

A comparison of general classifiers in Tai-Kadai languages^{*}

SOMSONGE Burusphat
Mahidol University, Thailand

Abstract

The paper aims to investigate the genuine general classifiers and the general classifiers which are derived from the ‘round’ classifiers in Tai-Kadai languages, namely, Bouyei (Buyi, Dioi), Sui (Shui), Hlai (Li), Northern Zhuang, Dai (Tai Lue), Shan, Lao, and Central Thai.

This study has found that there are three kinds of general classifiers in the Tai-Kadai languages. The first kind is genuine general classifiers which do not class the physical characteristics of objects. They include *kai*²⁴ in Bouyei language; *hom*⁵³ in Hlai language; and *ʔan* in Northern Zhuang, Dai, Shan, Lao, and Central Thai languages. The second kind of general classifier is derived from shape/form classifiers which originally classed ‘fruit’ or sphericals. The third kind of general classifier has been extended from ‘animal’ domain to categorize various semantic fields, especially newly introduced items.

1. Introduction

A fundamental parameter that is used to classify entities in classifier languages is ‘shape/form’. The shape/form parameter has traditionally been divided into the major dimensional subcategories of long (one-dimensional), flat (two-dimensional), and round (three-dimensional) (Allan 1977).

Besides the shape/form classifiers, many languages have a general classifier for items which are not physically classified. As pointed out by Barz and Diller (1985:173), “A ‘general classifier’ is used in some languages when a specific one is deemed inapplicable.” The general classifier may be a genuine general classifier or derived from a shape/form classifier. Allan (1977:295) points out that “many languages have a classifier for round or saliently three-dimensional objects.” The ‘round’ classifier has been extended to class a large number of objects and thus become a general classifier.

^{*}I would like to thank Megan Sinnott for editing the first draft of this paper. I am grateful to Anthony Diller and Wilaiwan Khanittanan for their valuable comments and suggestions on the final draft of this paper. My special thanks goes to Vinya Sysamouth and Scott Groethe for helping me with the interview of Lao and Tai Lue informants respectively. I thank Weerapong Mesathan for transcribing the Lao fonts into phonetic symbols and Phra Aggasena Laengtai for transcribing the Tai Lue fonts into phonetic symbols.

The languages of Tai-Kadai language family show an extended usage of classifiers that are originally used with fruit or spherical objects. The main focus of this paper, therefore, is to investigate the genuine general classifiers and the general classifiers which are derived from the ‘round’ classifiers in Tai-Kadai languages, namely, Bouyei (Buyi, Dioi), Sui (Shui), Hlai (Li), Northern Zhuang, Dai (Tai Lue), Shan, Lao, and Central Thai.

2. Sources of data

The languages of Tai-Kadai language family which are under this study include Bouyei, Sui, Hlai, Northern Zhuang, Dai, Shan, Lao, and Central Thai. The number of informants and locations where the eight Tai-Kadai languages are spoken are as follows:

Table 1. Number of informants and locations

| Languages | Locations | number of informants |
|--------------------|--|----------------------|
| Bouyei (Buyi/Dioi) | Zhenfeng County, Guizhou Province, PR China | 1 |
| Sui (Shui) | Sandu County, Guizhou Province, PR China | 1 |
| Hlai (Li) | Ledong Li Autonomous County, Hainan Province, PR China | 2 |
| Northern Zhuang | Hawyiengh, Mashan County, Guangxi Zhuang Autonomous Region, PR China | 1 |
| Dai (Tai Lue) | Xishuangbanna, Yunnan Province, PR China | 6 |
| Shan | Shan State, Union of Myanmar | 1 |
| Lao | Vientiane; Pakse, Champasak; Muang Khong, Salavan (Laos) | 3 |
| Central Thai | Bangkok (Thailand) | 2 |

A list of 242 nouns was prepared for data collection. These nouns can be classified by a number of classifiers. This list was used for interviewing seventeen informants.¹ This study is limited in two respects, that is, the number

¹My sincere thanks goes to the following informants who provided me with the data used for this study:
Central Thai: Miss Sukanya Krishnasreni and Mrs. Sujaritlak Deepadung
Lao: Mrs. Bounheng Inversin, Mr. Bounpheng Sysamouth and Miss Duean Janthamat
Dai (Tai Lue): Mrs. Zhang Qiushang, Mr. Xiangbing Yan, Mr. Suo Yan, Mr. Ha Yan, Mr. Long Yan, and Miss Jiao Yu.
Shan: Phra Aggasena Laengtai
Bouyei: Mr. Zhou Guoyan
Northern Zhuang: Mr. Qin Xiaohang
Kam: Mr. Daniel Yang
Sui: Mr. Wei Xuecun
Hlai: Mr. Wen Mingying and Mrs. Wen Jing
Northern Thai (Lampang) Miss Aimkamon Boonme
Southern Thai (Krabi) Miss Piyanan Thongkhamchum.

