp of the rod, $\mathrm{mu}^{55} \mathrm{dar}^{31}$
raise, lift, dzu ${ }^{55}{ }^{51}{ }^{31}$
raise, to, $\mathrm{a}^{31} \mathrm{gi}^{\varepsilon^{55} \tilde{\mathrm{u}}^{31}}$
rake (fields), $\mathrm{a}^{31} \mathrm{z} / \mathrm{zom}^{31} ; \mathrm{a}^{31} \mathrm{zom}^{31}$
ram (male sheep), $\left.\mathrm{a}^{31} \mathrm{ian}\right)^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
ransom, redeem, $\mathrm{dz} \mathrm{n}^{55} \mathrm{a}^{31} \mathrm{io}^{33}$
rapeseed; canola, $\mathrm{ka}^{31} \mathrm{cam}^{55} \mathrm{iu}^{31} \mathrm{su}^{31}$
rapeseed, $\mathrm{dz} 1^{31} \mathrm{dz}{ }^{31}{ }^{31} \mathrm{ni}^{55} \tilde{\mathrm{u}}^{31}$
rapeseed oil, $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \mathrm{su}^{55}$
rat, bamboo, $\mathrm{k}^{\mathrm{h}} \mathrm{am}^{55} \mathrm{a}^{31} \mathrm{din}^{55}$
rat, mouse, $\mathrm{a}^{31} \mathrm{din}^{55}$
rat, rodent, $\mathrm{Iua}^{53} \mathrm{p}^{31}$
rat, white-tailed, $\mathrm{ba}^{31} \mathrm{din}^{55}$
rat (long-tailed), $\mathrm{gu}^{31} \mathrm{lu}^{55}$
rat (flying), $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{dzi}^{55}$
rat, k. of, $\mathrm{t}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{~d} \mathrm{Fin}^{31} \mathrm{dz} \mathrm{u}^{55}$
rat, k. of, $\mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{rl}^{55}{ }^{55}$
rat, k. of, ts ${ }^{\text {h }} 1^{31}$ dzul ${ }^{31}$
rat, k. of, $\operatorname{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ra}^{55} \mathrm{a}^{31} \mathrm{din}^{55}$
rat, k. of, $\mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{la}^{55}$
rat, k. of, dzal ${ }^{31}$ su $^{31}$
rat, k. of, $\operatorname{tca}^{55} \mathrm{xo}^{55}$
rat, k. of, $\mathrm{bu}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{53}$
rattan bridge, $\mathrm{di}^{31} \mathrm{ba}^{31}$
ravine, pit, mo $^{31}$ gur $^{55} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{dzan}{ }^{55}$
raw (meat), $\varphi^{55} \mathrm{~d}_{7} \mathrm{im}^{55}$
raw; green, $\mathrm{n}^{31} \mathrm{~d}_{\mathrm{c}} \mathrm{im}^{31}$
reach, arrive, $\mathrm{t}^{\mathrm{h}} \mathrm{u}^{31}\left(\mathrm{i}^{53}\right) ; \mathrm{t}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{P} \mathrm{d} z \varepsilon^{35}$
reach (upward), $z_{1} \mathrm{n}^{53}$
read (a book), $\mathrm{s}^{55} \mathrm{va}^{31} \mathrm{va}^{31} \mathrm{~d} \mathrm{qa}^{53} \mathrm{u}^{31}$
read (a newspaper), pau ${ }^{35}$ ts $1^{53} d{ }_{7} q^{43} u^{31}$
read aloud, $s 1^{31} \mathrm{zu}^{31} \mathrm{u}^{31}$
read, to, $\operatorname{sur}^{31} \mathrm{zum}^{31} \mathrm{u}^{31}$
read, to, $\mathrm{tc}^{\mathrm{h}} \mathrm{E}^{31}$
ready, done, $\mathrm{a}^{31} \mathrm{du}^{31} \varepsilon^{33}$
real, tc $^{\text {h }} \mathrm{my}^{55}$
really, certainly, $\mathrm{si}^{31} \mathrm{si}^{31} \mathrm{a}^{53}$
reap, to, san ${ }^{53}$
rear, raise, breed, $\mathrm{di}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{31}$
rebel, revolt, $\mathrm{ts}^{\mathrm{h}} \mathrm{au}^{35} \mathrm{fan}^{53}$ (Ch.)
recede (of water), $\mathrm{ben}^{55}$
recipient markers, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}, \mathrm{ba}^{31}$
reciprocal (REC), $\mathrm{a}^{31}$
receipt issued with sale, $\mathrm{fa}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{iau}^{35}$
receive, $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{53}$
receive, get, $\mathrm{lu}^{31} \mathrm{t}^{\text {h }} \mathrm{am}^{55} \mathrm{u}^{31} ; \mathrm{ya}^{31} \mathrm{kum}^{55}$
receive telephone call, $\mathrm{ti} \mathrm{E}^{55} \mathrm{xuq}^{55} \mathrm{to}^{53}$
recently, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{55}$
recently, i $\varepsilon^{55} \mathrm{~s}^{55} \mathrm{n} \mathrm{ul}^{31}$
reception room, $\mathrm{mu}^{31} \mathrm{n}_{\mathrm{m}} \mathrm{m}^{35} \mathrm{k}^{\mathrm{h}} \mathrm{uan}^{55}$
recipient, $\mathrm{ba}^{31}$
recite lessons from memory, $\mathrm{ST}^{55} \mathrm{va}^{31} \mathrm{pul}^{35} \mathrm{ni}^{33} \mathrm{\gamma o}^{31}$
recite scripture, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ven}^{31}$ gui $^{53}$ (God+discuss)
reckon accounts, sua ${ }^{55}$ tsan $^{55} \mathrm{uq}^{55}$
recognize, so ${ }^{53}$
record, $\mathrm{Pa}^{31} \mathrm{zu}^{55} \mathrm{a}^{31} \mathrm{duy}^{53}$
red (become), red, $\mathrm{tsa}^{35} \mathrm{si}^{55}, \mathrm{bu}^{31} \mathrm{si}^{55}$
red, $\mathrm{si}^{55}, \mathrm{bu}^{31} \mathrm{si}^{55}, \mathrm{tsa}^{35} \mathrm{si}^{55}$
redness, $\mathrm{bu}^{31} \mathrm{si}^{55} \mathrm{u}^{55}$
reduce, to, $?^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{u}^{31}$
red-spotted lizard, $\mathrm{a}^{31} \mathrm{no}^{55} \mathrm{bu}^{31} \mathrm{si}^{31}$
reed, $a^{31}$ sun $^{55}$
refine (steel), $\mathrm{sa}^{31} \mathrm{k}^{\mathrm{h}} \tilde{\mathrm{a}}^{55} \mathrm{di}^{31} \mathrm{~g} .1{ }^{31}$
refine oil, $\mathrm{k}^{\mathrm{h}} \mathrm{an}^{55}$
refuse by making excuses, $i a^{55} y^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{Ra}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}$
regret, $\mathrm{m}^{31} \mathrm{n}_{\mathrm{i}}{ }^{55} \mathrm{~d}_{\mathrm{l}}{ }^{31}$
rein in, $\mathrm{di}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{urn} \mathrm{u}^{53}$
reins, mã ${ }^{31} a^{31}$ xun $^{55}$
relatively, $1 \varepsilon^{55}$ -
relatives, ts $^{\mathrm{h}} 1^{55} \mathrm{zul}^{55}$
relationship, $\mathrm{a}^{31} \mathrm{du}^{55}$
release, set free, $s^{31} \operatorname{lan}^{31} \mathrm{u}^{31}$
remain in, $\mathrm{mi}^{55} \mathrm{ma}^{31}$
remain, $\mathrm{dz}_{\mathrm{g}}{ }^{33}$
remarry (of woman), $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{u}^{55}$

remember $=$ think, $\mathrm{ts}^{\mathrm{h}} \mathrm{om}^{55} /^{53}$
remember or record, $\mathrm{Rgam}^{55}$
remember, ts ${ }^{\text {h }} \mathrm{om}^{55} \mathrm{a}^{31} \mathrm{nia}^{55}$
remind, $s \varepsilon^{31}$ Pu1 ${ }^{55}$
remove (feathers), bin $^{53}$
remove; pull out, $\mathrm{k}^{\mathrm{h}} I \varepsilon^{31} \tilde{\mathrm{u}}^{31}$
rent (for room/house), $\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{35}$
rent field, $\mathrm{la}^{31} \mathrm{ma}^{55} \mathrm{ra}^{31} \mathrm{a}^{55}$
rent field, $\mathrm{po}^{53} \mathrm{u}^{31}$
repair, to, $\mathrm{io}^{55} \mathrm{mun}^{31}$
repair, manufacture, $\mathrm{zo}^{31} \mathrm{mun}^{31}$
repay (debt), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{liu}{ }^{31} \mathrm{cf}$. 'retaliate'
repeat, dzo ${ }^{35} \mathrm{~d} 7 \mathrm{o}^{33}$
repeatedly; again and again, $\eta^{31} d z a y^{31} \mathrm{~m}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{55}$
rescue, save (somebody), $\mathrm{tcu} \mathrm{u}^{35}$ (Ch.), $\mathrm{Sl}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{nu}^{55}$
resemble, $\mathrm{t}_{6}^{\mathrm{h}} \varepsilon^{33}$
resin, rosin, $\mathrm{S}_{1}^{31} \mathrm{Ju}^{33} \mathrm{ts}^{\mathrm{h}}{ }^{31}{ }^{31}$
respect, to, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{w}^{33} \mathrm{w}^{55}$
respond verbally, $\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{a}^{31} \mathrm{ni}^{33}$
rest, $\mathrm{di}^{31} \mathrm{ga}^{55}, \mathrm{di}^{31} \mathrm{ya}^{55}, \mathrm{dux}^{31} \mathrm{ga}^{55}$
restaurant, buu ${ }^{55} \mathrm{dza}{ }^{31} \mathrm{\varepsilon m}^{31} \mathrm{za}^{55}$
restrict diet, $\mathrm{S}_{1}^{31} \mathrm{dav}^{31} \mathrm{~S} 1^{55}$
resumative ('She has recoverd and is eating.'), d $\not \subset \varepsilon^{35}$
retaliate, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{li}^{31} \mathrm{u}^{31} \mathrm{cf}$. 'repay'
retreat (military), $\left.\mathrm{Pi}^{55} \mathrm{I} / \mathrm{zan}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{53} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}\right)^{55}$
retreat; move back, $\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{55} ; \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{uv}^{33} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{31}$
return, go back, lo ${ }^{55}$
return (home), $\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55}$
return (money), repay debt, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{i}^{31}$
return (a pen), $\mathrm{Ra}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{al}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{31}$
return a visit, $\eta^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{gu}^{31} \mathrm{~d}_{\mathrm{a}} \mathrm{a}^{55} \mathrm{u}^{31}$
return animals to the pen, $\mathrm{p}^{\mathrm{h}} \mathrm{am}^{55}$
return to laity, $\mathrm{a}^{31} \mathrm{lam}^{31} \mathrm{ban}^{55} \mathrm{su}^{55}$
return (things), $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{31}$ (give back)
return, cause to, $2 \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{aq}^{55} \mathrm{bu}^{55}$
reveal, to, lan ${ }^{53}$
reverse side, $n a^{31} t^{h} u \eta^{55} k^{h} \mathrm{a}^{53}$
reverse; wrong side; opposite, $\mathrm{Pi}^{55} \mathrm{ian}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
revive, bring back to life, $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}{ }^{55}$
revolve, gyrate, $\mathrm{xua}^{31} \mathrm{u}^{55}$
revolution, $\mathrm{k} \varepsilon^{31} \min ^{35}$
reward, to, t $\mathrm{tcan}^{55} \mathrm{li}^{55}$
reward, to, bu ${ }^{31} \mathrm{~s}_{\mathrm{q}} \mathrm{n}^{33} \mathrm{dzq} \mathrm{u}^{53}$
rhetorical question ( RQ ), $\mathrm{da}^{53}, \mathrm{lan}^{31}$
rhizome of Chinese gold thread, $m \varepsilon n^{55}$
rib, $\mathrm{d} \varepsilon \mathrm{m}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$
rice (large), $\mathrm{bu}^{55} \mathrm{dza}^{31} \mathrm{si}^{55}$
rice (uncooked), d $\mathrm{zi}^{31}$ ?
rice crust (in pot), dza ${ }^{31}$ xin $^{55}$
rice ladle, $\min ^{55} \mathrm{~d} 7 \mathrm{im}^{31}$
rice pestle, $\mathrm{sa}^{55} \mathrm{~b} . \mathrm{i}^{31} ; \mathrm{sa}^{33} \mathrm{~b} \cdot 1^{3}$
rice plant, paddy, dzi ${ }^{31} \mathrm{ia}^{33} \mathrm{so}^{55}$
rice pounder, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{a} \eta^{31}$
rice shoots, $\mathrm{li}^{55} \mathrm{dza}^{53}$
rice straw, $\mathrm{Za}^{31} \mathrm{ia}^{33} 1 \tilde{a}^{55}$
rice thread, $\mathrm{d} \mathrm{zi}^{31} \mathrm{Ja}^{31} \mathrm{ua}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31}$
rice to bloom, cuin ${ }^{55} \mathrm{ven}^{55} \mathrm{ven}{ }^{55}$
rice water; gruel, da $a^{31} b u m^{55} t s^{h} 1^{31}$
rice, cold, $\mathrm{a}^{31} \mathrm{~g} \mathrm{I}^{55} \operatorname{cin}^{55}$
rice, cooked, $\mathrm{a}^{31} \mathrm{~g} I 1^{55} \mathrm{sa}^{55}$
rice, cooked, bu ${ }^{55}$ dza ${ }^{31}$
rice, cooked, dzi ${ }^{31} \mathrm{Ja}^{55} \mathrm{~g} \mathrm{II}{ }^{55}$
rice, cooked, $\mathrm{ga}^{55} \mathrm{Sa}^{55}$
rice, polished blutinous, mu ${ }^{33}$ nan $^{31}$
rice, sweet, $?^{31} \mathrm{mu}^{55} \mathrm{ka}^{55} \mathrm{num}^{31}$
rice, white, $\mathrm{dzq}{ }^{31} \mathrm{za}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$
rice; food, bu ${ }^{55} \mathrm{dza} \mathrm{a}^{31}$
rice; millet, dzal ${ }^{31} \mathrm{za}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$ (rice), bu ${ }^{55} \mathrm{~d} \not \mathrm{qa}^{31} \mathrm{si}^{53}$ (grain)
rich, $\mathrm{m}^{31} \mathrm{gam}^{31}, \mathrm{mu}^{31} \mathrm{gam}^{31}$
rich, person, $m w^{31} \operatorname{gam}^{31} a^{31} t s^{h} \mathrm{an}^{31}$
rich; wealthy, dza $\mathrm{a}^{31} \mathrm{xu}^{31} \mathrm{a}^{31} \mathrm{da}^{55}$
riddle, $a^{55} \mathrm{di}^{31} \mathrm{dzan}^{31}$
ride (horse), dum ${ }^{31} \mathrm{dzu}^{31}, \mathrm{~S}^{55}$ (cause)
ride a sedan chair, $a^{31} \operatorname{gin}^{55} \mathrm{dem}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{53} \mathrm{n}_{0} \mathrm{o}^{55}$
ride in a car, $\mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{th}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{n}_{2} \mathrm{o}^{33}$
ridge of building, $\mathrm{a}^{31} \mathrm{dz} \mathrm{zl}^{31} \mathrm{z} 1^{55}$ gun $^{31}$
ridge of nose, $\mathrm{s}^{31} \mathrm{na}^{55} \mathrm{gun}^{31}$

rifle butt, dzo ${ }^{55} \mathrm{k}^{\mathrm{h}} \tilde{\mathrm{a}}^{33}$ gun ${ }^{31}$
rifle, $\mathrm{pu}^{33} \mathrm{tc}^{\mathrm{h}} \mathrm{an}^{55}$ (Ch.)
right hand seat, $k^{h} a^{31} p^{h} q^{33} k^{h} a^{55}$
right hand, $a^{31} v u^{35} d z a \eta^{55} b u^{55} \mathrm{n}_{2} u^{31}$
right; obverve side, $m a^{55} \mathrm{Su}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
right; obverse side, $\mathrm{i}^{55} \mathrm{dun}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{53}$
right side, dzan ${ }^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}, l \varepsilon^{31} \mathrm{i} \varepsilon^{55}$ (Lisu)
right, privilege, $\mathrm{dzi}^{55} \mathrm{ua}^{31}$ (Lisu)
right away, gu ${ }^{33}$
ring for finger, $\mathrm{ni}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{55} \mathrm{gaI}{ }^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
ring for finger, $\left.n \mathrm{i}^{31} \mathrm{tc}^{\mathrm{h}} u\right)^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
rinse, flush, ${P a^{31} t^{h} a^{31}}^{\text {a }}$
rinse (mouth), $\mathrm{Pa}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{O}^{31} \mathrm{~S}^{35}$
rinse (mouth), $m a^{55} \mathrm{dun}^{31} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{lo}^{31} \mathrm{o}^{31}$
rip, tear (paper), sáa ${ }^{53} u^{31}, z_{\tilde{a}^{53}} u^{31}$
ripe; cooked, sum ${ }^{55} \mathrm{bu}^{31}$
ripe, mature; cooked, $\operatorname{nin}^{31}$
rise (sun), to, $n \varepsilon m^{31} \mathrm{ts}^{\mathrm{h}} \varepsilon^{53} \varepsilon^{31} \mathrm{ni}^{33}$
rise (of waves), $\mathrm{d}_{\mathrm{y}}{ }^{31} \mathrm{k}^{\mathrm{h}} \mathrm{U}^{55} \mathrm{li}^{53} \varepsilon^{31} ; \mathrm{nda}^{33}$
rise, expand, swell, dzl ${ }^{31}$
rise (water), buin ${ }^{31} \mathrm{a}^{31} \mathrm{ni}^{55}$
river (big), $\mathrm{tc}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{nua}^{31}$ dur $^{31}$
river (little), $\mathrm{tc}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{yua}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{En}^{31}$
river deer, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{la}^{55}$
river, $\mathrm{tc}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{ruq}^{31}, \mathrm{tc}^{\mathrm{h}} \mathrm{um}^{31} \mathrm{mum}^{31}$
rob; plunder, $\mathrm{t}^{\mathrm{h}} \mathrm{in}^{53} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{55} ; \mathrm{t}^{\mathrm{h}} \mathrm{in}^{53}$
road, macadam (for vehicles), $\mathrm{mo}^{55} \mathrm{do}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{Ia}^{31}$
road, path, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{Ia}^{31}>\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31}$
road (for horses), ${6 i^{55}} \mathrm{i}^{31} \mathrm{li}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31}$
roar (as lion), $a^{31} \mathrm{k}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{n}_{2} \mathrm{q}^{53}$
roast in sun, tam ${ }^{53}$, $\operatorname{lam}^{35}$
roast, to, $\operatorname{tim}^{55} \mathrm{~S}^{31}$
roast, to, $\mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{55}$
robber, $\mathrm{n} \varepsilon \mathrm{n}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{31} \mathrm{su}^{55}$
robe, long gown, $\mathrm{da}^{31} \mathrm{Pun}^{55} \mathrm{ga}^{31} \mathrm{mux}^{31} \mathrm{dun}^{31}$
rock bee, $\mathrm{a}^{31} \mathrm{ia}^{55}$
rock cave, lun ${ }^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u} \tilde{a}^{31}$ (rock+hole)
rock cave, $\mathrm{z} 1^{31} \mathrm{Pun}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u} \tilde{a}^{31}$
rock pile, luy ${ }^{55} \mathrm{di}^{31} \mathrm{gum}^{55}$
rock sugar, $\operatorname{pin}^{55} t^{h} \tilde{a}^{31}$
rock, lun ${ }^{55}$ dun ${ }^{31}$
rock, sway, $\mathrm{a}^{31} \mathrm{n}_{\nu} \varepsilon \mathrm{m}^{55} ; \mathrm{Pa}^{31} \mathrm{n}_{\mathrm{n}} \varepsilon \mathrm{m}^{35}\left(\mathrm{~S} 1^{31}\right)$
rod, $\mathrm{xam}^{33} \mathrm{da}^{33}, \mathrm{~S}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} /{ }^{35}$
rodent, k. of, bui ${ }^{31}$ th $^{\mathrm{h}} \mathrm{i}^{53}$
roll (cloth), clf., don ${ }^{55} /$ dun $^{55}$
roll about, $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{35} \mathrm{lo}^{33}$
roll about, $\mathrm{t}^{\mathrm{h}} \mathrm{an}^{33} \mathrm{~S} 1^{31}$
roll down, dislodge, $\mathrm{pu}^{55} \tan ^{55} \mathrm{nu}^{31}, \mathrm{a}^{31} \tan ^{55} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{lo}^{53}$ (Lisu), $\mathrm{t}^{\mathrm{h}} \mathrm{an}^{33} \mathrm{se}^{33}$
roll up (cloth), $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \lim ^{35} ; \lim ^{35}$
roll up (sleeves), $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \lim ^{31} \mathrm{~S}^{31}$
roll, to, $\mathrm{a}^{31} \tan ^{55} ; \mathrm{t}^{\mathrm{h}} \mathrm{an}^{53} ; \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55}$ 'roll into a ball with the hands'
roll, to, $\mathrm{a}^{31} \tan ^{55} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} 1 \mathrm{o}^{53}$
roll, to, $\operatorname{gin}^{31} \mathrm{u}^{31}$
roll, to, $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{lo}^{53} \mathrm{le}^{55}$
roll, to, pur ${ }^{55} \tan ^{55} \mathrm{nu}^{31}$
rolled buckwheat, $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{uq}^{55} \mathrm{sux}^{31} \mathrm{lum}^{31}$
roof beam, $\mathrm{la}^{31} \mathrm{bu}^{55} \mathrm{gu}^{31}$
roof, $\left.\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}\right)^{55}$
roof, to, dzim ${ }^{55}$
room (of house), $\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u} \tilde{a}^{55}, \mathrm{k}^{\mathrm{h}} \mathrm{uan}^{55}$
room or hotel, rent, $\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{35}$
room, inner, $n a^{55} \mathrm{ba}^{31}$ duy ${ }^{55} \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{55}$
room, living, t $\left.^{\text {h }} \mathrm{im}^{31} \mathrm{dur}\right)^{31}$
room, outer, $\mathrm{Pe}^{55} \mathrm{ba}^{31}$ duy ${ }^{55} \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{55}$
rooster, $\mathrm{d}^{31} \mathrm{gu}^{35}$
root, bamboo, $\mathrm{k}^{\mathrm{h}} \mathrm{dm}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{Un}^{55}$
root, cuin $^{55} \mathrm{Ium}^{33}$, guy ${ }^{31}$
root, to, $\mathrm{ts}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{o}^{55}$
root, tuber, $\mathrm{ia}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{um}^{55}$
rope bridge support, $\mathrm{a}^{31} \mathrm{v}, \eta^{55}$
rope cable connection, $\mathrm{lo}^{33} \mathrm{dza}^{35}$
rope ladder, $a^{31}$ xum ${ }^{55}$
rope, string, $\mathrm{a}^{31} \mathrm{xum}^{55}$
rope; clf. for three dimensional thin flexible things, buin ${ }^{33}$
rosin, $\$ 1^{31} \cdot \mathrm{un}^{33} \mathrm{ts}{ }^{\mathrm{h}} 1^{31}$ (Lisu)
rot, cause to, $\mathrm{si}^{31} \mathrm{bumm}^{31}$
rot, to, $\mathrm{y}^{31} \mathrm{bum}^{55}$; bum ${ }^{31}$
rotten, mushy (watermelon), $\mathrm{r}^{31} \mathrm{bumm}^{55}$
rough (road), $\mathrm{dz}^{55} \mathrm{di}^{31}{ }^{3} \mathrm{a}^{55}$
rough horse play at wedding, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{i}^{33} \mathrm{kwn}{ }^{55}$
round root, $i \varepsilon^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
round, $\mathrm{li}^{55} \mathrm{gi}^{31} \mathrm{Ii}^{33}$
roundworm; ascarid, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{buw}^{31} \mathrm{Iol}^{31}$
rout or dig with snout (pig), $\mathrm{on}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{o}^{33} \mathrm{o}^{55}$
row (a boat), ( $\mathrm{a}^{31} \mathrm{sul}^{31}$ ) $\mathrm{zam}^{55} /^{53}$, $\mathrm{zam}^{55}$
row (of houses), $\left(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}\right) \mathrm{d} \mathrm{hw}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{31}$
row call, bury ${ }^{31}$ guy ${ }^{53}$
row, to, $\mathrm{a}^{31} \mathrm{su}^{31} \mathrm{a}^{31} \mathrm{v.i} \mathrm{i}^{55}$
rub in, $\mathrm{Ci}^{55}$ nu $\eta^{31}$
rub, $\mathrm{a}^{31} \mathrm{n} \varepsilon^{35}$
rub; massage, $\mathrm{a}^{31} \mathrm{na}^{31} \tilde{\mathrm{u}}^{3}$
rub, to, $\operatorname{cin}^{55} \mathrm{u}^{31}$
rub, to, $\mathrm{a}^{31} \mathrm{xan}^{31} \mathrm{u}^{33}$
rub; wipe; scrape, cin $^{31}$
rub repeatedly with hands, $\mathrm{num}^{55} \mathrm{yu}^{31} \mathrm{n}_{\mathrm{ow}}{ }^{55} \mathrm{yu}^{31} ; \mathrm{num}^{55} \mathrm{u}^{31}$
rub (skin), $\mathrm{p}^{\mathrm{h}} \varepsilon^{31} n \varepsilon^{31} n u^{31}$
rubbarb, $\mathrm{ta}^{55} \mathrm{xuan}^{31}$ (Ch.)
rubber, nu $\underline{u}^{31} \mathrm{du}^{55}$
rubbing board for washing clothes, $\varphi^{\prime} \mathrm{a}^{55} \mathrm{~s}^{\prime} \mathrm{am}^{31} \mathrm{a}^{31} \mathrm{nay}^{31} \mathrm{u}$
rudder, $\mathrm{s}_{1}^{55} \mathrm{lan}{ }^{31}$
ruin, waste, $\mathrm{s}^{31} \mathrm{man}^{55}$
ruin (clothes), gan ${ }^{55} \mathrm{Pd} \not \varepsilon^{35}$
ruler, $\mathrm{a}^{31} \operatorname{lin}^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
rules, customs, $\mathrm{y}^{31} \mathrm{i} \tilde{\mathrm{a}}^{33}$, $\mathrm{kue}^{55} \mathrm{t}$ ¢y $\mathrm{y}^{33} /{ }^{31}$ (Ch.)
ruminate, $n \mathrm{a}^{31} \varepsilon^{33} ; \mathrm{in}_{\mathrm{n}} \mathrm{a}^{31}\left(\varepsilon^{31}\right)$
ruminate, $a^{31} t^{h} a^{33}$
rummage, to, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{53} \mathrm{u}^{31}$
run, to, $\mathrm{ba}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31}$
run against, $\mathrm{a}^{31}$ yom ${ }^{55}$
run down, shabby, $\mathrm{y}^{31} \mathrm{mã}^{55}$
run (as color runs), $\epsilon^{\prime} \mathrm{a}^{31} \mathrm{v} \varepsilon^{55}$
run (fast), jump, $a^{31} \mathrm{ts}^{h} \mathrm{an}^{31}$
run away, flee, $i \varepsilon n^{55}$ Pdz $\varepsilon^{35}$
rush on, ha ${ }^{55} \mathrm{dza}^{31}$
rust, $\mathrm{dza}^{31} \mathrm{dza}^{31}$
rust, to, $\mathrm{d}_{\mathrm{p}} \mathrm{i}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{u}^{31}$
sack, bag, sa ${ }^{31} \mathrm{u}^{31}$
sackcloth; burlap, $\mathrm{d} \mathrm{zi}^{31} \mathrm{~d} z \mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{33}$
sacrifice (to spirits), $\left(\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{i} \tilde{\mathrm{a}}^{33}\right) \mathrm{m}^{31} \mathrm{gu}^{31}$
sacrifice, $\mathrm{m}^{31} \mathrm{gu}^{31}$ (Lisu), $\mathrm{di}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{wu}^{35}$
sad, worried, $\mathrm{p}^{\mathrm{h}} \mathrm{I}^{31} \varphi \mathrm{a}^{31} \mathrm{a}^{33}$
saddle, $\mathrm{man}^{31}$ nen ${ }^{33}$
salary, $\gamma^{55} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \underline{\mathrm{u}}^{35}$
saliva, $\mathrm{ts}^{\mathrm{h}} \mathrm{n}^{5}{ }^{55}$
saliva (clear), $\left.\mathrm{t}^{\mathrm{h}} \mathrm{in}^{55} \mathrm{a}^{31} \mathrm{iun}\right)^{31}$
salt, $\mathrm{s}^{31} \mathrm{lan}^{55}$
salted egg, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \lim ^{31} \mathrm{~m}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{om}^{55}$
salted fish, nua ${ }^{55} \mathrm{~m}^{31} \mathrm{th}^{\mathrm{h}} \mathrm{om}^{55}$
salty, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{33}\left(\mathrm{kumm}^{31}\right)$
salute, to, $\mathrm{t}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{~S} 1^{31}$
same, $\mathrm{a}^{31} \mathrm{du}^{55} \varepsilon^{31}$
same, not the, $\mathrm{ma}^{31} \mathrm{du}^{55}$
sand, $a^{31} t^{\mathrm{h}} 1^{55}$
sandy beach, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{55} \mathrm{~d} \not \mathrm{zun}^{31}$
sandals, straw, $\mathrm{sl}^{55} \mathrm{pi}^{55} \mathrm{ts}^{\mathrm{h}}{ }^{33} \mathrm{ni}^{33}$ (Lisu)
sap, cuin ${ }^{55}$ t $_{6} \mathrm{a}^{31} \mathrm{na}^{55} \operatorname{lan}^{53} \mathrm{u}^{31}$
sarcastically, ironically, $\mathrm{ma}^{31} \mathrm{ma}^{31}$
satin, $\mathrm{bu}^{31} \mathrm{ga}^{31} \mathrm{mul}^{31}$
satisfied, be, $\mathrm{S}_{1}^{31} \mathrm{na}^{33} \mathrm{cun}^{55} \varepsilon^{31}$
satisfy (conditions), $\mathrm{Ra}^{31} \mathrm{du}^{31} \mathrm{a}^{31} \mathrm{ni}^{33}$
saucer of lamp, $m \varepsilon^{31} \mathrm{iu}^{31} \mathrm{v}^{35} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
sausage, $\mathrm{ca}^{33} \mathrm{p}^{\mathrm{h}} \mathrm{um}^{31} \mathrm{iu}{ }^{55}$
save; be thrifty, tce ${ }^{31} \mathrm{io}^{31}$
save money, $\mathrm{d} z \mathrm{a}^{31} \mathrm{xa}^{31} \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{35}$
save money, $\mathrm{Pa}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
savory, appetizing, $\mathrm{Em}^{55} \mathrm{mu}^{31} \mathrm{lim}^{31}$
saw, a/to, $\mathrm{\gamma um}^{31} \mathrm{du}^{31}$ (Lisu)
saw, to, $\gamma \mathrm{ul}^{31} \mathrm{ni}^{33} \mathrm{v} \varepsilon^{35}$
saw, $\mathrm{Pu}^{31} \mathrm{du}^{55}$
sawdust, $\mathrm{ii}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}, \mathrm{uq}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31}$
sawdust, $\mathrm{y}^{31} \mathrm{~S}_{1}{ }^{55}$
say, speak, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{z}_{1} \mathrm{~m}^{33} \mathrm{u}^{31}, \mathrm{ve}^{33}$
say, $\mathrm{t}^{\text {h }} \mathrm{im}^{35}$
scabies, $\mathrm{xu}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{35}$ (Lisu)
scald head, $l^{31} \mathrm{p}^{\mathrm{h}} u \eta^{55} \mathrm{dza} \mathrm{a}^{55} \mathrm{ma}^{55}$
scald oneself, $\mathrm{Pa}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}{ }^{55} \mathrm{P} \mathrm{d} z \varepsilon^{35}$
scald with hot water, s'an ${ }^{53}$
scald, burn, $\mathrm{Pa}^{31} \mathrm{k}^{\mathrm{h}} \varepsilon \boldsymbol{g}^{53}$
scale pan, $\mathrm{yg}^{31} \mathrm{~d}_{\mathrm{m}} \mathrm{m}^{55} \mathrm{a}^{31} \mathrm{hit}^{35}$
scale see fish scale
scale, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{gam}^{55}$
scale, $\mathrm{ni}^{33} \mathrm{~d}_{\mathrm{d}}{ }^{55}$
scale or balance, $n \varepsilon^{31} \mathrm{~d}_{\mathrm{m}}{ }^{55} \mathrm{a}^{31}$ xum ${ }^{55}$
scale pan, $\eta^{31} \mathrm{~d}^{31} \mathrm{~m}^{55} \mathrm{a}^{31} \mathrm{hi}^{35}$
scalp, $\left.a^{31} p^{\text {h }} u\right)^{55} t^{\text {h }}$ in $^{55}$
scapula; shoulder blade, $\mathrm{za}^{31} \mathrm{ga}^{55} \mathrm{sa}^{33} \mathrm{zu}^{33}$
scar, dza ${ }^{53} \mathrm{ma}^{55} \mathrm{du}^{31}$
scar, ko ${ }^{55}$
scar, long, dza ${ }^{31} \mathrm{ma}^{55}$
scarcely, barely, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$
scarf, head, la $\left.^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}\right)^{55} \mathrm{xuan}^{55} \mathrm{~d}_{\mathrm{d}}{ }^{55}$
scarf, $\mathrm{xua}^{53} \mathrm{nu}^{31}$
scarf; handkerchief, ${ }^{2} 0^{55} \mathrm{lu}{ }^{35}$ (men's), $30^{55} \mathrm{t}^{\mathrm{h}} \mathrm{w}^{35}$ (woman's)
scatter, disperse, $\mathrm{a}^{31} \mathrm{ga},{ }^{5} \mathrm{dz} \mathrm{i}^{31} \varepsilon^{33}, \mathrm{k}^{\mathrm{h}} \tilde{\mathrm{a}}^{31} \mathrm{u}^{31}$
school, $\mathrm{s} 1^{55} \mathrm{va}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{En}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
school begins, $\mathrm{k}^{\mathrm{h}} \varepsilon^{55} 6 \mathrm{o}^{31}$
schoolmate, $\mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \mathrm{da}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{ar}^{31}$
scissors, ts ${ }^{\mathrm{h}} \mathrm{u}^{31}\left(\mathrm{t} \varepsilon^{55}\right)($ Lisu < Ch.)
scissors, $\mathrm{ts}^{\mathrm{h}} \mathrm{um}^{31} \mathrm{ni}_{\mathrm{i}}{ }^{55}{ }^{\mathrm{\gamma}} \mathrm{o}^{31}$
scold, to, $\mathrm{na}^{55} \varepsilon^{31}$
scold, to, $\mathrm{ka}^{33} \mathrm{~s}^{33}$
scold, to, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} l \mathrm{um}^{31} \tilde{\mathrm{u}}^{31}$
scoop out of water, ts $\mathrm{h}^{\text {1 }} \mathrm{u}^{31}$
scoop up (fish), drag for, do ${ }^{31} \mathrm{Po}^{33}$
scoop (water), do ${ }^{55}$
scoop up off the water, $\mathrm{Pa}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{iu}^{31}$
scoop, draw (water), $\mathrm{k}^{\mathrm{h}} \mathrm{am}^{53}$
scorched, sqm ${ }^{55} \mathrm{bu}^{31} \mathrm{dzi}^{31} \varepsilon^{31}$
scour, rub, $a^{31}$ xan $^{31} u^{33}$
scowl, to, $\mathrm{p}^{\mathrm{h}} \mathrm{w}^{31} \mathrm{n}_{\mathrm{n}} \mathrm{V}^{55} \mathrm{ma}^{55}$
scratch (chicken scratch for food), $\mathrm{zl}_{\mathrm{l}} \mathrm{I}^{31} \varepsilon^{55}$
scratch for food, $\mathfrak{\imath \eta ^ { 3 1 } \varepsilon ^ { 5 5 }}$
scram, to, $¢ \varepsilon n^{53}$
scrape; scratch; scale (a fish); shave (pig), $\mathrm{xo}^{31} \mathrm{O}^{55} ; \mathrm{xu}^{31} \mathrm{Pu}^{55} ; \mathrm{xo}^{33}$
scratch (of chicken), $\mathrm{zin}^{31} \varepsilon^{55}$
scratch (itch), $\mathrm{xo}^{31} \mathrm{Po}^{55}$
screen (leaves), to, $\mathrm{di}^{33} \mathrm{ga}^{55} \mathrm{u}^{31}$
screw, $\mathrm{a}, \mathrm{lo}^{31} \mathrm{Sl}^{55} \mathrm{tin}^{55}$
screw, to, $\mathrm{xua}^{53} \mathrm{yu}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u} \eta^{55}$
screwdriver, $\mathrm{tc}^{\mathrm{h}^{1} \mathrm{i}^{55}}{ }^{\mathrm{ts}} \mathrm{T}^{55}$
scrotum, $\mathrm{fa}^{31} \mathrm{ban}^{55}$
scull, $\mathrm{a}^{31} \operatorname{sum}^{31} \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55}$
sea, ocean, ts ${ }^{\text {h }} 1^{55}$ dom $^{55}$ dury $^{31}$
seal, to, dzu ${ }^{31} \mathrm{a}^{31} \mathrm{dza}^{31} \mathrm{u}^{31}$
seal, cover, to, $\mathrm{t}^{\mathrm{h}} \mathrm{an}^{31}$
seal (for a letter), $a, d z u^{31} a^{31} d z a^{55} d^{2} m^{55}$
seal envelope, $s 1^{55} \mathrm{va}^{31} l \varepsilon^{31} \mathrm{su}^{55} \mathrm{di}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{am}^{31}$
seal, stamp, a, buı ${ }^{31} \mathrm{a}^{31} \mathrm{~d} \mathrm{ma}^{55} \mathrm{~d}_{\mathrm{m}} \mathrm{m}^{55}$
search (person), $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ som $^{35}$
search (mountain), ming ${ }^{35}$
seashore, $\mathrm{tc}^{\mathrm{h}} \mathrm{um}^{31} \mathrm{mu}^{31} \mathrm{sa}^{31}$
seaweed, gua ${ }^{31} t$ ch $^{\mathrm{h}} \mathrm{an}^{55}$
second, $\mathrm{da}^{53} \mathrm{u}^{31} \mathrm{a}^{31} \mathrm{nd}^{55}$
second (day); next (day), $\mathrm{il}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{a}^{31} \mathrm{n}_{\mathrm{i}} \mathrm{i}^{55}$
second, $\mathrm{ku}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{a}^{31} \mathrm{ni}^{55}$, $\mathrm{ti}^{35} \varepsilon^{35}$ (Ch.), $\mathrm{ni}^{31} \mathrm{ma}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ma}^{33}$ (Lisu)
second day, $\mathrm{a}^{31} \mathrm{ni}_{\mathrm{i}}{ }^{33} \mathrm{ni}^{33}{ }^{33}$
second day of lunar calendar, $\mathrm{s}^{31} \mathrm{la}^{55} \mathrm{a}^{31} \mathrm{n}_{\mathrm{i}}{ }^{55} \mathrm{n}_{\mathrm{i}}{ }^{55}$
second earthly branch (cow), nu $\tilde{u}^{31} u \tilde{a}^{31} n u \eta^{55}$
second wife, $\mathrm{mu}^{31} \mathrm{li}^{33} \mathrm{mul}^{31}$
secret, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55}$
secretion in the eye, $n^{33} t^{h} \mathrm{w}^{53}$
secretly; on the sly, $\mathrm{tc}^{\mathrm{h}} \mathrm{in}^{55} \mathrm{dum}^{31}$
section (of bamboo between two joints), clf., tum ${ }^{55} ; \tan ^{55} ; \mathrm{t}^{\mathrm{h}} \mathrm{un}^{55}$
section (of bamboo between two joints), clf., gam ${ }^{55}$
section (of bamboo between two joints), clf., $\mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{n}_{\mathrm{i}}{ }^{55}$
section (road), clf., yom ${ }^{33}$
sedan chair, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ar}^{31} \mathrm{a}^{31} \mathrm{gi}^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
sedan chair, $\mathrm{xua}^{31} \mathrm{ka}^{55}$ (Ch.)
sedan chair, carry, $\mathrm{a}^{31} \operatorname{gin}^{55} \mathrm{~d}_{\mathrm{m}} \mathrm{m}^{55} \mathrm{a}^{31} \mathrm{gi}^{31} \mathrm{a}^{31}$
see visitor off, $m u^{31} \mathrm{n}^{2} \mathrm{~m}^{35} \operatorname{cin}^{31} \mathrm{u}^{31}$
see, dza ${ }^{55}, \mathrm{~d} \not \mathrm{Za}(\mathrm{u})^{53}, \mathrm{za}^{55} ; \mathrm{za}^{31}{ }^{\mathrm{d}} \mathrm{z} \mathrm{a}^{55}$
see through, dzay ${ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{am}^{53}$
seed of Asiatic plantain, $\mathrm{a}^{31} \mathrm{dzun}^{55} \mathrm{n} \tilde{a}^{31}$
seed, $\mathrm{Pn}^{31} \mathrm{ium}^{31}$, $\mathrm{ium}^{31}$
seedling, sprout, $\mathrm{l}^{55} \mathrm{dza}^{53}$ (Lisu)
seeds (reserve), liu ${ }^{53}$
seek refuge from, $\mathrm{a}^{31} \operatorname{san}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35} \mathrm{ma}^{55} \mathrm{~S} \mathrm{l}^{31}$
seek; look for, $\mathrm{la}^{53} \mathrm{a}^{55}, \mathrm{qau}^{53}$
seize, to, $\mathrm{t}^{\mathrm{h}} \mathrm{in}^{255}$
seize, to, $\mathrm{ni}^{55} \mathrm{t}^{\text {h }} \mathrm{am}^{31}$
seize and arrest, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{va}^{35} \mathrm{u}^{31}$
seize, take, carry, du $^{55} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{31} \mathrm{nuy}^{55}$
select and delegate, depute, $\mathrm{p}^{\mathrm{h}} \varepsilon^{31}$ (Ch.)
select, pick, $\mathrm{a}^{31} \mathrm{se}^{31} \mathrm{nu} \mathrm{u}^{31}$
select seed, $\mathrm{a}^{31} \mathrm{su}^{31}$
self, $\mathrm{y}^{31} \mathrm{lo}^{33} \mathrm{lu}^{55}$
self-designation for minorities, $\mathrm{a}^{31}$ nun ${ }^{31} \mathrm{ts}^{\mathrm{h}} 1^{55}$
sell, $n^{2} \mathrm{~m}^{33}(\varepsilon)$, ñ $\mathrm{m}^{31}$ (imperative), $n \varepsilon \mathrm{~m}^{55}$, $n \varepsilon \mathrm{~m}^{31}$
sell rice, $\mathrm{dza}_{1}{ }^{31} \mathrm{za}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ven}^{35}$
semen, $\mathrm{ca}^{31} \mathrm{duy}^{55} \mathrm{ts}^{\mathrm{h}}{ }^{31}{ }^{31}$