of informants, and nouns used for data collection. The data on Tai-Kadai languages spoken in PR China were collected from native speakers who are staff of the Kam-Tai Institute, Central University for Nationalities, Beijing, PR China. One or two native speakers represent one language. The data on Dai (Tai Lue) were collected both from a native speaker working at the Kam-Tai Institute and a group of native speakers who are studying in Chiangmai Province, Thailand. The Shan data were compiled from a native speaker who is a graduate student at Mahidol University. The data on Lao came from various sources. The main informant came from Muang Khong, Salavan, Laos to work in Bangkok. The other two informants are overseas Lao in the US. The data on Central Thai were collected from two native speakers of Central dialect. The list of nouns used in this study is based on the nouns used with a number of classifiers found in the Tai-Kadai dictionaries as listed in the references. Some classes of nouns may be limited especially the non-dimensional class.

3. Theoretical framework

General classifiers can be used with entities of various semantic domains. The classification of the entities into different semantic domains is based on Adams and Conklin (1973) and Denny (1976). Most general classifiers are used with inanimates which are further subcategorized into shape/form and classificators. The shape/form classifiers have two subcategories, dimensional subcategory and non-dimensional subcategory. The dimensional subcategory consists of one-dimensionality, two-dimensionality and three-dimensionality. The non-dimensional subcategory classifies the objects with a prominent curved exterior or a hollow interior. The classificators are subcategorized into two groups, that is, nature/function and arrangement.

4. Numeral noun phrase

Jones (1970) classifies the languages of Southeast Asia and South China into two large groups. The classification is based on the structure of noun phrases involving classifiers. The two groups are differentiated by the position of the head noun. The first group has the pattern Numeral-Classifier-Noun. The languages that use this pattern have the widest geographic distribution. Such languages are Chinese and Vietnamese therefore this group is referred to as ‘Chinese type’. The second group employs the pattern Noun-Numeral-Classifier. It includes such languages as Thai and Burmese, so it is referred to as ‘Southeast Asian type’. Barz and Diller (1985:177) add other languages into these two groups as follows:

| Family | Numeral-Classifier-Noun | Noun-Numeral-Classifier |
|----------------|-----------------------------------|------------------------------------|
| Sino-Tibetan | Chinese | Burmese, Lolo, Lisu |
| Austronesian | Malay, Cham | Javanese |
| Austro-Asiatic | Brou, Katu, Sedang | Mon, Khmer, Khmu’ |
| Tai | Zhuang, Nung, Black and White Tai | Standard Thai, Lao, Shan, Tai-Ahom |

The nine Tai-Kadai languages under this study can be grouped into ‘Chinese type’ and ‘Southeast Asian type’ as follows:

| | |
|---|---|
| Chinese type (Numeral-Classifier-Noun) | Southeast Asian type (Noun-Numeral-Classifier) |
| Bouyei | Central Thai |
| Northern Zhuang | Lao |
| Sui | Dai |
| Hlai | Shan |

5. The general classifiers in Tai-Kadai languages

5.1 Bouyei

There are two general classifiers in Bouyei, that is, *kai*²⁴ and *ɬdan*³³. The former is a genuine general classifier and the latter is derived from a ‘round’ classifier. Besides serving as a general classifier, *kai*²⁴ also has several functions. *kai*²⁴ as a noun means ‘rooster, hen’ and as a verb means ‘to affix’. It is also an auxiliary word used before a noun or an adjective as in the following sentence:

*kai*²⁴ *la:u*⁴ *kai*⁵ *ne*⁵ *tu*³ *ɬau*¹
CLF big CLF small all want
‘Both the big ones and the small ones are in need.’
(Zhou Guoyan et al 2001: 237-238)

The general classifier *kai*²⁴ is a classifier for measuring small inanimate objects and other inanimate objects which are not native as listed in Table 2.

Table 2. The classification of entities with the general classifier *kai*²⁴

| Semantic fields | Entities classed by <i>kai</i> ²⁴ |
|----------------------------|---|
| like-shaped (spherical) | <i>jaŋ</i> ³¹ <i>wa</i> ³¹ <i>wa</i> ³³ ‘doll’ |
| newly introduced | <i>hua</i> ²⁴ <i>thoŋ</i> ³¹ ‘microphones’, <i>kho</i> ²⁴ <i>tshuun</i> ³¹ ‘university course’, <i>kue</i> ³¹ <i>tɕa</i> ³³ ‘country’ |
| long (one-dimensional) | <i>vuu</i> ³¹ ‘reed of the loom’ |
| non-dimensional | <i>tɕo</i> ³⁵ <i>vun</i> ³¹ ‘ring’ |
| localities (functional) | <i>luu</i> ³⁵ <i>tɕau</i> ³¹ ‘bridge’, <i>ɔa:n</i> ³¹ <i>miau</i> ¹¹ ‘temple’, <i>luu</i> ³⁵ <i>ɔa:n</i> ³¹ ‘house’, <i>ɔa:n</i> ³¹ <i>ne</i> ²⁴ ‘hut’ |
| body part | <i>ɬbai</i> ³³ <i>ɔi</i> ³¹ ‘ear’, <i>soŋ</i> ⁶ <i>pa</i> ³ ‘mouth’ |

Most newly introduced items are Chinese loanwords and classed by the general classifier *kai*²⁴, e.g., *hua*²⁴*thoŋ*³¹ ‘microphones’ and *kho*²⁴*tshuun*³¹ ‘university course’ and *kue*³¹*tɕa*³³ ‘country’.

*ʔdan*³³ can be used as a general classifier or a prefix of some nouns, e.g., *ʔdan*³³ *pai*² ‘sore’, *ʔdan*³³ *tuai*⁴ ‘rice bowl’. It originally categorizes fruit and round objects and has been vastly extended from the ‘round’ class to encompass a large number of inanimate entities within different semantic domains as shown in Table 3.

Table 3. Classification of entities with the general classifier *ʔdan*³³

| Semantic fields | Entities classed by <i>ʔdan</i> ³³ |
|------------------------------|--|
| fruit | <i>luuk</i> ¹¹ <i>ma</i> ³⁵ ‘fruit’, <i>ma</i> ³⁵ <i>ka:m</i> ³³ ‘orange’, <i>ʔok</i> ³⁵ <i>tɕuai</i> ³⁵ ‘banana’, |
| round (three-dimensional) | <i>tɕai</i> ²⁴ <i>kai</i> ²⁴ ‘egg’, <i>taŋ</i> ³³ <i>ŋuan</i> ³¹ ‘sun’, <i>ðoŋ</i> ¹¹ <i>ʔdian</i> ³³ ‘moon’, <i>ʔda:u</i> ³³ <i>ʔdi</i> ²⁴ ‘star’, <i>pau</i> ¹ ‘ball’, <i>tsuŋ</i> ³³ ‘clock, watch’ |
| like-shaped (spherical) | <i>luu</i> ³⁵ <i>taŋ</i> ³³ ‘lamp’, <i>lu</i> ³¹ <i>tsɿ</i> ⁴² ‘stove’, <i>luu</i> ³⁵ <i>ma:u</i> ¹¹ ‘hat’, <i>tsɿ</i> ²⁴ <i>mu</i> ⁴² ‘character, letter’, <i>jaŋ</i> ³¹ <i>ma</i> ⁴² <i>tsɿ</i> ⁴² ‘numbers’, <i>ʔa:p</i> ¹¹ <i>ʔjan</i> ³³ ‘pack of cigarettes’, <i>ðoŋ</i> ³¹ ‘nest’ |
| bulky | <i>po</i> ³³ ‘mountain’, <i>ðin</i> ³³ <i>ka</i> ³¹ ‘stone mill’ |
| container | <i>luu</i> ³⁵ <i>vu</i> ³³ ‘bottle’, <i>luu</i> ³⁵ <i>kuan</i> ²⁴ ‘pot’, <i>luu</i> ³⁵ <i>toŋ</i> ³⁵ ‘bucket’, <i>luu</i> ³⁵ <i>sa:n</i> ³⁵ ‘cup’, <i>luu</i> ³⁵ <i>tuai</i> ⁴² ‘bowl’, <i>phin</i> ³¹ <i>tsɿ</i> ⁴² ‘jar’, <i>luu</i> ³⁵ <i>vu</i> ³³ ‘kettle’, <i>ʔeŋ</i> ¹ ‘vat’, <i>luu</i> ³⁵ <i>ʔa:p</i> ¹¹ ‘box’, <i>luu</i> ³⁵ <i>tɕuŋ</i> ³¹ ‘cage’, <i>luu</i> ³⁵ <i>soŋ</i> ³³ ‘small bag’ |
| furniture | <i>luu</i> ³⁵ <i>kui</i> ¹¹ ‘closet, cupboard’, <i>luu</i> ³⁵ <i>sua:ŋ</i> ³¹ ‘bed’, <i>luu</i> ³⁵ <i>soŋ</i> ³¹ ‘table’, <i>taŋ</i> ²⁴ <i>koŋ</i> ² ‘chair’ |
| flat (two-dimensional) | <i>luu</i> ³⁵ <i>ðaŋ</i> ³³ ‘winnowing fan’, <i>luu</i> ³⁵ <i>pa:n</i> ³¹ ‘plate’ |
| long (one-dimensional) | <i>suŋ</i> ²⁴ <i>ne</i> ²⁴ ‘gun’, <i>luu</i> ³⁵ <i>lian</i> ³³ ‘umbrella’ |
| non-dimensional | <i>soŋ</i> ¹¹ <i>ka:m</i> ³⁵ ‘hole’ |
| localities (functional) | <i>luu</i> ³⁵ <i>tɕau</i> ³¹ ‘bridge’, <i>ða:n</i> ³¹ <i>miau</i> ¹¹ ‘temple’, <i>luu</i> ³⁵ <i>ða:n</i> ³¹ ‘house’, <i>ða:n</i> ³¹ <i>ne</i> ²⁴ ‘hut’ |