send (letter), $\mathrm{di}^{31} \mathrm{bun}^{31}$
send (money), $\mathrm{dza}^{\mathrm{a}^{31}} \mathrm{xa}^{31} \mathrm{di}^{31} \mathrm{ba}^{31} \mathrm{u}^{31}$
send (thing), $\mathrm{sa}^{33} \mathrm{bo}^{33}, \mathrm{a}^{31} \mathrm{bo}^{33}$
send (gift), $\mathrm{dza}_{1}^{55} \mathrm{u}^{31} \mathrm{sa}^{55} \mathrm{ba}^{31}$
send off, see off, $\operatorname{cin}^{33} \mathrm{bo}^{55}$
send the bethrothed presents, $\left.\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{dz}\right]^{55} \mathrm{u}^{31}$
send, to, $\mathrm{di}^{31} \mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{53}$
senile, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{man}^{31}$
sentence, speech, utterances, clf., $t 6^{h}{ }^{\mathrm{h}} \mathrm{m}^{55}$
separate, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}$
separate, $\mathrm{Pa}^{31} \mathrm{di}^{31} \mathrm{ba}^{55}$
separately, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{io}^{55} \mathrm{t}^{\text {h }} \mathrm{i}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
separate (causative), $\mathrm{di}^{31} \mathrm{ba}^{33} \mathrm{u}^{55}$
September, duw ${ }^{31} \mathrm{gux}^{31} \mathrm{la}^{55}$
seriously ill, $\mathrm{ba}^{31} \mathrm{~S}^{31} \mathrm{a}^{31} \mathrm{dza}^{35} \mathrm{a}^{55}$
servant; lackey, dzu ${ }^{31} \mathrm{cen}^{55}$
serve a meal, bu ${ }^{35} \mathrm{dzq}^{55} \mathrm{~cm}^{53}$
serve, act as, $\mathrm{xua}^{55} \mathrm{~s}^{31}$
serve, act as, $\mathrm{uq}^{55} \mathrm{SI}^{31}$
sesame, $\left.\mathrm{mo}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u}\right)^{55}$
sesame oil, $\mathrm{bu}^{31} \mathrm{ium}^{53}$
set a snare, $\mathrm{xo}^{31}$ dzim ${ }^{55}$
set fish free, $\mathrm{yuq}^{55} \mathrm{~s}^{31} l \mathrm{lan}^{31} \mathrm{u}^{31}$
set off firecrackers, $\mathrm{t}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{\gamma u}^{31} \mathrm{po}^{55} \mathrm{~S}^{31} \mathrm{lan}^{35}$
set (sun) $=$ sink, go down, dzim ${ }^{55}, a^{31}$ dzim $^{55}$
set on fire, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ta}^{55} \mathrm{u}^{31}$
set one's mind at rest, be relieved, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ca}^{31}$
set table, $\mathrm{tca}{ }^{55} \mathrm{ts} / / \mathrm{u}^{31} \mathrm{duy}^{53} \mathrm{u}$
set up a bed, $n_{i m}{ }^{55} \mathrm{za}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{F}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{aa}^{31} \mathrm{zo}^{31} \mathrm{mum}^{31}$
set up frame, $\mathrm{a}^{31} \mathrm{ve}^{55} \mathrm{~d} \not \mathrm{im}{ }^{35} \varepsilon$
set up pillars, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{zum}{ }^{55} \mathrm{t}_{6} \mathrm{~h}^{\mathrm{h}} \mathrm{g}^{53} \mathrm{u}^{31}$
sever (a rope); cut off, $\mathrm{t}^{\mathrm{h}} \mathbf{w n}{ }^{53} ; \mathrm{t}^{\mathrm{h}} \underline{\underline{u}}{ }^{33}$
several, $\mathrm{n}^{31}$ - (e.g. $\mathrm{y}^{31} \mathrm{ca}^{55}$ 'several hundreds')
several, dar ${ }^{31}$
seven, $\mathrm{s} 1^{31} \mathrm{n}_{\mathrm{i}}{ }^{55}>\mathrm{sq} \mathrm{n}^{35}, \mathrm{~s} 1^{31}$ (Lisu)
seven sisters stars, $\operatorname{ci}^{31}{ }^{3} \mathrm{n}_{\mathrm{i}}{ }^{55}{ }^{31} \mathrm{il}^{31} \mathrm{vi}^{55}$
seventeen, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{sq}^{1 \mathrm{n}^{35}}, \mathrm{ts}^{\mathrm{h}} 1^{55} \mathrm{~S} 1^{31}$ (Lisu)
seventh, $\mathrm{ti}^{35} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$
seventh, $\mathrm{da}^{53} \mathrm{u}^{31} \mathrm{sqn}^{35}$
seventh early branch (horse), mã ${ }^{31}$ num ${ }^{55}$
seventy, $\mathrm{sqn}^{35} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$
severe, $\mathrm{pi}^{31} \mathrm{pi}^{31}$
sew (cloth), patch, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{53}\left(\mathrm{u}^{31}\right)$
sew on (button), th $\tilde{\mathrm{a}}^{31}\left(\mathrm{u}^{31}\right)$
sexual intercourse (common term), $\mathrm{a}^{31} \mathrm{qu}^{55}$
sexual intercourse (euphemism), $\mathrm{a}^{31} \mathrm{uq}^{55}$
sexually harrass, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55} \mathrm{mi}^{31}$
shack, thatched, $a^{31} \mathrm{~d} \mathrm{za}^{31} \mathrm{a}^{31} \mathrm{v} \tilde{\varepsilon}^{55}$
shackles, cam $^{31} \mathrm{xum}^{55}$

shady side (of mountain), $\mathrm{p}^{\mathrm{h}} \mathrm{ur}^{31} \mathrm{dzam}^{31}$
shake (head), $a^{31} n \varepsilon m^{55}, u^{31} n_{n} m^{55}$
shake hands, $\mathrm{a}^{31} \mathrm{vu}^{55} \mathrm{ci}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{35}$
shake off (dust), $\mathrm{Pa}^{31} \mathrm{gan}^{53} \mathrm{u}^{31}$
shake one's head, $\mathrm{xua}^{31} \mathrm{ST}^{55}$
shake open, spread, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{u}^{31}$
shake out, $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{an}^{53}{ }^{3}{ }^{31}$
shake, io $^{33}$ pun $^{55}$
shake, to, $\mathrm{a}^{31} \mathrm{n}_{\mathrm{n}} \mathrm{m}^{55}, \mathrm{a}^{31} \mathrm{n}_{\mathrm{n}} \mathrm{n}^{55}$
shallow basket, $\mathrm{la}^{35} \mathrm{~d} 7 \mathrm{mu}^{31}$
shallow (water), $\mathrm{m}^{31} n w \eta^{31}$
shaman, $\mathrm{da}^{31}{ }^{\mathrm{S}} 1^{55}{ }^{5} \mathrm{phu}^{31}$
shame; shy, can $^{55}$
shameless, $\mathrm{s} 1^{31} \mathrm{Ian}^{35} \mathrm{~m}^{31} \mathrm{so}^{55}$
shampoo the hair, $\operatorname{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u} \eta^{55} \mathrm{~d} \not \mathrm{zn}^{55}$
shape of something collapsed, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{lan}^{31} \mathrm{la}^{31}$
sharp (knife), $\mathrm{t}^{\mathrm{h}} \mathrm{u}^{31}, \mathrm{si}^{55} \mathrm{si}^{55}$
sharpen, grind, $\mathrm{xa}^{33} \mathrm{yu}^{31}$
shave, mun $?^{55}$
shave beard, $m u^{31} t s 1^{55}{ }^{5} i^{31} \lim ^{31} \mathrm{se}^{55}$
shave head, have a haircut, $\varphi^{31} \lim ^{31}{ }_{S 1}{ }^{55}$
shave the head bald, $\mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}{ }^{5} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ci}^{31} \lim ^{31}{ }_{\mathrm{S}} \mathrm{S}^{55}$
shavings, $6 \mathrm{~min}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{mn}^{31}$
shealth; scabbard, $\varsigma \varepsilon \mathrm{m}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31}$
shed tears, $\mathrm{Pa}^{31} \mathrm{i} \mathrm{w}^{31}$
shed tears, $\mathrm{p}^{\mathrm{h}} \mathrm{Sl}^{31} \mathrm{a}^{31} \mathrm{Su}^{31}$
sheep herder, $\left.\mathrm{a}^{31} \mathrm{~b}^{55} \mathrm{a}^{31} t 6^{h} u\right)^{53} \mathrm{su}^{55}$
sheep or goat pen, $\mathrm{a}^{31} \mathrm{~b} \varepsilon^{55} \mathrm{dza}{ }^{31} \mathrm{xam}^{35}$
sheepfold fence, $a^{31} b \varepsilon^{55} \mathrm{~d} 7 \mathrm{a}^{31} \mathrm{xam}^{35}$
sheep skin, $a^{31} \mathrm{ian}^{31}$ sam $^{31} \operatorname{tc}^{\mathrm{h}} \mathrm{im}^{31}$
sheep skin (vest), $\mathrm{a}^{31} \mathrm{~b}^{55} \mathrm{sam}^{31}$
sheep, $\mathrm{a}^{31} \mathrm{ian}^{31}$
shell, peel, $\mathrm{sam}^{31} \mathrm{sam}^{35}$
shell of a boat, $\mathrm{ca}^{55} \mathrm{sam}^{31} \mathrm{a}^{31} \mathrm{sum}^{31}$
shell (peanuts), to, $\mathrm{k}^{\mathrm{h}} \mathrm{ar}^{31} \mathrm{u}^{31}$
shell, peel, $\mathrm{k}^{\mathrm{h}} \mathrm{in}^{55} \mathrm{nun}^{31} ; \mathrm{k}^{\mathrm{h}} \mathrm{in}^{55}$
shield, $\mathrm{a}^{31} \mathrm{~d} \not \mathrm{q} \underline{a}^{53}$
shinbone, $\mathrm{a}^{31} \mathrm{xa}^{35}$ gur $^{31}$
shine (mirror), $\mathrm{za}^{31} \mathrm{u}^{31}$
shine (sun), $7 \mathrm{a}^{31} \mathrm{u}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$
shine (sun); roast in sun, $\mathrm{łam}^{55}$; $\mathrm{łam}^{53}$
shiny, $\mathrm{mu}^{55} \mathrm{lan}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$
shiny, shining, $\mathrm{Pga}^{53} \mathrm{ni}^{33}$
shirt, $\mathrm{i}^{55} \mathrm{dur}{ }^{31} \mathrm{gua}^{31} \mathrm{~d}^{2} \mathrm{~m}^{55}$
shit, fly, $\mathrm{ba}^{33} \mathrm{sum}^{55} \mathrm{pu}^{31} \mathrm{nin}^{31}$
shiver, tremble, to, $\mathrm{a}^{31} \mathrm{n}_{\mathrm{L}} \varepsilon \mathrm{m}^{55} \varepsilon^{55}$
shoelaces, $\mathrm{a}^{31}$ xum ${ }^{55}$
shoes, $\mathrm{a}^{31} \mathrm{xa}^{55} \mathrm{~g} \mathrm{l}^{55} \mathrm{~d}_{1} \mathrm{~m}^{55}$
shoes, cloth, $\mathrm{ma}^{31} \mathrm{xum}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{33} \mathrm{ni}^{33}$
shoes, leather, $\mathrm{ca}^{55} \mathrm{sam}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{33} \mathrm{ni}^{33}$
shoot arrow, small arms, vam ${ }^{55}$
shoot arrow, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55}$ fam $^{55}\left(\mathrm{vam}^{55}\right)$
shoot, fire gun, bo ${ }^{55}$
shoot, $\mathrm{vam}^{55}$; shoot each other, $\mathrm{a}^{31} \mathrm{vam}^{55}$
shoot the target, $\mathrm{vam}^{53} \mathrm{du}^{31} \mathrm{dzay}{ }^{31} \tilde{\mathrm{u}}^{31}$
shoot with gun, $\mathrm{d} 7 \mathrm{~m}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{an}^{33}{ }^{3} \mathrm{van}^{53}$
shop selling salt, $\mathrm{s}^{31} \mathrm{la} \mathrm{\eta}^{55} \mathrm{ven}^{35} \mathrm{za}^{53}$
shop; store, $v \in n^{55} \mathrm{za}^{55}$
shopkeeper, $n \varepsilon n^{55} y^{31} \mathrm{k}^{\mathrm{h}} \mathrm{qy}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
short, $\mathrm{t}^{\mathrm{t}} \mathrm{um}{ }^{55}$
short lunar month, $s 1^{31} 1 a^{55} t c^{\mathrm{h}} \varepsilon n^{31}$
short person; dwarf, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{nim}^{31}$
short, $t \mathrm{ci}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{wn}{ }^{55}$
short knife/sword, $\epsilon^{2} \mathrm{~m}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{~d}_{\mathrm{on}}{ }^{55}$
shortcoming, tc $^{\text {h }} \mathrm{ye}^{31}$ tian $^{53}$
shorts, $\mathrm{ca}^{33} \mathrm{ma}{ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{wn}{ }^{55}$
should, $\mathrm{a}^{31} \mathrm{nem}^{55}, \mathrm{dza}^{33}, \mathrm{l}^{33}$
should go, $\mathrm{dz}_{1}{ }^{55} \mathrm{li}^{55} \mathrm{a}^{31} \mathrm{n}^{33}$
shoulder, $\mathrm{za}^{31} \mathrm{gã}^{55}$
shoulder blade, scapula, $\mathrm{za}^{31} \mathrm{gã}^{55} \mathrm{sa}^{33} \mathrm{zuu}^{31}$
shoulder, to, $\mathrm{a}^{31} \mathrm{sen}^{31} \mathrm{u}$
shout, cry out, Rguin $^{53} \mathrm{u}^{31}$, gury $^{53}, \mathrm{Sl}^{31} \mathrm{dzl}^{55}$
shout, make (someone), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{uy}{ }^{55}$
shout, make (someone), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{dam}^{55}$
shout, to, $\operatorname{ian}{ }^{55} \varepsilon^{31}$
shovel, $\mathrm{ts}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \mathrm{ts}^{31}$
shovel, tçu ${ }^{55} \mathrm{p}^{\mathrm{h}} \mathrm{i} \varepsilon^{55}$
shovel, spade, to, $\mathrm{xo}^{31} \mathrm{o}^{55}$
show up for, $\mathrm{a}^{31} \mathrm{val}^{55}$
shredded meat, $\mathrm{ca}^{33} \mathrm{bun}{ }^{55}$
shrink (e.g., clothes), $\mathrm{a}^{31} \mathrm{di}^{31}$ ?gum ${ }^{55}$
shrivelled, shrunken, $t^{\text {h }}{ }^{\text {im }}{ }^{53}$
shut (mouth), ( $\left.\mathrm{di}^{31}\right) \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{55}$
shut someone up, $\mathrm{p}^{\mathrm{h}} \mathrm{am}^{53}$
shuttle, $\mathrm{mi}^{55} \mathrm{gin}^{31}$
shuttlecock, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{~min}^{33} \mathrm{a}^{31} \mathrm{li}^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
shy, coy, s $1^{33} \operatorname{can}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{can}^{55}{ }_{\mathrm{s}}{ }^{31}$

siblings of father's brothers, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dza}^{55} \mathrm{ma}^{31}$
siblings of father's sisters; of mother's brothers and sisters, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{nan}^{55}$
sick, be, $a^{31} \mathrm{dza}^{53}\left(\mathrm{u}^{31}\right)$
sick, ill, hurt, $\mathrm{ts}^{\mathrm{h}} \mathrm{a}^{53} \mathrm{na}^{55}$
sickness, $\eta^{31}{ }^{31} \mathrm{dzau}^{35}$
sickle, $10^{55} \mathrm{mov}^{31}$
sickle with a saw, $\mathrm{io}^{55} \mathrm{ma}^{33}$
side ( n .), ( $\mathrm{di}^{31}$ ) $\mathrm{t}^{1 \mathrm{lr}_{1} 55}$
side rooms, $\mathrm{ad}^{31} \mathrm{ve}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
side sword, $\mathrm{d} \not \mathrm{a}^{31} \mathrm{ma}^{31}$
side, $\mathrm{di}^{33} \mathrm{tc}^{1 \mathrm{r}^{55}}\left(\mathrm{k}^{\mathrm{h}} \mathrm{a}^{33}\right)$
sideburns, $\mathrm{ba}^{31} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{i}^{31}$
sidewalk, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{dz} 1^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31}$
sieve; sifter, $\mathrm{ua}^{55}{ }^{\mathrm{t}} \mathrm{c}^{55}$
sift (grain), xuqn ${ }^{53} \mathrm{u}^{31} ;$ ximu $^{53}$
sign, to, bur ${ }^{31} \mathrm{p}^{\text {h }} \mathrm{a}^{31} \mathrm{zu}^{53}$
silent, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ma}^{31} \mathrm{san}^{55} \mathrm{ma}^{31} \mathrm{~S} 1^{31}$
silk fabric, $\mathrm{bul}^{31} \mathrm{ma}^{33} \mathrm{xuy}^{55}$
silk fabric, $\mathrm{bu}^{55} \mathrm{ga}^{31} \mathrm{mu}{ }^{55}$
silk thread, $\mathrm{bu}^{33} \mathrm{vam}^{55} \mathrm{zur}^{33} \mathrm{bur}^{31}$ bum ${ }^{55}$
silkworm, bu ${ }^{31}$ bul $^{31}{ }^{l u)^{55}}$
silkworm chrysalis, $?^{31}{ }^{31}$ cun ${ }^{55}$
silver dollar, dza ${ }^{31} \mathrm{xa}^{31} \mathrm{lan}^{55}$
silver, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}$
silver, $\mathrm{x}^{31}$
silversmith, $\mathrm{dza} \mathrm{a}^{31} \mathrm{xa}^{55} \mathrm{z}_{1} \mathrm{~m}^{55} \mathrm{su}^{55}$ (Lisu)
simmer, roast in hot ashes, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{u}^{31} \varepsilon^{55} \mathrm{gu}^{55}$
simpleton, $\mathrm{n}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{55}$
since (time), $\mathrm{k}^{\mathrm{h}} \mathrm{un}^{31} \mathrm{ni}^{33}$
sing (song), $\mathrm{mu}^{31} \mathrm{gua}^{33} \mathrm{gua}^{55}$ (Lisu)
sing, to, $\mathrm{m}^{31} \mathrm{crm}^{55} \mathrm{ua}^{33}$, $\mathrm{gua}^{55}$ (Lisu)
sing, to, $\mathrm{bul}^{31} \mathrm{zu}^{55}$
sing role in opera, $h \varepsilon^{55} t^{\mathrm{h}} 1^{31} 1 \mathrm{l}^{55} \mathrm{su}^{55}$
single child, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{i}^{55} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$
single crown of the head, $\mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{zn}^{55}$
sink into; sunken; dented, cuin ${ }^{55} \mathrm{~d} \not \mathrm{i}^{31} \varepsilon^{55}$
sink, to, dzum ${ }^{55} \mathrm{a}^{31} \mathrm{ba}^{33}$
siskin; titmouse, $\mathrm{tşu} \mathrm{u}^{55} \mathrm{Pg} \varepsilon \mathrm{y}^{55}$
sister (older), $\mathrm{dzz}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{55}$
sister (younger) (citation form), $\left(\mathrm{n}^{31}\right) \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{nan}^{55}$
sister, elder (address; appellation), ( $\mathrm{dza}^{31}$ ) $\mathrm{p}^{\mathrm{h}} \mathrm{i}^{55}$
sister's son, $\mathrm{sa}^{55} \mathrm{dza}^{31}$
sister's term for brother, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dza}^{55} \mathrm{ma}^{31}$
sisters $=$ younger sibling, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{nan}^{55}$
sisters, dza ${ }^{31} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{55}$
sit, $\mathrm{go}^{55} \mathrm{na}^{33}$
sit, dzul ${ }^{33}$
sit (imp.), no ${ }^{55}$, no $0^{55}$
sit down, $\mathrm{no}^{33}, \mathrm{no}^{55} ; \mathrm{Ri}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{no}^{33}$
sit up, $\mathrm{tc}^{\mathrm{h}} \mathrm{in}^{55}{ }^{55}{ }^{31}$
six, kuy ${ }^{55}$, tso $^{53}$ (Lisu)
sixteen, $\mathrm{th}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{kuq}^{55}, \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31} \mathrm{tsso}^{53}$ (Lisu)
sixteenth day of lunar month, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{kun}{ }^{55} \mathrm{ni}^{33}$
sixth, $\mathrm{da}^{53} \mathrm{u}^{31} \mathrm{kun}^{55}$
sixth, $\mathrm{ti}^{35} \mathrm{lu}^{31}$ (Ch.)
sixth early branch (snake), buw ${ }^{31}$ num ${ }^{55}$
sixty, $\mathrm{kuy}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$
skin diseases, $\mathrm{sa}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{a}^{31} \mathrm{dza}^{35}$
skin ulcers, scabies, $\mathrm{da}^{33} \mathrm{dzu}^{55}$
skin, $\mathrm{sa}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{31}$
skin (cattle), sam ${ }^{3}$
skip, to, $\operatorname{ta}^{35} \mathrm{du}^{31} \mathrm{~s} 1^{31} \operatorname{lam}^{55} \mathrm{se}^{55}$
skirt; petticoat, $\mathrm{s}^{31}{ }^{11} \mathrm{I}^{31}$
skull, $\mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55} \mathrm{da}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{am}^{55}$
skull-shaped block, $\mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55} \mathrm{da}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{am}^{55}$
sky, heaven, $\mathrm{mu}^{55} \mathrm{lan}^{31} ; \mathrm{mu}^{55}$
slanting, $\mathrm{dz}_{\mathrm{l}}{ }^{31} \mathrm{~d} \mathrm{Z}_{\mathrm{l}}{ }^{31}$ (Lisu)
slanting, leaning, $\mathrm{di}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{53}$
slap, to, $\mathrm{ba}^{31} \mathrm{ta}^{55} \mathrm{a}^{31} \mathrm{nd}^{31} \mathrm{u}^{31}$
slaughter, to, $\operatorname{san}^{55}$ (= kill)
slaver, covet, $\left.\mathrm{ts}^{\mathrm{h}} \mathrm{p}^{55} \mathrm{a}^{31} \mathrm{iun}\right)^{31}$
sleep-walk, $\mathrm{man}^{55} \mathrm{bi}^{31}$
sleep, nim ${ }^{55}\left(\right.$ nim $\left.^{55}\right)$
sleep, cause to, $\mathrm{ci}^{31}{ }^{3} \mathrm{nim}^{55} ; \mathrm{nim}^{55} \mathrm{i} ; \mathrm{ni}^{55} \mathrm{mi}^{31}$
sleep (of silkworm), $\mathrm{bu}^{31} \mathrm{bur}^{31} \chi^{\mathrm{W}} \mathrm{m}^{55} \mathrm{dan}^{31} \mathrm{zun}^{55} \mathrm{se}^{31}$
sleep on side, $\mathrm{Pi}^{55} \mathrm{dzi}^{31} \mathrm{ni}^{55} \mathrm{~m}^{33}$
sleep on stomach, $\mathrm{mo}^{31} \mathrm{ni}^{33} \mathrm{ya}^{55} \mathrm{~S}_{1}{ }^{31} \mathrm{li}^{31} \mathrm{n}_{\mathrm{o}}{ }^{55} \mathrm{iu}^{31}$
sleep talk, $\mathrm{may}^{55} \mathrm{bi}^{31}=$ sleep walk
sleep, take a nap, $a^{31} n_{n} \eta^{35} \mathrm{a}^{55}$ nim $^{55}$
sleep with back down, $\mathrm{ga}^{31} \mathrm{la}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ni}^{55} \mathrm{~m} \varepsilon^{33}$
sleepwalk, $\mathrm{man}^{55} \mathrm{bi}^{31}$
sleepy, $\mathrm{ni}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{num}^{53}$
sleeve, $\mathrm{ga}^{31} \mathrm{la}^{31} \mathrm{du}^{55}$
sleeve, ts $^{\mathrm{h}} \mathrm{q}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{um}^{31}$
sliced meat, $\mathrm{ca}^{33} \operatorname{lay}{ }^{55}$
slices, buckwheat, $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{uq}^{55} \mathrm{sur}^{31} \mathrm{lu}^{31}$
slide, $\mathrm{a}, \mathrm{s}{ }^{31} \mathrm{lun}^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
slide, to, $\mathrm{a}^{31} \mathrm{v}_{\mathrm{vi}}{ }^{55}$
slide, $a, a^{31} \mathrm{vzi}^{55}$
slide through, as oar through water, vai ${ }^{55}$
slide door, drawer, $n a^{31} t \epsilon^{\mathrm{h}} \mathrm{my}{ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i} \varepsilon \eta^{31} \mathrm{u}^{31}$
slide down a slide, $s 1^{31} l u n^{55} \mathrm{~s} 1^{31}$
slide helper (rear), $\mathrm{r}^{31} \mathrm{ga}^{35} \mathrm{lu}^{31}$
slide rope, $\mathrm{ma}^{33}-\mathrm{d}^{2} \mathrm{~m}^{55}$
slide groove, $\mathrm{d} 7 \mathrm{i}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{un}^{55}$
sliding cable chain, $\mathrm{a}^{31} \mathrm{lan}^{55}$
sliding weight in steelyard, $\mathfrak{y} \varepsilon^{31} \mathrm{~d}^{2} \mathrm{~m}^{55} \mathrm{un}^{55}$
slightly, somewhat, $1 \varepsilon^{55}$
slingshot, $\tan ^{35} \mathrm{kuy}{ }^{55}$
slip, to, tct ${ }^{\mathrm{h}} \varepsilon^{53} ; \mathrm{t}^{\mathrm{h}} \tilde{\varepsilon}^{53}$
slip to one side, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \operatorname{cin}^{55} \mathrm{cum}^{31}$
slip away, $\mathrm{tc}^{\mathrm{h}} \tilde{\varepsilon}^{53}$
slippery, $\mathrm{di}^{31} \mathrm{gu}^{33}$
slippery, cause to be, $\mathrm{s}^{31}{ }^{31}$ lun ${ }^{35}$
slope; slant, $\mathrm{lu}^{31} \mathrm{ka}^{35}$ pon $^{53}$
sloppy $=$ passable, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} w \eta^{55} \mathrm{t}^{\mathrm{h}} \mathrm{m} \eta^{55}$
slough off skin, tct ${ }^{\text {h }}{ }^{3} \mathbf{n}^{53}$
slow cf. late, $\mathrm{a}^{31} \mathrm{n}_{1} \mathrm{an}^{35}$
slow (walk), $\mathrm{a}^{31} \mathrm{i} \tilde{a}^{35}\left(\mathrm{si}^{31}\right)$
slowly, gradually, $\mathrm{a}^{31} \mathrm{ian}{ }^{35}\left(\mathrm{~s} 1^{31} / \mathrm{si}^{31}\right)$
slowly, slow, sluggish, $\mathrm{a}^{31} \mathrm{i}$ ă ${ }^{55}$ iãn ${ }^{55} \mathrm{~S} 1^{31}$
slurp, to, $\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{55} \varepsilon^{31}$
sly, cunning, $s 1^{31} s 1^{55} s \varepsilon^{31}$
slyly, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55} \mathrm{ua}^{31}$
smack one's lips, $\mathrm{di}^{31} \mathrm{dan}^{31} \mathrm{u}^{31}$
small dike-like area surrounding the dugout area for cooking, $\mathrm{mu}^{31} \mathrm{zam}^{55}$
$k^{\mathrm{h}} \mathrm{un}{ }^{55} \mathrm{lan}^{31}$
small, become, $t^{h} i^{55} l{ }^{55} \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{55}$
small but conceited, $\mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31}$
small change; $d z a^{31} x^{31}{ }^{10} \eta^{55} t^{h}{ }^{\mathrm{h}} \mathrm{n}^{31}$
small change, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{xu}^{31}$ (Lisu)
small dishes of food, $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
small, t ${ }^{\text {h }}{ }^{\text {i }}{ }^{55}{ }^{5}{ }^{55}$
small (of back), da ${ }^{55}$ guy $^{31}$ dzim ${ }^{55}$
small (one), $\mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
smallpox, na $^{33} \mathrm{do}^{33}$ (Lisu)
smash, break, ${\$ 11^{31}}^{3}$ xuam $^{53}$
smash, break, $\mathrm{\eta}^{31} \mathrm{~s} 1^{31} \varepsilon^{31} \mathrm{t}^{\mathrm{h}} \mathrm{am}^{53}$
smash (bowl), $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{Ya}^{55} ; \mathrm{ga}^{55}$
smash, cause to, $\mathrm{sl}^{31} \mathrm{ga}^{55}$
smash, strike, break, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{Po}^{55} \mathrm{na}^{31} \mathrm{di}^{31} \mathrm{mu}^{55}$
smell (fishy), $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{~m}^{31} l \varepsilon \mathrm{~m}^{31} \varepsilon^{55}$
smell, to, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}{ }^{1} \mathrm{~lm}^{55} \mathrm{u}^{31}$
smell, sniff, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} l \varepsilon \mathrm{~m}^{55} \mathrm{u}^{31}$
smell, taste, $\lim ^{31}$
smelt (copper), $\mathrm{di}^{31} \mathrm{grl}^{31} \mathrm{u}^{3}$
smelt (iron), ts ${ }^{\text {h }}{ }^{31}$
smelt (iron), di ${ }^{31} \mathrm{dzi}_{\mathrm{i}} \mathrm{u}^{31}$
smile, to, $\mathrm{ba}^{31} \mathrm{ni}^{31} \mathrm{a}^{31} \mathrm{xi}^{55}$
smoke (cigarette), $\mathrm{tt}^{\mathrm{h}} \mathrm{im}^{53}$
smoke (cigarette), $\mathrm{a}^{31} \mathrm{ian}^{31}$
smoke (fire), $\mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{31}$ yom $^{55}$
smoke (oil), $\mathrm{a}^{31} \mathrm{i}^{31}{ }^{31}$
smoke (cook), $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{i} \varepsilon \eta^{31} \mathrm{u}^{55}$
smoke tobacco, $a^{31} n o^{31}$
smoke, to, $\left.\mathrm{a}^{31} \mathrm{~d} \mathrm{qumr}^{31} ; \mathrm{a}^{31} \mathrm{dzum}\right)^{31}$
smooth, $s \mathrm{q}^{55} \mathrm{sq}^{55} \mathrm{tc}^{\mathrm{h}} \tilde{\mathrm{a}}^{31} ; \mathrm{sl}^{55}$
smooth, glossy, t tc ${ }^{\mathrm{h}} \tilde{\varepsilon}^{55}$
smother (charcoal), $\mathrm{da}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55}$
snail, buı ${ }^{31}$ nu1 ${ }^{55}$ (Lisu)
snake slough, $\mathrm{bu}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{55}$
snake, bu ${ }^{31}$
snake, flying, d $\varepsilon \mathrm{m}^{31} \mathrm{bu}{ }^{31}$
snake, poisonous, $\mathrm{bu}^{31} \mathrm{t} \mathrm{c}^{\mathrm{h}} \tilde{\mathrm{a}}^{55}$
snap fingers, $\left.\mathrm{n}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{55} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} u\right)^{55}$
snap (a thread), ci $^{31}$ ? $\mathrm{den}^{55}$
snap or break (stick), lu $\left.{ }^{55} \mathrm{ru}^{31} ; \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{lun}\right)^{55} \tilde{\mathrm{u}}^{55}$
snap (thread, rope), $\mathrm{a}^{31} \mathrm{P} \mathrm{d}^{5}{ }^{55}$
sneeze, $a^{31} t^{1 t^{155}}{ }^{55}$
sneeze, ${P a^{31}} \mathrm{k}^{\mathrm{h}} \mathrm{un}^{55}$
snore, $\mathrm{sl}^{31} \mathrm{na}^{55} \mathrm{na}^{55} \varepsilon^{31}$
snot, nim ${ }^{55}$
snow melts, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ven}^{31} \mathrm{gn}^{55} \mathrm{a}^{31} \mathrm{ni}^{33}$
snow pea pod, $\mathrm{do}^{31} \mathrm{ts}^{\mathrm{h}^{31}}{ }^{31}$
snow, frost, ice, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ven}{ }^{31}$
snow, to, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ven}^{31} \mathrm{dzan}^{55}$
snow-capped, $\mathrm{t}^{\mathrm{h}}{ }^{31} \mathrm{ven}^{31} \mathrm{mu}^{31} \mathrm{gun}^{55}$
so, $\mathrm{Pe}^{33} \mathrm{li}^{33}$
soak, $\mathrm{fu}^{35}$
soak, bubble, $a^{31} p^{\text {h }}$ um ${ }^{55}$
soak, flood, dzuin ${ }^{55} \mathrm{iur}^{31}$
soak, immerse, ? $\mathrm{dzum}^{55} \mathrm{yu}^{31}$
soak, steep (tea), $\mathrm{m}^{31} \mathrm{ts}^{\text {h }} \mathrm{om}^{44} \mathrm{~d}$ zur ${ }^{53}$
soap, perfumed, $\mathrm{i}^{31} \mathrm{ts}{ }^{55}$ (Ch.)
soap, una $^{55} \mathrm{ts}^{\mathrm{h}} 1^{31}$

soccer, $\mathrm{Ca}^{55}$ sam $^{31}$ lun ${ }^{55}$
social intercourse, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{i}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dz} 1^{55} \varepsilon^{31}$
socks, $\mathrm{uq}^{31} \mathrm{ts}{ }^{55}$ (Ch.)
soil, earth, $\mathrm{a}^{31} \mathrm{sa}^{55}$
solar eclipse, $n \varepsilon \mathrm{~m}^{31} \mathrm{dz} \mathrm{\varepsilon}^{31} \mathrm{gzi}^{55} \mathrm{zem}^{53}$
soldier, $\mathrm{iu}{ }^{31}\left(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{io}^{53}\right)$
soldier, be or become a, $\mathrm{ium}^{31} \mathrm{uq}^{33} \mathrm{se}^{33}$
sole (foot), $a^{31} \mathrm{xa}^{53} \mathrm{p}^{h} \mathrm{am}^{55}$
solid, congealed, $\mathrm{k}^{\mathrm{h}} \mathrm{an}^{55}$
solidify, $\mathrm{Py}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}{ }^{55}$
soft, nui ${ }^{55}$
soft, $\mathrm{a}^{31} \mathrm{n}_{\mathrm{a}}{ }^{31}$
solar eclipse, $\mathrm{n} \varepsilon \mathrm{m}^{31} \mathrm{~d} \varepsilon^{31} \mathrm{~g} \prod^{55} \varepsilon \mathrm{~m}^{53}$
sole of foot, $\mathrm{Pa}^{31} \mathrm{xa}^{35} \mathrm{p}^{\mathrm{h}} \mathrm{am}^{55}$
solid food, mu ${ }^{31}$ dzan ${ }^{55}$
solidify, $\mathrm{Pn}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}{ }^{55}$
some others, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{mu}^{55}$
some, a few $\left(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}\right) \mathrm{ba}^{31} \mathrm{mu}^{53}$, $\left(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}\right) \mathrm{ba}^{33}$
somebody, $\mathrm{a}^{31} t \mathrm{~s}^{\mathrm{h}} \mathrm{an}^{31}, \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{55}$
somersault, to, $\left.\mathrm{a}^{31} \mathrm{xun}^{55} \mathrm{bun}\right)^{55} \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a} \mathrm{\eta}^{31}$
sometimes, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{so}^{33}$
sometimes one way, sometimes another, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{don}^{55} \mathrm{i}^{55} \mathrm{doy}^{55}$
son-in-law, $\mathrm{ma}^{55} \mathrm{vu}^{31}$ (Lisu)
son; child, $t^{h}{ }^{\mathrm{h}} \mathrm{n}^{31}, \operatorname{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
song, folksong, $\left(\mathrm{mu}^{31} \mathrm{c} \mathrm{\varepsilon m}^{55}\right) \mathrm{tu}^{55} \mathrm{~s}^{31}$ (Lisu)
song, $\mathrm{mo}^{33}$ gua $^{33}$ (Lisu)
son's daughter, $\mathrm{p}^{\mathrm{h}} \mathrm{S}_{1}^{31} 1^{55}$
son's son, $\mathrm{p}^{\mathrm{h}} \mathrm{S}_{1}^{31} \mathrm{l}_{1}^{55}$
sons and daughters, $\mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
sooner or later, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{gu}^{55}$
soot (of a pan), $\left.\mathrm{dza}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{ni}^{31} \mathrm{hã}\right)^{55}$
soot (of a pot), $n i^{31} k^{h} u^{55} t^{h} \mathrm{ar}^{31}$
sorceress, $\mathrm{da}^{31} \mathrm{~S}_{5}{ }^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ (Lisu)
sore (leg), dzun ${ }^{33}$
sorghum, dze ${ }^{55} \sin ^{31}>$ dze $^{55} \tilde{s i n}^{31}$
sort out vegetables, $\mathrm{ba}^{31} \mathrm{si}^{31} \mathrm{u}$
soul, spirit, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{la}^{31}$
sound, $\operatorname{san}^{55}, \mathrm{xo}^{35} \mathrm{\eta um}^{33} \mathrm{san}^{55}$
sound of a sheep baaing, $\mathrm{m}^{55} \mathrm{~m}^{55} \mathrm{ua}^{33}$
sound of fluttering, $\mathrm{di}^{31} \mathrm{~S} \mathrm{~S}^{55} \mathrm{~S} 1^{55} \mathrm{u}^{31}$
sound of goat, $m \varepsilon^{55} m \varepsilon^{55} \mathrm{ua}^{31}$
sound of leaves falling, sua ${ }^{31}$ sua $^{31} \mathrm{ua}^{33} /{ }^{55}$
sound of mud or rocks falling down mountain, $\mathrm{ko}^{31} \mathrm{lo}^{31} \mathrm{ko}^{31} \mathrm{lo}^{31} \mathrm{uq}^{33}$
sound of mud flowing, $\mathrm{do}^{31} \mathrm{lo}^{31} \mathrm{do}^{31} \mathrm{lo}^{31} \mathrm{uq}^{55}$
sound of running water, $\mathrm{xuq}^{31} \mathrm{xuq}^{31} \mathrm{uq}^{55}$
sound of small gun, bo ${ }^{55}$
sound of wind or heavy sleeper, $\mathrm{Cya}^{55} \mathrm{cya}^{55} \mathrm{ua}^{33}$
sound of wind, $6 \mathrm{ya}^{55} \mathrm{Cya}^{55} \mathrm{ua}^{33}$
sound the gong, $l^{31} a^{31} n \varepsilon^{31} u^{31}$
soup, oil, $\mathrm{ca}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31}$
soup, $\mathrm{r}^{31} \mathrm{t} \widehat{s}^{\mathrm{h}} 1^{31}$
soup bowl, small, $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{hen}^{55}$
soup bowl, big, $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31} \mathrm{ta}^{55} \mathrm{u}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{am}^{53}$
soup, vegetable, $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{33} \operatorname{ts}^{\mathrm{h}} 1^{31}$
sour, $m^{31} t \epsilon^{\mathrm{h}} u \mathrm{~m}^{55}$; make sour, $\mathrm{p}^{\mathrm{h}} \mathrm{am}^{31} t \varphi^{\mathrm{h}} \mathrm{um}^{55}$
sour, $\mathrm{m}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{um}^{55}$
sour, $\mathrm{a}^{31} \mathrm{se}^{55}$
sour, suan ${ }^{55} \mathrm{ts}^{h} \mathrm{u}^{35}$
source, $\mathrm{k}^{\mathrm{h}} \mathrm{mi}^{31} \mathrm{ne}^{55}$, ne ${ }^{55}$
south, $\mathrm{tci}^{31} \mathrm{ni}_{\mathrm{i}}{ }^{55}, \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{n}_{\mathrm{i}}{ }^{55}$
south wind, $\mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ni}^{55} \mathrm{na}^{31} \mathrm{bu}^{31}$
sow; plant, $\mathrm{ba}^{31} \mathrm{yu}{ }^{55}$
sow (seeds), $\mathrm{m}^{31} \mathrm{dza}^{31}{ }^{1 \mathrm{iu}}{ }^{31}, \mathrm{ba}^{31} \tilde{\mathrm{u}}^{55}$
sow (seeds), $\mathrm{ium}^{31} \mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{53}$
sow (pig), $\mathrm{Po}^{55} \mathrm{ma}^{33}$
soy sauce, $\mathrm{tc} \mathrm{ca}^{35} \mathrm{ium}^{31}$ (Ch.)
soybean juice, $\mathrm{a}^{31} \mathrm{non}^{55} \mathrm{du}^{31} \mathrm{zu}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{q}^{31}$
soybean sprouts, $\mathrm{a}^{31} \mathrm{no}^{55} \mathrm{su}^{55}$
soybeans, $\mathrm{a}^{31} \mathrm{no}^{55}$ (= beans)
space between the fingers, $\left.a^{31} v^{35} p^{h} \mathrm{am}^{55} \mathrm{buy}\right)^{55}$
space between the toes, $\mathrm{ni}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{uan}^{31}$
spacious, roomy, $\mathrm{ua}^{55} \mathrm{gan}^{31}$
spacious, tci ${ }^{55} \mathrm{p}^{\mathrm{h}} \mathrm{i}^{55}$
span from fingertip to fingertip of out stretched arms, $\left(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}\right) \mathrm{lam}^{55}$
span from thumb to forefinger, $\mathrm{bu}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}$
span from thumb to forefinger, $m \omega^{33} \mathrm{k}^{\mathrm{h}} \cdot 1_{1}^{33}$
span, arm-, clf., $\mathrm{t}^{\mathrm{h}} \mathrm{on}^{55}$
spark, $\mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{ni}_{\mathrm{i}}{ }^{55}$
sparrow, gua ${ }^{31} \mathrm{ku}^{55}$
sparrow, k. of, buw ${ }^{31} \mathrm{ts}^{\text {h }} \mathrm{qn}^{55}$
sparrow, $\mathrm{la}^{55} \mathrm{dzl}^{33} \mathrm{so}^{55}\left(\mathrm{gua}^{31} \mathrm{ku}^{55}\right)$
sparrow, long-tailed, $\mathrm{bu}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{55}$
spatula ( $=$ pot shovel), d $\bar{\varepsilon} \varepsilon^{31} \operatorname{cin}^{55} \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55}$
speak, gen ${ }^{31}$
speak; talk, $\mathrm{t}^{\mathrm{h}}{ }^{31} \mathrm{z}_{1} \mathrm{~m}^{33}$
speak; talk, $\mathrm{t}^{\mathrm{t}} \mathrm{i}^{31} \mathrm{mu}^{55}$
speak; talk, $\mathrm{t}^{\mathrm{h}} \mathrm{im}^{35} ; \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{~S}^{55}{ }^{55}$
speak sarcastically, $\mathrm{ma}^{31} \mathrm{ma}^{31} \mathrm{di}^{55}$
spear, long, $\mathrm{mu}^{31} \mathrm{grum}^{55}>\mathrm{m}^{31} \mathrm{gur}^{55}$
special, particular, $\mathrm{ba}^{31} \mathrm{sl}^{31} ; \mathrm{a}^{31} \mathrm{bo}^{31} \tilde{\mathrm{a}}^{55}$
spells, curses, $\mathrm{mu}^{55} \mathrm{~d}_{\mathrm{g}} \mathrm{a}^{31} \mathrm{u}^{31}$
spend money, dza ${ }^{31} \mathrm{xa}^{31} \mathrm{dzom}^{31} \mathrm{~S}^{53}$
sperm, semen, ca $^{31} \mathrm{dun}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31}$
spices, $\mathrm{m}^{31} \lim ^{31}\left(\mathrm{ma}^{55}\right)$
spicy, hot, $\mathrm{si}^{55}\left(\varepsilon^{31}\right)$
spider web, $\mathrm{di}^{55} \mathrm{ba}^{35} \mathrm{t}^{\mathrm{h}} 1^{31} \mathrm{za}^{55}$
spider, $\mathrm{di}^{55} \mathrm{ba}^{35}$
spider, du ${ }^{31} \mathrm{ba}^{31} \lim ^{31}$
spider, long-legged, $\mathrm{dum}^{31} \mathrm{ba}^{31}$
spider web, $\mathrm{di}^{31} \mathrm{ba}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ban}^{55} \mathrm{t}^{31} \mathrm{zan}{ }^{55}$
spiked millet, $\mathrm{dza}_{\mathrm{a}}{ }^{31} \mathrm{ia}^{33}$
spin, ${\epsilon a^{31} \mathrm{n}^{55}}$
spin (thread, yarn), now ${ }^{55} \mathrm{yu}^{31}$
spinach, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{dzu}{ }^{55}$
spine; backbone, $\mathrm{da}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{min}^{31} \mathrm{mur}^{31} \mathrm{guy}^{55}$
spine; backbone, $d \varepsilon^{31} \operatorname{gun}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{m} \eta^{31}$
spinning wheel, $\mathrm{tc}^{\mathrm{h}} \varepsilon^{35} 1 \varepsilon^{31}$
spiral, circle around, $\mathrm{xua}^{31} \mathrm{u}^{55}$
spiral, circle, wheel, $x^{31}{ }^{31} u^{55}>$ xuan $^{53}$
spirit; god; deity, gur $^{31} \mathrm{mu}^{55}$
spirit, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ ion ${ }^{53}$
spit; saliva, $\mathrm{ts}^{\mathrm{h}} \mathrm{q}^{55}$
spit (water), to, $\mathrm{p}^{\mathrm{h}} \mathrm{I}^{31}$
spit, $\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{55}>\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{33}$
spit, to, dza ${ }^{55} \mathrm{xan}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{S}^{31} \mathrm{u}^{31}$
spittoon, $\mathrm{ts}^{\mathrm{h}} \mathrm{p}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{S} 1^{31} \mathrm{~d}^{5} \mathrm{~m}^{55}$
splash, $\mathrm{zam}^{53} \mathrm{u}^{31}$, sam $^{55} \mathrm{u}^{31}$
spleen, $\mathrm{r}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ven}^{55}, \mathrm{Po}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{v} \mathrm{\varepsilon} \mathrm{n}^{55}$
split (bamboo pole), $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{Yo}^{55}$
split (bamboo strips), $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{\gamma a}^{31} \mathrm{o}^{31}$
split firewood, $\mathrm{a}^{31} \mathrm{t} \mathrm{ci}^{33}$
split in two (e.g., bamboo strips), $\mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{m}^{53}$
split open (wall), $1 \mathrm{~g} \tilde{a}^{55} \mathrm{~d} \boldsymbol{z}^{2} \tilde{\varepsilon}^{3}, \mathrm{dzi}^{55} \varepsilon^{31}$ (fissure)
split open, $a^{31} t^{h}{ }^{\text {h }}{ }^{33} u^{33}$
split open, rend, $\mathfrak{y}^{31}$ ban $^{31}$ dzil $^{55}$
split, burst, $\mathrm{t}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{da}^{55}$
split, chop, $\mathrm{sa}^{31} \mathrm{mo}^{31}$
split, chop, $3 \mathrm{a}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{53} \mathrm{i}^{33} ; \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{35}$
split, divide, $\mathrm{a}^{31} \mathrm{n}_{\mathrm{i}}{ }^{55} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31}$
spoiled (rice), $\mathrm{su}^{31} \mathrm{i} \varepsilon^{35}$
sponge iron, $\mathrm{ca}^{31} \mathrm{k}^{\mathrm{h} \tilde{\varepsilon}}{ }^{55} \mathrm{~d} \mathrm{qim}^{31}$
spoon, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{ay}^{55}, \mathrm{a}^{31} \mathrm{pan}^{55}$
spoon, wooden, $\mathrm{mu}^{55} \mathrm{~d}_{\mathrm{l}} \mathrm{im}^{31}$
spray (liquid), $\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31}$
sprinkle, fall down, ba? ${ }^{31} \tilde{\mathrm{u}}^{55}$
sprout (ear of grain), $\mathrm{n}^{31} \mathrm{n}^{2} \mathrm{~m}^{55} \mathrm{a}^{31} \mathrm{lin}^{55}$
spread; unfold, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{u}^{31}$
spread (paint), $a^{31} ? \eta \varepsilon^{35}$
spread out (grain), $\mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{53}$
spread; extend; unfold, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} 1 \mathrm{u}^{55}$
spread, to, $\mathrm{k}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{u}^{31}$
spring water, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ya}^{35} \mathrm{bo}^{55} \mathrm{t}^{\mathrm{h}} 1^{31}$
spring, hot, $\mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{lim}^{55} \mathrm{ruq}^{31}$
sprinkle, $\left(\mathrm{a}^{31} \mathrm{ga}^{55} \mathrm{~d} \mathrm{zi}^{31} \varepsilon^{33}\right) \mathrm{k}^{h \tilde{a}^{31} \mathrm{u}^{31}}$
sprinkle, fall down, $\mathrm{ba}^{31} \tilde{\mathrm{u}}^{55}$
sprout, germinate, $\operatorname{la\eta }{ }^{55} \mathrm{a}^{31} \mathrm{nu}^{31}$
sprout, germinate, $\mathrm{la}^{31} \mathrm{su}^{31} \mathrm{im}^{31}$
sprout, germinate, $\mathrm{a}^{31} \mathrm{man}^{55} ; \mathrm{man}^{31}$
spurt, $a^{31} t^{h} u^{31} u^{31}$
square (desk, table), $\mathrm{b}_{1}{ }^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55}$
squat, tso ${ }^{55}$ tso ${ }^{33}$ nuy ${ }^{53}$, go $^{55} \mathrm{no}^{33} \mathrm{li}^{33}$
squat, tso ${ }^{55} \mathrm{tso}^{33} \mathrm{no}^{33}$
squeeze in, $\mathrm{bu}^{31} \mathrm{lin}^{55} \mathrm{bu}^{31}$
squeeze out, $\mathrm{do}^{31} \mathrm{a}^{31} \mathrm{n}_{\mathrm{n}} \mathrm{n}^{55}$
squeeze, to, ${? a^{31}}^{d} z a^{31} u$
squeeze, to, $\mathrm{a}^{31} \mathrm{do}^{31}$
squid, nua ${ }^{35}$
squint, tt ${ }^{h} \mathrm{w}^{55} \mathrm{mu}^{35}$
squirrel, ground; suslik, $\mathrm{k}^{\mathrm{h}} \mathrm{ua}^{31} \mathrm{Iam}^{55}$
squirrel, $\mathrm{ts}^{\mathrm{h}} \mathrm{1}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55}, \operatorname{tca}^{55} \mathrm{xom}^{31} / \mathrm{tca}^{55} \mathrm{xom}^{31}, \mathrm{tca}^{55} \mathrm{xom}^{33} \mathrm{tca}^{55} \mathrm{xom}^{33} / \mathrm{t} \mathrm{fa}^{55} \mathrm{xom}^{33}$
stab, pierce, $\mathrm{ba}^{31} \mathrm{xu}^{55} \mathrm{ian}^{55} \mathrm{u}^{31}$
stable (for horses), $\mathrm{mã}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{am}^{55} \mathrm{zu}^{55}$
stable (for horses), $\mathrm{ma}^{31} \mathrm{~d} \mathrm{qa}^{31} \mathrm{xam}^{35}$
staircase, ladder to roof, $\mathrm{go}^{33} \mathrm{z} / \mathrm{Ia}^{55}$
stairs (wooden), $\mathrm{go}^{33} \mathrm{za}^{55}$
stairs (stone steps), $\mathrm{lum}^{55} \mathrm{o}^{33} \mathrm{za}^{55}$
stalk, stem, $\mathrm{n}^{31}$ dzun ${ }^{55}$
stallion, $\mathrm{ma}^{31} \mathrm{gu}^{55}$
stammerer; stutterer, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{a}^{31} \mathrm{dan}^{31}$
stamp, a, $\mathrm{im}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{iau}^{35}$
stamp, a seal, buin ${ }^{31} \mathrm{a}^{31} \mathrm{~d} \not \mathrm{q}^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
stamp (one's foot), $\mathrm{Pa}^{31} \mathrm{dim}^{53}$
stand, som $^{31}$ S1 ${ }^{55}$, zom $^{55}$
stand on ceremony, $¢ a)^{55} \mathrm{~S} 1^{31}$
stand up, $\left.\mathrm{d} \varepsilon^{31} \mathrm{dan}^{31} \mathrm{som}^{31} \mathrm{~s}\right)^{55}$
stand; rest, $\mathrm{s}^{31} \mathrm{zom}^{31}\left(\mathrm{~s}^{55}\right)$
stand; rise, $\mathrm{tc}^{\mathrm{h}} \mathrm{in}^{31} \mathrm{n}^{31} \mathrm{w}^{55}$
star, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{n}_{\mathrm{i}}{ }^{55}$
starch, $\mathrm{s}^{55}{ }^{51} \mathrm{lay}^{31}$
stare, $\mathrm{d} \not \varepsilon^{31}{ }^{31} \operatorname{lin}^{55}$
start, to, $\mathrm{xua}^{55} \mathrm{di}^{33} \mathrm{dzan}^{31} \mathrm{u}^{31}$
start a rumor, $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{55} \varepsilon^{33}$
start or drive a car, $\mathrm{sl}^{55} \mathrm{ni}^{33} \mathrm{yo}^{31}$
start on a journey, $\operatorname{tc}^{\mathrm{h}} \mathrm{in}^{31} \mathrm{cu}^{35} \varepsilon^{31}$
start serving a banquet, $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \mathrm{t}_{\mathrm{d}}^{\mathrm{h}} 1^{31} \mathrm{dum}^{53} \mathrm{u}^{31}$
startle, disturb, $\mathrm{t}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{n} \varepsilon \mathrm{n}^{53}$
state, public side, $\mathrm{a}^{31} \mathrm{dan}^{55} \mathrm{ba}^{33}$
stationary, $\mathrm{a}^{31} \mathrm{u}^{53} \mathrm{~d}_{\mathrm{m}} \mathrm{m}^{55} \mathrm{sl}^{53} \mathrm{va}^{31}$
stative ('Hold this!'), ni ${ }^{33}$
stative particle, $\varepsilon^{31}$
stay at inn = sleep, nim ${ }^{55}$
stay, no ${ }^{33}$, no ${ }^{31} \mathrm{i}^{2} \mathrm{n}^{55}$ (overnight)
steady, reliable, duy ${ }^{55} \mathrm{dum}{ }^{55}>\mathrm{d} \varepsilon^{31} \mathrm{dury}^{55}$
steal (money), $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{33}$
steam (bun), $\mathrm{s}^{31} \mathrm{mul}^{31}$
steam-cage, $2 \mathrm{be} \varepsilon^{31} \mathrm{ni}_{\mathrm{i}}{ }^{55}$
steam, water vapor, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{35} \mathrm{san}^{55}$
steamboat, $\mathrm{ts}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{31}$ (Burmese)
steamed buckwheat, $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{ua}^{55} \mathrm{lan}{ }^{55}$
steamed bun, $\mathrm{Ca}^{31} \mathrm{Ja}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55}$
steamed stuffed bun, pau ${ }^{55} \mathrm{ts} 1^{33}$ (Ch.)
steamer for food, $2 b \varepsilon^{31} n_{i} i^{55}\left(p^{h} u^{31} l u^{31} d \varepsilon m^{55}\right)$
steel for flint, $\mathrm{xo}^{31} \mathrm{bi}^{31}$
steel, $\mathrm{ca}^{31} \mathrm{k}^{\mathrm{h}} \tilde{\varepsilon}^{55} \mathrm{gam}^{55}$
steel making, $\mathrm{sa}^{31} \mathrm{k}^{\mathrm{h}} \tilde{\mathrm{a}}^{55} \mathrm{di}^{31} \mathrm{~g} \mathrm{I}^{31}$
steelyard sliding weights, ng $\varepsilon^{31} \mathrm{~d}_{\mathrm{m}}{ }^{55}{ }^{2} \mathrm{qu}^{55}$
steelyard weight marks, $\eta^{21} \varepsilon^{31} \mathrm{ni}^{55}{ }^{5} \mathrm{lu}^{55}$
steelyard, large, $\mathrm{ni}^{53} \mathrm{~d}_{\mathrm{m}}{ }^{55} \mathrm{uq}^{55} \mathrm{du} \eta^{31}$
steelyard, $\mathrm{ni}^{31}{ }^{31} \mathrm{~d}^{2} \mathrm{~m}^{55}$
steelyard, small, $\mathrm{nj}^{53}{\mathrm{~d} \varepsilon \mathrm{~m}^{55}} \mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
steep, $\mathrm{da}^{31} \mathrm{tc}^{\mathrm{h}} \tilde{\varepsilon}^{31} ; \mathrm{da}^{31} \mathrm{tc}^{\mathrm{h}} \tilde{\varepsilon}^{31}{ }^{31}$
step on, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ Sun ${ }^{55}$
step on, trample, cuun ${ }^{53}$
step over, across, $\epsilon^{55} \mathrm{~Pb}^{5} \mathrm{mu}^{35}, \mathrm{ca}^{55} \mathrm{P}$ b.uun ${ }^{35}$
steps, flight of, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{za}^{55} \mathrm{gam}^{55}$
stern, $\left.a^{31} \mathrm{sum}^{31} \mathrm{ni}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{u}\right)^{55}$
stepfather, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
stepmother (both terms), $\mathrm{Pa}^{31} \mathrm{mux}^{31}$
steps (flight of), $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{za}^{55} \mathrm{gam}^{55}$
stern (boat); rudder, $\left.\mathrm{a}^{31} \mathrm{sul}^{31} \mathrm{ni}_{\mathrm{i}}{ }^{55} \mathrm{t} \mathrm{J}^{\mathrm{h}} \mathrm{u}\right)^{55}$
stew (congee), $\mathrm{k}^{\mathrm{h}} \mathrm{in}^{53}$
stew, to, $\mathrm{sa}^{31} \mathrm{ko}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{in}^{53}$
stick down (envelope), $\mathrm{Pa}^{31} \mathrm{ga}^{53}$
stick out tongue, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} 1 \varepsilon^{31} \mathrm{t} \mathrm{c}^{\mathrm{h}} \mathrm{un}^{55} \mathrm{~s}^{31}$
stick, $\left.\mathrm{a}, \mathrm{da}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{u}\right)^{31}$
stick, to, $a^{31} \mathrm{man}^{55} \mathrm{u}^{55}$
sticks, poles, guns, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55}$
sticky, glutinous, $\mathrm{Pa}^{31} \mathrm{ga}^{53}$
stiff or numb (freeze), dum ${ }^{53} u^{31}$
still, ts $^{\mathrm{h}}{ }^{31}$
sting (bee), to, ma $\tilde{a}^{33} \tilde{\mathrm{a}}^{55}$
sting, to, $\left.\mathrm{bu}^{31} \mathrm{bu}^{31} l \mathrm{w}\right)^{55}$
sting (bee), $\mathrm{sl}^{31} \mathrm{la}^{55}$
stop (of rain), $\mathrm{nem}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{T}^{55}$
stir-fried noodles, $\mathrm{d}^{31} \mathrm{bo}^{55} \mathrm{ua}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31}$
stir-fry (vegetables), $\mathrm{p}^{\mathrm{h}} \mathrm{an}^{31} \tilde{\mathrm{u}}^{31}$
stir-fry $=$ cook, $\mathrm{k}^{\mathrm{h}} \mathrm{in}^{53}$
stir, mix, $\mathrm{a}^{31} \mathrm{man}^{53}$
stirrups, $\mathrm{a}^{31} \mathrm{xa}^{35} \mathrm{cul}^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
stock (bow), $\mathrm{k}^{\mathrm{h}} \mathrm{ug}^{55}$
stomach, nu ${ }^{31} \mathrm{pom}^{55}$
stomach, abdomen, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{i} \varepsilon \mathrm{n}^{31}$
stomach, belly, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{53} ; \mathrm{p}^{\mathrm{h}} \mathrm{a}^{33} \mathrm{dzim}^{55}$
stone, rock, $\left(\mathrm{n}^{31}\right) \mathrm{lun}^{55}, \mathrm{Po}^{31}$ lun ${ }^{55}$
stone mortar, $\mathrm{dza} \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}$
stone steps, luy ${ }^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{za}^{55} \mathrm{gam}^{55}$
stool and bench, tccen ${ }^{55} \mathrm{tsum}^{31}>\mathrm{tcc}^{55} \mathrm{tsu}^{31}$ (Lisu)
stoop, to, $\mathrm{t}_{6}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{gup}^{55}$
stop breathing (die), $s a \rrbracket^{55} \mathrm{~d}^{51}{ }^{55}$
stop the flow of water, $\left.\mathrm{t}_{6}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ra}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{d}\right)^{31}$
stop the flow of water, $\left.\mathrm{ba}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{u}\right)^{31}$
stop (wind), $\mathrm{di}^{31} \mathrm{ga}^{55}, \mathrm{ga}^{55} \mathrm{na}^{33}$
stop up (hole), $\left.a^{31} d a\right)^{31} u^{31}, t^{h} \alpha 1^{31} u^{31}$
stop; suspend, $\mathrm{dzq} \mathrm{n}^{55} \mathrm{dz} \mathrm{z}^{31} \varepsilon^{33}, \mathrm{di}^{31} \mathrm{nan}^{55}$
stop, to, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{33} \mathrm{o}^{33}$
stop, call off, $\mathrm{dzqn}^{55} \mathrm{~d}_{\mathrm{z}} \mathrm{i}^{31} \varepsilon^{33}$
stop, call off, $\mathrm{di}^{31}{ }^{10} \mathrm{na}^{55}$
store (grain), $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{35}$
storehouse, $\mathrm{mu}^{31} \mathrm{dza}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$
storey, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{55}$
storey, $\mathrm{ci}^{31}{ }^{1} \mathrm{im}^{33}$
storey (building), $\mathrm{la}^{31} \mathrm{bu}^{55}$
story, tale, $\mathrm{mur}^{31} \mathrm{~s} \mathrm{n}^{55}$
stove; kitchen, $\mathrm{lo}^{35} \mathrm{tso}^{31}$ (Ch.)
stove; kitchen, $\mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{55} \mathrm{dom}^{31}$
stove, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{i} \varepsilon^{31}$
straddle, $\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{Sl}^{31}$
straddle, $\mathrm{ca}^{55} \mathrm{bun}{ }^{31}$
straight, $t 6^{\mathrm{h}} u \eta^{35}, \mathrm{tc}^{\mathrm{h}} \mathrm{u}{ }^{53}, \mathrm{tc}^{\mathrm{h}} \mathrm{u} \eta^{31}$
straight, $\mathrm{dzu}{ }^{55} \mathrm{~d} \mathrm{zu}^{31}$
straight, $\mathrm{d}^{31} \mathrm{dan}^{31}$
straight, upright, $\left.t \epsilon^{\mathrm{h}} \mathrm{u}\right)^{35} \mathrm{tc}^{\mathrm{h}} u \eta^{31}$
straightforward, honest, frank, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{duq}^{55}$
straighten collar, $\mathrm{fu}^{31} \mathrm{lu}^{35}$
strain away liquid, $\mathrm{di}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$
strain away solid, $\mathrm{a}^{31} \mathrm{iw}{ }^{55} \mathrm{~d} \mathrm{z}_{\boldsymbol{\varepsilon}} \tilde{\varepsilon}^{31}$
strain; filter (by dripping), $\mathrm{a}^{31} \mathrm{i} \mathrm{im}^{55} \mathrm{~d} z \tilde{\varepsilon}^{31}$
strainer, colander, $\mathrm{ni}^{31} \mathrm{Su}^{31}$
strand, $\operatorname{san}^{55} \mathrm{a}^{31}$
strange, $\mathrm{an}^{55} \mathrm{ga}^{31} \varepsilon^{31}$
strange, odd, $\mathrm{aq}^{55} \mathrm{ga}^{31} \mathrm{u}^{31}$
stranger, $m^{31} \mathrm{so}^{55} \mathrm{mu}{ }^{55} \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31}$
strangle, $a^{31} x^{2} \eta^{55} \mathrm{mi}^{53} \mathrm{du}^{31} \mathrm{tc}^{\mathrm{h}} w \eta^{55}$
strap (for carrying a baby), $\mathrm{bu}^{31} \mathrm{lu}^{31}$
strap (for carrying a baby), $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{53}$
straw, cin $^{33} \mathrm{ga}^{55}$
straw bundles, $\tilde{\mathrm{a}}^{55}$
straw hat, $\mathrm{sa}^{31} \mathrm{ko}^{55}$
straw, rice, $\mathrm{dzq}^{31} \mathrm{ia}^{33} \mathrm{la}^{55}$
straw sandals, $\mathrm{s} 1^{55} \mathrm{pi}^{55} \mathrm{ts}^{\mathrm{h}} 1^{33} \mathrm{nd}^{33}$
street, $\mathrm{dza}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31}$
streetcar stop, $\mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{di}^{31} \mathrm{gan}^{55} \mathrm{za}^{55}$
strength, $\mathrm{fa}^{33} \mathrm{za}^{55}$
strength, $\operatorname{san}^{55}\left(\mathrm{a}^{31} \mathrm{da}^{55} \varepsilon^{31}\right)$
stretch back, $\mathrm{Pi}^{55} \mathrm{zan}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dzu} \mathrm{u}^{33} \mathrm{~S}^{31}$
stretch (when yawning), $\mathrm{li}^{31} \mathrm{~d} \not \mathrm{u} \mathrm{u}^{55}$
stretch downward, to, $\mathrm{i}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{~d} \not \mathrm{u}^{33} \mathrm{~S} 1^{31}$
stretch forward, $\mathrm{ma}^{55} \mathrm{Su}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{~d} \mathrm{pu}^{33} \mathrm{~S} 1^{31}$, dzu $\mathrm{u}^{33}$
stetch (hand), S1n ${ }^{55}$
stretch out, stick out, $\mathrm{dzu}^{55} \mathrm{~S}^{31}$
stretch out hand, dzu ${ }^{31}$ iun ${ }^{55}$
stride forward, $a^{31} t s^{h} a^{55}\left(S^{31}\right)$
strike (match), $\mathrm{a}^{31} n \varepsilon^{31} \mathrm{u}^{55}$
strike (table), $\mathrm{a}^{31} n \varepsilon^{31} u^{31}$
strike, knock, yam ${ }^{53}$
strike, hit, $\mathrm{bi}^{31} \mathrm{ti}^{55}$, $\operatorname{van}^{35}$
strike, hit, attack, $\mathrm{bi}^{31} \mathrm{ti}^{55}$
string, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{31} \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55}$
string button (bow), $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55} \mathrm{pul}^{55}$
string (of beads), $\left(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}\right) \mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \lim ^{55}$
string instrument, hir ${ }^{55}$ hã ${ }^{31}$ buin ${ }^{55}$
stringed instrument, $\mathrm{hin}^{55} \mathrm{ha} \tilde{\mathrm{a}}^{31}$
strip desk, $\mathrm{t}_{6} \varepsilon^{55} \mathrm{tsum}^{31} \mathrm{tso}^{31} \mathrm{ts}^{55}$
stroll, walk, $\mathrm{a}^{31} \mathrm{vu}^{33} \mathrm{Pd} 7 \varepsilon^{35}$
strong (very), $\operatorname{san}^{55} a^{31} d a^{55} \varepsilon^{31}, t^{h} a^{33}$
strong, durable, do ${ }^{55} \varepsilon^{31}$
strong, durable, $\mathrm{t}^{\mathrm{h}} \mathrm{om}^{55}$
strong, say ${ }^{55} a^{31} d a P^{55}$
strong, $\mathrm{z} 1^{31} \mathrm{gum}^{31} \mathrm{~s}^{31} \mathrm{la}^{55} \varepsilon^{31}$
struck by lightning, $\mathrm{mo}^{55} \mathrm{Xa}^{55} \mathrm{la}^{55} \mathrm{Pda}^{35} \mathrm{ni}^{33}$
stubborn, $\mathrm{y}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{om}^{53} \mathrm{dun}^{53} \mathrm{na}^{31} \mathrm{lin}^{31}$
stuck, cause to be, $\mathrm{si}^{31} \mathrm{ga}^{55}$ (older speakers) $>\mathrm{ga}^{55} / \mathrm{ka}^{55}$ (younger speakers)
student; pupil, t ${ }^{\mathrm{h}} \mathrm{\varepsilon n}^{33} \mathrm{su}^{55}$
study, learn, $\mathrm{tc}^{\mathrm{h}} \mathrm{En}^{31}$, cye $^{31} \mathrm{Ci}^{31}$ (Ch.)
study, to, $\mathrm{s}^{31} \mathrm{zul}^{31} \mathrm{u}^{31}$
stuff; stop up, $\operatorname{cu}^{31}{ }^{53} \mathrm{i}^{31} ; \mathrm{cye}^{31} \mathrm{ci}^{31}$
stuffy, (nim ${ }^{31} \mathrm{dum}^{53}$ ) $\mathrm{p}^{\mathrm{h}} \mathrm{am}^{35}$
stumble, $\mathrm{a}^{31} \mathrm{xum}^{31} \mathrm{lam}^{55}$
stump, pole, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{zuIn}^{55}, \mathrm{xam}^{55} \mathrm{gua}^{31}$
stupid, dumb, $n_{0}{ }^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{55}$
stupid and ignorant, $\eta^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{U}^{55} \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31}$
stutterer, stammer, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{a}^{31} \mathrm{dan}^{31}$
subdue, to, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{mu}^{31} \mathrm{~Pa}^{31} \mathrm{na}^{31} \mathrm{u}^{31}$
submerge, to, $\mathrm{t} 6^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ya}^{55} \mathrm{dur}^{55} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{o}^{31} / \mathrm{ts}^{\mathrm{h}} \mathrm{o}^{31}$
subtract, to, $\mathrm{ba}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
subtract, to, lu ${ }^{31}$
substitute, cf. take place of, $\left.10^{55} \mathrm{dzu}\right)^{3}$
suceed, $\mathrm{da}^{53}$
succeed, $a^{31} d^{31} \varepsilon^{33} ; a^{55} \mathrm{du}^{31}\left\{\mathrm{~d} \not \mathrm{q} \varepsilon^{35}\right.$
success, dzo ${ }^{31}$
such a, what a, $\mathrm{i} \varepsilon^{55} \mathrm{dan}{ }^{55}$
suck (milk), t t ${ }^{\text {h }}{ }^{\text {im }}{ }^{55} \varepsilon^{31}$
suck in nose mucus, $\mathrm{nim}^{55} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{im}^{53}$
suck one's fingers, to, $\mathrm{tc}^{\mathrm{h}} \mathrm{im} \mathrm{P}^{55} \varepsilon^{31}$
suck, to, san ${ }^{55} \mathrm{f}^{\mathrm{h}} \mathrm{i}^{33} \mathrm{mu}^{55}$
suckle, nurse, $\mathrm{a}^{31} \mathrm{t}{ }^{\mathrm{h}} \mathrm{u}^{55} \mathrm{dza}{ }^{55} \varepsilon \mathrm{~m}^{55}$
sudden shower with the sun shining, $\mathrm{xa}^{55} \mathrm{dzo}^{31}$
suddenly, abruptly, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$ sua $^{31} \mathrm{li}^{55}$
suddenly, $\mathrm{t}^{\text {h }} \mathrm{i}^{33} \mathrm{dam}^{55} \mathrm{di}^{33}$
sue, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{55}$
suffer losses in business, $\mathrm{r}^{31} \mathrm{dzan}^{55}$
sugar, crystal, $\operatorname{pin}^{55} \mathrm{t}^{\text {ha }}{ }^{31}$ (Ch.)
sugar, $\mathrm{k}^{\mathrm{h}} \mathrm{ua}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{i}^{31}$
sugar, $6 y a^{55} \mathrm{~d} \not \varepsilon^{31}$
sugar, white, $c y a^{55} \mathrm{~d} z \varepsilon^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}{ }^{55}$ (Lisu)
sugar, white, $\mathrm{p} \varepsilon^{31} \mathrm{t}^{\mathrm{h}} \tilde{\mathrm{a}}^{31}$ (Ch.)
sugarcane (liquid), $\mathrm{ma}^{55} t s^{\mathrm{h}} 1^{55} ; \mathrm{ma}^{55} t \mathrm{~s}^{\mathrm{h}} १^{55} t \widehat{s}^{\mathrm{h}} 1^{31}$
suitable, appropriate, $\mathrm{a}^{31} \mathrm{du}^{31} \varepsilon^{55}, \mathrm{a}^{31} \mathrm{du}^{33}$
suitcase, $\varphi^{55} \mathrm{sam}^{31} \mathrm{ka}^{35} \mathrm{i}$
summer, $\mathrm{a}^{31} \mathrm{ke}^{55} \mathrm{dum}^{31} \mathrm{gam}^{53}$
summer (hot weather), $\mathrm{mul}^{31} /{ }^{33} \mathrm{zu}^{31}$
summon, guiy ${ }^{55} \mathrm{u}^{31} \mathrm{io}^{35}$
sun (clothes), lam $^{55}$
sun comes out, ts $\varepsilon^{\mathrm{h}} \varepsilon^{53}$ (cf. rises)
sun, $n \varepsilon \mathrm{~m}^{31}$
sunbathe, lim ${ }^{55}$
Sunday, $\mathrm{di}^{31} \mathrm{yan}^{55} \mathrm{ni}^{33}$
sunflower, $\mathrm{o}^{55} \mathrm{ba}^{35} ; \mathrm{o}^{55} \mathrm{ba}^{53}$ (Lisu)
sunken, dented, cuir ${ }^{55} \mathrm{~d}_{\mathrm{l}}{ }^{31} \varepsilon^{55}, \mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{31}{ }^{\mathrm{Jon}}{ }^{31}$
sunlight, nem ${ }^{55}$
sunlight, sunshine, $n \varepsilon m^{31} \mathrm{bun}^{55}$
sunrise, $n \varepsilon m^{31} \mathrm{ts}^{\mathrm{h}} \varepsilon^{53} \varepsilon^{31} \mathrm{ni}^{33} ; n \varepsilon \mathrm{~m}^{31} \mathrm{ts}^{\mathrm{h}} \varepsilon^{53} \mathrm{ni}^{33}$
sunset, du ${ }^{55} \mathrm{zom}^{31}$
supplicative (sup), $\mathrm{la}^{55}$, $\mathrm{lie}^{31}$
suppress, repress, $\mathrm{xam}^{55} \mathrm{dza}{ }^{31}$
surface of water, $t^{h} a^{31} \mathrm{ya}^{53} t^{\mathrm{h}} \mathrm{an}^{53}$
supper; dinner, $a^{31} \leq 1^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{p}^{1 \mathrm{r}^{31}}$
support somebody, san ${ }^{53}$
support with hand, $1 a^{55} \mathrm{k}^{\mathrm{h}} \mathrm{un}^{31}$
support, raise, $\left.\mathrm{di}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{31} \mathrm{li}^{33} \mathrm{~Pa}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}\right)^{33}$
surname; be surnamed, ts $^{\mathrm{h}}{ }^{55}$
surpass, exceed, $\mathrm{n}^{31} \mathrm{dzan}^{55}, \mathrm{li}^{53} \mathrm{ba}^{33}$
surrender, to, $\mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{i}^{55}$
surrender, to, $\mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{sa}^{55}$
surround, tco ${ }^{55}$
surround, $\mathrm{tcos}^{55} \mathrm{ni}^{33} \mathrm{ua}^{31} \mathrm{ba}^{55} \mathrm{t} \mathrm{So}^{55} \mathrm{Zq}^{44}$
surround, $\mathrm{tcu}{ }^{55} \mathrm{ni}^{33} \mathrm{ua}^{31} \mathrm{~d} 7 \mathrm{u}^{55}$
suspension bridge, $\mathrm{a}^{31} \mathrm{t}_{6}{ }^{\mathrm{h}} \mathrm{u}^{55} \mathrm{go}^{31} \mathrm{za}^{55}$
swallow (bird), $\mathrm{ma}^{55} \mathrm{da}^{31} \mathrm{frl}_{1}^{55}$
swallow, to, $\left(\mathrm{go}^{55}\right) \mathrm{may}^{53} \mathrm{u}^{31}$
swallow (dry), to, $\mathrm{f}^{33}$
swamp, dzi ${ }^{55} \mathrm{~d}_{\mathrm{p}} \mathrm{am}^{31}$
swan, ? $^{55}$
swat a fly, $\mathrm{ba}^{31} \operatorname{som}^{55} \mathrm{a}^{31} \mathrm{n}_{\mathrm{p}} \varepsilon^{31}$
sway, swing, $\mathrm{a}^{31} \tilde{\varepsilon}^{55} \mathrm{~S} 1^{31}$
sway, not steady, $\mathrm{a}^{31} \mathrm{n}_{\mathrm{n}} \varepsilon \mathrm{m}^{55}$
sway, to, $\mathrm{a}^{31} \tilde{\varepsilon}^{55} \mathrm{~S} 1^{31}, \mathrm{a}^{31} \mathrm{gi}^{31} \mathrm{Ii}^{33}$ (rock)
swear, curse (at people), $\mathrm{na}^{55} \varepsilon^{31}$
sweat, perspire, in $^{55} \mathrm{in}^{55} \mathrm{n} \varepsilon^{31}$
sweat ( n .) (v.), in ${ }^{55}$
sweater, woolen, $\mathrm{a}^{31} \mathrm{be}^{55} \mathrm{~min}^{55} \mathrm{ga}^{31} \mathrm{mu}^{31}$
sweep floor, $\mathrm{di}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{in}^{31} \mathrm{u}^{31}, \mathrm{t}^{\mathrm{h}} \tilde{\varepsilon}^{31} \mathrm{u}^{31}$
sweep the grave, to, $\mathrm{da}^{31} \mathrm{gam}^{31} \mathrm{~d}_{\mathrm{Za}} \mathrm{a}^{53} \mathrm{u}^{31}$
sweep the chimney, $\mathrm{a}^{31} \mathrm{go}^{31} \mathrm{lun}^{55}$
sweet, $\mathrm{k}^{\mathrm{h}} .1^{53}$
swell (tissue), gan $^{55}>\mathrm{gan}^{33}$
swill; pig feed, $\mathrm{Po}^{55} \mathrm{dza}^{33}$
swim, to, $\operatorname{la}{ }^{31}>$ Ia $^{31}$
swimming bladder, $\mathrm{nua}^{55} \mathrm{da}^{33} \mathrm{ba}^{55}$
swollen, gan ${ }^{55}$
swing, $a$, bu $^{55}{ }^{31}{ }^{31}$
swing, sway, $a^{31} t G^{\mathrm{h}} u \eta^{55}$
swing, to, bur ${ }^{55} \mathrm{la}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u} \eta^{31} \mathrm{~S}^{31}$
swing-to-and-fro, $n \varepsilon^{55} \mathrm{~m} \varepsilon^{31} \mathrm{n} \varepsilon^{55}$
syphilis, gam $^{31} \operatorname{lun}^{31}$
system, $\mathrm{va}^{31} /{ }^{35}$
table leg, $\mathrm{tc} \mathrm{\varepsilon} \varepsilon^{55} \mathrm{tsu}^{31} \mathrm{a}^{31} \mathrm{xa}^{35}, \mathrm{tss}^{31} \mathrm{ts}^{55} \mathrm{a}^{31} \mathrm{xa}^{35}$
table, desk, sa ${ }^{31} \mathrm{la}^{55}$ (Lisu)
table, $\mathrm{tcc}{ }^{55} \mathrm{ts}^{31}{ }^{31}$; $-\mathrm{tc} \mathrm{a}^{55} \mathrm{tsu}^{55} ; \mathrm{tca}^{55} \mathrm{ts} / / \mathrm{um}^{31}$-; $\mathrm{tc} \mathrm{\varepsilon}{ }^{55} \mathrm{tsu}^{31}-$
tablet; pill, $n \varepsilon^{55}$ ts $^{\text {h }} 1^{31} \operatorname{lan}^{55}$ (Lisu)
taboo, $\mathrm{m}^{31} \mathrm{gam}^{55}$
tadpole, $\mathrm{na}^{33} \mathrm{ga}^{55} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
tael $=50$ grams, measure word, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} l \mathrm{l}^{55}$
taels of liquor, two, $\left.\mathrm{a}^{31} \mathrm{n}_{\mathrm{i}} \mathrm{i}^{55} \mathrm{lu}\right)^{55} \mathrm{num}^{31}$
tail, bird, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ni}^{33} \mathrm{t}^{\mathrm{h}}{ }^{\mathrm{h}} \mathrm{u}^{55}$
tail, fish, nua $^{33} \mathrm{ni}^{33}{ }^{33} \mathrm{t}^{\mathrm{h}} \mathrm{u} \eta^{55}$
tail, horse, $\mathrm{ma}^{31} \mathrm{ni}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{u} \eta^{55}$
tail, $n_{i} i^{31} /{ }^{33} t^{\mathrm{h}} \mathrm{u}^{55}, \mathrm{n}^{31} \mathrm{n}_{\mathrm{i}} \mathrm{i}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{u} \eta^{55}$
tailor; dressmaker, $\mathrm{ga}^{31} \mathrm{mu}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{su}^{55}$
take a beating, $a^{31} n e^{35} t^{h} \mathrm{am}^{53}$
take a ferry, $\mathrm{a}^{31} \mathrm{sux}^{31} \mathrm{dzan}^{55} \mathrm{~S}^{31}$
take a husband, $\mathrm{di}^{31} \mathrm{t} \mathrm{c}_{\mathrm{u}}{ }^{55} \tilde{\mathrm{u}}^{31}$
take a husband, $s^{31}{ }^{1} \tilde{a}^{35}$
take a picture, $\mathrm{d}_{\mathrm{z}} \mathrm{i}^{31} \mathrm{a}^{31} \mathrm{~d} \mathrm{q}_{\mathrm{a}} \mathrm{a}^{55} \mathrm{u}^{31}$
take a step, $\mathrm{ca}^{55} \mathrm{ban}^{35}$
take a test, $\mathrm{k}^{\mathrm{h}} \mathrm{au}^{55} \mathrm{St}^{55}$
take a wife, $\mathrm{d}_{\mathrm{p}} \mathrm{o}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{ur}^{31} \mathrm{ma}^{55} \mathrm{uq}^{31} \mathrm{~s} 1^{31}$
take an oath, $\mathrm{m}^{31} \mathrm{dzan}^{55} \varepsilon^{31}>\mathrm{m}^{31} \mathrm{~d} \mathrm{q}^{31} \mathrm{u}$
take apart (cloth), open, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{55^{5}} \mathrm{yu}^{31}$
take apart, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{~d} \mathrm{q}^{55} \mathrm{~S} 1^{31}$
take away, $\mathrm{Pa}^{55} \mathrm{a}^{31}$ bo $^{33}$
take care of; be careful, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{dan}^{55} \mathrm{~s} 1^{31}$
take care of; be careful, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{~d}_{\mathrm{q}} \mathrm{a}^{55} \mathrm{~S}^{31}$
take cooked rice out of pot and put into a bowl, $\mathrm{k}^{\mathrm{h}} \mathrm{am}^{53}$
take in fingers, $\left.a^{31} t{ }^{\text {h }} u\right)^{31}$
take liberties with a woman, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55} \mathrm{ni}^{31} \mathrm{mi}^{31}$
take medicine $=$ eat, $n \varepsilon^{55} \mathrm{ts}^{\mathrm{h}} 1^{31} \varepsilon \mathrm{~m}^{55}$
take note of, pay attention to, $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{am}^{35}$
take off (clothes), (du $\left.{ }^{55}\right) \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31}$ num ${ }^{55}, \mathrm{t}_{6}^{\mathrm{h}} \mathrm{in}^{55}$
take out (water); pump (water), $\operatorname{san}^{31} ; \operatorname{can}^{31}$
take out, $\mathrm{a}^{31} \mathrm{~s} \varepsilon^{55}$
take place of, $\mathrm{n}^{31} \mathrm{dzan}^{31}$
take the opportunity, $i \varepsilon^{55} \mathrm{San}^{55} \mathrm{n}_{\mathrm{mu}}{ }^{31}$
take toward, $\mathrm{fa}^{55} \mathrm{a}^{31} \mathrm{io}^{33}$
take turns, $\mathrm{Pa}^{31} \mathrm{t}_{6}{ }^{1 \mathrm{~T}} \mathrm{in}^{55} \mathrm{~S} \mathrm{l}^{31}$
take, $\mathrm{qa}^{55}, \mathrm{la}^{55} ; \mathrm{qu}^{53}$ (imperative)
take root, $\mathrm{n}^{31} \mathrm{zu}^{33} \mathrm{a}^{31} \mathrm{lin}^{55}$
take with hand, ci $^{55} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{55}$
taken aback, stare blankly, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{zz}{ }^{55}$
talk to one's self, $\mathrm{r}^{31} 1 \mathrm{ln}^{55} \mathrm{~m}^{31} \mathrm{buw}^{31}$
tall person, $\mathrm{uq}^{55} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{man}^{31}$
tamp (ground), ram, pound, $\mathrm{a}^{31} \mathrm{Pdzu}^{31} \mathrm{u}^{31}$
$\tan$ (hide), to, $\mathrm{a}^{31} \mathrm{na}^{31}$
tan, to, $\mathrm{ca}^{55} \mathrm{sam}^{31} \mathrm{a}^{31} \mathrm{na}^{31} \mathrm{u}^{31}$
tangerine, $\mathrm{zl}^{31} \mathrm{ma}^{55} \mathrm{tcum}^{55}$
tapioca, $\mathrm{mu}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{ia}^{35} \mathrm{lu}^{55}$
tares, $\mathrm{tc}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{Pba}^{55}$
target, $\mathrm{di}^{31} \mathrm{dzan}^{33} \mathrm{dem}^{55}$
taro; sweet potato, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{~d} \not \mathrm{u}^{55}$
tart, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55}$
tartar, $\mathrm{a}^{31} \mathrm{sa}^{31} \mathrm{ni}^{55}$
tassel; fringe, $n \varepsilon m^{55}$
taste (a bite), di ${ }^{31} \mathrm{dzan}{ }^{31} \mathrm{u}^{31}>\mathrm{di}^{31} \mathrm{dz} \tilde{\mathrm{a}}^{31}\left(\tilde{\mathrm{u}}^{31}\right)$
taste bitter (in the mouth), $\mathrm{ma}^{55} \mathrm{dun}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{33}\left({ }^{55}\right)$
tasty $=$ fragrant, $\mathrm{p}^{\mathrm{h}} \mathrm{ul}^{31} l \varepsilon \mathrm{~m}^{31}$
tattered, run down, $\mathrm{n}^{31} \mathrm{ma} \tilde{a}^{55}$
taxes, $\mathrm{r}^{31} \mathrm{dzan}^{55}$, sue ${ }^{55}$ (Ch.)
tea cakes, $1 a^{31} t c a^{55} l a \eta^{55}$
tea leaves (pressed in a bowl shape, produced in Yunnan), $1 a^{31} t \varphi a^{55} p^{h} u^{55}$
tea plant, $\mathrm{la}^{31} \mathrm{t}_{\mathrm{c}} \mathrm{a}^{55}$ dzum ${ }^{55}$
tea tray, $\mathrm{k}^{\mathrm{h}} \mathrm{nn}^{33} \mathrm{~b} \varepsilon \mathrm{n}^{55}$
tea, $\mathrm{la}^{31} \mathrm{t} 6 \mathrm{a}^{55}$
tea house, $\mathrm{ts}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{Pan}^{55} \mathrm{za}^{55}$
tea leaves shop, $\mathrm{ts}^{\mathrm{h}} \mathrm{R}^{31} \mathrm{xan}^{55} \mathrm{ven} \mathrm{n}^{55} \mathrm{za}^{55}$
tea snack, la $^{31} t^{\prime} a^{55} \mathrm{Ran}^{5}$
teach, educate, learn, $\mathrm{s} 1^{31} \mathrm{lam}^{55} \mathrm{u}^{31}, \mathrm{tca}^{35} \mathrm{io}^{31}$ (Ch.)
teach, to, $\mathrm{s}^{31} \operatorname{lam}^{55}\left(\mathrm{u}^{31}\right)$
teacher, $s 1^{31} \operatorname{lam}^{55} \mathrm{su}^{55}$
team or line of people or animals, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{Z} 1^{53}$
teapot, $t \varphi^{h} \mathrm{a}^{31} \mathrm{fu}^{31}$ (Ch.)
tear, to, $\mathrm{tc}^{\mathrm{h}} \mathrm{o}^{55} \cdot \tilde{\mathrm{a}}^{55}$
tear, rip (paper), s $\tilde{a}^{53} u^{31}>$ sau $^{53}$
tears, $\mathrm{p}^{\mathrm{h}} \mathrm{I} 1^{33}$
tease (child), $\mathrm{a}^{31} \mathrm{li}^{31} \mathrm{u}^{55}$
tease, play with a child, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ma}^{55} \mathrm{a}^{31} \mathrm{Xin}^{55} \mathrm{~S} 1^{31} \mathrm{dzu}^{55} \mathrm{u}$
telephone, a, tien ${ }^{55}$ xua $^{55}$
telephone, to, $\operatorname{tien}{ }^{55} \mathrm{xua}^{55} \mathrm{a}^{55} \mathrm{ni}^{31} \mathrm{u}^{31}$
television, $\operatorname{tian}^{35} \mathrm{~S} 1^{35} \mathrm{tci}^{55}$
tell a lie, nim ${ }^{35}$
tell a story, $\mathrm{m}^{31} \mathrm{~s} \mathrm{l}^{31}$
tell a story, $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{am}^{35}$
tell fortune, $s o^{53} n \varepsilon^{33}$
tell fortune, $\mathrm{\eta}^{31} \mathrm{ni}^{33} \mathrm{di}^{31} \mathrm{xq} \mathrm{n}^{55}$
tell tales, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}^{\mathrm{h}} \underline{\varepsilon}^{31}$
tell, to, $\operatorname{ci}^{31} \operatorname{nin}^{53} \mathrm{u}^{31}$
temper, $\mathrm{cu}^{35}$
temper, to, $\mathrm{ts}^{\mathrm{h}} \mathrm{e}^{31}$
temporal (TEMP), $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{35}, g \mathrm{u}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35}$
temple, $\mathrm{a}^{31} \mathrm{~S}_{1}{ }^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$
temple, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{i} \tilde{\mathrm{a}}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$ (spirit+house)
temple, $\mathrm{dza}^{55} \mathrm{dza}^{33} \mathrm{lu}^{55}$
temple curator, $\mathrm{S}_{1}{ }^{33} \mathrm{du}^{33} \mathrm{su}^{55}$
temples, $\mathrm{a}^{31} \mathrm{na}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{un}^{55}$
temporarily, $\mathrm{dz} 1^{31} \mathrm{dzu}^{55}$
temporary bridge, go $^{31} \mathrm{zã}^{55}\left(\mathrm{zo}^{31} \mathrm{mun}^{31} \mathrm{za}\right)$
ten thousand, $\left(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}\right) \mathrm{mum}^{31}$
ten, $\left(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}\right) \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} ; \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} ; \mathrm{ts}^{\mathrm{h}} \mathrm{1}^{55}$ (Lisu)
ten cents, dime, $\mathrm{i}^{35}$ t $6 \mathrm{o}^{31}$
ten feet (measure word), $\mathrm{i}^{31}$ tsan $^{35}$
ten odd, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dan}^{31}$
ten thousand, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{mu}^{31}$
ten thousand, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{un}^{55}$
tend cattle, $\mathrm{ni}{ }^{31}{ }^{n} \mathrm{na}^{31} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}}{ }^{\mathrm{m}} \mathrm{mi}^{31}$
tend ducks, in ${ }^{31} \varepsilon y^{55} \mathrm{k}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{u}^{31}$
tend pigs, $\mathrm{Po}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{ar}^{31} \mathrm{u}^{31}$
tender (vegetables), cur ${ }^{55}, \mathrm{CO}^{55} \mathrm{con}^{55}$
tender, young, dzen ${ }^{55}$
tendon, nerve, vein, $\mathrm{dum}^{31} \mathrm{gu}^{31}$
tenon (on crossbow), $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55} \mathrm{tso}^{35}$
tense, tight, taut, $\left.\mathrm{a}^{31} \mathrm{di}^{31} \mathrm{t}_{\mathrm{t}}{ }^{\mathrm{h}} \mathrm{u}\right)^{55}$
tent, $\mathrm{a}^{31} \mathrm{v} \tilde{\varepsilon}^{55}$
tent or shed set up for plays, $\mathrm{ts}^{\mathrm{h}} \mathrm{ay}^{35} \mathrm{Ci}^{35} \mathrm{a}^{31} \mathrm{v} \tilde{\varepsilon}^{55}$
tenth, $\mathrm{ti}^{35} \mathrm{~s}^{31}$
tenth, $\mathrm{qa}^{53} \mathrm{u}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$
tenth earthly branch (chicken), $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{n}_{\mathrm{p}} \mathrm{u}^{33}$
terminative, $9 \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}_{\mathrm{i}}{ }^{55}}$
terrace, $n \varepsilon m^{31} \lim ^{55} \mathrm{za}^{55} \mathrm{dzu}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$
terrible, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{za}^{55} \varepsilon^{31}$
testicles, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{lim}^{31}$
testicles; penis, $\mathrm{t}^{\mathrm{h}}{ }^{\mathrm{i}}{ }^{55} \mathrm{lim}^{31}$
thank, $\operatorname{ca}^{55} \mathrm{mos}^{33}, \operatorname{la}^{31} \mathrm{n}^{31} \mathrm{go}^{35}$
that end, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{33} \mathrm{tc}^{\mathrm{h}} \mathrm{a}^{33} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
that kind of, $\mathrm{na}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{mu}^{53}$
that reason, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{33} \mathrm{tc}^{\mathrm{h}} \mathrm{a}^{33} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}, \mathrm{na}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55}$
that side, $n a^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}, \mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
that way, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{33} \mathrm{io}^{55}$ (far), $\mathrm{na}^{33}\left(\mathrm{io}^{55}\right)$ (remote)
that, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{55}$ (far), $\mathrm{na}^{55}$ (near)
that (up there), $\mathrm{na}^{55}$
that (down there), $\mathrm{ii}^{55}$
that (over there), $\mathrm{on}^{55}$
that way (far and near), $\mathrm{na}^{31} \mathrm{io}^{55}$
that way (far and near), $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{33} \mathrm{io}^{55}$
that (yonder), $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{55}$
thatch rushes, $\mathrm{Pa}^{33} \mathrm{dza}^{31}$
thatched hay shed, $a^{31} d z_{1}{ }^{31} a^{31} v \tilde{\varepsilon}^{55}$
tatched storehouse, $\mathrm{a}^{31} \mathrm{~d}_{\mathrm{i}}{ }^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
the limit, $\mathrm{dz} \mathrm{q}^{53}$
the more $\ldots$ the more $\ldots, l \varepsilon^{31}$ xuq $^{55} \ldots l \varepsilon^{31}$ xuq $^{55} \ldots$
theater, $\mathrm{a}, \mathrm{ci}^{35} \mathrm{dzan}^{53} \mathrm{za}^{55}$
theirs, $\mathrm{n}^{31}$ num ${ }^{55} \mathrm{k}^{\text {h }} \mathrm{a}^{31}$
then, $\mathrm{gu}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35}, \mathrm{~m}^{31} \mathrm{~d} \mathrm{q}^{35}, \mathrm{~m}^{31} \mathrm{~d} \mathrm{fa}^{33}$
then and only then, $\mathrm{tc}^{\mathrm{h}} \varepsilon^{33}$
then and only then, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$
there, $\mathrm{na}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{gam}^{55}, \mathrm{Po}^{55}$
there, $n a^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
there, gam $^{55}$
there are (people), have, $\mathrm{no}^{33}$
there is a fire, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{mi}^{55} \mathrm{a}^{31} \operatorname{cin}^{55} \varepsilon^{31} \mathrm{ni}^{33}$
there is a storm, $\mathrm{na}^{31} \mathrm{bu}^{31} \mathrm{ba}^{31} \mathrm{Sq}^{31} \mathrm{fin}^{55}$
therefore, $\mathrm{Po}^{33} \mathrm{tc}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{ldy}{ }^{53}$
therefore, then, $\mathrm{li}^{31}$
these, $\mathrm{i} \varepsilon^{55} \mathrm{mu}^{53}$
they, $\mathrm{r}^{31}$ num ${ }^{55}$
they (two), ? $\tilde{\mathrm{u}}^{31} \mathrm{n}_{\mathrm{c}}{ }^{55} \mathrm{si}^{31}$
they (two); both of them, $\mathrm{n}^{31} \mathrm{n}_{\mathrm{L}} \mathrm{min}^{55} \mathrm{si}^{31} ; \mathrm{Pq}^{31} \mathrm{n}_{\mathrm{n}} \mathrm{un}{ }^{55} \mathrm{si}^{31}$
thick (bamboo pole), $\mathrm{ua}^{55} \mathrm{lom}^{33}$
thick (book), ( $\mathrm{ua}^{55}$ ) $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}{ }^{55}$
thick (grove), $a^{31} p^{h} u^{55}$
thick (soup), dense, $\mathrm{Ca}^{55}$
thick (soup), $\mathrm{k}^{\mathrm{h}} \mathrm{an}^{55}$
thick, $\mathrm{\eta}^{31} \mathrm{ka}^{55} \mathrm{ci}^{55}$
thick, $\mathrm{t}^{\text {h }} \mathrm{a}^{35}-\mathrm{v}$
thick, wide, $\left.\left.\mathrm{a}^{31} \mathrm{t} \mathrm{c}^{\mathrm{h}} \mathrm{mu}\right)^{55} \mathrm{t}^{\mathrm{h}} \mathrm{un}\right)^{55}$
thief, petty, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{53} \mathrm{su}^{55}$
thigh, $\mathrm{p}^{\mathrm{h}} \mathrm{an}^{33} \mathrm{cf}$. . leg'
thigh bone, femur, $\mathrm{p}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{dun}^{55}$
thimble, $\mathrm{nin}^{31} \mathrm{t}_{6}{ }^{\mathrm{h}} \mathrm{im}^{55} \mathrm{dim}^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
thimble, to put on a, $\mathrm{nin}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{55} \mathrm{gr} 7^{31} \mathrm{~S}_{1} \mathrm{~T}^{55}$
thin (book, child), $\mathrm{ba}^{35} \mathrm{ba}^{31} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$; ba ${ }^{35}$; very thin, $\mathrm{ba}^{35} \mathrm{ba}^{31}$
thin (in diameter), fine, tiny, $\mathrm{ua}^{35} \mathrm{ts}^{\mathrm{h}} 1^{31}$
thin (in diameter), tci ${ }^{55} \mathrm{~S}_{1} \mathrm{n}^{33}$
thin (grove), watery, ga $^{31} \varepsilon^{55}$
thin (person), $\mathrm{di}^{31}{ }^{\mathrm{Imu}}{ }^{55} \varepsilon^{31}, \mathrm{du}^{31} \mathrm{zu}^{55} \varepsilon^{31}$
thin (soup), $\mathrm{gu}^{55} \mathrm{li} \tilde{\varepsilon}^{55} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{~d} \mathrm{z}^{31} \varepsilon^{31}$
thin (soup), bum ${ }^{55}$
thin person, $\mathrm{du}^{31} \mathrm{zu}^{55} \varepsilon^{31}$
thin (pole), tcci ${ }^{55} \mathrm{sqn}^{33}$
thin and small, $\mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31} \mathrm{gur}^{35} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
thin and small, $\mathrm{di}^{31} \mathrm{zu}^{55} \mathrm{gu}^{31} \mathrm{di}^{31} \mathrm{zu}^{55}$
thin bamboo strip, $a^{31} \mathrm{lam}^{31}$
thin vermicelli that has been hung to dry, $6 a^{31} \mathrm{za}^{31} \mathrm{ua}^{55} \mathrm{t}^{\mathrm{h}} 1^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55}$
thin; (body) get thinner, $\mathrm{di}^{31} \mathrm{zu}^{55}$; $\mathrm{Iu}^{55}$
thing, $n \varepsilon n^{33}$
thing, affair, matter, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
think, remember, $\mathrm{ts}^{\mathrm{h}} \mathrm{om}^{55} \mathrm{nia}^{53} ; \mathrm{ts}^{\mathrm{h}} \mathrm{om}^{53}$
think, think about, $\mathrm{ts}^{\mathrm{h}} \mathrm{om}^{55}, \mathrm{~s}^{31}$
think aloud; talk to one's self, $\mathrm{y}^{31} l u \eta^{55} \mathrm{n}^{31} \mathrm{bu}{ }^{31}$
third, $\mathrm{ku}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{a}^{31} \mathrm{som}^{53}$, $\mathrm{ti}^{35} \mathrm{~s}^{55}$ (Ch.), $\mathrm{sa}^{55} \mathrm{ma}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ma}^{33}$ (Lisu)
third, $\mathrm{da}^{53} \mathrm{u}^{31}$ som $^{31}$
third day of lunar month, $s 1^{31} \mathrm{la}^{55} \mathrm{summ}^{33} \mathrm{ni}_{\mathrm{i}}{ }^{55}$
third earthly branch (tiger), $\left.\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{n}_{\mathrm{w}} \boldsymbol{u}\right)^{55}$
thirst, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ya}^{55} \mathrm{za}^{31} \tilde{\varepsilon}^{55}$
thirsty, $\mathrm{za}^{31} \mathrm{Ra}^{55}$
thirteen, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55}$ som $^{53}, \mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{sa}^{55}$ (Lisu)
thirtieth day of lunar calendar, summ ${ }^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ni}_{\mathrm{i}}{ }^{33}$
thirty, $a^{31}$ som $^{31} t s^{\text {h }}{ }^{55}$
this condition, $\mathrm{i} \varepsilon^{55} \mathrm{iaq}^{31} \mathrm{nu}^{31}$
this end, $\mathrm{tc}^{\mathrm{h}} \mathrm{an}^{33} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
this end, $\mathrm{na}^{551} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55}$
this end, $\mathrm{i}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55}$
this item, thing, $\mathrm{i} \varepsilon^{55} \mathrm{ian}^{31} \mathrm{n}_{\mathrm{m}}{ }^{31}$
this kind of, $\mathrm{i} \varepsilon^{55} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{o}^{33} \mathrm{mw}^{53}$
this much, $\mathrm{ie}^{31}{ }^{1} \mathrm{io}^{55}$
this period of time, $\mathrm{i}^{55} \mathrm{~s} \tilde{\mathrm{a}}^{55} \mathrm{num}^{31}$
this reason, $\mathrm{tc}^{\mathrm{h}} \mathrm{ay}^{33} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}, \mathrm{i}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55}$
this side, $\mathrm{i}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
this way, $\mathrm{i} \varepsilon^{55} \mathrm{io}^{55}$
this, $\mathrm{iz}^{55}, \mathrm{ic}^{31} ; \mathrm{ia}^{55}, \mathrm{ia}^{55}$
thistles, thorns; brambles, $\mathrm{ba}^{55} \mathrm{xu}^{55}$
thorn of flesh, e.g. like the little piece of flesh that sometimes sticks out at the side of one's fingers, $\mathrm{xuq}^{55} \mathrm{dz}_{1}{ }^{23}$
thorough cleaning, $\mathrm{a}^{31} \mathrm{dan}^{55} \mathrm{di}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{in}^{31}$
those, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{mu}{ }^{53}$ (far)
those, $\mathrm{na}^{33} \mathrm{io}^{55}$
those (far and near), $\mathrm{na}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{mu}{ }^{53}$
those (far and near), $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{mu}^{53}$
thousand (1000), $\left(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}\right) \mathrm{tu}^{31}, \mathrm{ja}^{55}, \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{tu}^{55}$ (Lisu)
thousand, $\mathrm{r}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{un}{ }^{55}$
thrashing ground, $m u^{31} \mathrm{dza}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{am}^{55} \mathrm{za}^{55}$
thread for spinning, neu ${ }^{55} \mathrm{yu}^{31}$
thread needle, to, $6 \mathrm{~m}^{55} ;{ }_{51}{ }^{53} \mathrm{u}^{31}$
thread, woolen, $\mathrm{ca}^{55} \mathrm{~min}^{31}$ bur ${ }^{55}$
thread, buy ${ }^{55}$, ? $\mathrm{uam}^{55} \mathrm{zu}^{33} ; \mathrm{vam}^{55} \mathrm{zu}^{33}$
threaten, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{za}^{55} \mathrm{u}^{31} \varepsilon^{33}$
three days ago, $\mathrm{ua}^{55} \mathrm{su}^{31} \mathrm{ni}^{55}$
three days hence, $\mathrm{i}^{55} \mathrm{zan}^{31} \mathrm{ni}^{\mathrm{i}}{ }^{55}, \mathrm{ti}^{55} \mathrm{san}^{31} \mathrm{ni}^{55}$
three years ago, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{55}$ num ${ }^{55}$
three years from now, $\mathrm{uq}^{55} \mathrm{su}^{31}$ num ${ }^{55}$
three, $\mathrm{a}^{31}$ som $^{53}$, $\mathrm{sa}^{55}$ (Lisu)
thresh (grain), $\mathrm{Pa}^{31} n \varepsilon^{31}\left(\varepsilon^{31}\right)$
thresh grain, $\mathrm{t}^{\mathrm{h}} \mathrm{am}^{55} \mathrm{u}^{31}$
threshold, $\left.\mathrm{la}^{31} \mathrm{t}_{\mathrm{h}}^{\mathrm{h}} \mathrm{un}\right)^{55} \mathrm{k}^{\mathrm{h}} \mathrm{um}^{31}, \mathrm{na}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u} \eta^{55} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{33}$
thrifty, tce ${ }^{31} \mathrm{io}^{31}$
throat, $\mathrm{la}^{33} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u} \tilde{a}^{31}$
through, open (road), $\left.\mathrm{t}^{\mathrm{h}} \mathrm{u}\right)^{55}$
throw (dice), $\mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}$
throw, cast (dice), $\mathrm{vam}^{53}$
throw away, $6^{i^{55}} \mathrm{t}^{\mathrm{h}} \mathrm{o}^{31}, \mathrm{tc}^{\mathrm{h}} \mathrm{o}^{31}$
through away thrash, $\$ 1^{55} \mathrm{t}^{\mathrm{h}} \mathrm{mn}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{oy}{ }^{53}$
throw backward, $\mathrm{Pi}^{55} \mathrm{za}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{o}^{31}$
throw forward, $\mathrm{ma}^{55} \mathrm{su}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{o}^{31}$
throw one's chest out, $\mathrm{han}^{55} \mathrm{~S} 1^{31}$
throw out (from), $\mathrm{i}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{io}^{55}$
throw out (to), $\mathrm{tc}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{a}^{31} \mathrm{bo}^{55}$
throw out (toward speaker), $\mathrm{ic}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{io}^{55}$
throw (rock), $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{53} \mathrm{u}^{31}$
throw (rock), $\mathrm{ci}^{55} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{o}^{31}$
throw upon, $\mathrm{na}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{o}^{31}$
throw upward, $\mathrm{na}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{o}^{31}$
throw, to, $\mathrm{t}^{\mathrm{h}} \mathrm{o}^{31} ; \mathrm{ts}^{\mathrm{h}} \mathrm{o}^{31} ; \mathrm{t}^{\mathrm{h}} \mathrm{o}^{31}$
throw, to, vam ${ }^{53}$
thumb, $\mathrm{n}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{mu}^{33}$
thumb, to, $\left(\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}\right) \mathrm{bu}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}$
thumb, to, $\mathrm{mu}^{31} \mathrm{k}^{\mathrm{h}} \cdot 1_{1}^{33}$
trumpet, $\mathrm{bu}^{31} 1 \mathrm{l}^{55}$ (Lisu)
thunder, $\mathrm{mu}^{55} \mathrm{da}^{25} ; \mathrm{mo}^{55} \mathrm{da}$ ?
Tibetan language, $\mathrm{ka}^{35} \mathrm{dzu}^{55} \mathrm{~S} 1^{55} \mathrm{va}^{31}$
Tibetan language, $\mathrm{ka}^{35} \mathrm{dzu}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
Tibetans, $\mathrm{ka}^{35} \mathrm{dzu}^{55}$ (Lisu)
tick, $\left.\epsilon^{\omega}\right)^{55} \mathrm{ba}^{33}$
ticket, $\mathrm{p}^{\mathrm{h}} \mathrm{iau}^{35}$ (Ch.)
tide ebbs, $\mathrm{t}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{mu}^{31} \mathrm{~b}^{2} \mathrm{n}^{53}$
tide rises, $\left.\mathrm{tc}^{\mathrm{h}} \mathrm{um}^{31} \mathrm{mu}^{31} \mathrm{bun}\right)^{31}$
tidy, neat, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{a}^{55}$
tie, to, fau ${ }^{31}$
tie up cow, $\mathrm{fa}^{31} \mathrm{u}^{31}>\mathrm{fau}^{31}, \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{va}^{31} \mathrm{u}^{31}$
tie (shoe laces), $n \varepsilon m^{31}$
tie up, bind, $\mathrm{t}^{\mathrm{h}} \mathrm{um}^{55} \mathrm{u}$
tie up, bind, $\mathrm{ba}^{31} \mathrm{gu}^{31}$
tie waistband, $\mathrm{ma}^{55}\left({\mathrm{~d} \varepsilon \mathrm{~m}^{55}}^{\mathrm{n}} \mathrm{nm}{ }^{31}\right)$
tiger, $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
tight (bind tightly), $\left(\mathrm{di}^{31}\right) \mathrm{t}^{\mathrm{h}}{ }^{\mathrm{h}} \mathrm{my}^{55}$
tighten, $l \varepsilon^{35}{ }^{35}{ }^{33}$
tightly woven, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \varepsilon^{55}$
tile, brick, $\mathrm{ua}^{31} \mathrm{la}^{31} \mathrm{bu}^{31}$ (Lisu)
tiled, slanting, $\operatorname{la}^{55} \mathrm{dz}_{1}{ }^{31} \mathrm{ni}^{33} \mathrm{t}_{6}{ }^{\mathrm{h}} \mathrm{a}^{31} \mathrm{Pd} z \varepsilon^{35}$
timber; lumber, cul ${ }^{55} \mathrm{guy}^{31}$
time (duration), ${70^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31}}^{\text {a }}$
time, duration, $\left(\mathrm{y}^{31}\right) \mathrm{S}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31}, \mathrm{tc}^{\mathrm{h}} \mathrm{a}^{33} \mathrm{bu}^{33}$
times (repetitions), number $+-\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
times (repetitions), number $+-\mathrm{fu}^{55}$ (Lisu)
times (repetitions), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{~d} \not \mathrm{zan}^{31}$
timid, cowardly, nim ${ }^{31} \operatorname{tch}^{\text {h }} \mathrm{i}^{55} \mathrm{la}^{55}$
timid, cowardly, $\eta^{31} \mathrm{~d} \varepsilon^{31} \mathrm{k}^{\mathrm{h}} \mathrm{S} 1^{55} \mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
tin, $\mathrm{ts}^{\mathrm{h}} \mathrm{m}^{31}$ (Lisu)
tinder, $\mathrm{xo}^{31} \mathrm{bi}^{31}$ sum $^{55}$
tinker, mend, $\mathrm{di}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{35} \mathrm{i}^{55}$
tip of a file, $\mathrm{ba}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{53}$
tired, fatigued, $\mathrm{a}^{31} \mathrm{xun}^{55}$
titmouse ts $1 u^{55} \mathrm{gg} \mathrm{g}^{55}$
tobacco ashes, $\mathrm{a}^{31} \mathrm{i} \tilde{\mathrm{a}}^{31}$ yom ${ }^{55}$
tobacco leaves, cured, $a^{31} \mathrm{i} \tilde{a}^{31} \varphi \mathrm{am}^{55}$
tobacco pipe, bowl, bag, $\mathrm{la}^{31} \mathrm{k}^{\mathrm{h}} \tilde{\varepsilon} \mathrm{y}^{55}$
tobacco seeds, $\mathrm{a}^{31} \mathrm{i} \tilde{a}^{31} \mathrm{im}{ }^{55}$
today, this day, $\mathrm{de}^{55} \mathrm{ni}^{33}$
toe nail, $\mathrm{Pa}^{31} \mathrm{xa}^{35} \mathrm{nin}^{33}$
toe, tip of, $n_{0}^{31} t \varphi^{h} \mathrm{im}^{55} \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} u \eta^{55}$