The original ‘round’ classifier *ʔdan*³³ has a metaphorical extension. It classes a large number of like-shaped objects, bulky objects, containers, and furniture. This classifier has been enhanced to cover other semantic components, that is, flat, long, non-dimensional and functional.

5.2 *Sui*

Sui has the general classifier *lam*¹ which has the nominal meaning ‘fruit’. This general classifier is originally the class for fruit. It encompasses a much larger domain of entities than the Bouyei *ʔdan*³³. It is organized as a category around a metaphorical extension from sphericals to a large number of entities within various semantic domains. It has been a powerful class and has become a general classifier. Out of 242 nouns in the wordlist, it classes 94 nouns as listed in Table 4.

Table 4. Classification of entities with the general classifier *lam*¹

| Semantic fields | Entities classed by <i>lam</i> ¹ |
|------------------------------|--|
| fruit | <i>sui</i> ⁶ <i>ko</i> ⁶ ‘fruit’, <i>qaam</i> ⁵ ‘orange’, <i>mu</i> ² <i>kwa</i> ³ ‘papaya’, <i>ɕaɑŋ</i> ³ <i>tɕau</i> ³ ‘banana’ |
| round (three-dimensional) | <i>quk</i> ⁸ <i>mom</i> ⁶ ‘fish ball’, <i>tɕhju</i> ⁴ ‘ball’, <i>kai</i> ⁵ ‘egg’, <i>zət</i> ⁷ ‘star’, <i>tə</i> ¹ <i>van</i> ¹ ‘sun’, <i>njen</i> ² ‘moon’, <i>tsuŋ</i> ³ ‘clock, watch’, <i>nui</i> ⁶ ‘pimple’ |
| like-shaped (spherical) | <i>teŋ</i> ⁵ ‘lamp’, <i>lu</i> ² ‘stove’, <i>mau</i> ⁶ ‘hat’, <i>kuŋ</i> ¹ ‘nest’, <i>ʔma</i> ¹ <i>tɕwan</i> ⁶ <i>sin</i> ³ <i>tshai</i> ¹ ‘head of cabbage’, <i>ʔma</i> ¹ <i>yo</i> ⁵ <i>sən</i> ⁶ ‘head of lettuce’, <i>to</i> ² ‘garlic’, <i>nu</i> ⁴ <i>zən</i> ¹ <i>maŋ</i> ⁴ ‘doll’, <i>tsi</i> ¹ <i>mu</i> ⁶ ‘character’, <i>su</i> ¹ <i>tsi</i> ¹ ‘number’ |
| bulky | <i>nu</i> ² ‘mountain’, <i>pja</i> ¹ ‘rock’, <i>muə</i> ² ‘stone mill’, <i>ɕuŋ</i> ² ‘loom’ |
| container | <i>phin</i> ⁴ ‘bottle’, <i>tsuŋ</i> ¹ ‘cup’, <i>tui</i> ⁴ ‘bowl’, <i>yaam</i> ⁵ ‘jar’, <i>po</i> ² ‘pot’, <i>pən</i> ² ‘basin’, <i>toŋ</i> ³ ‘bucket’, <i>sau</i> ¹ <i>le</i> ¹ ‘bag’, <i>peŋ</i> ² <i>nam</i> ³ ‘kettle’, <i>ho</i> ² <i>tsi</i> ⁶ ‘box’ |