toes, $\mathrm{a}^{31} \mathrm{xa}^{53} \mathrm{ni}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{55}$
together, in the same place, $\mathrm{da}^{31} \mathrm{si}^{55}, \mathrm{da}^{33} \mathrm{si}^{55}, \mathrm{ta}^{31} \mathrm{si}^{55}$
toilet paper, $\mathrm{ni}^{31} \mathrm{si}^{55} \operatorname{cin}^{31} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
toilet, $\mathrm{nd}^{55} \mathrm{n}_{0} \mathrm{i}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
tomato, $\left.\mathrm{ba}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{lu}\right)^{55}$
tomorrow evening, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{nd}^{31} \mathrm{~S}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
tomorrow morning, $a^{31} p^{h} u^{55} \operatorname{san}^{31}$
tomorrow, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{ni}^{31}$
tongue root, $\left.\mathrm{p}^{\mathrm{h}} \mathrm{w}^{31} 1 \varepsilon^{31} t 6^{\mathrm{h}} \mathrm{w}\right)^{33}$
tongue tip, $\left.\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{l} \mathrm{\varepsilon}^{31} \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}\right)^{55}$
tongue, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} l \varepsilon^{31}, \operatorname{lan}^{55}, \tan ^{55}$
tonight, $\mathrm{d} \varepsilon^{55} \mathrm{~S}_{1}{ }^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
too late, $\mathrm{ma}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35} \mathrm{dz} \mathrm{z}^{31}$
too, excessively, -bum ${ }^{31}$
too, excessively, $u q^{55}$ dur ${ }^{31}$
tool; instrument, $\mathrm{la}^{31} \mathrm{ma}^{55} \mathrm{ua}^{33} \mathrm{n}_{\mathrm{n}} \mathrm{n}^{33}$
tooth joint, $\mathrm{a}^{31} \mathrm{sa}^{31} \mathrm{mum}^{31} \mathrm{dzun}{ }^{31}$
tooth paste, $\mathrm{ia}^{31} \mathrm{kau}^{55}$ (Ch.)
tooth root, $\mathrm{a}^{31} \mathrm{sa}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{wn}^{33}$
tooth, canine, $\mathrm{d} \varepsilon^{31} \mathrm{~g} I 1^{55} \mathrm{a}^{31} \mathrm{sa}^{31}$
tooth, front; incisor, $\mathrm{ma}^{55} \mathrm{Su}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{a}^{31} \mathrm{sa}^{31}$
tooth, lower, $\mathrm{ka}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{a}^{31} \mathrm{sa}^{31}$
tooth, shua ${ }^{55}>\mathrm{a}^{31} \mathrm{sa}^{31}$
tooth, upper, $\mathrm{ka}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{a}^{31} \mathrm{sa}^{31}$
toothbrush, $\mathrm{a}^{31} \mathrm{sa}^{31} \mathrm{~d} z \varepsilon \mathrm{n}^{55}\left(\mathrm{~d} \varepsilon \mathrm{~m}^{55}\right)$
toothpick, $\mathrm{a}^{31} \mathrm{sa}^{31} \mathrm{ni}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{lo}^{31} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
top of head, $\mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{~d} \mathrm{n}^{55} / \mathrm{Ium} n^{55}$
top, $\mathrm{t}^{\mathrm{h}} \mathrm{an}^{55}$
topple, tear down (e.g., a wall), $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{33} \mathrm{do}^{31}$
torch, $\mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{55} \mathrm{dom}^{31} / \mathrm{dum}^{31}$
torn (clothes), gan ${ }^{55}$ ? $d z \varepsilon^{35}$
tortoise, $\mathrm{vu}^{55} \mathrm{kui}^{55}$ (Ch.)
total $=$ together, Pa $^{31} \mathrm{dan}^{55}$
touch, nen ${ }^{55}$
toward, facing, $\mathrm{ba}^{31}$
toward, facing, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
towel, in ${ }^{55} \operatorname{cim}^{33} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
town people, $\mathrm{dz} 1^{55} \mathrm{dun}^{55} \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31}$
town; city, dzal ${ }^{55}$
township, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ay}^{31} \mathrm{dzu}^{33} \mathrm{li}^{2} \eta^{31} \mathrm{u}^{31}$
township, $\epsilon^{55}{ }^{55}$
toy, $\mathrm{a}, \mathrm{a}^{31} \mathrm{hi}^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
tracks, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{za}^{55}$
tracks, to follow, $\mathrm{di}^{31} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n} \mathrm{P}^{35}$
tracoma, $\left.\mathrm{ni}^{\mathbf{5 5}} \mathrm{lu}\right)^{55} \mathrm{bui}^{31} \mathrm{si}^{31}$
trade; barter, $\mathrm{a}^{31} \mathrm{t}_{6}{ }^{\mathrm{h}} \mathrm{it}^{31}$
train, $m \varepsilon^{33} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{33}$ (Burmese)
train, to, $\mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31} \mathrm{Sl}^{31} \mathrm{dzil}^{55} \mathrm{u}^{31}$
transfer; move, tiau ${ }^{35}$
transient reviving of dying, $\mathrm{muw}^{55} \mathrm{dz}_{1}{ }^{31} \mathrm{du}^{55}$
translator, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ci}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{55} \mathrm{su}^{55}$
transport, to, $\mathrm{a}^{31} \mathrm{t}_{6}^{1{ }^{15}{ }^{55} \tilde{\mathrm{u}}^{31}}$
transport; donate, $\mathrm{m}^{31} \mathrm{~d} 7 \mathrm{o}^{31}$
trash, $\mathrm{St}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{mi}{ }^{31}\left(\mathrm{sa}^{55} \mathrm{~d}_{\mathrm{d}}{ }^{55}\right)$
travel, to, $\mathrm{a}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{in}^{31} \mathrm{do}^{55}$
traveller, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31} \mathrm{dz}{ }^{55} \mathrm{su}^{55}$
travelling expenses, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31} \mathrm{dz}{ }^{55} \mathrm{ti}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}$
tray; plate, $\mathrm{b} \varepsilon \mathrm{y}^{55} ; \mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \mathrm{~b} \tilde{\varepsilon}^{55}$
tread, stamp feet, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ sum $^{55} / \mathrm{cum}^{55}$
tree fork, $\varphi \mathrm{mi}^{55} \mathrm{di}^{31} \mathrm{k}^{\text {h }} \mathrm{ua}^{55}$
tree name, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{33} \mathrm{bu}^{55}$, $\mathrm{dzi}^{31}{ }^{31} \mathrm{zq}^{55}$,
tree name, $\lim ^{31}, \mathrm{ba}^{33} \mathrm{ia}^{55} \mathrm{gun}^{31}, \mathrm{ba}^{33} \mathrm{ia}^{55} \mathrm{gur}^{31}$
tree root, $¢ \mathrm{~min})^{55} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{33}, \mathrm{y}^{31} \mathrm{ven}^{55} \mathrm{la}^{55}$
tree seedlings, $\operatorname{cwn}^{55} \mathrm{ium}^{31}$
tree shade, $\boldsymbol{c u m y}^{55} \mathrm{di}^{31} \mathrm{ga}^{55} \mathrm{u}^{31}$
tree trunk, cul ${ }^{55}$ guy ${ }^{31}$
tree, flower, $¢ \omega \eta^{55} \mathrm{ven}^{55}$
tree, $\mathrm{Sl}^{55}$ dzur ${ }^{55}$
tree, winter melon, $\mathrm{su}^{31} \mathrm{muu}^{33}$
triangular, som ${ }^{31} \mathrm{tc}^{\mathrm{h}} \tilde{\mathrm{a}}^{31} \mathrm{dz}_{\mathrm{u}}{ }^{55}$
tripe $=$ pig stomach, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{33}$
tripod, $\mathrm{da}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}$ (of metal), $\mathrm{ni}^{33} \mathrm{gu}^{55}$ (of stone)
troublesome, inconvenient, $\mathrm{di}^{31} \mathrm{ca}^{35}$
trough (pig feeding), $\mathrm{io}^{55} \mathrm{dzi}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u} \eta^{31}$
trough, groove, $\mathrm{ma}^{31} \mathrm{du}^{31} \mathrm{dzil}^{31}$, tsau ${ }^{55} \mathrm{kau}^{55}$ (Ch.)
trough, round wooden, culy $\left.{ }^{55} \mathrm{~d} \not \mathrm{i} i^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}\right)^{31}$
trouser legs, $\epsilon^{33} \mathrm{ma}^{55}$ duy ${ }^{55}$
trouser seat, $\varphi^{\prime} \mathrm{a}^{33} \mathrm{duy}^{55}$
trousers belt, $\mathrm{ma}^{33} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
trousers, pants, $\mathrm{ca}^{33} \mathrm{mã}^{55}$
truant, be, $\varsigma 1^{55} \mathrm{va}^{31} \mathrm{ma}^{31} \mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{n}^{35}{ }^{\mathrm{i}} \mathrm{\varepsilon} \mathrm{n}^{55} \mathrm{P} \mathrm{d} z \varepsilon^{35}$
truce, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{u}^{31} \mathrm{du}^{31}$
true (speak truthfully), $\mathrm{tc}^{\mathrm{h}} \mathrm{Un}^{55} \mathrm{si}^{31} \mathrm{di}^{55}$
true, $\mathrm{i} \varepsilon^{53}$
true; really, $\mathrm{si}^{31} \mathrm{di}^{55}$
trumpet, $\mathrm{a}, \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{u}^{31} \mathrm{du}^{31}$
trumpet, $a$, sa $^{55}{ }^{1 a^{55}}$
Trung language, $\mathrm{du}^{31} \mathrm{lu}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
trunk (elephant), $\mathrm{mo}^{33} \mathrm{gux}^{33} \mathrm{~s}^{31} \mathrm{na}^{55}$
trunk of body, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{z} 1^{55} \mathrm{gux}^{31}$
try hard, $\mathrm{ba}^{31} \mathrm{~s}_{1} 1^{31} \mathrm{man}^{55} \mathrm{~s}^{31}$
try hard, $\stackrel{s}{2}^{31} \mathrm{san}^{55} \mathrm{da}^{31} \mathrm{~s}^{55}, \mathrm{nu}^{55} \mathrm{li}^{33}$ (Ch.)
try, attempt, $\mathrm{di}^{31} \mathrm{dzanu}^{31}$
try, $\mathrm{a}^{31}{ }_{\mathrm{s}}{ }^{31}$
tube for blowing on a fire, $\mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{55} \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
tube, $\mathrm{n}^{31} \mathrm{da}^{31}$
tuber (root), $\mathrm{ia}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{wi}^{55}$
tuber, k. of, $\mathrm{bi}^{31} \mathrm{cul}^{35} \mathrm{di}^{31}$
tuber, k. of, $\mathrm{bi}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31}$
tuber, k. of, $\mathrm{bu}^{31} 1 \varepsilon^{33} \mathrm{go}^{53}$
tuber, k. of, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{dzu}{ }^{55}$
tuber, k. of, $\mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{dzu}{ }^{55} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
tuber, k. of, $\mathrm{mi}^{31} \mathrm{la}^{55} \mathrm{da}^{55}$
tuber, k. of, $\mathrm{mul}^{31} \mathrm{n} \varepsilon \mathrm{m}^{31}$
tubers, $\mathrm{ni}^{31}{ }^{1} \mathrm{ua}^{31} \mathrm{grl}{ }^{55}$
tuck under arm, $\mathrm{gu}^{31} \mathrm{lu}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{av}^{31} \mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{un}^{31}$
tuition, $\mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{w}^{55}$
tumor, small, dza ${ }^{31} \mathrm{ma}^{55} \mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{n}^{31} \mathrm{ba}^{31}$ sum $^{55} \mathrm{du}^{31}$
tumor, swelling, $\mathrm{d}^{31} \mathrm{dzu}^{55}$
turban; scarf, la $^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{35} \mathrm{xuan}^{55} \mathrm{~d}^{2} \mathrm{~m}^{55} ; \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{ug}^{35} \mathrm{xuan}^{55}$
turn (body), $\left(\mathrm{dz}^{31} \mathrm{gux}^{31}\right) \mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{~S} 1^{55}$
turn (cause to), $\mathrm{Pa}^{31} \mathrm{xua}^{55} \varepsilon^{31}$
turn (head), $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{~S}^{33}$
turn (round and round), $? \mathrm{a}^{31} \mathrm{xuq}^{55} \mathrm{ni}^{33}$
turn a corner, go ${ }^{31} \operatorname{lan}^{55}$
turn a door handle, $\mathrm{xua}^{53} \mathrm{y} \tilde{u}^{31}$
turn a screw, $\mathrm{xua}^{31} \mathrm{o}^{55}$
turn around (the head), $\operatorname{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55} \mathrm{xuq}^{31} \mathrm{~s}^{55}$
turn bad, spoil, $\mathrm{n}^{31} \mathrm{mã}^{55} \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{55}$
turn head, $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{Sl}^{33}$
turn inside out; reverse, $\mathrm{pu}^{55} \tan ^{33} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{~S}^{55}$
turn off (light) $=$ 'kill', san ${ }^{53}$
turn off (water), $\mathrm{t}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{u}^{31}$
turn on (water), $\lim ^{33}$
turn on (water), $\mathrm{s}^{31} \operatorname{lan}^{31} \mathrm{u}^{31}$
turn on light, to light, $\tilde{f}^{31} \mathrm{u}^{31}>\mathrm{f} \mathrm{\varepsilon}^{31} \mathrm{u}^{31}$
turn one's head, $\left.\mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}\right)^{55} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{~S} 1^{55}$
turn or lift (to open), $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{33} \mathrm{Ro}^{55}$
turn over (body), $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{31}$ ium ${ }^{55}$
turn over (food), $\mathrm{a}^{31} \mathrm{z}_{1} \mathrm{n}^{31} \varepsilon^{55}$
turn over (on bed), $\mathrm{zu}^{31} \mathrm{gul}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{33} \mathrm{~s}^{55}$
turn red, tsa ${ }^{35} \mathrm{si}^{55} \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{o}^{55}$
turn the page, $\left.\varsigma_{1}{ }^{55} \mathrm{va}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{uq} \eta^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{un}\right)^{55} \mathrm{a}^{31} \mathrm{u}^{31}$
turnip; radish tuber, $\mathrm{la} / \mathrm{ic}^{31} \mathrm{ts}^{\mathrm{h}} \tilde{\mathrm{u}}^{31} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \tilde{\mathrm{u}}^{31}$
turtle, tortoise, $\left(\mathrm{vu}^{55}\right) \mathrm{kui}^{55}$
turtledove, $\mathrm{da}^{31} \mathrm{fraa}^{55} ; \mathrm{da}^{31} \mathrm{frl}_{1}{ }^{55}$
tusk, $\mathrm{mo}^{33} \mathrm{gux}^{33} \mathrm{a}^{31} \mathrm{sa}^{31}$
tweezers $=$ baby pinchers, $\mathrm{ma}^{55} \mathrm{n}_{\mathrm{n}} \mathrm{m}^{55} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
twelfth lunar month, $\eta^{31} t^{\mathrm{h}} \mathrm{ay}^{55} \mathrm{~S} 1^{31} 1 a^{55}$
twelve, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{ni}^{55}{ }^{55}, \mathrm{ts}^{\mathrm{h}} \mathrm{p}^{55} \mathrm{ni}^{31}$ (Lisu)
twentieth day of lunar month, $\mathrm{a}^{31} \mathrm{ni}_{\mathrm{i}}{ }^{33} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ni}_{\mathrm{i}}{ }^{33}$
twenty-one, $a^{31} n i^{55} \operatorname{ts}^{\mathrm{h}} \mathrm{ai}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}$
twenty, $\mathrm{a}^{31} \mathrm{ni}_{\mathrm{i}} \mathrm{i}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}, \mathrm{ni}^{31}{ }^{\mathrm{ts}} \mathrm{ss}^{\mathrm{h}}{ }^{55}$ (Lisu)
twice as much; many, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{tu}^{55}$
twin, $\mathrm{Pi}^{55} \mathrm{dzi}^{55}$
twinkle, to, $\mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31} l \varepsilon \mathrm{~m}^{31}$
twist (leg), $\mathrm{xua}^{55} \mathrm{nu}^{31}$
twist (rope), $\mathrm{num}^{55} \mathrm{nu}^{31} \mathrm{n}_{\mathrm{B}} \mathrm{u}^{55} \mathrm{nu}^{31}$, num ${ }^{55}$
twist (towel), $\mathrm{di}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$
twist in (screw), $\mathrm{t}^{\mathrm{h}} \mathrm{in}^{53}$
twist with fingers, $\mathrm{so}^{31} \mathrm{mu}^{31}$ (feel, stroke), $\mathrm{n}_{\mathrm{o}} \mathrm{u}^{55} \mathrm{ru}^{31}$
twist, sprain, $\mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{o}^{55}$
twist, wring (towel), $\mathrm{du}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$
two hands (of rice), $\mathrm{mo}^{33}$ guan $^{53}>\mathrm{m}^{31}$ guan $^{53}$
two- to four-stringed instrument, $\mathrm{hi}^{55} \mathrm{ha}^{31}$
two-string bow instrument, $\mathrm{hi}^{55} \mathrm{hã}^{31}$
two-times (roughly); about twice, $\left.\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{fu}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{ar}\right)^{53}$
two, $\mathrm{a}^{31} \mathrm{n}_{\mathrm{i}} \mathrm{i}^{55}, \mathrm{sa}^{55}$ (Lisu)
udder (of cow, goat), $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}$
ugly, $\mathrm{ma}^{31} \mathrm{n}^{2} \mathrm{~m}^{55}$
understand a language ( can ), $\mathrm{to}^{33} \mathrm{so}^{53}$
understand a language (cannot), $\mathrm{to}^{33} \mathrm{~m}^{31} \mathrm{so}^{53}$
umbilical cord, ben $n^{33} t^{h} u^{55} t^{h} i^{33}$
umbrella, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{35} \mathrm{~d} 7 \mathrm{i}^{31}$ (Lisu), $\mathrm{mo}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{\varepsilon n}^{55}$
umbrella frame, $\mathrm{mo}^{55} \mathrm{p}^{\mathrm{h}} \varepsilon \mathrm{\varepsilon}^{55} \mathrm{la}^{55}$
unceasingly; continuously, $\mathrm{ma}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{255} \mathrm{ua}^{33}$
uncle; father's younger brother, $\mathrm{a}^{31}$ uan ${ }^{31}$
uncle; husband of father's sister, $\mathrm{a}^{31} \mathrm{vu}^{31}$
uncle; mother's brother, $\mathrm{a}^{31}$ ben $^{33}$
uncle, $o^{55} p^{h} \mathrm{a}^{31}$
underarm hair, $\mathrm{gu}^{31} \mathrm{lu}^{55} \mathrm{~min}^{33}$
undershirt, in ${ }^{55} \mathrm{ga}^{31} \mathrm{mu}^{31}$

undertand, take in aurally, so $^{53}\left(\mathrm{a}^{31} \mathrm{ba}^{35}\right)$
underwear, $\mathrm{in}^{55} \mathrm{ga}^{31} \mathrm{mu}{ }^{31}$
undress, to, $\left.\left(\mathrm{du}^{55}\right) \mathrm{tc}^{\mathrm{h}} \mathrm{in}^{31} n \mathrm{n} w\right)^{55}$
unfamiliar, $\mathrm{m}^{31} \mathrm{So}^{53} \mathrm{mu}^{53}$
unfortunate, $\mathrm{m}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{a}^{55}$
uniform, military, $\mathrm{i} \mathrm{ul}^{31} \mathrm{ga}^{31} \mathrm{mur}^{31} ; \mathrm{he}^{31} \mathrm{ga}^{31} \mathrm{mul}^{31}$
unimportant, $\mathrm{m}^{31} \mathrm{~d} \mathrm{zo}^{55}$
unit of length, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{~d} \mathrm{~g}^{55}$
unitary, $\mathrm{i}^{35} \mathrm{i} \tilde{\varepsilon}^{31}$
unite; rally, $\mathrm{a}^{31} \mathrm{dux}^{31} \mathrm{dz} \mathrm{i}^{55}$
unlined garment, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}{ }^{6} \mathrm{i}^{31} \mathrm{lim}^{33}$
unlucky, $\mathrm{ma}^{31} \mathrm{du}^{31} \mathrm{dza}^{31}$
unlucky, $\chi^{31} \mathrm{ma}^{31} \mathrm{t}^{\mathrm{h}}{ }^{\mathrm{h}} \mathrm{o}^{55}$
unmarried woman, $\mathrm{s}^{31} \operatorname{lay}^{55} \mathrm{za}^{55}$
unmovingly, $\mathrm{ma}^{31} \mathrm{n}^{5} \mathrm{n}^{55} \mathrm{ua}^{33}$
unoccupied house, $\mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{~d}^{31} \mathrm{gan}^{55}$
unpack luggage, $n \varepsilon n^{55} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{53}$
unseam (clothing), $\mathrm{p}^{\mathrm{h}} \mathrm{un}{ }^{53}$
untidy (person), $\mathrm{sl}^{31} \mathrm{la}^{31} \mathrm{n}^{2} \mathrm{~m}^{55} \mathrm{~mm}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}$
untie (person), gu $1^{53}$
untie (rope), $\mathrm{p}^{\mathrm{h}} \mathrm{un}^{55} \mathrm{u}^{31}$
untie, loosen SEE come loose
untie; undo, p.umn ${ }^{55} \mathrm{no}^{31}$
until (time) (e.g., 'Until I came ...'), t t ${ }^{\mathrm{h}} \mathrm{u}^{31} \ldots$
upbraid, to, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{za}^{55} \mathrm{u}^{31}$
upper arm, $\left(\mathrm{a}^{31} \mathrm{vu}^{35}\right) \operatorname{tc}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{nil}^{55}$
upper back, $\mathrm{da}^{55} \mathrm{gun}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55}$
upper course of a river, $n a^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
upper garment, $\mathrm{na}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{gua}^{31} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
upper lip, $\mathrm{ka}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{ni}^{55} \mathrm{bu}^{31}$
upper part of body, $n a^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{n}_{\mathrm{mu}} \mathrm{u}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$
upper reaches of river, $\mathrm{tq}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{nua}^{31} \mathrm{na}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
upper storey, $\mathrm{la}^{31} \mathrm{bu}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{5}$
upper tooth, $\mathrm{ka}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{a}^{31} \mathrm{sa}^{31}$
upside down, $\operatorname{dim}^{31} \mathrm{~d}_{\mathrm{c}} \mathrm{i}^{31} \varepsilon^{31}$
upside down, reverse, $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{Ro}^{55}$
upstairs, $\mathrm{la}^{31} \mathrm{bu}{ }^{55} \mathrm{t}^{\mathrm{h}} \mathrm{aq}{ }^{55}$
urge, hurry, speed, dz$]^{31} \mathrm{dza}^{55} \mathrm{~g}^{31}{ }^{31}$
urgent, dzo ${ }^{55}$
urinary bladder, $\mathrm{y}^{31} \mathrm{ba}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
urinate, $6 a^{53} 2 \mathrm{dza} n^{55} \varepsilon^{31}$
urine, $\widehat{S a}^{55}{ }_{\mathrm{s}} \mathrm{T}^{31}$
use, to,
use; cause to use, dzom ${ }^{31} \mathrm{~S}^{55}$, $\mathrm{dzom}^{31} \mathrm{~d}_{\mathrm{dm}}{ }^{55}$
use, to, dzom $^{31} \mathrm{~d}^{2} \mathrm{~m}^{55}$
use or lean on (a walking stick), $\mathrm{di}^{31} \mathrm{za} \mathrm{\eta}^{31} ; \mathrm{di}^{31} \mathrm{zan}^{31} \mathrm{se}^{53}$
used to, $\mathrm{i} \tilde{a}^{31}$
useless, dzom ${ }^{53} \mathrm{~m}^{31} \mathrm{Fa}^{35}$
uterus; womb, $\eta^{31} \mathrm{t}^{\mathrm{h}} \mathrm{e}^{31} \mathrm{dan}^{31}$
uvula, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} l \varepsilon^{31} \mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{n}^{31}$
vaccinate against smallpox, $\mathrm{na}^{55} \mathrm{do}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{u}^{31}$
valley, ravine, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{33} \mathrm{la}^{33} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{31}$
valley (mountain), $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{55}$
varnish tree, $\mathrm{da}^{31} \mathrm{k}^{\mathrm{h}} \cdot 1^{55}$
vase, cum $^{55}{ }^{\text {ven }}{ }^{55} \mathrm{dun}^{55}$
vegetable bed, $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} ; \mathrm{n}^{31} \mathrm{t}_{6}^{\mathrm{h}} \mathrm{a}^{31}$
vegetable soup, $\mathrm{k}^{\mathrm{h}} \varepsilon n^{55} \mathrm{ts}^{\mathrm{h}} 1^{31}$
vegetable tray, $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{33} \mathrm{~b} \varepsilon \mathrm{y}^{55}$
vegetables, greens, $\mathrm{k}^{\mathrm{h}} \mathrm{En}^{55}$
village, dzu ${ }^{53}$
village name, nua ${ }^{55} \mathrm{~s}^{55} \mathrm{n}, \varepsilon^{35}$
vegetable, $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{55}$
vegetable soup, $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31}$
vegetables (dish), $\mathrm{k}^{\mathrm{h}} \varepsilon \mathrm{n}^{33}$
vegetable dish, $\mathrm{k}^{\mathrm{h}} \mathrm{E}^{55} \mathrm{~b}_{\mathrm{e}}{ }^{55}$ ( $1 / 2 \mathrm{Ch}$.)
vehicle, small, $\mathrm{t}^{\mathrm{h}} \mathrm{an}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
vehicle, small, $\operatorname{la}^{31} t^{h}{ }^{h} \mathrm{an}^{31}$
vehicle, small (car), $\mathrm{mo}^{55} \mathrm{do}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{31}$
verdigris, $\mathrm{dzi}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{iu}^{53}$, $\mathrm{dzi}_{\mathrm{in}}{ }^{31} \mathrm{la} \mathrm{\eta}^{53}$
vertical, upright, $\left(\mathrm{da}^{53}\right) \mathrm{day}{ }^{55}$
very (small), $\mathrm{ba}^{31} \mathrm{~s}^{31}, \mathrm{na}^{31}$
very; most, $a^{31} k^{h} u^{55} a^{31} k^{h} u^{55} ; a^{31} k^{h} u^{55}$ (Lisu)
vest; sleeveless garment, gua ${ }^{31} \mathrm{dim}^{55} \mathrm{~d}_{\mathrm{m}}{ }^{55}$
victorious, $\mathrm{d} \mathrm{m}^{33} \mathrm{Pd} \mathrm{d}_{8}{ }^{35}$
victory; triumph, dzo ${ }^{31}$
village, stockaded, $\mathrm{dzu}^{53}$
village, $\varphi \tilde{a}^{55}$
vine, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ll}^{31}$ bun ${ }^{55}$
vinegar, suan ${ }^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{35}$ (Ch.)
violate, breach, $\mathrm{e}^{31} \mathrm{fnn}^{53}$
violate the law, $\mathrm{fen}^{35} \mathrm{fa}^{31}$
viper; poisonous snake, $\mathrm{bu}^{31} \mathrm{t}_{6}^{\mathrm{h}} \tilde{\mathrm{a}}^{55}$
virgin land, $\mathrm{tc}^{\mathrm{h}} \mathrm{wr}^{31} \mathrm{ra}^{31}$
visit; tour, ts ${ }^{\text {h }}{ }^{55}{ }^{5} k \tilde{\varepsilon}^{55}$ (Ch.)
visit doctor, $\mathrm{i}^{55} \mathrm{sum}^{55} \mathrm{~d}_{4} \mathrm{a}^{55} \mathrm{u}^{31}$
visitor; guest, $\mathrm{mu}^{31} \mathrm{n} \varepsilon \mathrm{m}^{35}$
voice, sound, san ${ }^{55}$
voluntarily, $\mathrm{y}^{31} \operatorname{lon}^{55} \mathrm{n}^{31} \mathrm{n}_{2} \mathrm{n}^{55}$
vomit (noun), duy ${ }^{55} \mathrm{a}^{31} \mathrm{na}^{33}$
vomit, to, ?duy ${ }^{55} \varepsilon^{31}$
vow, swear vow, $m^{31} d z^{31} u^{31}$
voluntarily, $\mathrm{y}^{31} \mathrm{lon}^{55} \mathrm{n}^{31} \mathrm{na} \mathrm{\eta}^{55}$
vulture, $\left.\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{mu}^{31} \mathrm{dun}\right)^{31}$
vulva, $l \varepsilon^{31} \mathrm{bi}^{55}$
wade, to, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55} \mathrm{~s}^{\mathrm{s}} \mathrm{m}^{33}$
wag tail, $n \mathrm{i}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{ul}^{55} \mathrm{xuq}^{31} \mathrm{se}^{55}$
wage war, $\mathrm{a}^{31} \mathrm{vam}^{55} \varepsilon^{31}$
wages, pay, $\gamma \mathrm{um}^{55} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{35}$
waist, s..f ${ }^{53} \mathrm{dam}^{55}$
waist of trousers, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{33} \mathrm{du}^{55}$
waist, $\mathrm{da}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{mi}^{31}, \mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{dz}_{\mathrm{q}} \mathrm{im}^{55}$
waist, s.18 ${ }^{53} \mathrm{dam}^{55}$
waist belt, $\mathrm{ca}^{55} \mathrm{ma}^{55} \mathrm{~d}^{2} \mathrm{~m}^{55}$
wait a second, hang on, $\mathrm{a}^{31} \mathrm{~d} \varepsilon^{33}$
wait, expect, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{u}^{31}$
wake up; become sober, $\mathrm{a}^{31} \mathrm{se}^{55}$
walk (on foot), $\mathrm{dz} 1^{53}$
walk tiptoe, $\mathrm{a}^{31} \mathrm{ian}{ }^{355} \mathrm{a}^{31} \mathrm{dz} 1^{55}$
walking stick, $\mathrm{dum}^{31} \mathrm{Ian}^{31}\left(\mathrm{~S}^{55}\right)$
wall, enclosing, so ${ }^{55}$
wall enclosing house, $\mathrm{d} \not \mathrm{a}^{31} \mathrm{xam}^{35}$
wall seam, dze ${ }^{35}$ tcur ${ }^{55}$
wall, $d z \varepsilon^{35} t c^{h} \mathrm{~m}^{31}$
walnut, $\mathrm{bu}^{31} \mathrm{i}^{55}$
walnut, $\mathrm{ba}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{33}$
wane, recede, $\mathrm{a}^{31}$ cim $^{55}$
want, need, $\operatorname{con}^{31}, \mathrm{v} \mathrm{\varepsilon}^{53}$
want, like, $\eta \mathrm{a}^{55}, \eta \mathrm{um}^{31}$
want (to go), $\mathrm{dz} 1^{55} \mathrm{~mm}^{31} \mathrm{naq}^{31} \mathrm{cum}^{35}$
war, fight, scuffle, $a^{31}$ sun $^{55}$
ward off, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55}{ }_{\mathrm{s}} 1^{31}$
warehouse, storehouse, $m u^{31} \mathrm{dza}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
warm (weather), $\lim ^{31} \varepsilon^{55}$
warm, $\operatorname{qim}^{55} \mathrm{~S}^{31}$; summ ${ }^{55} \mathrm{bu}^{31}$
warm, roast, bake, $\mathrm{di}^{31} \mathrm{gan}^{53} \mathrm{u}$
warm by fire, $\mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{55}{\mathrm{im}^{55}}^{5}{ }^{31}{ }^{31} ; \lim ^{55}$
warm up left-overs, $a^{31} k^{h} i \varepsilon \eta^{31} u^{55}$
warn, $s \varepsilon^{31}$ ?un ${ }^{55}$
warp, $\mathrm{ia}^{31} \mathrm{cw}^{55}$ (Lisu)
warp raising stick, $\mathrm{mu}^{55} \mathrm{dan}^{31}$
wart, $\mathrm{d}^{31} \mathrm{~d} \not \varepsilon^{2} \mathrm{n}^{55}$
wash (water), $\mathrm{ma}^{55} \mathrm{z}_{1}^{55} \mathrm{a}^{31} \mathrm{ba}^{55}$
wash, $\mathrm{di}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{in}^{31} \mathrm{~d} \mathrm{z}_{\mathrm{c}} \mathrm{n}^{53} \mathrm{ts}^{\mathrm{h}} 1^{31}$
wash; bathe, $z 1^{31} \mathrm{gur}^{31} \mathrm{~d} \mathrm{ze}^{53}{ }^{53} 1_{1}^{31}$
wash (clothes), dzen ${ }^{55}\left(\mathrm{u}^{31}\right)$
wash (clothes), $\mathrm{ga}^{31} \mathrm{mu}^{31} \mathrm{~d} \mathrm{z}^{2} \mathrm{n}^{53}$
wash clothes once, $\left.\operatorname{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ya}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55} \mathrm{Su}^{31} \mathrm{~d} \not \mathrm{p} u\right)^{53}$
wash face, $\mathrm{ma}^{55} \mathrm{~d} \mathrm{z}^{2} \mathrm{n}^{31} \mathrm{~s} 1^{31}$
wash feet, $\mathrm{a}^{31} \mathrm{xa}^{55} \mathrm{dzen}{ }^{55}$
wash floor, $\mathrm{la}^{55} \mathrm{~d} \not \mathrm{a}^{55} \mathrm{~d} \not \mathrm{~m}^{53}{ }^{53}$
wash rice, dzi ${ }^{31} \mathrm{za}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{~d} \not \mathrm{q}^{5} \mathrm{n}^{53}$
washbasin, $\mathrm{mã}^{55} \mathrm{~d} \not \mathrm{c}^{31} \mathrm{~d}^{3} \mathrm{~m}^{55}$
washcloth, $\mathrm{ma}^{55} \operatorname{cin}^{31}{\mathrm{~d} \varepsilon \mathrm{~m}^{55}}^{55}$
wasp, $\mathrm{mu}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{uq}^{31} \mathrm{mur}^{55} \mathrm{vi}^{33}$
wasp, $\mathrm{p}^{\mathrm{h}} \mathrm{ul}^{31} \mathrm{ia}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{uq}^{55}$
wasp, black, $\mathrm{ma}^{35} \mathrm{dz1}{ }^{31}$
waste, to, lan ${ }^{35} \mathrm{fei}^{35}$ (Ch.)
waste (grain), cumu ${ }^{53}$
waste money, $\mathrm{d} \mathrm{fa}^{31} \mathrm{xa}^{31} \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ur}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{un}^{55} \mathrm{sl}^{31} \mathrm{ma}^{53} \mathrm{u}^{31}$
waste time, loaf, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ma}^{55} \mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{dza}_{\mathrm{a}}{ }^{53} \mathrm{u}^{31}$
watch, $\mathrm{a}, \mathrm{na}^{31} \mathrm{l}^{31}$
watch, $\mathrm{a}, \mathrm{gr})^{31} \mathrm{~d}_{7} \mathrm{an}^{31}$
watch (children), $\mathrm{d}_{7} \mathrm{a}^{53} \mathrm{u}^{31}$
watch a movie, $\mathrm{ti}^{2} \mathrm{n}^{35} \mathrm{i}^{55} \mathrm{~d} 7 \mathrm{a}^{53} \mathrm{u}^{31}$
watch a play, ci $^{35} \mathrm{~d} \not \mathrm{man}^{53} \mathrm{u}^{3}$
watch dog, $\mathrm{t}^{\mathrm{h}} \mathrm{im}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{w}^{55} \mathrm{~d} \varepsilon^{31} \mathrm{~g} \Lambda^{55}$
watch fire, $\mathrm{a}^{31} \mathrm{gua}^{53} \mathrm{a}^{31} \mathrm{ni}^{33}$
watch; guard, $\mathrm{na}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{w} \boldsymbol{\eta}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i} \varepsilon \eta^{31} \mathrm{u}$
watch the coffin, $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{man}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{u}$
water (clear), $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{35} \mathrm{xwm}^{31}$
water (flowing), $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55}$
water (green), $\mathrm{mi}^{31} \mathrm{la}^{55} \mathrm{da}^{55}$
water (rice), dzi ${ }^{31} \mathrm{n}_{\mathrm{a}} \mathrm{a}^{55} \mathrm{~d} \mathbf{z} \varepsilon \mathrm{n}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{p}^{31}$
water (sediment), $\mathrm{tc}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{mun}^{55}$
water boiling, $\mathrm{tc}^{\mathrm{h}} \mathrm{i}^{31} \lim ^{33} ; \mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ra}^{35} \mathrm{xum}^{31}$
water buffalo, $\mathrm{a}^{31} \mathrm{l}^{31}$
water drawing, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ra}^{55} \mathrm{be}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{31}$
water pot, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{35} \mathrm{~d} \mathrm{ul}^{55} \mathrm{dem}^{55}$
water spirit, tct ${ }^{h} a^{31} \eta a^{55} p^{h} w^{31} i \tilde{a}^{33}$
water tap, $\left.\mathrm{tc}^{\text {h }} \mathrm{a}^{31} \mathrm{ra}^{35} \mathrm{dun}\right)^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
water vat, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ya}^{35} \mathrm{~d} \mathrm{~m}^{55}{ }^{55} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
water, boiling, $\mathrm{a}^{31} \mathrm{su}^{31}$
water, cloudy, $\mathrm{tc}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{mun}^{55} ; \mathrm{tc}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{mumn}^{55}$
water, muddy, $\operatorname{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ya}^{35} \mathrm{k}^{\mathrm{h}} \mathrm{am}^{31} \varepsilon^{31}$
water, spring, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ya}^{35} \mathrm{bo}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31}$
water, sprinkle, $2 \mathrm{a}^{31} \mathrm{n}^{23} \mathrm{n}^{53}$
water, to, $?^{31}{ }^{1} \mathrm{t}^{\mathrm{h}} \varepsilon \mathrm{m}^{53}$
waterfall, t $_{6}^{\mathrm{h}} \mathrm{l}^{31} \mathrm{da}^{55}$
watermelon, gua $^{31} t 6^{h} u \eta^{55}$
waterstone, $\mathrm{la}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}$
wave, beckon, $\mathrm{a}^{31} \mathrm{t} \mathrm{c}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{v} \varepsilon^{55}$
wave (hand), $\mathrm{xua}^{31} \mathrm{~s} 1^{33}$
wave (water), $\mathrm{d}_{\mathrm{i}} \mathrm{i}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{55}$
way, means, $\operatorname{pan}^{55} \mathrm{fa}^{31}$ (Ch.)
we (inclusive), $a^{31} \mathrm{n}_{\mathrm{i}}{ }^{35}$
we (plural), $\mathrm{a}^{31} \mathrm{imp}^{55}$
we two, the two of us, $\left.n \varepsilon^{31} \mathrm{so}^{31}\left(\mathrm{a}^{31} \mathrm{im}\right)^{55} \mathrm{si}^{31}\right) \mathrm{a}^{31} \mathrm{so}^{31}$
we all, all of us, $\mathrm{a}^{31} \mathrm{dan}^{55}$
weak, debilitated, in poor health, $\mathrm{san}^{55} \mathrm{~m} \varepsilon^{31} \varepsilon^{33}$
weak, say ${ }^{55} \mathrm{ba}^{33}$, nuı ${ }^{55}$
weaknesses, $\mathrm{m}^{31} \mathrm{qa}^{33} \mathrm{za}^{55}$
wean, $\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{ug}^{53} \mathrm{u}^{31}$
weapon; arms, $\mathrm{a}^{31} \operatorname{san}^{55} \mathrm{n} \varepsilon \mathrm{n}^{33}$
wear (clothes), gua $^{31}, \mathrm{a}^{55} \mathrm{gua}^{31}$
wear (clothes), gua ${ }^{31} \mathrm{~S}^{55} \mathrm{li}^{31}$
wear (hat), $\mathrm{mo}^{-31} \mathrm{~S} 1^{55}$
wear (hat), $\mathrm{da}^{31} \mathrm{mo}^{55} \mathrm{mo}^{35} \mathrm{o}^{55}$
wear jewelry, $\mathrm{a}^{31} \mathrm{~b} .1_{1}^{55} \mathrm{~S} 1^{31}$
wear (shoes), $\mathrm{g} .1^{31}$
wear, $\mathrm{cu}^{35}\left(\mathrm{u}^{31}\right), \mathrm{ium}^{35}$
wear horizontally, $\mathrm{ln}^{53}$
weasel, dzici ${ }^{31} \operatorname{sun}^{55}, \mathrm{ts}^{\mathrm{h}} 1^{31} \mathrm{v} \cdot \mathrm{I}_{1}^{31}$
weather, $\mathrm{mu}^{55}$
weave (cloth), $\mathrm{zan}^{33} \mathrm{u}^{31}, \tan ^{33}, \mathrm{zan}^{53}$
weave (rice winnowing basket), ?ban ${ }^{55}$
weaver's shuttle, $\mathrm{mi}^{55} \mathrm{gin}^{31}$
wedding, $\mathrm{ni}^{3}{ }^{35} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{p} \varepsilon^{31}$
wedding day, $\mathrm{a}^{31} \mathrm{ci}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}^{55}$
wedding dance, $\mathrm{a}^{31} \mathrm{ts}{ }^{\mathrm{h}} \mathrm{ar}^{31}$ (fast dance)
wedding feast, $\mathrm{vi}^{55} \mathrm{Co}^{55} \mathrm{n}_{\mathrm{H}} \mathrm{ul}^{31}$
wedge, peg, $\mathrm{ga}^{31} \mathrm{san}^{55}$
weed, to, $\mathrm{k}^{\mathrm{h}} \mathrm{ar}^{31}$
weed (grass), $\mathrm{k}^{\mathrm{h}} \mathrm{e}^{31} \mathrm{u}^{31}$
weed, to, bin $^{53}$
weft, $\mathrm{ia}^{31} \mathrm{po}^{55}$
weigh, to, ts ${ }^{\text {h }}{ }^{31}$
weigh (food), to, $\mathrm{ni}^{31} \mathrm{u}^{31}$
weigh less than, $\mathrm{ts}^{\mathrm{h}} 1^{55} \mathrm{n}_{\mathrm{im}}{ }^{31} \mathrm{ni}_{\mathrm{i}}{ }^{31} \mathrm{u}^{31}$
weigh less than, $\mathrm{a}^{31} \mathrm{q}^{55} \mathrm{~m}^{31} l u \eta^{55}$
weigh more than, $\mathrm{ua}^{55} \mathrm{man}^{31} \mathrm{ni}^{31} \mathrm{u}^{31}$
weight ( $1 / 2$ gram), clf., cur ${ }^{55}$
weight ( 100 grams), clf., gam ${ }^{55}$
weight (for grain; 1 decaliter), clf., dum ${ }^{55}$
Weixi, $\mathrm{yu}^{31} \mathrm{dzuu}^{55}$
welcome, greet, $\mathrm{so}^{33} \mathrm{ma}^{31} \mathrm{go}^{33}$, $\mathrm{xua}^{55} \mathfrak{1}^{31}$ (Ch.)
welcomed, be, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{zu}^{55}$
weld, solder, x $\tilde{\varepsilon} y^{35}$
welding; soldering, $\mathrm{ii}^{31} \mathrm{mu}^{33}, \mathrm{li}^{31} \mathrm{mu}^{33}$
well ( n .), $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ya}^{35} \mathrm{ts}{ }^{\mathrm{h}} 1^{31}$ dom ${ }^{55}$
well trap, $\mathrm{a}^{31} \mathrm{~d}_{\mathrm{q} \mathrm{im}^{33}}{\mathrm{~d} \varepsilon \mathrm{~m}^{55}}^{5}$
well water, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{yan}^{35} \mathrm{bu}^{55} \mathrm{Ia}^{55} ; \mathrm{tc}^{\mathrm{h}} 1^{31} \mathrm{ra}^{53} \mathrm{bo}^{55} \mathrm{za}^{55}$
well, $\mathrm{a}, \mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ya}^{53} \mathrm{ts}^{\mathrm{h}}{ }^{31}{ }^{31}$
well; comfortable, s $\tilde{a}^{55} \varepsilon^{31}$
well; healthy, $\varphi \varepsilon^{31} n_{n} \varepsilon m^{55}$
well; healthy, $\mathrm{s}^{31}{ }^{1} \mathrm{a}^{55} \mathrm{n}_{\mathrm{L}} \mathrm{m}^{55} \mathrm{ua}^{31} \mathrm{li}^{31}$
west, nem ${ }^{31}$ dzim ${ }^{55} \mathrm{k}^{\mathrm{h}} \mathrm{u} \tilde{a}^{31}$
west, $\mathrm{i} \varepsilon^{31} \mathrm{t} \mathrm{c}^{\mathrm{h}} \varepsilon \mathrm{g}^{55}$
west wind, $n \varepsilon m^{31} \mathrm{~d}_{\mathrm{q}} \mathrm{im}^{55} \mathrm{na}^{31} \mathrm{bu}^{31}$
western-style house, $n q^{33} \mathrm{t}^{\mathrm{h}} \mathrm{un}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
wet (clothes), ? $\mathrm{dzam}^{55}$
wet nurse, $\mathrm{a}^{31} \mathrm{t} \mathrm{s}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{o}^{31} \mathrm{mu}^{31}$
what? what kind? $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31}$
What day is it? (date), $\mathrm{s}^{31}{ }^{3} \mathrm{la}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dan}^{55} \mathrm{ni}^{33}$
what kind? what? $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{nu}^{31}$
what time? $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{33}, \mathrm{ha}^{55} \mathrm{san}^{55} \mathrm{num}^{31}$
What time is it? $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dan}^{55} \mathrm{dam}^{55}$
what, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31}$
What's to be done? $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{di}^{55} \mathrm{ua}^{31} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$

wheat, zuy ${ }^{53}$
wheat, $\mathrm{sa}^{31} \mathrm{za}^{31}$
wheat (buck), bitter, gua ${ }^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
wheat (buck), $\mathrm{ua}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
wheat (buck), $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{uq}^{55}$
wheat bran, $\mathrm{h} \varepsilon^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31} ; \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{55}$
wheat flour, $\mathrm{ca}^{31} \mathrm{Ia}^{31} \mathrm{ua}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31}, \widehat{s a}^{55} \cdot \mathrm{Ia}^{55} \mathrm{ua}^{55} \mathrm{t}^{\mathrm{h}} 1^{31}$
wheat husk, $\mathrm{t}^{\mathrm{h} \mathrm{h}^{55}}$
wheat root, $\mathrm{sa}^{31} \mathrm{za}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{am}^{55}$
wheat straw, $\mathrm{sa}^{31} \mathrm{za}^{31} \mathrm{la}^{55} \mathrm{zu}^{55}$
wheel, $\mathrm{ci}^{55} \mathrm{Ti}^{31} \mathrm{Ii}^{31}, \mathrm{la}^{33} \mathrm{tc}^{\mathrm{h}} \mathrm{ar}^{31}$
when? $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{33}$
when? $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{san}^{55}$
when? $\mathrm{ha}^{55} \mathrm{san}^{55} \mathrm{num}^{31}$
when (time), $\operatorname{san}^{55}{ }^{5} \mathrm{n}^{31}$
when, at the time, $? o^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31}$
where, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{lu} \mathrm{P}^{31}$
where? which side? $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}, \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ba}^{31} ; n \mathrm{a}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
where?, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{a}^{31} ; \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} ; \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ba}^{31}$
whet (knife), hẽyu ${ }^{31}$
which (plural), $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{mum}^{53}$
which (one), $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{lu}^{55} ; \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
while away time, $\mathrm{n}^{31} \mathrm{n}_{\mathrm{i}}{ }^{55}{ }^{5} \mathrm{l} \varepsilon^{53} \mathrm{bo}^{31} \mathrm{o}^{31} \mathrm{du}^{35}$
whip, mã ${ }^{31} \mathrm{k}^{\mathrm{h}}{ }^{33}{ }^{3} \mathrm{~d}^{55}{ }^{55}$
whip, to, $\mathrm{di}^{31} \mathrm{xun}^{53}$
whip mark, $\mathrm{ii}^{55} \mathrm{bu}^{31} \mathrm{dza}^{31}$
whip, thrash, $\mathrm{di}^{31} \mathrm{xun}^{53}$
whirl (of wind), $\mathrm{na}^{31} \mathrm{bu}^{31} \mathrm{mi}^{55} \mathrm{z}^{55} \mathrm{u}^{31} \mathrm{ba}^{33}$
whirlpool, eddy, $\mathrm{Ti}^{55}{ }^{5} \mathrm{tcu}^{33}$ (Lisu)
whirlpool, eddy, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55} \mathrm{a}^{31} \mathrm{xua}^{55}$
whirlwind, $\mathrm{na}^{31} \mathrm{bu}^{31}$ xuan $^{53} \tilde{\mathrm{u}}^{55}$
whiskers, hair, $1^{31} \mathrm{ni}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{O}^{55}$
whisper in someone's ear, $\mathrm{ba}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ba}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}$
whistle, $\mathrm{sa}^{55} \mathrm{la}^{55}$
whistle, sau ${ }^{35} \mathrm{ts}^{33}$ (Ch.)
whistle, brass wind instrument, $\mathrm{ba}^{31} \mathrm{la}^{55}$ (Lisu)
whistle, to, $\mathrm{a}^{31} \mathrm{fr}_{1}{ }^{55} \mathrm{u}^{31}$
white crane, $\mathrm{mo}^{55} \mathrm{xa}^{33}, \mathrm{ni}^{31} \mathrm{ts} 1^{55}$ (Lisu)
white fish, nuq $^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{m} \eta^{55}$
white oak tree, $\mathrm{ts}{ }^{55} \mathrm{ko}^{55}$
white; silver, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{dza}{ }^{31}\left(\mathrm{xa}^{31} \operatorname{lan}^{55}\right)$
whitewash, to, $\mathrm{d} z \varepsilon^{35} \mathrm{a}^{31} \mathrm{man}^{55} \mathrm{u}^{55}$
whitewash, to, $\mathrm{a}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31}$
white, $\mathrm{be}^{55}, \mathrm{ba}^{33}, \mathrm{ba}^{33} \mathrm{ba}^{33}$
white, $\mathrm{p}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{mo}^{31}$
white (of eye), $\mathrm{ni}^{55}{ }^{5} \mathrm{luy}{ }^{55} \mathrm{ba}^{33}$
who, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{io}^{55}$
who? $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{lu}^{55}$
whoever $=$ each one, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{io}^{55} \mathrm{gu}^{55}$
whole, dzo $\left.{ }^{55} \mathrm{~d} 7 \mathrm{o}^{33}, \mathrm{a}^{31} \mathrm{da}\right)^{33}$
whole; entire, $a^{55}$ dan $^{55}$
whole floor or ground, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{mu}^{31} \mathrm{a}^{31} \mathrm{dan}^{55}$
whole life; generation, $\left.\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{u}\right)^{55}$
why, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ts}^{\mathrm{h}} 1^{31} \operatorname{la\eta }{ }^{55}$
wick, tur ${ }^{55}{ }^{5} \mathrm{in}^{55}$
wide (diameter), coarse (flour), $\mathrm{n}^{31} \mathrm{ga}^{55} \mathrm{c}^{55}$
wide (road), $\mathrm{ua}^{55} \mathrm{gan}^{31}>\mathrm{ua}^{55} \mathrm{ga}^{31}$
wide, thick, coarse, $\mathrm{ua}^{55} \mathrm{lom}{ }^{33}$
width, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{za}^{33}$
width of finger, $\mathrm{ni}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{55}$
widow, widower, $\mathrm{mi}^{55} \mathrm{ma}^{31}$
wife, second, $\mathrm{mul}^{31} \mathrm{li}^{33} \mathrm{mu}^{31}$
wife, $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{33}$
wife (of brother), $\mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ba}^{55}$
wife of father's elder brother; uncle, $\mathrm{au}^{53} \mathrm{ma}^{31}$
wife of mother's brother; aunt, $\mathrm{a}^{31} \mathrm{ni}^{53}$
wife's brother's son, $\mathrm{sa}^{55} \mathrm{dza}^{31}$
wife's elder brother, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dza}^{55} \mathrm{ma}^{31}$
wife's elder sister, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{dza}^{55} \mathrm{ma}^{31}$
wife's father; father-in-law, $a^{31}$ ben $^{53}$
wife's father; father-in-law, $a^{31}$ ben $^{53} s 1^{44} p^{\text {h }} \mathrm{a}^{31}$
wife's mother; mother-in-law, $a^{31}$ lu ${ }^{35}$
wife's younger brother, $t^{\text {h }} a^{31}{ }_{n a n}{ }^{55}$
wife's younger sister, $t^{\text {h }} \mathrm{a}^{31} n_{n} \mathrm{n}^{55}$
wild animal, $\mathrm{sa}^{55}, \mathrm{a}^{31} \mathrm{dam}^{31} \mathrm{sa}^{55}$
wild boar, $\mathrm{p}^{\mathrm{h}} \mathrm{w}^{31} \mathrm{n}^{2} \mathrm{~m}^{33}$
wild goose, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{go}^{55}$
wild ox, $\epsilon^{55} \mathrm{p}^{\mathrm{h}} \mathrm{w}^{31}$
wild sheep, $a^{31} \tilde{\varepsilon}^{31}$
wild, ungovernable, $\mathrm{ma}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{am}^{55}$
wildcat, $\mathrm{da}^{31} \mathrm{ga}^{31}$
will do, $\mathrm{da}^{55} \varepsilon^{31}$
will, consent, $\mathrm{ua}^{55}$
willing, $n_{01}{ }^{55}{ }^{5} 1^{3}$
willing, prefer, $\mathrm{na}^{55}{ }^{5} \mathrm{mu}{ }^{55}$
will-o'-the-wisp; jack-o'-lantern, $\mathrm{p}^{\mathrm{h}} \mathrm{um}^{31} \mathrm{ia}^{33} \mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{mi}^{55}$
wilt, to, $\mathrm{Pa}^{31} \mathrm{~d} \mathrm{za}^{35}$
win, to, dzo ${ }^{31}$
win a war, $\mathrm{d}_{7} \mathrm{o}^{31} ? \mathrm{~d} \not \mathrm{z} 1^{35}$
wind thread, $\mathrm{xuq}^{55} \mathrm{yu}^{31}$
wind thread (onto a keel), gin ${ }^{31}$
wind blows, $\mathrm{na}^{31} \mathrm{bu}^{31} \mathrm{fin}^{55}$
wind, coil, rotate, $\mathrm{vu}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{55}, \mathrm{xuaq}^{55}, \mathrm{xua}^{55} /{ }^{53}$
wind, the, $\eta \varepsilon^{31} \mathrm{bu}^{31} ; \mathrm{na}^{31} \mathrm{bu}^{31} ; \mathrm{na}^{31} \mathrm{bu}^{31}$
winding, crooked, $\mathrm{bu}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}$
window, $\mathrm{ts}^{\mathrm{h}} \mathrm{uan}^{55} \mathrm{ts}^{31}$ (Ch.)
windpipe, trachea, san ${ }^{55} \mathrm{a}^{31} \mathrm{xa}^{31} \mathrm{~d} \varepsilon \mathrm{~m}^{55}$
wine drinking song, $\mathrm{bu}^{31} \mathrm{zu}^{55}$
wine pot, $\mathrm{d} \mathrm{zi}^{31}{ }^{31} \mathrm{~d} \varepsilon^{55}$ (Lisu)
wine yeast, $\mathrm{la}^{31} \mathrm{sam}^{55}$
wine, kind of, $\mathrm{ma}^{55} \mathrm{gu} \eta^{31} \mathrm{ts}{ }^{\mathrm{h}} 1^{31}$
wine; liquor; rice beer, nu $^{31}$; num ${ }^{31}$
wine pot, $\mathrm{d} 7 \mathrm{i}^{31} \mathrm{~d} \not \mathrm{z}^{55}$
wine shop, $\mathrm{num}^{31} \mathrm{ven}^{55} \mathrm{za}^{55}$
wine shop; restaurant, $\mathrm{num}^{31} \mathrm{Pan}^{55} \mathrm{za}^{55}$
wine, Chinese, $\mathrm{d}_{\mathrm{c}} \mathrm{i}^{31} \mathrm{za}^{55} \mathrm{n}, \mathrm{u}^{31}$
wing, $\mathrm{da}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{in}{ }^{55}>\mathrm{da}^{31} \mathrm{tc}^{1 \mathrm{r}_{1} 55}$
wink, blink, $\mathrm{r}^{55} \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{55} \mathrm{ua}^{31}$
wink, hint, $\mathrm{ni}^{55}{ }^{5} \mathrm{lum}{ }^{55} \mathrm{a}^{31} \mathrm{dza} \mathrm{\eta}{ }^{31} \varepsilon^{55}$
winnow (rice), to, $\mathrm{ci}^{31} \mathrm{l} \mathrm{\varepsilon m}^{33}$
winnow, $\mathrm{di}^{31} \mathrm{~s}^{55} \mathrm{u}^{31}$
winnow, to, $\mathrm{di}^{31} \mathrm{frl}^{55}$
winnowing basket, $\left.\mathrm{s}^{55} \mathrm{ba}^{31} \mathrm{lu}\right)^{31}$
winnowing fan, $\mathrm{la}^{55} \mathrm{ba}^{55}$
winter, $\mathrm{mu}^{31} \mathrm{~d}_{\mathrm{zan}}{ }^{55} \mathrm{dum}^{31} \mathrm{gam}^{53}$
winter (cold weather), $i \varepsilon^{31} t^{h} u \eta^{55}$
winter melon tree, $\mathrm{su}^{31} \mathrm{mus}^{33}$
wipe (table), $\operatorname{cin}^{55}\left(\mathrm{u}^{31}\right), \operatorname{ci}^{55}$ nuy $^{31}$
wipe, wipe off, $\mathrm{ba}^{31} \mathrm{tc}^{\mathrm{h}} \varepsilon \mathrm{m}^{55} \mathrm{u}^{31}$ (dust), $\mathrm{p}^{\mathrm{h}} \mathrm{am}^{31} \mathrm{a}^{55} \mathrm{pu}^{55}$ (desk)
wipe one's bottom, $\mathrm{ni}^{31} \mathrm{si}^{55} \mathrm{si}^{35}$
wipe, to, $\mathrm{ci}^{53}$
wire, $\mathrm{ca}^{31} \mathrm{k}^{\mathrm{h}} \tilde{\mathrm{a}}^{55}$ bun ${ }^{55}$
wire, rubber-coated, ca $^{55} \mathrm{sam}^{31}$ bum ${ }^{55}$
wisdom teeth, $\mathrm{a}^{31} \mathrm{ko}^{55}$
wish, want, be willing, $\eta_{21}{ }^{55}{ }_{S 1} 1^{31}$
wither, $\mathrm{a}^{31}{ }_{n} \mathrm{On}^{55}$ ? $\mathrm{d}_{\mathrm{q}} \varepsilon^{35}$
wither, $\epsilon^{W} \eta^{35} \mathrm{ven}^{55} \mathrm{~Pa}^{31} \mathrm{dza}{ }^{53}$
withered, $\mathrm{a}^{31} \mathrm{di}^{31}$ Qgun ${ }^{55}$ (shrunken)
witness, $\mathrm{di}^{31} \mathrm{dum}^{31} \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a} \mathrm{\eta}{ }^{31} \mathrm{su}^{55}$
wizard; sorcerer, $\mathrm{da}^{31} \mathrm{~s}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
wolf, iu ${ }^{31}$ dzun ${ }^{55}$
woman, female, $\mathrm{t}_{6}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55} \mathrm{za}^{55}$
wood, cur ${ }^{55} \tan ^{55}$
wood borer, cum ${ }^{55}$ Iom $^{33}$
wood cabinet, $¢$ wiy ${ }^{55} \mathrm{ka}^{33}$ tsu $^{33}$
wood carbon, x.IUIn ${ }^{31} ; \mathrm{xen}^{31}\left(\mathrm{xamm}^{31}\right)$
wood; log; timber, cum ${ }^{55} \tan ^{55}$
wood, k. of, $\mathrm{li}^{55} \mathrm{ko}^{55} \mathrm{dzum}{ }^{55}$
wood pile, $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{zum}^{55}, \mathrm{xam}^{55} \mathrm{gua}^{31}$
woodcutter, cui ${ }^{55} \mathrm{ua}^{31} \mathrm{su}^{55}$
wooden partition, $s^{55} \operatorname{lan}^{33} \mathrm{da}^{31} \mathrm{tq}^{\mathrm{h}} \mathrm{a}^{55}$
woodpecker, $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{na}^{55}$
wool (goat), $\mathrm{a}^{31} \mathrm{~b}^{55} \mathrm{~min}^{55}$
wool, fleece, $\mathrm{a}^{31} \mathrm{ian}^{31} \min ^{55}$
wool, knitting, $\epsilon^{55} \mathrm{~min}^{31}$ bum ${ }^{55}$
word; speech; character, $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
word; speech; character, $\mathrm{ST}^{55} \mathrm{va}^{31}$
work, to, $\mathrm{s}^{35} \mathrm{tc}^{\mathrm{h}} \mathrm{in}^{31} \mathrm{ua}^{55} \mathrm{u}^{31}$
work, do work, $\mathrm{ua}^{31} \mathrm{u}^{31}, \mathrm{da}^{53}$
work; labor, $\operatorname{la}^{31} \mathrm{ma}^{35} \mathrm{u}^{33}$
work; labor, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{35}$
worker; laborer, $\mathrm{sl}^{31} \mathrm{lam}^{55} \mathrm{su}^{55}$
world, $\mathrm{mu}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{um}^{31} \mathrm{lan}^{31}$
worm, kind of, $\mathrm{bu}^{31} l \mathrm{lu} \eta^{55} \mathrm{bu}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{55}$
worm; insect, bur ${ }^{31}{ }^{3} \mathrm{lu}^{33}$
worm-eaten, moth-eaten, $\mathrm{Pa}^{55} \mathrm{do}^{33} \mathrm{do}^{33}$
worm, earth, $\mathrm{bu}^{31} \mathrm{Iog}^{31}$
worn (clothing), $\mathrm{ga}^{31} \mathrm{gej}^{55}$
worry, take to heart, $\mathrm{mo}^{31} \mathrm{dzun}^{53} \varepsilon^{31}$
worship Buddha, $\mathrm{ST}^{55} \mathrm{gux}^{31}$
worth, be, $\mathrm{Pa}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{um}^{31} \varepsilon^{33}$
wound; cut, dza ${ }^{33} \mathrm{ma}^{55} \mathrm{sa}^{31}$
wound, sore, $\mathrm{da}^{33} \mathrm{dzu}^{55}$
wounded, injured, $\mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{o}^{31} \mathrm{~d} \mathrm{~g}^{31}$, $\mathrm{di}^{31} \mathrm{la}^{55}$
wrap around, $\left.\mathrm{la}^{31} \mathrm{t}_{\mathrm{h}} \mathrm{h}^{55} \mathrm{di}^{31} \mathrm{t}_{\mathrm{t}}^{\mathrm{h}} \mathrm{w}\right)^{53}$
wrap, to, $\mathrm{gi}^{31} \mathrm{nu}^{31}$
wrap, to, xuan ${ }^{55}, \mathrm{k}^{\mathrm{h}} \mathrm{o}^{33} \mathrm{dzi}^{55}$,
wrap, dumplings, $\mathrm{di}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{35}$
wrap a wound, $\mathrm{d} 7 \mathrm{a}^{33} \mathrm{ma}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{~S} 1^{35}$
wriggler, ts ${ }^{\mathrm{h}} 1^{35} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$
wring, xua $^{53}$ guu $^{31} ; \mathrm{xua}^{55} \mathrm{yu}^{31}$
wring, twist, $\mathrm{du}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{im}^{31}$
wrinkle, $\left.a^{31} d u^{55} g^{m}\right)^{55}$
wrinkle, ruffle, $\mathrm{ga}^{31} \mathrm{mu}{ }^{31} \mathrm{n}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{I} \mathrm{n}^{55}$
wrinkled, creased, $\mathrm{n}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \lim ^{55}$
wrinkled, creased, $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55}$
wrinkles; lines, $\mathrm{a}^{31} \mathrm{dum}^{31}$ gun $^{55}$
wrist watch, $\mathrm{na}^{31} \mathrm{li}^{31}$ (Burmese), $n \varepsilon \mathrm{~m}^{31} \mathrm{~d} \not \mathrm{an}^{31} \mathrm{~d}^{3} \mathrm{~m}^{55}$
write, $\mathrm{a}^{31} \mathrm{zu}^{55}\left(\mathrm{u}^{31}\right)$
write a letter, $1 \varepsilon^{31} \mathrm{Su}^{55} \mathrm{a}^{31} \mathrm{zu}^{53}$
write from memory, $\mathrm{S}^{55} \mathrm{va}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \mathrm{mo}^{55} \mathrm{\gamma o}^{31} \mathrm{li}^{31} \mathrm{u}^{31}$
write, make spots, $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{zu}^{55}$
writing (= book, by extension), ${\$ \tau^{55}}^{55} \mathrm{Va}^{31}$
writing brush, $\mathrm{pi}^{31}$ (Ch.)
writing pad, $\mathrm{S}^{55} \mathrm{va}^{31} \mathrm{pu}^{53}$
wrong, $a^{31} b^{53} b a^{31}$
wrong, $a^{31} \varphi \varepsilon n^{31}\left(n a^{31} b a^{55} a^{31} b a^{31}\right)$
wrong, be; be in a mess, $\mathrm{ma}^{31} \mathrm{du}^{31} \mathrm{dzf}^{31}$
wrought iron, $\varphi \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \tilde{\varepsilon}^{55} \mathrm{nin}^{55}, \mathrm{xu}^{55} \mathrm{mi}^{55}$ (Lisu)
xero, $\mathrm{de}^{33} \mathrm{gan}^{55}$
Xianwei (place name), $\mathrm{ym}^{31} \mathrm{dzu}^{55}$
yak, non ${ }^{31}$ (vowel unclear); uan ${ }^{31}$
yam, nem ${ }^{31} \mathrm{t}^{\mathrm{h}} \mathrm{an}^{55}$
yam, sweet potato, $\mathrm{a}^{55} \mathrm{mum}^{33}$
yam, sweet potato, $a^{31} p^{h} u^{55} t s^{h}{ }^{33}$
yawn, to, $\mathrm{di}^{31} \mathrm{gu}^{31} \mathrm{i}^{31} \mathrm{~d} \not \mathrm{Zum}^{53}$
yawn, to, $\mathrm{a}^{31} \mathrm{sa}^{31} \mathrm{xam}^{55} \varepsilon^{31}$
year after next, $m \varepsilon^{55}$ noun ${ }^{31} \mathrm{ua}^{55}$
year before last, $\left.\mathrm{da}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{u}^{55} \mathrm{n}_{\mathrm{n}} \mathrm{wn}\right)^{33}$
year, last, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{33} \mathrm{ua}^{55}$
year, next, $n \varepsilon^{31}$ so $^{33} \mathrm{ua}^{55}$
year, this, $\mathrm{d} \varepsilon^{31} \mathrm{ni}^{55} \mathrm{uq}^{55}$
year; age, $\mathrm{n}^{31}$ numn ${ }^{55}$; num ${ }^{55}$
year of the chicken (rooster), $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} n_{\mathrm{n}} \mathrm{un}^{33}$
year of the cow, no $\left.{ }^{31} u^{21} \tilde{n}^{31}\right)^{55}$
year of the dog, $\mathrm{d} \varepsilon^{31} \mathrm{~g} \mathrm{I}^{53}$ nown ${ }^{55}$
year of the dragon, $\operatorname{lu}^{31}$ nown ${ }^{55}$
year of the goat, $\mathrm{a}^{31} \mathrm{~b} \varepsilon^{55}$ num ${ }^{33}$
year of the horse, $\mathrm{ma}^{31}$ nown $^{55}$
year of the monkey, $\mathrm{ni}^{31} \mathrm{sa}^{31}$ num ${ }^{55}$
year of the pig, $?_{0}^{55}$ nown $^{33}$
year of the rabbit, $t^{h} o^{31} \mathrm{la}^{55}$ nown $^{33}$
year of the rat, $a^{31} \operatorname{din}^{55}$ num ${ }^{33}$
year of the snake, bur ${ }^{31}$ num ${ }^{55}$
year of the tiger, $a^{31} k^{h} a \eta^{31}$ num ${ }^{55}$
yell, to, ian ${ }^{55}$
yellow, gã ${ }^{55}$ (dried up, withered)
yellow, $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}$
yellow, $\mathrm{S} 1^{55} \mathrm{~S} 1^{55} \mathrm{~mm}^{55}$
yesterday, $\mathrm{ts}^{\mathrm{h}} \mathrm{q}^{55} \mathrm{ni}^{31}, \mathrm{tc}^{\mathrm{h}} \mathrm{i}^{55} n \mathrm{i}^{31}$
yesterday evening, $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ma}^{55} \mathrm{~S} 1^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$
Yi person, $\mathrm{la}^{35} \mathrm{lo}^{33} \mathrm{p}^{\mathrm{h}} \mathrm{w}^{31}$ (Lisu)
Yi nationality, $1 a^{31} \mathrm{bu}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{55}$
yield the road, $\mathrm{S}_{1}^{31} \mathrm{Zln}^{31} \mathrm{~S} 1^{55}$
yoke for crossing a cable bridge, $\mathrm{a}^{31} \mathrm{v} \mathrm{I}^{55}$
yoke, cow, $\mathrm{a}^{55} \mathrm{la}^{55} \mathrm{guy}^{31}$
yoke, connecting, $n \varepsilon^{31} \mathrm{k}^{\mathrm{h}} \mathrm{uq}^{31} \mathrm{p}^{\mathrm{h}} .11^{55}$
yokes, frames, tsi1 ${ }^{55}$
yokes, frames, su ${ }^{33}$
you plural, $\eta^{31}{ }^{31}$ そuı ${ }^{55}$
you (possessive), $n \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
you two, $n \varepsilon^{31}$ num $^{55} \mathrm{si}^{31}$
you, na $^{31}$
young (age), $\mathrm{o}^{31} \mathrm{n}_{\mathrm{L}} \mathrm{min}^{55} \mathrm{tc}^{\mathrm{h}} \varepsilon^{31} \mathrm{~m}^{55}$
young man, $\mathrm{dza}^{31} \mathrm{gu}^{31} 1 \varepsilon^{55}$ (Lisu)
young man, $g u^{31} t G^{h} \mathrm{a}^{55} \mathrm{za}^{55}$
young man, youngster, lad, $\mathrm{di}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{za}^{31}$
young married woman, female, $t 6^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55} \mathrm{za}^{55}$
young $=$ not old, $\mathrm{m}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{man}^{31}$
young woman; girl; daughter, $\mathrm{s} 1^{31} \mathrm{lan}^{55} \mathrm{za}^{55}$
yours, $n a^{31} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
yours (pl.), $n \varepsilon^{31}$ num $y^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
yourself, na $^{31}$ lun ${ }^{55}$
yuan (Chinese dollar), $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{lan}^{55}$

## APPENDIX B

## TEXTS ${ }^{1}$

## Text One: Crossbows

$$
\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55}
$$

Crossbows.


[^32]



| $\begin{aligned} & \mathrm{da}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u} \tilde{a}^{33} \mathrm{dun}^{55} \\ & \text { quiver } \end{aligned}$ | $\begin{aligned} & \operatorname{dun}^{33} \mathrm{a}^{31} . \\ & \text { LOC } \end{aligned}$ | ${s a^{35}}^{31} \mathrm{u}^{31}$ load | $\begin{aligned} & \mathrm{li}^{33} \\ & \text { CONJ } \end{aligned}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathrm{k}^{\mathrm{h}} \mathrm{am}^{55}-\mathrm{k}^{\mathrm{h}} \mathrm{am}^{35}$ | $\mathrm{li}^{33}$, | $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{33} \mathrm{dza}_{\mathrm{l}}{ }^{55}$ <br> wrap | dun ${ }^{33}$ | $\mathrm{a}^{31}$ |  |
| cover-REDUP | conj |  | LOC | DEF |  |
| $s a b^{35} \quad u^{31}$. | $¢ \mathrm{a}^{35} \mathrm{k}^{\mathrm{h}} \tilde{\varepsilon}^{35}$ | $\mathrm{bux}^{55} \quad \mathrm{t}^{\text {h }} \mathrm{a}^{35}$ | $\mathrm{Zl}^{35}$ | ${ }^{31} \mathrm{bo}^{55}$ | $\mathrm{i}^{33}$ |
| load Asp. | hunt | go TEMP | back |  | CONJ |

$\mathrm{bu}^{55} \quad \varepsilon^{31}$.
go IND.

| $\begin{aligned} & \mathrm{ma}^{55} \mathrm{t} \\ & \text { enclo } \end{aligned}$ |  | $\begin{aligned} & \mathrm{t}^{\mathrm{h}} \mathrm{au}^{31} \\ & \text { arrive } \end{aligned}$ | $\begin{aligned} & \mathrm{bu}^{55} \\ & \text { go } \end{aligned}$ | $\begin{aligned} & \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35} \\ & \text { TEMP } \end{aligned}$ | $\begin{aligned} & 6 a^{55} \\ & \text { animal } \end{aligned}$ | $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{za}^{55}$ <br> tracks | $\begin{aligned} & \operatorname{la}^{55} \\ & \text { seek } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathrm{li}^{33}$, | $\mathrm{p}^{\mathrm{h}} \mathrm{m}^{3}$ |  | $\mathrm{za}^{35}$ | $\mathrm{a}^{31} \mathrm{~d}_{7} \mathrm{o}^{33}$ | $n a^{33}$, |  |  |
| CONJ | track |  | see | ASP | CONJ, |  |  |

$\mathrm{di}^{31}{ }^{\mathrm{t}} \mathrm{c}^{\mathrm{h}} \varepsilon \mathrm{E}^{35} \quad \mathrm{li}^{31}, \quad \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55} \quad \mathrm{a}^{31} \mathrm{~d}_{\mathrm{oc}}{ }^{33} \quad \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35} \quad \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{la}^{55}$
follow.tracks CONJ, meet ASP CONJ poisoned.arrow

| $\mathrm{mi}^{53}$ | $\operatorname{van}^{35}$ | $\mathrm{u}^{31}$, | $6 \mathrm{a}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ |
| :--- | :--- | :--- | :--- |
| INSTR | hit | ASP | wild.ox |

$k^{\mathrm{h}} \mathrm{a}^{31} \quad \eta \mathrm{a}^{33} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{la}^{55} \quad \operatorname{vam}^{35} \quad \mathrm{a}^{31} \mathrm{dzoo}^{33} \quad \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35}, \quad$ ¢a $^{55} \mathrm{lu}^{55}$
LOC poisoned.arrow shoot ASP CONJ, iron.arrow
$\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}-$ dam $^{55} \quad \operatorname{vam}^{35} \quad \mathrm{u}^{31}, \quad \mathrm{gu}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35}$
one-CLF hit ASP, TEMP
$\mathrm{a}^{31} \mathrm{iay}^{35} \mathrm{si}^{31} \quad \mathrm{za}^{53} \quad \mathrm{a}^{55} \mathrm{bu}^{55} \quad \mathrm{li}^{33} \mathrm{vi}^{55} \quad \mathrm{~m}^{31} \mathrm{vi}^{55} \varepsilon^{31} \quad \quad \mathrm{no}^{33}$
slowly pursue DIR poisoned neg-poisoned have

| $\mathrm{ba}^{31}$ | dzan |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| ¹ | $\varepsilon^{33}$, | $\mathrm{vi}^{55} \varepsilon^{31}$ | no $^{33}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{35}$, |  |
| LOC | see | IND | poisoned | have | TEMP, |

$\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} 1 \mathrm{l}^{55} \quad \mathrm{k}^{\mathrm{h}} \tilde{\varepsilon}^{35} \quad \mathrm{u}^{55} \quad \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \quad \mathrm{o}^{33} \mathrm{di}^{33} \quad \mathrm{uq}^{35} \mathrm{ua}^{35} \mathrm{uq}^{35} \quad$ na $\tilde{a}^{55}$
poisoned.arrow pull ASP TEMP equal Wa!Wa!Wa! cry
$\varepsilon^{31} \quad \mathrm{xo}^{35} \mathrm{qu}^{33} \mathrm{san}^{55} \quad \mathrm{ba}^{31} \quad$ to $^{33} \quad \mathrm{u}^{31} \mathrm{li}^{33}$,
IND sound LOC listen CONJ
$\mathrm{la}^{55} \quad \mathrm{buw}^{33} \quad \varepsilon^{31} \quad \mathrm{za}^{55} \quad \mathrm{a}^{31} \mathrm{~d}_{\mathrm{p}} \mathrm{o}^{33} \quad \mathrm{qu}^{31} \mathrm{a}^{31} \quad \mathrm{y}^{31} \mathrm{sam}^{31}-\mathrm{sam}^{35}$
seek go IND see ASP DEF skin-REDUP
$\mathrm{li}^{33}, \quad \mathrm{sam}^{35} \quad \mathrm{a}^{31} \mathrm{dzoo}{ }^{33} \quad \eta \mathrm{um}^{31} \mathrm{a}^{31}$
CONJ, peel ASP DEF

| $\mathrm{a}^{31}$ | $\mathrm{p}^{\mathrm{h}} \mathrm{un}^{35} \mathrm{u}^{31}$ | $\mathrm{li}^{33}$, | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ven}^{31}-\mathrm{m}^{31}-$ gun $^{55}-\mathrm{su}^{31}$ | $\mathrm{mu}^{53}$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| cut | open | CON, | God-NEG-discuss-AGT | PL |  |
| $\mathrm{a}^{31} \mathrm{y}^{31}$ | bư ${ }^{31} \operatorname{cin}^{33}$ | $l \varepsilon^{55}$, | $\mathrm{n}^{31} \mathrm{i}^{31} \operatorname{sum}^{33}$ | $\mathrm{l} \varepsilon^{55}$, |  |
| DEF | lung | a.bit | lung | a.bit |  |

$\mathrm{n}^{31} \mathrm{ni}^{31} \mathrm{IOm}^{31} \quad \mathrm{l} \varepsilon^{55}, \quad \mathrm{y}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{za}^{55} \quad l \varepsilon^{55}, \quad \mathrm{y}^{31} \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55} \quad 6 \mathrm{a}^{33}$
heart a.bit, intestine a.bit, head meat
$l \varepsilon^{55}, \quad \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{p}^{31} \quad \mathrm{l} \varepsilon^{55} \quad \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{t}^{\mathrm{h}}{ }^{31} \quad l \varepsilon^{55}$
a.bit, equal a.bit equal a.bit

| S $1^{55} \mathrm{p}^{\mathrm{h}} \mathrm{c}^{31}$ | $k^{\text {h }} \mathrm{a}^{31}$ | $\varphi \mathrm{U}^{35} \mathrm{u}^{31}$ | $1 i^{33}$, |  | $\varphi \mathrm{Um}^{35} \mathrm{u}^{31}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| S1 ${ }^{\text {p }} \mathrm{a}^{3}$ | $\mathrm{k} \mathrm{a}^{3}$ | $\varphi \mathrm{mb}^{35} \mathrm{u}^{31}$ | $1{ }^{3}$, | $\mathrm{s}^{1} \mathrm{n}_{0}-\mathrm{p}$ in ${ }^{\text {a }}$ | $\varphi \mathrm{mu}^{35} \mathrm{u}^{31}$ |

bamboo.strip LOC wear CONJ, seven-slices wear

| $\mathrm{li}^{33}$, | $\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{ian}^{55}$ | $\mathrm{~m}^{31} \mathrm{gu}^{31}$ | $\varepsilon^{33}$, |
| :--- | :--- | :--- | :--- |
| CON, | ghost | sacrifice | IND, |


| $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ven}^{31}-$ guin $^{55}-\mathrm{su}^{33}$ | $\mathrm{mu}^{55}$ | $\mathrm{a}^{31}$, | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{31} \mathrm{ven}^{31} \mathrm{ma}^{55}$ | $\mathrm{su}^{31} \mathrm{gunn}^{55}$ |
| :--- | :--- | :--- | :--- | :--- |
| God-discuss-AGT | PL | DEF, | God | pray |

God PL DEF, God pray

| $\mathrm{ST}^{31} \mathrm{li}^{31}$ | $\mathrm{Pi}^{35} \mathrm{p}^{\mathrm{h}} \mathrm{an}^{33}$ | $\mathrm{si}^{33}$ |
| :--- | :--- | :--- |
| CON C | after | only |

$6 \mathrm{a}^{55} \quad \mathrm{k}^{\mathrm{h}} \mathrm{i}^{33} \quad \varepsilon^{31} \quad \mathrm{l}^{55} \quad \mathrm{k}^{\mathrm{h} \mathrm{i}^{33}} \quad \mathrm{~d} 7 \mathrm{mu}^{33} \quad \mathrm{na}^{33} \quad \mathrm{tc}^{\mathrm{h}} \mathrm{im}^{31}$
meat eat IND a.bit eat ASP CONJ house
$\mathrm{ba}^{31} \quad \mathrm{Z} 1^{55} \quad \mathrm{a}^{31} \mathrm{bo}^{33} \mathrm{li}^{33} \quad \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55}$
LOC back DIR head

| $\eta \mathrm{Ul}^{31} \mathrm{a}^{31}$ | $\varphi a^{55} \operatorname{san}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}$ | $\mathrm{u}^{31} \mathrm{li}^{33}$ | $t 6^{\mathrm{h}} \mathrm{a}^{33} \mathrm{ma}^{31}$ | dun ${ }^{55}$ | $t^{\text {h }} \mathrm{u}^{31}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| DEF | hunter | CONJ | house | LOC | return |

$\mathrm{bu}^{31} \quad \mathrm{\eta u}^{31} \mathrm{a}^{31}, \quad \quad \mathrm{a}^{55} \quad \quad$ Z̨ ${ }^{55}$
DIR DEF beast.spirit Zu ${ }^{55}$

| $\mathrm{di}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{w}^{35}$ | $\mathrm{u}^{31} \mathrm{li}^{33}$, | qư $^{31}$ | $\mathrm{dum}^{35}$ | $\mathrm{u}^{31} \mathrm{li}^{33}$, | $\mathrm{a}^{31} \operatorname{cim}^{55}$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| sacrifice | CONJ | wine | put | cONJ | bamboo.slices |


| $\mathrm{t} \mathrm{c}^{\mathrm{h}} \tilde{\mathrm{a}}^{35}$ | $\mathrm{u}^{31} \mathrm{li}^{33}$, | $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55}$ | $\mathrm{na}{ }^{31}$ |
| :--- | :--- | :--- | :--- | :--- |
| insert | CONJ, | household | crossbow | CON |

$\mathrm{ni}^{31} \quad \mathrm{a}^{31} \operatorname{lin}^{33} \quad \mathrm{bum}^{33} \mathrm{u}^{31} \quad \mathrm{qu}^{31} \quad \mathrm{a}^{31} \mathrm{io}^{31} \quad \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{na}^{55} \quad \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{uy}^{55}$
ABL run DIR DEF I crossbow head
$\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} l \varepsilon^{33} \quad \mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}^{55}$
LOC meet
iun ${ }^{55}, \quad u q a^{55} \mathrm{li}^{31} \quad \mathrm{~m}^{31} \mathrm{dzq}^{35} \mathrm{u}^{31} . \quad \mathrm{y}^{31} \quad \operatorname{ca}^{33} \quad \mathrm{qu}^{31} \mathrm{a}^{31} \quad \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}-\mathrm{dzu}^{31}$ DIR like.that opening. he meat DEF one-village $\mathrm{ba}^{31} \quad \mathrm{mu}^{31} \mathrm{gam}^{31}$
LOC rich


## Anong Text One: Crossbows

The Nu people live in a region with big and steeply sloped mountains and valleys that are filled with huge trees and thick forests. There are a lot of animals in those forests. The Nu used to hunt those animals with bow and arrow. The tongue of the bow is usually made of mulberry wood. The bow is made of wood from $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{33}, \lim ^{31}$, or dzi ${ }^{31} \mathrm{zq}^{55}$ trees. When making the bow, a groove for the arrow has to be carved. The bowstring is usually tightened with hemp string. A trigger mechanism has to be installed in the shooting component. Arrows are usually made of bamboo named $\mathrm{a}^{31} \mathrm{lu}^{31}$. Arrows made of the tha $\mathrm{u}^{31} \mathrm{ua}^{55}$ 'dragon bamboo' are usually of poor quality. Also, arrows must be made of old bamboo. One year old bamboo can not be used to make arrows. Some of the red color old bamboos are the best. Arrows made of such bamboo would not warp. The plain arrows cannot kill wild animals. Poisonous arrows must be made for such purposes. It is not easy to make poisonous arrows. The poison used to make poisonous arrows can only be found in the snow-capped mountains. When a hunter found the poisonous weed in a snow mountain, he would dig around it to pull out the root of the plant. Then the hunter would give out cries of happiness as he rolls on the ground. Each time he found one, he would cry out with joy while rolling on the ground, just as happy as when he catches an animal in hunting. After digging out the poisonous weed, the hunter would wrap it up in moss and bring it home. Then he would wrap it up well with palm skin to bake it over fire. A year
later, when the weed is thoroughly dry, the hunter would bury it in hot ash for a while to soften it before pounding it into powder using a mortar and pestle. The hunter would shave a thin layer off the surface of the part of the arrow head which he would smear with the poisonous powder. The poisonous arrows are then stored in a securely covered arrow holder. On a hunting trip, the hunter would keep the poisonous arrows in an arrow bag.

When the hunter reaches the area frequented by animals, he would follow the animals' tracks. When he comes across a big animal, he would shoot it with the poisonous arrow. When hunting wild oxen, he uses arrows with metal shell heads. When he hits the target, he takes his time to see the effect of the poison. When he sees the poison taking its effect in killing the animal, he would cry out with joy and roll on the ground, just as when he found the poisonous weed. Then he would skin the animal and cut it open. Those hunters who are not religious would cut a small piece of the animal's liver, lungs, heart, kidney and head and put them on a bamboo skewer to offer as a sacrifice to the ghost. Religious hunters would pray to God before roasting some meat over fire to eat. After the game is carried home, a sacrifice table will be set up with wine and bamboo strips to pray that on the next hunting trip, he will find animals frequently, and that even if other hunters come across animals, the animals will escape from them. After that, the meat would be divided equally among villagers regardless of whether they are rich or poor or single or orphaned. The head and feet of the game are used to make soup to be shared by the members of the hunter's family.

Text Two: Overhead Cables and Boats

| $\mathrm{a}^{31} \operatorname{lan}^{55}$ | $\mathrm{si}^{55}$ | $\mathrm{a}^{31} \mathrm{sux}^{31}$ |
| :--- | :--- | :--- |
| overhead cables | and | boats |




| $\mathrm{a}^{31} \mathrm{lam}^{31}$ | $\mathrm{qu}^{31} \mathrm{a}^{31}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{55}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{am}^{55}$ | $\mathrm{gux}^{31}$ | $\mathrm{~m}^{31} \mathrm{la}^{55}$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| bamboo.strip | DEF | what | bamboo | also | NEG- good |

$\varepsilon^{33} . \quad \mathrm{m}^{55} \mathrm{t}^{\mathrm{h}} \mathrm{am}^{55} \quad \mathrm{ba}^{31} \quad \mathrm{io}^{53} \quad \eta \mathrm{um}^{31} \mathrm{a}^{31}$
IND. mountain.top LOC have DEF
$a^{31} \operatorname{ban}^{55} \quad \mathrm{a}^{31} \operatorname{lam}^{31} \quad \mathrm{si}^{55} \quad \not \mathrm{a}^{55} \quad \varepsilon^{33}, \quad \mathrm{mu}^{33} \mathrm{zu}^{31} \quad \mathrm{t}^{\mathrm{h}} \mathrm{ur}^{31}$ bamboo.strip CLF only good IND, summer arrive

| nu $^{33}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{35}$ | $\mathrm{a}^{31} \mathrm{gury}^{55}$ | $\mathrm{l}^{33}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}$-zam $^{55}$ |
| :--- | :--- | :--- | :--- | :--- |
| DEF | CON | discuss | CON | one-house |

$\mathrm{a}^{31} \operatorname{ban}^{35} \quad \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}-\mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} \quad \mathrm{tt}^{\mathrm{h}} \varepsilon \mathrm{m}^{53} \quad \mathrm{li}^{33} \quad \mathrm{a}^{31} \mathrm{di}^{31} \quad \mathrm{k}^{\mathrm{h}} \mathrm{om}^{31}$
bamboo.strip one-ten split.open CONJ REC put.together
$\varepsilon^{31}, \quad \mathrm{a}^{31} \operatorname{ban}^{55} \quad \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}-\mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55} \quad \eta \mathrm{u}^{31} \mathrm{a}^{31}$

IND, bamboo.strip one-ten DEF
$\varphi \varepsilon n^{55}-$ ts $^{\mathrm{h}} \mathrm{a}^{55} \quad \mathrm{t} \epsilon^{\mathrm{h}} \varepsilon \mathrm{m}^{53} \quad \mathrm{a}^{31} \mathrm{n} \varepsilon^{33}, \quad \mathrm{t} \epsilon^{\mathrm{h}} \varepsilon \mathrm{m}^{33} \mathrm{a}^{31} \quad \mathrm{~d} \not \mathrm{c} \mathrm{o}^{33} \quad \mathrm{na}^{33}$
eight-ten slices have split.open ASP CON
$a^{31} \operatorname{lay}^{55} \quad \mathrm{t}^{\mathrm{h}} \mathrm{an}^{31} \mathrm{ba}^{31}, \quad \mathrm{ca}^{31} \mathrm{na}^{31} \quad \mathrm{bo}^{33} \quad \mathrm{li}^{33}$, overhead.cable LoC pull go conj

| $\begin{aligned} & \mathrm{a}^{31} \mathrm{lan}^{55} \\ & \text { cable } \end{aligned}$ | $\text { nump }{ }^{55}$ <br> twist | $\begin{aligned} & \mathrm{bu}^{31} \varepsilon \\ & \text { DIR } \end{aligned}$ |  | $\begin{aligned} & \mathrm{Pi}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \\ & \text { next } \end{aligned}$ | $\begin{aligned} & \mathrm{t}^{\mathrm{h}} \mathrm{u}^{31} \\ & \text { arrive } \end{aligned}$ | $\begin{aligned} & \mathrm{bu}^{31} \\ & \text { DIR } \end{aligned}$ | $\eta_{\mathrm{DEF}}^{31} \mathrm{a}^{31},$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ba}^{31}$ | $b a^{33} i^{55}$ |  |  |  |  |  |  |



| $\begin{aligned} & \text { xuan }^{53} \\ & \text { coil } \end{aligned}$ | $\begin{aligned} & \mathrm{a}^{31} \mathrm{bo}^{33} \\ & \text { DIR } \end{aligned}$ | $\epsilon \varepsilon n^{55}-\mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$ <br> eight-ten |  | $\begin{aligned} & \operatorname{lam}^{33} \\ & \text { armspan } \end{aligned}$ | $\begin{aligned} & \mathrm{dan}^{33} \\ & \text { many } \end{aligned}$ | $\begin{aligned} & \mathrm{t}^{\mathrm{t}} \mathrm{a}^{35}, \\ & \text { TEMP, } \end{aligned}$ | $\begin{aligned} & \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{~g}_{\mathrm{n}}{ }^{35} \\ & \text { put.place } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathrm{li}^{33}$ | $\begin{aligned} & \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{i}^{31} \\ & \text { in.addition } \end{aligned}$ |  | $\mathrm{t}^{\text {h }}{ }^{55}$-bui ${ }^{55}$ |  |  |  |  |
| CONJ |  |  | -root |  |  |  |  |
| nuwn ${ }^{55}$ | $\varepsilon^{31}$, | $\mathrm{xo}^{31} \mathrm{io}^{55}$ | som ${ }^{3}$ | buis ${ }^{55}$ | num ${ }^{55}$ | $\mathrm{a}^{31} \mathrm{~d} \mathrm{mo}^{33}$ | $t^{\text {h }}{ }^{35}$, |
| twist | IND. | like.that | three | root | twist | ASP | TEMP |
| som ${ }^{31}$ | buy ${ }^{55}$ | $\mathrm{da}^{33} \mathrm{si}^{55}$ | num | $\mathrm{li}^{33}$. |  |  |  |
| three | root | together | twist | CONJ. |  |  |  |


| $\mathrm{dan})^{35}$ <br> compete | $\begin{aligned} & a^{31} \mathrm{~d} \not \mathrm{o}^{33} \\ & \text { ASP } \end{aligned}$ | $\underset{\mathrm{DEF}}{\mathrm{nw}^{31} \mathrm{a}^{31}}$ | $\begin{aligned} & \operatorname{gua}^{31} t^{\text {h }} \mathrm{a}^{35} \\ & \operatorname{man} \end{aligned}$ | $\mathrm{mu}_{\text {PL }}{ }^{53}$ | $\begin{aligned} & \eta \mathrm{u}^{31} \\ & \mathrm{DEF} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathrm{k}^{\mathrm{h}} \mathbf{u}^{31} t \varphi^{\mathrm{h}} \tilde{\varepsilon}^{53}$ <br> opposite | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55} \mathrm{ba}^{31}$ <br> part.of | $\begin{aligned} & \mathrm{dz} 1^{55} \\ & \text { walk } \end{aligned}$ | $\begin{aligned} & \mathrm{buw}^{31} \mathrm{l}^{33}, \\ & \text { DIR, } \end{aligned}$ |  |  |




| $\mathrm{a}^{31} \mathrm{vzi}^{55}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{uã}^{31}$ | $\mathrm{ba}^{31}$ | $\mathrm{cu}^{35} \mathrm{u}^{31}$ | $\mathrm{li}^{33}$ | $\mathrm{a}^{31} \mathrm{lay}^{55}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | $\mathrm{va}^{35}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| slide.help | hole | LOC | wear | CON | cable | LOC | fasten |

$\mathrm{u}^{31} . \quad \mathrm{t}^{\mathrm{h} \mathrm{i}^{55}}-\mathrm{tc}^{\mathrm{h}} \tilde{\mathrm{a}}^{33} \quad \eta \mathrm{w}^{31} \mathrm{a}^{31} \quad \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{a}^{31}$
asp. one-side DEF person

$\mathrm{ga}^{55} \mathrm{lu}^{31} \quad \mathrm{ba}^{31} \quad \mathrm{dzom}^{31} \quad \$ 1^{55} \mathrm{l}^{33} \quad \mathrm{~s} 1^{31}-\mathrm{lun}^{55} \quad \mathrm{bu}{ }^{55} \varepsilon^{33}$,
back LOC seize CONJ CAUs-slippery go,
$\mathrm{gu}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35} \quad \mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} t \varphi^{\mathrm{h}} \tilde{\varepsilon}^{53} \quad \mathrm{t}^{\mathrm{h}} \mathrm{u}^{31} \quad \mathrm{bu} \mathrm{m}^{31} \varepsilon^{31}$.
then that.side arrive DIR.


| $\mathbb{S 1}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35}$ | $\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55}-\mathrm{d} \varepsilon \mathrm{m}^{55}$ | $\mathrm{bu}{ }^{31} \varepsilon^{31}$. |
| :--- | :--- | :--- |
| CON J | cut.off-NOM | IND. |


| $\mathrm{ud}^{33} \mathrm{su}^{55}$ <br> before | $\begin{aligned} & \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35} \\ & \text { TEMP } \end{aligned}$ | $\mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{an}^{31}$ <br> person | $\begin{aligned} & \mathrm{t}^{\mathrm{h} \mathrm{i}^{31}-\mathrm{io}}{ }^{55} \\ & \text { one-cLF } \end{aligned}$ | $\begin{aligned} & \eta_{\mathrm{DEF}}{ }^{31} \end{aligned}$ | $\mathrm{k}^{\mathrm{h}} \mathbf{u}^{31} \mathrm{t} \boldsymbol{q}^{\mathrm{h}} \tilde{\varepsilon}^{53}$ <br> opposite |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathrm{a}^{31} \mathrm{ni}^{53}$ | nõ ${ }^{31} \mathrm{u} \tilde{\sim}^{31}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}-\mathrm{dum}^{31}$ | $v \mathrm{vn}^{35}$ | $\varepsilon^{31}$ |  |
| ABL | ox | one-cla | buy | IND |  |





| $\mathrm{y}^{31} \mathrm{ni}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{uq}^{53}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{53}$ | $\mathrm{\eta u}^{31} \mathrm{a}^{31}$ |
| :--- | :--- | :--- |
| tail | LOC | DEF |


$\mathrm{Po}^{55} \mathrm{k}^{\mathrm{h}} \mathrm{e}^{31} \quad \mathrm{p}^{\mathrm{h}} \mathrm{a}^{35} \mathrm{no}^{31}$,
that.place fasten


| $\mathrm{d} \varepsilon^{31} \mathrm{ni}^{\text {5 }}{ }^{5} \mathrm{uq}^{55}$ | $5 \mathrm{si}^{55}$ | io ${ }^{55}$ | $\eta \mathrm{mu}^{31}$ | $\mathrm{mu}^{53}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{S}^{55}-\mathrm{ts}^{\mathrm{h}} \mathrm{a}^{55}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| this.year | only | have | DEF | PL | one-ten | root |
| $t^{h} a^{53}$, above, | $\begin{aligned} & \mathrm{ua}^{55} \mathrm{u}^{31} \\ & \text { do } \end{aligned}$ | $\begin{aligned} & \mathrm{li}^{33} \\ & \text { CON } \end{aligned}$ | $a^{31} t_{s^{h}} 1^{55}$ <br> sand | $\mathrm{dzan})^{31}$ <br> beach |  |  |



| $\mathrm{bo}^{33}$ | $\mathrm{Po}^{33} \mathrm{di}^{33}$ | $\mathrm{ua}^{55}$ | $\mathrm{u}^{31} \mathrm{l}^{33}$, |
| :--- | :--- | :--- | :--- |
| DIR | like.that | do | CON, |


| $\mathrm{a}^{31} \mathrm{sum}^{31}$ | $\left.\mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{u}\right)^{55}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ | $\mathrm{xam}^{33} \mathrm{da}^{33}$ | $\mathrm{ua}^{33}$ | ${ }^{55}-\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| boat | head | Loc |  | d | -ro |

$\mathrm{t}^{\mathrm{h} \mathrm{i}^{31}-\mathrm{k}^{\mathrm{h}} \mathrm{o}^{35}} \quad \mathrm{mi}^{53} \quad \mathrm{p}^{\mathrm{h}} \mathrm{a}^{35} \mathrm{no}^{33} \quad \mathrm{di}^{31} \mathrm{dur}^{33} \quad \varepsilon^{31}$
$\mathrm{a}^{31} \mathrm{ni}^{55}-\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55} \quad \mathrm{p}^{\mathrm{h}} \mathrm{a}^{35} \mathrm{\eta}^{33}, \quad \mathrm{y}^{31} \mathrm{n}_{\mathrm{i}}{ }^{31} \mathrm{t}_{\mathrm{c}}{ }^{\mathrm{h}} \mathrm{un}^{55} \quad \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \quad \mathrm{t}^{\mathrm{h}} \mathrm{i}^{31}-\mathrm{k}^{\mathrm{h}} \mathrm{o}^{55}$
two-root fasten tail LOC one-root
$p^{\mathrm{h}} \mathrm{a}^{35} \mathrm{no}^{33} \quad \mathrm{a}^{31} \mathrm{sum}^{31} \quad \operatorname{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55} \quad \mathrm{ba}^{31}$
fasten boat head LOC

bamboo.strip fix CONJ side LOC fasten-NOM

| $\mathrm{ua}^{55}$ | $\mathrm{u}^{31}$ | $\mathrm{a}^{31} \mathrm{suc}^{31}$ | $\mathrm{a}^{31} \mathrm{vzi}^{55}$ | $\eta \mathrm{~m}^{31} \mathrm{a}^{31}$ |
| :--- | :--- | :--- | :--- | :--- |
| do | ASP | boat | starch | DEF |

$\mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}-\mathrm{lam}^{33} \quad \mathrm{n}_{\mathrm{a}} \tilde{\mathrm{a}}^{31} \quad \mathrm{uq}^{55} \quad \mathrm{o}^{33} \mathrm{li}^{33}, \quad \mathrm{k}^{\mathrm{h}} \mathrm{am}^{33} \quad \mathrm{la}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{ug}^{55} \quad \mathrm{ba}^{33}$
one-armspan long do conj bamboo head LOC
$\left.\eta \mathrm{um}^{31} \mathrm{a}^{31} \quad \mathrm{Sl}^{55} \mathrm{laq}^{31} \quad \operatorname{la}^{31} \mathrm{p}^{\mathrm{h}} u\right)^{55}$
DEF starch head
$\mathrm{dzan}^{35} \quad \mathrm{u}^{31} \mathrm{li}^{33} \quad \mathrm{zam}^{55} \quad \varepsilon^{31} \quad \mathrm{gux}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35} \quad \mathrm{k}^{\mathrm{h}} \mathrm{u}^{31}-\mathrm{tc}^{\mathrm{h}} \tilde{\varepsilon}^{55}$
load CONJ row IND then that-side
$\mathrm{i}^{31}-\mathrm{t}^{\mathrm{h}} \tilde{\varepsilon}^{55} \quad \mathrm{dz} 1^{33} \quad$ fa $^{33} \quad \mathrm{bu}{ }^{31} \quad \varepsilon^{31}$.
this-side walk good DIR IND.

## Anong Text Two: Sliding Cables and Boats

In the past, transportation between the two sides of the Nujiang was very difficult. The ancestors used to make ropes out of bamboo strips, which they called sliding cables, to use as a means of crossing the river. What kind of bamboo strips are the best for making sliding cables? Usually, a special variety of bamboo used specifically for producing bamboo strips is preferable. When the summer comes, people begin to discuss plans for making the cables. Each household is responsible for cutting ten bamboo from the mountains and producing 80 bamboo strips. Then all of the bamboo strips will be gathered together to be transported to the spot where the sliding cable across the Nujiang will be installed. To install the sliding cable, first three poles of a kind of tree called $\mathrm{ba}^{33} \mathrm{ia}^{33} \mathrm{gur}^{31}$ have to be found. Then a hole is dug in the ground. The three poles are inserted into the hole which is then filled with stones to make sure that the poles are solidly secured. Then one person will put 10 bamboo strips together as the center of a cable (like intestines) which are held together tightly while others wrap bamboo strips around the bundle. Where two bamboo strips meet, the ends are inserted into the center bundle so that no rough ends will stick out. When the cable reaches 80 chi ( $=87.28$ feet) in length, it is put aside. When three such cables are made, they are combined to make the big cable to be used as the sliding cable. When the big cable is completed, some men will find a way to get to the other side of the river while pulling one end of the big cable with them. Once they reach the other side of the river, they securely fasten the big cable to a wooden pole. Then the big cable is pulled taut. To use the sliding cable to cross the river, it needs a sliding harness, which is made of a hollowed-out section of a type of hard wood from southern China. It is about the length of three handspans between the tip of the middle finger and the tip of the thumb (= two feet). Sometimes it is two spans (= about one and a half feet) in length. The back of the harness has a hole below which there is a ladder. To slide across the river, a rope is threaded through the harness hole with the lower part being fastened to the person's pelvis, abdomen, and neck areas. The person grabs onto the back of the harness while sliding to the other side of the river.

Each year, the cable has to be replaced twice or three times. If it is not replaced in a timely manner, the cable may snap when being used. One time, there was this person who bought a cow from a place on
the other side of the river. He tried to slide the cow across the river. When the cow reached the middle, another person slid to the middle to reach the cow to secure the cow to the sliding harness with bamboo strips. At that point, the cow started to sway making the sliding cable sway with it. All of a sudden, the cable snapped, and that person fell into the river with the cow. Both were drowned and they never found that person's body.

In winter, when the river tide is low, wooden boats are used. The material used for making the boat comes from the mountain where bamboo for making bamboo strips can be found. They look for trees that are as big as a house. Once they find one, they cut it down. All of the young men from the village would go to cut out the inside based on the length they need for making the boat. Some dig out the inside of the middle while others dig out the inside of the ends. Then it is placed in the sun to air dry. Dozens of days later, it is brought back down to the riverside. If the tree is too big to be transported by a few dozen people, then everybody from the village take part in the effort. Some pull in the front, some push from the back, and some use wooden poles to pry it along. Sometimes it takes two days to drag it to the riverside. Usually, this kind of boat is made up of two hollowed-out logs both ends of which and the middle are fastened together using wooden poles to make them into the shape of a boat. At the head of the boat, there is an oar made of golden bamboo, and at the end of the boat, a hole is made for the rudder that is made of golden bamboo and wood. This enables the boat to turn so that it can be rowed back and forth between the two sides of the river.

Another kind of boat is made of dragon bamboo. One-year-old dragon bamboo is no good for making the boat. Usually ten or more bamboo poles are needed and the boat is usually made on the beach of the river. The bamboo pole in the center is a bit longer and each of the subsequent ones is slightly shorter on both sides of the center pole producing an arrow head shape of the head of the boat. The head, middle and end of the boat are also secured using wooden poles fastened with bamboo strips. An arms' length (= 5 to 6 feet) oar made of bamboo is used to row the boat back and forth between the two sides of the river.

## Text Three: Pythons

$\operatorname{lan}^{55}$
pythons

$$
\begin{aligned}
& \mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{zam}^{55} \quad \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35} \quad \mathrm{y}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ar}^{31} \quad \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}-\mathrm{bum}^{31} \mathrm{zom}^{35} \quad \eta 0^{55} \quad \varepsilon^{31}, \\
& \text { formerly TEMP person one-house have IND, } \\
& \mathrm{y}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{mu}^{31} \quad \mathrm{kuy}^{55}-\text { iop }^{55} \\
& \text { girl } \\
& \text { six-CLF }
\end{aligned}
$$




 stay ASP, first rest DIR CONJ rest TEMP,

| $\mathrm{a}^{31} \mathrm{io}^{31}$ | la $^{31} \mathrm{p}^{\mathrm{h}} \mathrm{un}^{55}$ | $\mathrm{a}^{31}$ |
| :--- | :--- | :--- |
| I | head | DEF |


louse seek DIR speak ASP, head louse
$l a^{53} \mathrm{u}^{31} \quad \mathrm{ua}^{33} \quad \eta \mathrm{u}^{31} \mathrm{a}^{31} \quad \mathrm{bu}^{31} \quad \mathrm{t}^{\mathrm{h}} \mathrm{in}^{55} \quad \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}-\mathrm{bum}^{31}$
seek ASP DEF snake slough one-CLF

have ASP, louse DEF NEG-have ASP, snake slough
$\mathrm{si}^{55} \quad \mathrm{a}^{31} \mathrm{n}^{55} \quad \mathrm{i}^{33} \quad \mathrm{~g} \varepsilon \mathrm{n}^{31} \quad \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35}$
only have ASP speak TEMP
$t^{\mathrm{h}} \mathrm{ur}^{55} \quad \mathrm{a}^{31} \quad \eta^{33}{ }^{3} \varepsilon^{33} \quad \mathrm{ua}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35}, \quad \mathrm{bu}^{31} \quad \mathrm{tc}^{\mathrm{h}} \mathrm{in}^{55} \quad \eta \mathrm{um}^{31} \quad \mathrm{a}^{31} \mathrm{dan}^{55}$
gather out DIR TEMP snake slough DEF all
$t^{h} \mathrm{u}^{53} \quad \varepsilon^{31} \mathrm{~d} \not \varepsilon^{33} \mathrm{ua}^{33}, \quad \mathrm{gu}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35}$
gather DIR then

| $l^{55}$ | $d z \varepsilon^{35} \mathrm{u}^{33}$. | $\mathrm{tq}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{31}$ | duy $^{35}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{dza}^{31}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{35}$, |
| :--- | :--- | :--- | :--- | :--- | :--- |
| return | ASP. | house | LOC | arrive | TEMP |


| $\mathrm{a}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{ar}^{55}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{ua}^{31}$ | $\mathrm{dun}^{31}$ | $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$ |
| :--- | :--- | :--- | :--- |
| mountain.valley | hole | big | PRT |


$\eta \mathrm{o}^{55} \quad \mathrm{a}^{31} \mathrm{ni}^{55} \quad \mathrm{gur}^{33} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35} \quad \mathrm{y}^{31} \mathrm{mum}^{31} \mathrm{dza}^{53} \quad \mathrm{dzq}{ }^{55} \quad \mathrm{~d} \not \varepsilon^{35} \mathrm{uq}^{33}$, have INCH then w's.parents.home walk ASP

| $\mathrm{n}^{31} \mathrm{mur}^{31} \mathrm{dza}^{53}$ | $\mathrm{t}^{\mathrm{h} \cdot \mathrm{i}^{5}} \mathrm{k}^{\mathrm{h}} \mathrm{u} \tilde{\varepsilon}^{33}$ |
| :--- | :--- |
| w's.parents.home | one-section |



| $\operatorname{cin}^{31}$ | $\varepsilon^{31} \mathrm{ba}^{33} \mathrm{ua}^{33}$, | $\mathrm{t}^{\mathrm{h} \mathrm{i}^{31} \mathrm{za}^{31}}$ | dur $^{53}$ | Co $^{33} \mathrm{lo}^{55}$ | $\mathrm{t}^{\mathrm{h} \mathrm{i}^{31}-\mathrm{dzum}}{ }^{55}$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| carry | IND, | path | LOC | coral | one-CLF |


| zom ${ }^{35}$ | S1 ${ }^{31}$ | $\mathrm{ua}^{33} \mathrm{li}^{33}$ | $\mathrm{a}^{31}$ | guy ${ }^{55}$ | $\varepsilon^{33} \mathrm{ua}^{33}$ | $g u^{33} t^{\text {h }} \mathrm{a}^{35}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| pick | IMP | CONJ | REC | discuss | ASP | then |
| $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{31}$ |  | $\mathrm{n}^{31} \mathrm{mur}^{31}$ | $\mathrm{ba}^{31}$ |  |  |  |
| girl |  | mama | IO |  |  |  |


| $\mathrm{dan}^{55}$ | $\mathrm{S1}^{31}$ | $\mathrm{dza}^{55} \mathrm{u}^{33} \mathrm{ua}^{33}$, | $\mathrm{y}^{31}$ | $\mathrm{ma}^{31} \mathrm{na}^{53}$ | $\mathrm{dan}^{55}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{u}^{31}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| climb | cry | ASP, | he | highest.point | climb | arrive |

$\mathrm{dza}_{\mathrm{l}}{ }^{33} \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35} \quad \mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{55} \quad \mathrm{num}^{33} \quad \mathrm{ba}^{31}$
TEMP girl DEF IO
$\mathrm{a}^{31} \mathrm{vu}^{35} \quad \mathrm{mi}^{53} \quad \mathrm{t}^{\mathrm{h}} \mathrm{i}^{33}{ }^{33} \quad \mathrm{uq}^{31} \mathrm{li}^{33}, \quad \mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{31} \quad \mathrm{a}^{31} \mathrm{yw}^{55} \quad \mathrm{a}^{31} \mathrm{ni}^{55}$
hand INSTR pinch CONJ, girl cry INCH
$\mathrm{t}^{\mathrm{h}} \mathrm{a}^{35}, \quad \mathrm{ka}^{55} \mathrm{ts}^{\mathrm{h}}{ }^{31}{ }^{31} \mathrm{lan}^{53}$
TEMP, why




| $\begin{aligned} & \mathrm{Pi}^{55} \mathrm{p}^{\mathrm{h}} \mathrm{ar}^{33} \\ & \text { after } \end{aligned}$ | $\begin{aligned} & \mathrm{a}^{31} \\ & \mathrm{DEF} \end{aligned}$ | $\begin{aligned} & \mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{31} \\ & \text { child } \end{aligned}$ | $\begin{array}{ll} \mathrm{gu}^{31} & \mathrm{ta}^{53} \\ \text { also } & \text { big } \end{array}$ | $\mathrm{ni}^{33}, \quad \mathrm{nc}$ INCH, | $\begin{aligned} & \text { nón }^{31} \mathrm{u} \tilde{a}^{31} \\ & \mathrm{ox} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathrm{a}^{31} \mathrm{tc}^{\mathrm{h}} \mathrm{u}^{31}$ | $\mathrm{d}_{7} \mathrm{O}^{31} \mathrm{a}^{31} \quad \mathrm{ni}^{33}$ |  |  |  |  |
| put | can INCH |  |  |  |  |
| $\mathrm{y}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{w}^{31}$ | $\mathrm{mi}^{53}$ | nơ ${ }^{31} \mathrm{ua} \tilde{a}^{31}$ | $\left.\mathrm{a}^{31} t \mathrm{c}^{\mathrm{h}} \mathrm{u}\right)^{31}$ | $S_{1} 1^{31} \mathrm{dza}_{\mathrm{l}}{ }^{55}$ | $u^{31} \mathrm{ua}^{33}$, |
| 3P father | caus | S ox | put |  | ASP, |
| $\mathrm{t}^{\mathrm{h}} \mathrm{F}^{55}-\mathrm{n} \mathrm{i}^{33}$ | $\begin{array}{ll} \eta \mathrm{w}^{31} \mathrm{a}^{31}, & \text { ts }^{\mathrm{h}} 1^{31} \mathrm{dom}^{55} \\ \text { lake } \end{array}$ |  |  |  |  |
| one-day |  |  |  |  |  |
| dun ${ }^{55}$ | $\mathrm{mi}^{53}$ | $\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{55} \quad ¢ \varepsilon^{31} \mathrm{n}$ | nem ${ }^{53} \quad \eta 山^{31}$ | $\operatorname{lan}^{55} \mathrm{c}^{31}$ | $\eta \mathrm{a}^{33} \mathrm{li}{ }^{33}$, |
| LOC | caus | bird beau | tiful DEF | come.out | DIR, |

$\mathrm{si}^{55} \mathrm{li}^{55} \mathrm{si}^{55} \mathrm{li}^{55} \mathrm{yo}^{31}$,
(bird cry)

| $\mathrm{d} \varepsilon^{31} \mathrm{gqu}^{55} \mathrm{Po}^{55} \eta \mathrm{u}^{31}!$ <br> messy dog! | $\mathrm{di}^{31} \mathrm{t}^{\mathrm{h}} \mathrm{w}^{55}$ orphan | $\begin{aligned} & \mathrm{k}^{\mathrm{h}} \mathrm{a}^{33} \mathrm{ca}^{33} \\ & \text { IO } \end{aligned}$ | $\mathrm{m}^{31} \mathrm{Yo}^{31}$ <br> NEG-abuse | $\begin{aligned} & \mathrm{d} \varepsilon^{53} ? \\ & \text { MOOD? } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{ll} \mathrm{li}^{33} \mathrm{n} \tilde{\mathrm{a}}^{33} & \mathrm{a}^{33} \mathrm{uq}^{33}, \\ \mathrm{cry} & \text { ASP, } \end{array}$ | $t^{6} \mathrm{a}^{\mathrm{h} 1} \mathrm{ma}^{5}$ child |  |  |  |

(abusive language!)

DEF name shout CONJ, ox put-AGT DEF,
$\mathrm{Po}^{55} \mathrm{qu}^{31} \quad \mathrm{san}^{55} \quad \mathrm{ba}^{31}$
that-CLF sound LOC

listen CONJ, ox look NEG-have TEMP, ox
$\begin{array}{lll}\text { nuw }^{31} & \mathrm{a}^{31} \mathrm{ts}^{\mathrm{h}} \mathrm{ar}^{31} & \mathrm{mu}^{31} \mathrm{dza}^{31} \\ \text { DEF } & \text { person } & \text { crops }\end{array}$
DEF person crops

| $\varepsilon \mathrm{m}^{55}$ | $\mathrm{ba}^{31}$ | $2 i^{55} p^{\text {h }}$ an ${ }^{33}$ | $n \mathrm{il}^{55}$ | $\eta \mathrm{u}^{31}$ | $\left.\mathrm{a}^{31} \mathrm{t}^{\text {b }} \mathrm{u}\right)^{31}$ | $\mathrm{dza}_{[1}{ }^{33}$ | $\mathrm{gux}^{33}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| eat | DIR | after | day | DEF | put | ASP | also |
| $\mathrm{n}^{31}$ | bun $^{31}$ | $\eta \mathrm{mu}^{31} \mathrm{a}^{31}$ |  |  |  |  |  |
| he | name | DEF |  |  |  |  |  |


| s $\tilde{\varepsilon}^{55} \tilde{\mathrm{u}}^{31}$ | $\mathrm{li}^{33}$, | Po ${ }^{35} \mathrm{di}^{33}$ | $\mathrm{si}^{55} \mathrm{l}{ }^{55} \mathrm{si}^{33} \mathrm{li}^{33}$ | $n \tilde{a}^{53}$ | $\mathrm{a}^{31} \mathrm{u}^{33}$, |
| :---: | :---: | :---: | :---: | :---: | :---: |
| (bird.cry) | CONJ, | like.that | (bird.cry) | cry | CONJ, |
| Po ${ }^{55} \mathrm{qu}^{31}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{o}^{53}$ | $\mathrm{t}^{\mathrm{h}} \mathrm{a}^{35}$, | no $\tilde{0}^{31} \mathrm{u} \tilde{\mathrm{a}}^{31}$ | $\eta \mathrm{mu}^{31}$ |  |
| like.that | listen | TEMP | ox | DEF |  |



$\mathrm{p}^{\mathrm{h}} \mathrm{a}^{55}-\mathrm{dza}^{55}-\mathrm{di}^{33} \quad \mathrm{tc}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{ma}^{31} \quad$ duy ${ }^{55} \quad$ lo ${ }^{35} \quad \mathrm{~d} \not \varepsilon^{35}, \quad \mathrm{t} \mathrm{c}^{\mathrm{h}} \mathrm{a}^{55}$ father-son-both house LOC return ASP, bird
$\underset{\text { gul }}{ }{ }^{31} \quad$ tc $^{\text {h }} \mathrm{a}^{31} \mathrm{ma}^{31} \quad \mathrm{dur}^{53}$
$s^{31}{ }^{31} \operatorname{lan}^{35} \quad \mathrm{u}^{33}, \quad \mathrm{bur}^{55} \mathrm{~d}_{\mathrm{z}} \mathrm{a}^{31} \quad \mathrm{Em}^{53} \quad \eta \mathrm{u}^{31} \quad \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35}, \quad \mathrm{y}^{31} \mathrm{p}^{\mathrm{h}} \mathrm{ub}^{31}$
CAUS-put CONJ, food eat ASP TEMP, 3P dad
$\mathrm{a}^{31} \mathrm{si}^{55} \quad \mathrm{y}^{31} \mathrm{t}^{\mathrm{h}}{ }^{\mathrm{h}} \varepsilon \mathrm{n}^{31} \quad \mathrm{k}^{\mathrm{h}} \mathrm{a}^{31}$
and $3 P$ child Io

| nu $^{31} \mathrm{a}^{31}$ | $\mathrm{a}^{31} \mathrm{gza}^{33} \mathrm{hin}^{35}$ | duy $^{31}$ | $\mathrm{ca}^{55}$ | $\mathrm{a}^{31} \mathrm{dza}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| DEF |  |  |  |  |

$\mathrm{tc}_{6} \mathrm{a}^{31} \mathrm{ma}^{31} \mathrm{za}^{55} \quad$ Øu $^{31} \quad \mathrm{a}^{31} \mathrm{gza}^{55}{ }^{55} \mathrm{hiy}^{35}$
woman DEF rice-bowl

$\mathrm{i}^{33} \quad \mathrm{t}^{\mathrm{h}} \mathrm{h}^{33} \quad \mathrm{t}_{6}^{\mathrm{h}} \mathrm{a}^{55}$
this ghost bird
$\mathrm{kq}^{55} \mathrm{ts}^{\mathrm{h}} \mathrm{q}^{31} \quad \mathrm{mo}^{33} \quad \mathrm{uq}^{31} \mathrm{li}^{33} \quad \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} \mathrm{ni}^{33} \quad \mathrm{uq}^{31} \quad \mathrm{li}^{33} \quad$ dzo ${ }^{31} \operatorname{san}^{53}$
what use CONJ seize ASP CONJ kill
$\mathrm{d} \not \varepsilon^{33} \quad \mathrm{t}^{\mathrm{h}} \mathrm{a}^{35}$,
ASP TEMP
 door in.rear LOC after day DEF look TEMP
$\mathrm{tc}^{\mathrm{h}} \mathrm{a}^{33} \quad \mathrm{may}^{31} \quad \mathrm{num}^{31} \mathrm{a}^{31}$
bird corpse DEF
$\mathrm{m}^{33} \quad \varepsilon^{33} \quad \mathrm{li}^{33} \quad \mathrm{ts}^{\mathrm{h}} \mathrm{wu}^{31} \mathrm{t}^{35} \quad \mathrm{t}^{\mathrm{h}} \mathrm{i}^{55}-\mathrm{k}^{\mathrm{h}} \mathrm{a}^{31} \quad \mathrm{a}^{31} \mathrm{n}^{55} \quad \mathrm{ua}^{33}$,
NEG have CONJ scissors one-grasp have ASP,
$\mathrm{Po}^{55} \quad \mathrm{ts}^{\mathrm{h}} \mathrm{u}^{31} \mathrm{t}^{55} \quad \eta \mathrm{u}^{31} \mathrm{a}^{31}$
that scissors DEF

| $\mathrm{ma}^{31} \mathrm{xuy}^{55}$ | $\mathrm{ts}^{\mathrm{h}} \mathrm{u}^{31}$ | $\mathrm{ni}^{33}$ | $\mathrm{uq}^{33}-\mathrm{dem}^{55}$, | $\mathrm{y}^{31} \mathrm{ma}^{31} \mathrm{xuq}^{55}$ | duy $^{31}$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| sackcloth | scissors | INSTR | do-NOM, | sackcloth | LOC |


| $\mathrm{a}^{31}$ | $\mathrm{a}^{31} \mathrm{k}^{\mathrm{h}} \mathrm{om}^{35}$ | $\mathrm{ba}^{31}$ | $\mathrm{uq}^{33}$, |
| :--- | :--- | :--- | :--- |
| DEF | assemble | go | ASP |




## Anong Text Three: The Python

Once upon a time, there was a couple with six daughters. The father passed away a long time before. One day, the mother went to the mountains to gather cogon grass. Dusk came and she carried a big backload of grass home. After she got home, she started to spread the grass to dry in the sun. Suddenly a python came out of the pile of grass. It wanted to bite the old lady. It said, "Give me one of your daughters. Otherwise, I will bite you to death." The mother replied, "Don't bite me yet. Let me go and ask my daughters." She then went to ask her oldest daughter whether she would be willing to go (with the python). She also told her daughter that if she did not go, her mother would be bitten to death. And if she was willing to go, then the python would not bite her mother. Her daughter said, "I am not going if it means marrying the python." Then the old lady went to ask her second oldest daughter (to see) whether she would be willing to marry the python. Her second daughter did not want to marry the python either. Then she asked the
third daughter who also said no. She asked her daughters one by one who all said no until she asked the last one, her sixth daughter. The sixth daughter said, "If I don't go, mother will definitely be bitten to death. Therefore, I will go."

On their way back with the python, suddenly the python disappeared when they reached a particular spot. A person was sitting by the river who said, "Let's rest here for a little while." While they are resting, that person spoke again, "Please see if there are lice in my hair." However, she did not find any lice in his hair. Instead she found some snake skin. She said to that man, "There are no lice. I only found some snake skin." Then they returned home. It happened that their home was in a big cave.

Several years later, they had a child. Therefore, they wanted to go and visit the wife's mother. After staying at the wife's mother's home for a few days, they returned (to their) home. Upon departure, the wife's second sister said, "Please take me along." When they reached a place where there was a coral tree, the two sisters discussed plans to pick coral. The older sister asked the younger sister to climb up the tree to pick coral. At that moment, the child was pinched and started crying. The mother in the tree asked, 'Why is my child crying?' Her second older sister said, "The child wants the ornaments in your hairdo." She then took out the ornaments and threw them down (to her sister). A moment later, the child was pinched again and started crying again. The mother again asked, "Why is my child crying again?" Her sister said, "He wants your necklace." The mother took off her necklace and threw it down (to her sister). A little while later, the child was pinched yet again and started crying yet again. The mother again asked why and was told that her child wanted her clothes. So she took them off and threw them down. Another moment later, the child was once again pinched and once again started to cry. The mother once again asked why and was told that her child wanted her earrings. She took them off and threw them down (to her sister). In the end, the mother had nothing left on her. After that, the older sister cut the tree down and put on the younger sister's clothes and everything (that goes with them) and returned home (i.e. to the younger sister's home). When she got home, the husband thought (to himself), 'This woman does not look like my wife.' So he asked her to go and fetch grain to test her. Just as expected, she did not even know where the grain was stored. Later she was asked to go and pound (rice) with mortar and pestle. She did not know about that either. Then he saw that this woman's feet were flat so
he asked her why she did not look like his wife. The woman replied, "My feet were squeezed flat when I pounded (rice) with mortar and pestle at my mother's house." At that moment, the woman's face turned red. The man thought (to himself), 'My woman's face was not red like this.' So he asked the woman why. The woman said, "My face was burned red by the sun when I worked alongside my mother."

In time, the child grew up and could take care of the cows. One day, his father asked him to go and let the cows graze. Suddenly, a beautiful little bird flew out of the lake. The bird was chirping, and called the lonely child's name, and asked the boy to ask his mother whether his mother was mistreating him. The boy was listening to the bird and was not paying attention when the cows ate the neighbors' crops. The next day, the boy again heard the bird calling his name and after that he again forgot to keep an eye on the cows, and the cows again ate the neighbors' crops. In the evening, his father scolded him and asked him why the cows had eaten the neighbors' crops every day. The son said, "Dad, because I don't have clothes (to wear), so when I tried to chase the cows away, thorns hurt me. And I failed to keep cows away (from the neighbors' crops)." Then his father gave him an article of clothing to put on. The next day, again a bird flew out of the lake, chirping. The lonely child heard it and again forgot to keep an eye on the cows. The cows again ate the neighbors' crops. When his father asked him in the evening, this time he told him the truth. He said, "Dad, every day when I go and graze the cows, a beautiful bird flies out of the lake and calls me by my name. Because I was listening to the bird, the cows ate the other people's crops." The following day, his father went to feed the cows with him. On that day, as expected, a bird flew out of the lake and started chirping just like before and called out his son's name and asked his son whether he was abused. At that moment, the father reached out his hand and said, "If you are my wife, please come to the palm of my hand." Then the bird indeed came up and landed on his palm. That day, father and son brought the bird home and the bird flew back and forth in the house. At mealtime, meat would fall into the father's and son's bowls (from no where) while crap would fall into the woman's bowl. This happened again and again every day, which annoyed the woman who spit at the bird saying, "You useless damned bird!" She seized the bird and killed it. She threw the dead bird behind the door. The next day, the dead bird disappeared and a pair of scissors showed up in the same spot. When using the scissors to cut cloth, the next day the cloth would be in many tiny pieces. Angered,
the woman threw the scissors beneath the house. At that moment, the scissors changed into a beautiful young lady. The father then whetted a sharp knife and placed it over the threshold of the house with its sharp edge pointing upward. He said to the sisters, "Let it be that she who is my wife can cross the threshold easily and that she who is not my wife fall over onto the edge of the knife." Having said that, he summoned the two women and asked them to cross the threshold. The woman that used to be the scissors crossed the threshold. However, the other woman fell onto the knife. After that, the father, mother, and son lived happily ever after.

## Notes on the Three Texts

1. The three texts were elicited from two separate informants. The first two texts were from Hán Wénjùn while the third was from Fàn Guópǔ. There are stylistic differences between the two informants' speech. In the process of transcribing the texts, no modifications whatsoever were made.
2. During elicitation of the texts, we noticed that the tones and the pronunciation of the initials and finals of some of the words showed variation in specific contexts particularly when compared to pronunciation of words in isolation. The variation was preserved in our transcription for the benefit of those who are interested in studying variation resulted from blending.
3. Although most of the grammatical phenomena found in the texts had been covered in our grammatical description of Anong before collecting the texts, we did encounter some new grammatical features. We tried our best to incorporate them into our grammatical analysis. However, for several of those points, even when we used the same kind of contexts to elicit examples of them, we failed to obtain satisfactory examples. These include certain functions of the numeral one, the functions of certain measure words, the functions of some structural particles, the functions of certain aspect suffixes, the functions of certain conjunctions, etc. Their uses are all preserved in our transcription of the texts for further investigation in the future.

# APPENDIX C <br> AN ACOUSTIC LOOK AT ANONG 

Ela Thurgood

## 1. Introduction

In this appendix, an acoustic analysis of some of the phonetic structures of Anong is presented. Data are discussed in terms of both variability and comparison to the traditional articulatory descriptions given by Sun. The vowel system is examined from three angles: First, the vowels are located in acoustic space. Second, the acoustic patterns of raised and nasalized vowels are examined in detail. And, third, possible influence of Lisu on the Anong vowel system is discussed. A particular interest of this study is in the phonetic reality behind two phonemic contrasts: a three-way laryngeal contrast of voiceless aspirated, voiceless unaspirated, voiced stops and a three-way coronal contrast of alveolar, retroflex and alveolo-palatal fricatives and affricates. An acoustic analysis of Anong tones looks at the tonal space characteristics and a correlation between tones and the tense-modal register. Although not in the forefront, the question of how the language death affects the range, distribution, and degree of variability is also considered.

### 1.1. Anong Data

Sun (2005) collected the Anong data during his six field trips, in the '60s, '80s and '90s. The data used in this study have been selected from recordings made by Sun in 1999. ${ }^{1}$ His consultant was a fluent speaker of Anong and Lisu, who used Anong when speaking to his mother and elders, but Lisu when speaking to his wife and to his four children. He was quite possibly one of the last fluent speakers of Anong.

Sun's recordings made on a camcorder are of words produced in isolation, and thus they represent qualities in clear citation forms. Sun

[^33]asked his consultant to repeat each word twice in a row. Both tokens were measured. Using SoundEdit 16 version 2, the recordings were downsampled at $11,025 \mathrm{~Hz}$ for vowel analysis and at $22,050 \mathrm{~Hz}$ for consonant analysis. The data were analyzed using Scicon's Macquirer software system.

## 2. Vowels ${ }^{2}$

Sun (this volume) distinguishes eight main vowels, with [y] a ninth one restricted to a handful of obviously Chinese borrowings. The notational system used by Sun in this study and in 2000 differs slightly from the one used in 1988, with the difference in the symbols for the low back vowels (see Table 1).

Table 1: Anong vowels

| 1988 (Sun 1988:30) |  |  | 2000 (Sun 2000:69; Sun (this volume)) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| i (y) | U | u | i (y) | Ш | u |
| e |  | 0 | e |  | 0 |
| $\varepsilon$ |  | 0 | $\varepsilon$ | a | a |
|  | a |  |  |  |  |

To characterize the qualities of the vowels more precisely the frequencies for the first three formants (F1, F2, F3) were calculated at about the mid-point for each vowel over a 23 ms window. The mean formant frequencies and the number of tokens measured for each vowel are shown in Table 2. The vowel /y/ is not included in the analysis, because no examples were available in the recorded data. The positions of the Anong vowels in a two-formant space are plotted in Figure 1, with ellipses drawn around each cluster of points representing a single vowel type.

Figure 1 shows that the two vowels /e/ and $/ \varepsilon /$ are not well separated in the F1/F2 space, even though /e/ is slightly higher and more peripheral than $/ \varepsilon /$. The vowel $/ \varepsilon /$, as produced by Sun's consultant, is a relatively high vowel. It is possible that $/ \varepsilon /$ and $/ \mathrm{e} /$ constitute allophones of the same phoneme.

[^34]Table 2: Mean frequencies of Anong vowels

|  | n | F1 | F2 | F3 |
| :--- | :--- | :--- | :--- | :--- |
| i | 5 | 356 | 2096 | 3500 |
| e | 3 | 416 | 1924 | 2979 |
| $\varepsilon$ | 4 | 477 | 1886 | 3426 |
| a | 6 | 600 | 1044 | 2739 |
| o | 7 | 416 | 753 | 2743 |
| u | 8 | 379 | 967 | 2854 |
| $\mathrm{u}=\dot{\mathrm{i}}$ | 6 | 380 | 1849 | 2912 |

Figure 1: Anong F1/F2 vowel space


The back vowel $/ \mathrm{u} /$ shows a centralizing tendency ( $\mathrm{F} 2=967 \mathrm{~Hz}$ ). It becomes more peripheral only when it follows a bilabial stop, as in, for example, $\left[\mathrm{ka}^{55} \mathrm{pu}^{31}\right]$ 'cuckoo' or $\left[\mathrm{p}^{\mathrm{h}} \mathrm{u}^{31}\right]$ 'blow air on fire'. When after a bilabial, the F2 lowers by ca 200 Hz (mean F2 $=675 \mathrm{~Hz}$ ); these tokens of $/ \mathrm{u} /$ are included in Figure 1 resulting in a large scatter for the vowel.

Of special interest is the vowel described by Sun as the back unrounded vowel $/ \mathrm{m} /$; in his work, Sun observes that / $\mathrm{m} /$ is more central than the symbol w would lead one to expect, and, as the acoustic analysis shows below, a more appropriate IPA symbol for /u/ would, in fact, be /í/. Accordingly, in Figure $1 / \mathfrak{i} /$ is used instead of $/ \mathrm{m} /$.

The low vowel /a/ becomes the most open and central vowel when it functions as the prefix $\left[\mathrm{a}^{31}\right]$, as in, for example, $\left[\mathrm{a}^{31} \mathrm{sa}^{53}\right.$ ] 'earth, dirt, soil' or in $\left[\mathrm{a}^{31} \mathrm{t} \mathrm{sa}^{55}\right]$ 'to stride forward'. Based on 8 tokens, the F2 of [a] increases by ca. 200 Hz . In Table 3 mean values of the formant frequencies for both allophones of / $\mathrm{a} /$ are given for comparison.

In Table 4, Sun's vowel configuration is compared with E. Thurgood's vowel configuration based on her acoustic study. The difference is in the representation of the vowel $/ \mathrm{m} /$, now marked as $/ \mathfrak{i} /$, and in the lack of [a], now analyzed as an allophonic variant of $/ \mathrm{a} /$.

Table 3: Mean values of F1, F2, F3 for the two allophones of /a/

|  | F1 | F2 | F3 |
| :--- | :--- | :--- | :--- |
| $[\mathrm{a}]$ | 600 | 1044 | 2739 |
| $[\mathrm{a}]$ | 582 | 1217 | 3141 |

Table 4: Anong vowels

| Sun (this volume) |  | E. Thurgood (2007) |  |  |  |
| :--- | :---: | :---: | :--- | :---: | :---: |
| i $(\mathrm{y})$ | uI | u | i | $\dot{\mathrm{f}}$ | u |
| e |  | o | e |  | o |
| $\varepsilon$ | a | a | $\varepsilon$ | a |  |

### 2.1. Vowel Raising

Vowel raising occurs when $/ \varepsilon \mathrm{a} o$ / follow an alveolo-palatal. Formant frequencies of $/ \varepsilon$ a o/ were measured when they followed $/ \epsilon /, / \mathrm{t}^{\mathrm{h}} /, / \mathrm{t} \epsilon /$ and $/ \mathrm{d} / \mathrm{l}$ /. Additionally, the affricate retroflex $/ \mathrm{ts}^{\mathrm{h}} /$ also causes vowel raising. ${ }^{3}$ Measured in the middle, the three non-high vowels are raised to what in IPA would be [i e u], respectively. Formant values of the main vowels $/ \varepsilon a \mathrm{o} /$ and their raised counterparts are given in Table 5; their formant frequencies are plotted in Figure 2.

The influence of the alveolo-palatal consonants is greater for the low vowel /a/ (the F1 is lowered by ca. 130 Hz ) than for the mid vowels $/ \varepsilon /$ and /o/ (their F1 is lowered by ca. 70 Hz ). However, the two mid vowels also show an increase in F2 vis-à-vis their neutral counterparts. In the case of $/ \varepsilon /$, the F2 is increased by ca. 200 Hz , in the case of /o/ it is increased by ca. 220 Hz . As a result, when raised, $/ \varepsilon /$ almost overlaps with /i/ and /o/ partially overlaps with /u/. The vowel /a/, on the other hand, occupies a new vowel space.

[^35]Table 5: Mean formant frequencies for $/ \varepsilon \mathrm{a} o /$ and their raised counterparts

|  | F1 | F2 | F3 |
| :--- | :---: | :---: | :---: |
| $/ \varepsilon /$ | 477 | 1886 | 2996 |
|  | 390 | 2032 | 2885 |
| $/ \mathrm{a} /$ | 600 | 1044 | 2739 |
|  | 472 | 1062 | 2681 |
| $/ \mathrm{o} /$ | 416 | 753 | 2743 |
|  | 345 | 979 | 2293 |

Figure 2: Allophonic variation in Anong


### 2.2. Apical Vowel/1/

Sun reports that Anong has the apical vowel $/ 1 /$. In E. Thurgood's (2007) study, the vowel described by Sun as $/ \uparrow /$ is measured in two contexts: (1) When it follows either an alveolar or a retroflex; and, (2) When it follows a consonant cluster / $\mathrm{b} \mathrm{I} /, / \mathrm{f}_{\mathrm{I}} /, / \mathrm{k}^{\mathrm{h}} \mathrm{I} /$ or $/ \mathrm{gI}_{\mathrm{I}} /$. Altogether 26 tokens of $/ \eta /$ were measured.

As the earlier study shows, depending on the preceding consonant, $/ 1 /$ is either a very peripheral high front vowel partially overlapping with /i/ or a very central high vowel partially overlapping with /í/. It overlaps partially with /i/ when after /b. $\mathrm{I} /$, /fis $/$, $/ \mathrm{k}^{\mathrm{h}} \mathrm{I} /$, or / $\mathrm{gII}_{\mathrm{I}} /$; It overlaps partially with /i/ when after an alveolar or retroflex consonant. Table 6 gives the mean formant frequency values of the two variants. Figure 3 presents Sun's apical vowel in the F1/F2 vowel space. The two scatters of the vowel are marked with the symbol 1 .

Table 6: Allophonic variants of Sun's apical vowel/1/

|  | F1 | F2 | F3 |  |
| :--- | :--- | :--- | :--- | :--- |
| $1=\dot{\mathrm{i}}$ | 393 | 1756 | 2963 | when after $/ \mathrm{ts} /, / \mathrm{dz} /$, or $/ \mathrm{dz} /$ |
| $1=\mathrm{i}$ | 388 | 2231 | 3816 | when after $/ \mathrm{b} . / / / \mathrm{fI}_{\mathrm{I}} /, / \mathrm{k}^{\mathrm{h}} \mathrm{I} /$ or $/ \mathrm{ga} /$ |

Figure 3: Sun's apical vowel in the F1/F2 vowel space


### 2.3. Nasal and Nasalized Vowels

According to Sun, in Anong there are nasal vowels. The examples given in Table 7 were available in the data. The values of the first three formants of the nasal and oral / $\alpha$ / were measured using the procedure outlined in the introduction to the oral vowels.

Table 7: Examples of oral and nasal /a/

$$
\begin{array}{llll}
\text { la }^{33} & \text { 'to look, seek' } & \text { lã }^{31} & \text { 'to swim' } \\
\mathrm{k}^{\mathrm{h}} \mathrm{ua}^{33} & \text { 'bee' } & \mathrm{k}^{\mathrm{h}} \mathrm{ua}^{31} & \text { 'hole' }
\end{array}
$$

It is clear that in Anong, nasal $/ \mathrm{a} /$ is now retained somewhat randomly. On the one hand, the nasalization observed by Sun in [láa $\left.{ }^{31}\right]$ 'to swim' has disappeared, making the difference between $\left[\mathrm{la}^{31}\right]$ 'to swim' and $\left[\mathrm{la}^{33}\right]$ 'to look, seek' just tonal. On the other hand, however, in a different word, /phan $\mathrm{y}^{31} /$ 'five', the final nasal [ y ] is no longer pronounced, but nasalization on the vowel is preserved. The word is pronounced as [ $p^{\mathrm{h}} \tilde{a}^{31}$ ]. Figure 4 presents a spectrogram of $\left[p^{h} \tilde{a}^{31}\right]$ 'five'.

An acoustic analysis was also conducted to see how /a/ followed by a nasal fits into the patterns of the oral and nasal / $\mathrm{a} /$. The examples

Figure 4: Spectrogram of $\left[\mathrm{p}^{\mathrm{h}} \mathrm{a}^{31}\right]$ 'five'.


Table 8: Examples of /a/ followed by a nasal
/am/ in [sãm ${ }^{53}$ ] 'to pour'
/an/ in [bãn ${ }^{55}$ ] 'to weave (baskets)'
$/ \mathrm{an} / \quad$ in [dãy ${ }^{55}$ ] 'to climb a tree', [lãy $\left.{ }^{55}\right]$ 'piece (of stone)', $\left[t \mathrm{~s}^{\mathrm{h}} \tilde{\mathrm{a}} \mathrm{y}^{31}\right.$ ] 'person'

Table 9: Mean formant frequency values for oral and nasalized allophones of / a /

|  | F1 | F2 | F3 |
| :--- | :--- | :--- | :--- |
| $[\mathrm{a}]$ | 600 | 1044 | 2739 |
| $[\mathrm{a}]$ | 582 | 1217 | 3141 |
| $[\mathfrak{e}]$ | 472 | 1062 | 2681 |
| $[\tilde{\mathrm{a}}]$ | 405 | 1015 | 3237 |

analyzed are given in Table 8. The results are given in Table 9. For comparison, the formant frequencies for the oral allophones of / $a /$ are also given.

As Table 9 shows, nasalization triggers raising in the low vowel, an observation also made for other languages (see, for example, Gordon and Maddieson 2004). The values for the nasalized [ $\tilde{\mathrm{a}}]$ and the raised $[\mathfrak{e}]$ are very similar. The only consistent and robust difference between [ $\tilde{\mathfrak{a}}$ ] and [e] is in F3. For [ $\tilde{a}]$, F3 is by ca. 550 Hz bigger than for [e].

### 2.4. Influence of Lisu on the Anong Vowel System

Despite the richer vowel inventory of Lisu, with one minor exception, Anong has not shown any expansion of its vowel inventory. The exception is Anong $/ \mathrm{y} /$, which now occurs in a handful of Chinese borrowings into Anong, undoubtedly in part because the /y/ already occurs in Lisu. Table 10 presents the vowel inventory of the northern Lisu dialect, with which the Anong speakers are primarily in contact with (Bradley 1994).

Table 10: Northern Lisu vowels (Bradley 1994)

| i | y | ut | u |
| :--- | :--- | :--- | :--- |
| e | $\emptyset$ | $\gamma$ | 0 |
| á |  | a |  |

As in Anong, the two processes, vowel raising and nasalization, are also found in Lisu, however, the directionality of change and end results are different. Lisu does not appear to have affected Anong. Specifically, although fronting has been reported in Black Lisu, it only involves / $\alpha$ / to $/ \varepsilon /$ after alveolo-palatals. Raising has been reported to occur but only in Southern Lisu and even then the results are different: the mid vowels /e ø $\gamma \mathrm{o} /$ are variably raised to /i y u u/ (Bradley 2003). Nasalization has also been found in Lisu, but unlike the variable nasalization in Anong, Lisu nasalization is not just predictable but is subject to distinctly different environmental constraints: It occurs in syllables beginning with a vowel or with h- (Bradley 2003).

### 2.5. Summary

In Table 11, Sun's vowel configuration is compared and contrasted with the one based on this acoustics study. The difference is in the representation of the vowel $/ \mathrm{m} /$, now marked as $/ \mathrm{i} /$, and in the lack of $/ \mathrm{a} /$, now analyzed as an allophonic variant of /a/. The vowel /y/ is put in parenthesis to mark the fact that its acoustic values have not been checked due to the lack of tokens.

Table 11: Anong vowels

| 2005 | (Sun, this volume) | $2007($ (E. Thurgood 2007) |  |  |  |
| :--- | :---: | :--- | :--- | :---: | :--- |
| i y | w | u | i $(\mathrm{y})$ | $\dot{\mathrm{i}}$ | u |
| e |  | o | e | o |  |
| $\varepsilon$ | a | a | $\varepsilon$ | a |  |

The data reveal that in Anong vowels following alveolo-palatals are systematically altered in height. The allophonic variation of $/ \varepsilon a \mathrm{o} /$ is manifested as shifts predominantly along the high/low dimension, but the front/back dimension is also altered. The data also reveal that the vowel $/ \uparrow /$ shifts along the front/back dimension.

Nasalization has been shown to trigger /a/ raising. A tendency to denasalize a vowel that is not followed by a nasal has been observed. A tendency to drop the final nasal but to keep the vowel nasalized has also been observed. These two tendencies could be presented as the following chain: [an $>\tilde{\mathrm{a}}>\mathrm{a}$ ].

## 3. Consonants

Sun (this volume) distinguishes 47 consonants (see also Table 12 below). As observed by Sun, a number of consonants presented in Table 12 no longer exists in Anong. Of particular interest are nasals and retroflexes. Of the five nasals $/ \mathrm{m} n \eta_{n_{0}} \mathrm{n} /$, Anong now has three $/ \mathrm{mnn} / . / \mathrm{n}_{\mathrm{l}} /$ is an allophone of $/ \mathrm{n} /$ occurring only in front of a high front vowel, as in [d $\varepsilon^{55} \mathrm{ni}^{33}$ ] 'today'. There is no distinction between the voiceless and voiced nasals: Voiceless nasals are pronounced as voiced. Nasals in codas begin to disappear leaving their traces on the preceding vowel (see the section on nasalized vowels). The retroflex $/ \mathrm{\eta} /$ is pronounced as [ n ]. For example, $\left[\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{nav}^{55}\right.$ ] 'younger sibling' is pronounced as $\left[\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} \mathrm{nay}^{55}\right]$. The retroflex series of stops / $\mathrm{t}^{\mathrm{h}} \mathrm{t} \mathrm{d} /$ and the lateral /l/ have shared the fate of the nasal retroflex. They have also disappeared. $/ \mathrm{t}^{\mathrm{h}}$ $\mathrm{t} \mathrm{d} /$ are now pronounced as $\left[\mathrm{t}^{\mathrm{h}} \mathrm{t} \mathrm{d}\right]$; /l/ is pronounced as [l]. The fate of the fricative and affricate retroflexes is discussed in the section on coronal contrasts.

Table 12: Anong consonant inventory (after Sun this volume)

|  | bilabial | alveolar | retroflex | alveolopalatal | velar | glottal |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| stops | $\mathrm{p}^{\mathrm{h}} \mathrm{p}$ b | $\mathrm{t}^{\mathrm{h}} \mathrm{td}$ | $t^{\text {h }}$ t d |  | $k^{\mathrm{h}} \mathrm{k}$ g | ? |
| fricatives | fv |  | St. | $¢_{7}$ | x f | h |
| affricates |  | $\mathrm{ts}^{\mathrm{h}}$ ts dz | $\mathrm{ts}^{\text {b }}$ ts $\mathrm{dz}_{\text {c }}$ | $t^{6}{ }^{\text {b }}$ tc $\mathrm{d} / 7$ |  |  |
| nasals | m m | n n | n ף | $\mathrm{n}_{6} \mathrm{n}$ \% | ๆ 1 |  |
| lateral |  |  |  |  |  |  |
| fricatives |  | 4 |  |  |  |  |
| approximants |  | 1 | $l$ |  |  |  |
| approximant |  | I |  |  |  |  |

### 3.1. Variation in Consonant Production

Variation in pronunciation is observed in the production of crosslinguistically less common segments such as the lateral fricative / $1 /$. When asked to produce words with the fricative / $4 /$, the consultant always produced the approximant [l] at first and only later, having been prompted to change his pronunciation by Sun, he produced the voiceless fricative [4]. Figure 5 illustrates this variation in the word


Figure 5: Variation of $/ 4 /$ in the word $\left[4 \mathrm{Ha}^{53}\right]$ 'to lick'


Variation in the production of the fricatives $/ \mathrm{x} \gamma /$ can also be observed． The velar $/ \mathrm{x} /$ is palatalized when followed by $/ \mathrm{i} /$ and pronounced as the alveolo－palatal［c］．For example，$/ \mathrm{xi}^{55} /$＇to laugh＇is pronounced as ［ $\mathrm{ci}^{55}$ ］（Figure 6）．However，with the prefix $\mathrm{a}^{31}$ ，only part of the velar fricative is palatalized．As a result，$/ \mathrm{a}^{31} \mathrm{xi}^{55} /$＇to laugh＇is pronounced as ［ $\mathrm{aa}^{31} \mathrm{x}_{\mathrm{\sim}} \mathrm{i}^{55}$ ］（Figure 7）．

Figure 6：Spectrogram of $/ \mathrm{xi}^{55} /$＇to laugh＇$\left[\mathrm{ci}^{55}\right]$


Figure 7：Spectrogram of $/ \mathrm{a}^{31} \mathrm{xi}^{55} /$＇to laugh＇$\left[\mathrm{Ta}^{31} \mathrm{xc⿻上丨}^{25}{ }^{55}\right]$


The voiced fricative $/ \gamma /$ is often only produced when the consultant is prompted by Sun to say it. Figure 8 gives the first pronunciation of $/ \mathrm{yi}^{31} /$ 'a saw' (Sun's $\gamma^{31}$ ) without the velar fricative; Figure 9 gives the second pronunciation of $/ \mathrm{yi}^{31} /$ with the fricative $/ \gamma /$.

Figure 8: Spectrogram of $/ \mathrm{y}^{\mathrm{i}^{31} / \text { 'a saw' }\left[\mathrm{i}::^{31}\right]}$


Figure 9: Spectrogram of $/ \mathrm{yi}^{\mathbf{3 1} /}$ 'a saw' $\left[\mathrm{yi}^{31}\right]$


### 3.2. Voice Onset Time

Anong has a three-way laryngeal contrast of voiceless aspirated/voiceless unaspirated/voiced stops. The phonetic nature of the laryngeal contrast, illustrated in Figures 10-11, is determined by measuring the voice onset time, i.e., the period from the release burst to the onset of voicing of the following vowel (i.e. the first glottal pulse). The number of tokens measured in this study ranged from 2 for the unaspirated series to 4 for the voiced series and 5 for the aspirated series. Figure 12 shows the mean VOT durations.

Figure 10: $/ \mathrm{k}^{\mathrm{h}} / \mathrm{in} / \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} /$ 'bamboo box'


Figure 11: $/ \mathrm{k} / \mathrm{in} / \mathrm{ka}^{55} \mathrm{pu}^{31} /$ 'cuckoo'


Figure 12: /g/ in $/ \mathrm{ga}^{55} /{ }^{\prime}$ bright'


Figure 13 shows that VOT clearly distinguishes between the three series. Voiceless aspirated stops are well distinguished from voiceless unaspirated stops by a considerably longer voicing lag (positive VOT) than the one characterizing the unaspirated series. The voice distinction is realized through the presence of prevoicing. The voicing lead (negative VOT) of voiced stops separates them clearly from unaspirated voiceless stops. Scheffe's post hoc tests show all of the pairwise comparisons to be highly significant: voiced vs. unaspirated voiceless, $\mathrm{p}<.0001$; unaspirated vs aspirated, $\mathrm{p}<.0001$.

Figure 13: Mean VOT values for the three series of stops


Cho and Ladefoged (1999) have shown that cross-linguistically there are often statistically significant durational differences in VOT associated with different places of articulation. In Anong, however, the differences in VOT among the aspirated bilabial, alveolar and velar stops are not statistically significant. Figure 14, in which the aspirated stops are separated for their places of articulation, shows the VOT of $/ \mathrm{p}^{\mathrm{h}} /$ to be the longest. The VOT of $/ \mathrm{p}^{\mathrm{h}} /$ is ca. 7 ms longer than that of $/ \mathrm{k}^{\mathrm{h}} /$ and ca. 16 ms longer than that of $/ \mathrm{t}^{\mathrm{h}} /$, but pairwise comparison by Scheffe's post hoc tests does not indicate any statistically reliable VOT difference between any pair of aspirated stops.

Figure 14: Mean VOTs and standard deviations for the aspirated stops


Figure 15: Mean VOTs and SDs for the aspirated affricates


An analysis of variance of VOT has also been performed for aspirated affricates $/ \mathrm{ts}^{\mathrm{h}} \mathrm{ts}^{\mathrm{h}} \mathrm{t}^{\mathrm{h}} /$. Results are shown graphically in Figure 15. The differences in VOT values between $/ \mathrm{ts}^{\mathrm{h}} /$ and $/ \mathrm{t} \$^{\mathrm{h}} /$ are statistically significant at the $\mathrm{p}<.05$ level according to Scheffe's post hoc tests. The differences in VOT values are not statistically significant when $/ \mathrm{tc}^{\mathrm{h}} /$ and $/ \mathrm{ts}^{\mathrm{h}} /$ are compared $(\mathrm{p}=.132)$, nor when $/ \mathrm{t}^{\mathrm{h}} /$ and $/ \mathrm{ts}{ }^{\mathrm{h}} /$ are compared ( $\mathrm{p}=.612$ ).

Figure 16: Mean VOT values for the three series of affricatives in Anong


Figure 16 shows that VOT clearly distinguishes between the three series of affricates. Scheffe's post hoc tests show all of the pairwise comparisons to be highly significant: aspirated vs. unaspirated, $\mathrm{p}<.0001$; unaspirated voiceless vs. voiced, $\mathrm{p}<.0001$.

Voiced affricates require special attention. In contrast to voiced stops, they may be realized phonetically as fully voiceless. In our data, of the three types of affricates, the alveolo-palatal affricate $/ \mathrm{d} \% /$ is regularly produced as its voiceless counterpart [ tc ] during the first repetition of a word; for example, $/ \mathrm{d} 7 \mathrm{a}^{53} /$ 'to read' is pronounced as $\left[\mathrm{t}_{\mathrm{c}}{ }^{53}\right]^{4}$ and $/ \mathrm{d}_{\mathrm{po}}{ }^{31} /$ 'to win' as [tcu ${ }^{31}$ ]. However, in other words $/ \mathrm{d} \not \mathrm{z} /$ is always pronounced as [dz], as in [dzi ${ }^{55} \mathrm{~d}_{\mathrm{y}} \mathrm{i}^{55}$ ] 'to polish'. When /dz/ is fully voiced, it has a long voicing lead of ca. 53 ms (Figure 16). The discussed variation in the production of /dz/ is for one speaker only. It would be interesting to see how other Anong speakers pronounce the voiced affricates $/ \mathrm{dz} /$, /dz/ and $/ \mathrm{d} / \mathrm{z} /$.

### 3.3. Coronal Contrasts

Anong has a three-way coronal contrast of alveolar, retroflex and alveolo-palatal fricatives and affricates. In the light of the observation that retroflexes are disappearing in the language, the retroflex series $/ \mathrm{s}$ $\mathrm{t} \widehat{S}^{\mathrm{h}} \mathrm{t}$ S/ is of great interest, particularly, how the retroflex series contrasts

[^36]with the alveolar series $/ \mathrm{s} \mathrm{ts}^{\mathrm{h}} \mathrm{ts} /$ and the alveolo-palatal series $/ \epsilon \mathrm{t}^{\mathrm{h}} \mathrm{t}$ ¢ $/$. The discussion of the phonetic nature of the contrast presented here is based on an earlier acoustic study of coronal contrasts in E. Thurgood (2009). In this work, the three-way distinction among the voiceless fricatives $/ \mathrm{s} \mathrm{S} \varphi /$, among the aspirated voiceless affricates $/ \mathrm{ts}^{\mathrm{h}}$ ts ${ }^{\mathrm{h}}$ t $\mathrm{c}^{\mathrm{h}} /$ and among the unaspirated voiceless affricates /ts ts tढ/ was analyzed on the basis of FFT spectra, gravity center frequencies ${ }^{5}$ and the formant frequencies of the following vowel /a/ measured at the onset and in the middle of the vowel. The data consisted of 28 tokens of /s s c/ and 28 tokens of $/ \mathrm{ts}^{\mathrm{h}} \mathrm{ts}^{\mathrm{h}} \mathrm{t}_{6}{ }^{\mathrm{h}} /$. For the unaspirated affricates /ts ts $\mathrm{t} / /$, and in particular for $/ \mathrm{ts} /$, the data were sparse, something that Sun observed as early as in 1988. However, 10 tokens of /ts ts tc/ were used to compare whenever possible the unaspirated series with the aspirated one.

### 3.3.1. Spectral Properties

The study on coronal contrasts has shown that there is considerable uniformity across the analyzed data in the spectral characteristics. Figure 17 (based on E. Thurgood (2009)), in which the averaged spectra are separated according to the following vowel, illustrates the spectral characteristics. Among the fricatives, the most prominent spectral peaks for /s/ occur at higher frequencies than for /s/ and for / $/$ /, at approximately 7.2 kHz regardless of the following vowel. In contrast, /s/ and /6/ display their most prominent spectral peaks at lower frequencies, between 2.2 and 4 kHz depending on the following vowel. The spectra for the two fricatives differ in that $/ \mathrm{s} /$ shows a less prominent, secondary peak cluster between 5.1 and 6.2 kHz , while / $/$ / shows a relative flat spectrum following the most pronounced noise peak and then a steep decline. The spectral shapes of Anong coronal fricatives pattern well with spectral shapes of coronal fricatives in other languages with the three-way contrast.

Among the coronal affricates, the highest spectral peaks of $/ \mathrm{ts}{ }^{\mathrm{h}} /$ are centered at higher frequencies, between 5.6 kHz and 6.8 kHz . Spectra for $/ \mathrm{t} \epsilon^{\mathrm{h}} /$ and for $/ \mathrm{t} \$^{\mathrm{h}} /$ show a very similar display of noise distribution with the most pronounced peaks between 2 and 4 kHz . For both affricate types before the non-back high vowel, the spectral peaks are followed by a relative flat spectrum and then a decline. However, before the low

[^37]vowel, the spectra of $/ \mathrm{t} 6^{\mathrm{h}} /$ and $/ \mathrm{t} \$^{\mathrm{h}} /$ are characterized by secondary peaks between 5.7 kHz and 6.4 kHz . When before the non-back high vowel, the spectral shapes of $/ \mathrm{tc}^{\mathrm{h}} /$ and $/ \mathrm{t} \mathrm{s}^{\mathrm{h}} /$ are similar to the spectral shape of $/ \epsilon /$; When before the low vowel, the spectral shapes of $/ \mathrm{t}^{\mathrm{h}} /$ and for $/ \mathrm{ts}^{\mathrm{h}} /$ are similar to the spectral shape of $/ \mathrm{s} /$.

Figure 17: Acoustic spectra for Anong coronal fricatives and affricates







### 3.3.2. Gravity Centers

The center of gravity well differentiates only between $/ \mathrm{s} /$ on the one hand and $/ \mathrm{s} /$ and $/ \epsilon /$, on the other. The center of gravity for $/ \mathrm{s} / \mathrm{is}$ the highest; it is always greater than 6 kHz . The centers of gravity for $/ \mathrm{s} /$ and $/ \epsilon /$ are always smaller than 5.5 kHz . Scheffe's post hoc tests reveal the difference between $/ \mathrm{s} /$ and $/ \mathrm{c} /$ and between $/ \mathrm{s} /$ and $/ \mathrm{s} /$ to be significant at minimally the $\mathrm{p}<.05$ level. However, pairwise comparison between $/ \mathrm{s} /$ and $/ \epsilon /$ does not reach statistical significance.

The center of gravity well differentiates between the three types of coronal affricates. The alveolar $/ \mathrm{ts}^{\mathrm{h}} /$ has the highest gravity center values, while the alveolo-palatal $/ \mathrm{t}^{\mathrm{h}} /$ has the lowest gravity center values. Pairwise post hoc comparisons involving $/ \mathrm{ts}^{\mathrm{h}} /, / \mathrm{ts}{ }^{\mathrm{h}} /$ and $/ \mathrm{t} \mathrm{c}^{\mathrm{h}} /$ show a significant difference at minimally $\mathrm{p}<.05$. For the unaspirated affricates, the comparison is more restricted. However, even though the data are limited in the number of tokens available, the gravity center frequencies of unaspirated $/ \mathrm{ts} /$, /ts/ and $/ \mathrm{t}$ / / pattern in the same way as the gravity center frequencies of aspirated $/ \mathrm{ts}^{\mathrm{h}} /, / \mathrm{ts}^{\mathrm{h}} /$ and $/ \mathrm{t} \mathrm{c}^{\mathrm{h}} /$. The alveolar affricate /ts/ has the highest gravity center values, while the alveolo-palatal affricate /tç/ has the lowest, with the gravity center values of the retroflex affricate /ts/ placed in between.

Figure 18: Mean gravity center frequencies for coronal fricatives and affricates


### 3.3.3. Formant Frequencies of the Following Vowel

Table 13 presents formant frequencies of the vowel /a/ in different contexts. It shows that all three Anong coronal fricatives are well differentiated by the formant frequencies of the following vowel. The alveolo-palatal / $/$ / triggers a significant lowering of F1 and a raising of F2 in the following /a/. The lowering effect of $/ \varsigma /$ on F1 and the raising effect of $/ 6 /$ on F2 persist into the middle of the vowel. The retroflex /s/ triggers a significant lowering of F3 in the following /a/. The effect of /s/ on /a/ persists well beyond the portion of the vowel immediately adjacent to the fricative. There is no difference in formant values between the beginning and the middle of the vowel when /a/ follows the alveolar /s/. The formant frequency values of / $\alpha /$ following /s/ pattern with the formant frequency values of /a/ arrived at in the earlier study (E. Thurgood 2007).

Table 13: Averaged frequencies of / $\mathrm{a} /$

|  | at the onset |  |  |  | in the middle |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | F1 | F2 | F3 | F1 | F2 | F3 |  |
| following $/ \mathrm{s} /$ | 580 | 1124 | 2939 | 581 | 1086 | 2969 |  |
| following $/ \mathrm{s} /$ | 424 | 1245 | 2373 | 567 | 922 | 2382 |  |
| following $/ \mathrm{c} /$ | 455 | 1201 | 2749 | 461 | 1150 | 2794 |  |
|  |  |  |  |  |  |  |  |
| following $/ \mathrm{ts} /$ and $/$ ts $^{\mathrm{h}} /$ | 541 | 1281 | 2825 | 573 | 1085 | 2847 |  |
| following $/ \mathrm{ts}{ }^{\mathrm{h}} /$ | 398 | 1216 | 2699 | 457 | 1071 | 2693 |  |
| following $/ \mathrm{t}$ ç $/$ and $/ \mathrm{tc}^{\mathrm{h}} /$ | 388 | 1230 | 2788 | 443 | 1036 | 2721 |  |
|  |  |  |  |  |  |  |  |

The fricative components of coronal affricates pattern only partially with their fricative counterparts: F1 is lowered and F2 is raised when $/ \mathrm{a} /$ follows $/ \mathrm{t} \mathrm{c}^{\mathrm{h}} /$ and $/ \mathrm{t}$ ¢ $/$; F1, F2, F3 are not changed when /a/ follows / $\mathrm{ts}^{\mathrm{h}} /$ and /ts/. The difference between coronal fricatives and affricates lies with the retroflex affricate $/ \mathrm{t} \$^{\mathrm{h}} /$. The fricative component of $/ \mathrm{t} \$^{\mathrm{h}} /$ does not trigger lowering of F3 in the following vowel. Instead, it patterns with the aveolo-palatals $/ \mathrm{t}^{\mathrm{h}} /$, $/ \mathrm{t} \boldsymbol{\epsilon} /$ and $/ \epsilon /$ in triggering a lower F1 in /a/. A lower F1 reflects a longer constriction not characteristic of a retroflex (Halle and Stevens 1997; Stevens 1998). It again points to / $\mathrm{ts}{ }^{\mathrm{h}} /$ being more like $/ \mathrm{t} \mathrm{c}^{\mathrm{h}} /$.

### 3.3.4. Retroflex Fricatives and Affricates

As for retroflexes in Anong, the spectral shapes of /s/ and the formant frequencies of the following vowel show that / $\mathrm{s} /$ is acoustically a retroflex. First, the spectral shape of /s/ with its two spectral peaks not only differentiates it well from the remaining two coronals /s/ and / $\varsigma /$, but it also patterns well with the spectral shapes of the retroflex fricatives in other languages (see E. Thurgood 2009). Second, Anong /s/ triggers a significant lowering of F3 in the following / $\mathrm{a} /$, a feature that has been associated with the presence of retroflexion. It is of interest that in Anong the effect of / $\mathrm{s} /$ on the following vowel is observed not only at the vowel onset but also into the middle of the vowel. In contrast, the $/ \mathrm{t} \mathrm{s}^{\mathrm{h}} /$, termed a retroflex by Sun, is not a typical retroflex acoustically. First, the fricative part of $/ \mathrm{t} \mathrm{s}^{\mathrm{h}} /$ does not consistently pattern with the fricative $/ \mathrm{s} /$. Second, the spectral peaks of $/ \mathrm{ts}{ }^{\mathrm{h}} /$ are not different from those of $/ \mathrm{t} \mathrm{c}^{\mathrm{h}} /$. Third, the vowel $/ \mathrm{a} /$, when it follows $/ \mathrm{t} \$^{\mathrm{h}} /$, does not show a lowered F3, but instead a lowered F1. Thus, in the speech of one of the last fluent speakers of Anong, the retroflex affricate $/ \mathrm{ts}{ }^{\mathrm{h}} /$ has been lost along with other retroflex series even though it did not become $/ \mathrm{t}^{\mathrm{h}} /$. In contrast, the retroflex fricative /s/ is still preserved.

## 4. Tones and Tense-Modal Register

### 4.1. Tones

Anong has five tones: two level tones (the high 55 tone and the mid 33 tone), and three contour tones (the rising 35 tone and two falling tones: 53 and 31). Tone 33 is a new tone, one that developed between 1988 (not noted by Sun (1988)) and 2000 (recorded by Sun (2000)). The words illustrating the five tones are given in Table 14. The pitches illustrating the tonal contrasts in these words are given in Figure 19. The pitch contour of each token is 170 ms long measured (in Hz ) from the onset of the vowel. Pitch measurements are given at 10 ms intervals.

Table 14: Words illustrating Anong tonal contrasts

| $\mathrm{t} 6^{\mathrm{h}} \mathrm{un}^{55}$ | '(earthen) jar' |
| :--- | :--- |
| $\mathrm{t} 6^{\mathrm{h}} \mathrm{ur}^{33}$ | 'to play' |
| $\mathrm{t} 6^{\mathrm{h}} \mathrm{u}^{53}$ | 'straight; press' |
| $\mathrm{t} 6^{\mathrm{h}} \mathrm{un}^{35}$ | 'to fish' |
| $\mathrm{t} 6^{\mathrm{h}} \mathrm{ur}^{31}$ | 'dig up' |

Figure 19: Pitch traces of Anong tones


Figure 19 illustrates pitch contours for Anong tones elicited with the consultant's full attention on differentiating among the five words given in Table 14 by tonal distinctions. In this elicitation, tones 55 and 33 are relatively close to each other in their fundamental frequencies (F0). They are only ca. 10 Hz apart for the first 60 milliseconds of the vowel and then ca. 30 Hz apart. The rising tone 35 and the falling tone 31 begin at approximately 160 Hz . Tone 35 raises ca. 30 Hz ; tone 31 falls ca. 30 Hz . A pitch contour of tone 53 displays first a quasi hat-like pattern with a small rise of 10 Hz and then a steep fall of ca. 60 Hz occupying over half of the duration of the vowel.

The mean F0 values of Anong tones are graphically presented in Figure 20. The duration of the vowels was normalized by measuring the fundamental frequency at 8 evenly divided points across the duration of the vowel: the onset and the endpoint of the vowel, and six intermediate points. For each tone from 12 to 6 tokens were measured. In contrast to the earlier elicitation, during the recording of these tokens, the consultant was focused more on a word meaning than on a tonal pitch. Pairwise post hoc comparisons indicate significant differences at minimally $\mathrm{p}<.05$ between tone 31 , on the one hand, and the remaining four tones, on the other. Post hoc tests indicate that there are overlaps and crossings of the four remaining tones.

The possible correlation between consonant aspiration and a tonal contour has been under investigation (see, for example, Xu and Xu , 2003). In this study, an interaction of an aspirated consonant with F0 of the following vowel / $\mathrm{a} /$ is tested in the high tone 55 and in the lowfalling tone 31 . The F0 of /a/ following an aspirated consonant $/ \mathrm{p}^{h} \mathrm{t}^{\mathrm{h}} t \mathrm{~s}^{\mathrm{h}}$

Figure 20: Mean F0 values for five Anong tones


Figure 21: Average F0 contours (aspirated vs. voiced consonants)

$\mathrm{k}^{\mathrm{h}}$ / is compared with the F0 of / a / following a voiced consonant /b dg l/. Figure 21 presents the average F0 contours separated for a consonant type. The solid lines represent F0 measured after an aspirated consonant. The dashed lines represent F0 measured after a voiced consonant. The curves are time normalized. Figure 21 shows that a consonant type correlates with the F0 of the following vowel. It is higher following an aspirated consonant than following a voiced consonant by ca. 20 Hz through the first half of / $\mathrm{a} /$ in tone 55 and by ca. 35 Hz through the first quarter of /a/ in tone 31. Statistical analysis shows that the onset

F0 values of the two curves for each of the tones are significantly different ( $\mathrm{p}<.001$ ). The consonant effect decreases over time towards the syllable offset, but it never disappears completely.

### 4.2. Tense-Modal Register

Anong vowels are described as tense, a new feature first recorded only in 1983 (Sun 2005:152). In descriptions of southeast Asian languages, the feature 'tense' is used to refer primarily to a laryngeal setting, in which the vocal folds are tense and vibration is partially inhibited when compared with the vocal folds of modal phonation (cf. Maddieson and Ladefoged 1985). Anticipating the discussion below, the terms 'tense' and 'laryngealized' are used interchangeably in referring to the nonmodal phonation (or 'register') employed in Anong.

In this study, tense-modal register is analyzed on the basis of the low vowel /a/. Some of its acoustic characteristics can be seen in Figure 22. The waveform of /a/ measured in the middle of the vowel (between 190 and 225 ms ) shows irregularly spaced pitch periods and reduced acoustic

Figure 22: Waveform and spectrogram of [da2 ${ }^{55}$ ] 'thunder'

intensity. The spectrogram shows increased distance between the vertical striations. It is also characterized by a final glottal closure.

The final glottal closure could be analyzed in two ways. It could be analyzed as part of the tense register on the vowel that creates a full glottal closure at the vowel end. It could also be analyzed as a glottal stop in the coda. That, in turn, would imply that tense vowels arise as the result of the preceding [?]. The evidence is inconclusive. Following Sun's analysis, the word given in Figure 22 is transcribed as [da $1^{55}$ ].

Figure 23 presents a waveform and a spectrogram of /a/ in the word [ $\mathrm{k}^{\mathrm{h}} \mathrm{a}^{55}$ ] 'bamboo box' transcribed by Sun without [?] in a coda. The waveform of / $\mathrm{a} /$ measured in the middle of the vowel (between 200 and 245 ms ) once again shows irregularly spaced pitch periods, and the spectrogram shows increased distance between the vertical striations in the second half of the vowel.

Figure 23: Waveform and spectrogram of $\left[\mathrm{k}^{\mathrm{h}} \underset{\sim}{ } \mathrm{P}^{55}\right]$ 'bamboo box'


Figure 24: Spectrogram of $\left[t^{\mathrm{h}}{\underset{\sim}{a}}^{55}\right]$ (from $\left[\mathrm{t}^{\mathrm{h}} \mathrm{a}^{31} n \underset{\sim}{\tilde{\sim}} y^{55}\right]$ ) 'younger sibling'


As noticed by Sun, vowel tenseness can be observed not only in open syllables. In Figure 24, /a/ is followed by a nasal, in which case not only the vowel but also the following nasal are laryngealized. From the spectrogram in Figure 24, it is clear that the vowel becomes progressively more laryngealized. The irregular pitch periods are particularly noticeable in the second half of $[\underset{\sim}{\tilde{a}}]$.

Tense vowels are distinguished from modal vowels in terms of their spectral properties. On the basis of their analysis of Jingpo, Hani, Nasu, and Wa , Maddieson and Ladefoged (1985) show that the most consistent acoustic feature of tense vowels is energy increase in higher formants and energy reduction in fundamental frequency (see also Gordon and Ladefoged 2001).

This study looks at the acoustic properties of tense vowels in Anong by analyzing the power spectra of /a/. Figures 25-26 present two Fast Fourier Transform (FFT) spectra calculated over a 23 ms window. The differences between them are in the amplitude of the second harmonic when compared to the amplitude of the fundamental. In Figure 25, the amplitude of the second harmonic is slightly less than that of the fundamental. In contrast, in Figure 26, the amplitude of the second harmonic is slightly greater than that of the fundamental. Another difference between the two spectra is that the spectrum of $/ \mathrm{a} /$ in $/ \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} /$ shows a slightly steeper increase in intensity as one moves from low
frequency components to higher frequency components. These differences imply that in $/ \mathrm{p}^{\mathrm{h}} \mathrm{a}^{33} /$ the vowel is not laryngealized as much as it is in $/ \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} /$.

Figure 25: FFT spectrum of / $\mathrm{a} /$ in the word $/ \mathrm{p}^{\mathrm{h}} \mathrm{a}^{33} /$ 'basket'


Figure 26: FFT spectrum of $/ \mathrm{a} /$ in $/ \mathrm{k}^{\mathrm{h}} \mathrm{a}^{55} /$ 'bamboo box'


It has been shown that a non-modal register sometimes correlates with a particular tone only. For example, among the three TibetoBurman languages discussed by Maddieson and Ladefoged (1985), in Jingpo and Nasu, each of the tones correlates with a tense and nontense (lax) register, but in Hani, only the mid and low falling tones cooccur with a tense register. One obvious explanation of the differences in the spectra of vowel / $\mathrm{a} /$ in Anong would be that the high tone 55 co-occurs with a tense phonation and the mid tone 33 co-occurs with a modal phonation.

The acoustic parameters of the vowel /a/ were measured for every tone to see whether in Anong there is a correlation between a phonation and a pitch. The amplitude values measured in the middle of /a/ were those of the first harmonic ( H 1 ) of the fundamental, the second harmonic (H2), and the first formant (F1). The comparisons between the amplitude values were made by subtracting the intensity of the first harmonic from the intensity of the second harmonic (H1-H2), and by subtracting the intensity of the first harmonic from the intensity of the harmonic closest to the first formant (H1-F1).

The results of these comparisons were checked particularly carefully for / $\mathrm{a} /$ tokens produced in tone 55 , where among the four pairs of words, in one, /da $\mathrm{P}^{55}$ / 'thunder', /a/ was recorded by Sun as followed by /R/. It was established that the amplitude values measured in the middle of /a/ were no different whether / $\alpha$ / was marked as being followed by a glottal stop or not. As a result, all the tokens of /a/ produced in tone 55 were averaged together. Figures 27 and 28 present amplitude comparisons across the five Anong tones.

The mean $\mathrm{H} 1-\mathrm{H} 2$ amplitude differences show that H 2 is about 5 dB above H 1 for the high tone 55 and about 4 dB above H 1 for the highfalling tone 53 . It is about 2 dB above H 1 for the mid-rising tone 35. The difference is much smaller for the mid-falling tone 31 and the mid tone 33 . For these tones, the amplitude of H 2 is only about 1 dB above the amplitude of H1. The mean $\mathrm{H} 1-\mathrm{F} 1$ amplitude differences show a similar pattern. Once again the difference is the biggest for tones 55 and 53 . It is about 5 dB . For tone 33 , the mean $\mathrm{H} 1-\mathrm{F} 1$ is 2.7 dB . The difference is the smallest for tones 31 and 35 , for which the amplitude of F1 is only about 1 dB above the amplitude of H 1 .

Figure 27: Differences in $\mathrm{H} 1-\mathrm{H} 2$ amplitude across the five Anong tones


Figure 28: Differences in H1-F1 amplitude across the five Anong tones


Figure 29 offers another look at the modal-tense register in Anong. It gives the averaged $\mathrm{H} 1-\mathrm{H} 2$ values at three percentage points $(25 \%$, $50 \%$, and $75 \%$ ) across the vowel duration for two tones for which the $\mathrm{H} 1-\mathrm{H} 2$ values are most different, tones 55 and 31 . To avoid effects of the preceding consonants, the vowel onset was excluded. To avoid effects of the following glottal stop, the vowel offset was also excluded. By sampling the amplitudes at three points instead of one, it was hoped to learn more about a correlation between a register and a pitch in Anong.

Figure 29 makes it clear that in Anong laryngealization is a vowel feature. Figure 33 makes it also clear that laryngealization in Anong is a matter of degree. Tone 55 correlates with a tense register. The amplitude of the second harmonic is greater than that of the fundamental at the three points measured across the vowel duration. Tone 31 correlates with tense-modal register, as the amplitude of the second harmonic is only slightly above that of the fundamental.

Figure 29: Averaged $\mathrm{H} 1-\mathrm{H} 2$ comparisons across /a/duration for tones 55 and 31


## 5. Conclusions

The study looked at different aspects of phonetic structures of Anong. It can be summarized as follows. The seven vowels of Anong are for the most part well differentiated on the basis of their F1 and F2 values, even though individual tokens of /e/ are not well separated from the tokens of $/ \varepsilon /$. Possible influence of Lisu on Anong vowels was not observed despite the fact that both systems are characterized by vowel raising and vowel nasalization.

Variation in the production of those consonants that are crosslinguistically less common pointed to the effects of language attrition. The three-way laryngeal contrast of voiceless aspirated, unaspirated and voiced stops was established for stops. For affricates, the three-way contrast was at times simplified to a two-way contrast between voiceless aspirated and voiceless unaspirated affricates. The three-way coronal contrast was established for fricatives and affricates. The analysis showed that despite the disappearance of retroflex stops, nasals and liquids, the fricative /s / was acoustically a retroflex, while the affricate /ts ${ }^{\mathrm{h}} /$ was not acoustically retroflex.

The analysis shows that in Anong tenseness is not an acoustic cue to any of the five tones in the same way that the pitch is. Neither is it a contrastive property of vowels. However, a degree to which a vowel is tense (laryngealized) correlates with a pitch level. Namely, there is a strong tendency for a high tone to co-occur with a fully laryngealized vowel, and for a mid and a mid-falling tone to co-occur with a slightly laryngealized vowel.

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[^0]:    ${ }^{1}$ Sun＇s Jingpo subgroup is controversial；however，the lower level group consisting of Trung（Dúlóng），Anong，and Rawang is not．LaPolla refers to this group at times as Dúlóng－Anong－Rawang and at times as Nungish．We have replaced LaPolla＇s use of Dúlong，a Mandarin name，with the autonym Trung，but otherwise it is the same group．Both Nungish and Trung－Anong－Rawang work fine for linguistic purposes．We reserve Nu for the ethnic group，a group that both speakers of Trung－Anong－Rawang languages and speakers of linguistically quite distinct Lolo－Burmese languages．
    ${ }^{2}$ The Nujiang is sometimes called the Nujiang River－in English，despite the fact that jiang itself means river in Chinese．

[^1]:    ${ }^{3}$ Bradley (p.c.) points out that the Anong of Myanmar have a recently developed writing system. See the discussion of the literacy work and Bible translation in the next footnote.

[^2]:    ${ }^{4}$ This statement must be qualified. First, it is clear that Sun is restricting his comment to the Anong spoken in China. Second, Sun makes clear in the original preface he was accompanied by other linguists in all but two his field trips to work on Anong; in fact, Sun thanks them for their help. However, aside from help from the linguists he mentions in the preface, it appears that Sun is the only linguist to have worked on Anong in China, and, certainly, the only one to have worked on the Nu River dialect.

    David Bradley (p.c.) mentions the work of Joel Kopang on the Anong spoken in Myanmar, who has devised and implemented an orthography, published a reading primer ([anonymous]. n.d. Anung Shiuva. Shiureu Chen Demc Bok [Literacy Primer in Anung Language], Noc Shiuva wa Rac Nang Chen Rac: Mulashidi, Putao, Burma); a New Testament ([anonymous], n.d. Geumeu Heungshangc Shiuva Khaziut se Bok [The New Testament in Anung Language], with publisher or place of publication information; and a hymn book. Undoubtedly, these are the 'materials from another country' Sun refers to a little later in this chapter. Joel Kopang has visited the Anong in China accompanied by Anong from Myanmar and reports that there is easy mutual intelligibility.

[^3]:    ${ }^{5}$ As Bradley (2007) notes, Sun's 1994 estimate of 400 is now much too high for Anong in China. Bradley (p.c.) citing Sun (p.c.), estimates the number has dropped to 40 or so speakers. However, there are some 4,000 speakers in Myanmar, as well as a few who live in Thailand. (See also Sun 2005). The further description of the Anong of Myanmar takes on more significance, as it represents an earlier stage of many of the changes documented in this work.

[^4]:    ${ }^{6}$ Bradley (p.c.) notes that he has never met an Anong speaker who was not bilingual in Lisu, although he suggests that there may well be a few in Myanmar. It is also clear that among the Anong of China, except for a couple of the most elderly Anong, Lisu was their dominant language.

[^5]:    ${ }^{7}$ The date of Lisu and Bai arrival in the area is disputed. Bradley (1994) notes that Lisu tradition says that Lisu have been living in the area since about 1573, but now thinks (p.c.) that this is a little too early; he notes that 1742 appears in some sources. He suggests that the local Bai (actually Laemae, sometimes known as 'Northern Bai' but speaking a quite distinct language) have probably been there at least as long. Bradley (p.c.) notes that more than 600 years earlier still, the Lisu appear at the time of the Nanzhao kingdom, living further east in the mountains northeast of Erhai Lake and serrving as soldiers fighting against the Han and Tibetans for Nanzhao.

[^6]:    Language development occurs hand-in-hand with social development. The liberation and economic development of different ethnic groups

[^7]:    ${ }^{8}$ Note that, as Bradley (p.c.) writes and as we have briefly described in earlier footnotes, the Anong of Myanmar have a script, which contains religious writings. See also Joel Kopang.

[^8]:    ${ }^{1}$ The preposed numerals indicate the number of tokens. Several of these combinations are limited to loans or onomotopoetic forms.

[^9]:    ${ }^{1}$ It is important to note that, while Sun refers to these entities as prefixes, he often alternatevly refers to them as reduced syllables in prefix position. From a historical perspective, some of these are known to descend from fuller morphemes; others are still unidentified.
    ${ }^{2}$ At least some of these $\mathrm{bu}^{31}$ 'prefixes' come from the reduction of a word for 'insect; bug'.

[^10]:    ${ }^{3}$ Although only a few of the examples given here exemplify the two prefixes Sun is referring to, it is quite clear that there was both an ${ }^{*}$ s- prefix marking causative, transitive, directional and a quite separate prefix referred to as the ${ }^{*}$ s- animal prefix, which was extended to body parts.

[^11]:    ${ }^{4}$ Sun declines to give examples for this set of low frequency prefixes. However, examples of all of them can be found through a search of the lexicon.

[^12]:    ${ }^{5}$ The $-\varepsilon^{31},-\varepsilon^{55}$ is the reflex of the old Sino-Tibetan copula. It is found attached to stative adjectives elsewhere in Tibeto-Burman, too.

[^13]:    ${ }^{1}$ Table 17 has terms for birth order only up to fifth-born. However, Bradley (2008:54-69) writes that the Anong system in Myanmar has terms up to ninth-born. One question is why there is a difference here. In any case, this system, borrowed into Lisu, is one of the clearest cases of influence from Anong into Lisu.

[^14]:    ${ }^{2}$ Sun Hongkai. 1999. Zhangmian Yu Liangci Yongfa Bijiao-jian lun liangci fazhan de jieduan cengci [A comparison of the uses of classifiers in Tibeto-Burman languages, with a discussion on their developmental stages and layers]. Zhongguo Yuyan Xuebao [Journal of Languages of China], Vol. 3.

[^15]:    ${ }^{3}$ The citation form for verbs is, as LaPolla (2000:284) has noted for closely-related Rawang, the third-person non-past affirmative/declarative form.

[^16]:    ${ }^{4}$ Anong reflexive marking seems to include some middle marking (see LaPolla 2004), or fossilized remains of middle marking.

[^17]:    ${ }^{5}$ The tonal variation is not unexpected. Work is needed on the nuances of the tense-aspect marking.

[^18]:    ${ }^{6}$ The tense-aspect-agreement system is still far from being fully understood.

[^19]:    ${ }^{7}$ This conjunction apparently consists of two clauses each marked with $1 \varepsilon^{31} \mathrm{~S}_{1}{ }^{55}$ 'continue'.
    ${ }^{8}$ Sun, in a wordlist, gives along with this form 'He eats while he runs' to clarify the semantics.

[^20]:    9 This marker occurs on a wide-range of 'objects' including some indirect objects, some datives, and some direct objects. The basic meaning seems to be 'affected entity', but we will continue to follow Sun in terming these simply objects.

[^21]:    ${ }^{10}$ The key to understanding the meaning of this example is the placement of $\eta u^{31} a^{31}$, glossed as a definite marker, but which is often equivalent to a subject or topic marker. It occurs directly after ven ${ }^{35}$ 'buy', making the topic of the sentence 'what older brother bought' and the predicate 'was flowery clothing', hence, the translation. Sun translates it as such; our translation of the Chinese reflect both the Anong and Sun's translation of it.

[^22]:    ${ }^{11}$ The conjoined topic is 'what he bought' and 'what I bought', marked by the definite marker $\eta \mathrm{m}^{31} \mathrm{a}^{31}$ and the definite marker $\mathrm{a}^{31}$; what remains is the predicate, hence the translation.

[^23]:    ${ }^{12}$ The le ${ }^{53}$ looks to be the wide-spread Tibeto-Burman content question marker, which has otherwise been largely replaced in Anong by $m \varepsilon^{53}$, ultimately from < 'not'.

[^24]:    ${ }^{13}$ The form for 'give' incorporated into the verb suggests benefactive marking.

[^25]:    ${ }^{14}$ The $\mathrm{u}^{55}$, which is labeled a nominalizer, has the same shape as sentence-final particle found elsewhere.

[^26]:    ${ }^{15}$ The $\mathrm{la}^{31}$ is labeled an optative elsewhere and the $\mathrm{li}^{31}$ is labeled a supplicative.

[^27]:    ${ }^{1}$ This subgroup of four languages is ethnic, not linguistic. The two non-Nung languages are Nusu and Zauzou, both Lolo-Burmese. Thus, the ethnic designation combines two Nungish languages and two Lolo-Burmese languages.

[^28]:    ${ }^{2}$ The reader, wary or not, should be aware by this point that the aspectual labels are unclear even within a given language description, let alone across descriptions. Sun himself makes that point in this section. While it would be nice to straighten all of the differing aspectual terminology out it would be neither trivial, nor possible, without sophisticated fieldwork on all the languages involved.
    ${ }^{3}$ It is clear that Sun recognizes the cognacy of this term. Whether he would agree that the Anong form is borrowed from Lisu is another question. In any case, it is a grammaticalized form of a word for 'person'.

[^29]:    ${ }^{4}$ The terminology is again a problem. Sometimes these verbs are labeled copular, sometimes existential, occasionally stative, and sometimes progressive. Their glosses vary in a similar way: sometimes glossed as 'be' and other times as 'have'. A search for COP, 'be', or 'have' will yield numerous examples.
    ${ }^{5}$ Sun notes elsewhere in the text that Anong $a^{31} n \varepsilon^{55}$ is cognate to Trung ăn ${ }^{53}$.
    ${ }^{6}$ As Sun suggests elsewhere this simply might be ergativity.

[^30]:    ${ }^{7}$ The subgrouping here is typological, more than genetic.
    ${ }^{8}$ Benedict was interested both in genetic affiliations and in diffusion of characteristics from one language. His diagram is sometimes given a genetic interpretation and sometimes a diffusional interpretation. The centrality of Jingpo (labeled Kachin, a term which is ethnic rather than linguistic) is absolutely unambiguous in the diagram.

[^31]:    ${ }^{9}$ The Jingpo [labeled Kachin] in Benedict's diagram shows affiliations between Jingpo and all the rest of Tibeto-Burman; thus, Sun has to mean by his Jingpo subgroup a subgroup that shares characteristics with Jingpo to the exclusion of other TibetoBurman languages, that is, he is arguing for a special relationship between Jingpo and his languages.

[^32]:    ${ }^{1}$ See the notes at the end of the three texts.

[^33]:    ${ }^{1}$ I would like to thank Professor Sun Hongkai for sharing his recordings with me and making this acoustic study possible.

[^34]:    ${ }^{2}$ This section is based on an earlier analysis of vowels in Thurgood (2007) with some new data on vowels, particularly on the vowel [e], included in this analysis.

[^35]:    ${ }^{3}$ This points to $\left[\mathrm{ts}{ }^{\mathrm{h}}\right]$ being more $\left[\mathrm{t} \mathrm{c}^{\mathrm{h}}\right.$ ]. The retroflex affricate is analyzed later in the section devoted to coronal contrasts.

[^36]:    ${ }^{4}$ Vowel changes are discussed earlier.

[^37]:    ${ }^{5}$ The center of gravity was calculated following the method described in Gordon, Barthmaier, and Sands (2002) for each token and then averaged together for each coronal appearing in each context.