| furniture | <i>hi</i> ³ ‘table’, <i>ʔun</i> ¹ ‘chair’, <i>kui</i> ⁶ ‘closet, cupboard’, <i>yu</i> ² ‘cage’, <i>mai</i> ⁴ ‘coffin’, <i>taau</i> ² ‘bed’ |
| newly introduced | <i>tsi</i> ² <i>tha</i> ³ ‘guitar’, <i>lu</i> ² <i>jin</i> ³ <i>tɕi</i> ³ ‘tape recorder’, <i>fa</i> ¹ <i>tuŋ</i> ⁴ ‘microphone’, <i>tsau</i> ¹ <i>ɕaɑŋ</i> ¹ <i>tɕi</i> ³ ‘camera’, <i>səu</i> ³ <i>jin</i> ³ <i>tɕi</i> ³ ‘radio’, <i>tjen</i> ¹ <i>nau</i> ⁶ ‘computer’, <i>yaan</i> ² ‘household, family’, <i>kho</i> ¹ <i>tshən</i> ⁴ ‘university course’ |
| literary | <i>pi</i> ² <i>tɕi</i> ¹ <i>pən</i> ⁶ ‘notebook’ |
| long (one-dimensional) | <i>ku</i> ³ <i>li</i> ² ‘plowshare’, <i>mai</i> ⁴ <i>swa</i> ² ‘brush’, <i>ja</i> ⁴ <i>swa</i> ² ‘toothbrush’, <i>kum</i> ¹ ‘pestle’, <i>tjum</i> ¹ <i>haan</i> ⁵ ‘umbrella’, <i>mai</i> ⁴ <i>pjet</i> ⁷ ‘pen’, <i>mai</i> ⁴ <i>pjet</i> ⁷ <i>tshen</i> ³ <i>pi</i> ² ‘pencil’, <i>hət</i> ⁸ ‘tail’, <i>tsui</i> ² ‘hammer’, <i>tsuŋ</i> ⁵ <i>sau</i> ⁶ <i>tshaŋ</i> ³ ‘gun’ |
| flat (two-dimensional) | <i>pən</i> ⁵ ‘winnowing fan’, <i>tjə</i> ² ‘plate’, <i>mjen</i> ² ‘quilt’, <i>to</i> ¹ ‘door’, <i>to</i> ¹ <i>faɑŋ</i> ¹ ‘window’ |
| non-dimensional | <i>qaam</i> ¹ ‘hole’, <i>fin</i> ¹ ‘ring’ |
| localities | <i>yan</i> ² <i>fe</i> ⁴ <i>ka</i> ⁴ <i>tsjeŋ</i> ⁵ ‘theater, cinema’, <i>nu</i> ² <i>kaau</i> ³ <i>haai</i> ³ ‘island’, <i>si</i> ² ‘temple’, <i>tɕeu</i> ² ‘bridge’ |
| body parts | <i>vjən</i> ¹ ‘tooth’, <i>da</i> ¹ ‘eye’, <i>qha</i> ¹ ‘ear’, <i>qo</i> ⁴ ‘throat’, <i>ha</i> ¹ ‘shoulder’, <i>paak</i> ⁷ ‘mouth’, <i>mjə</i> ¹ ‘hand (one)’, <i>tin</i> ¹ ‘foot (one)’, <i>na</i> ³ ‘face’, <i>ku</i> ³ ‘head’, <i>te</i> ³ <i>tak</i> ⁷ ‘breast’, <i>taan</i> ³ <i>tau</i> ¹ ‘shadow’ |
| vehicles | <i>fui</i> ³ <i>tɕi</i> ³ ‘airplane’, <i>tshə</i> ³ <i>po</i> ⁴ ‘oxcart’, <i>tshə</i> ³ ‘car’, <i>thsə</i> ³ ‘bus’, <i>tshu</i> ² <i>tsu</i> ³ <i>tshə</i> ³ ‘taxi’, <i>lwə</i> ¹ ‘boat’ |
| plants | <i>mai</i> ⁴ <i>ji</i> ¹ ‘palm tree’, <i>mai</i> ⁴ ‘log’, <i>taau</i> ⁴ ‘bamboo shoot’ |

5.3 Hlai

Hlai has one general classifier, i.e., *hom*⁵³. This general classifier takes a large range of inanimates from the smallest size object ‘grain’ to the

bulky size object ‘mountain’. There are 87 nouns which are classified by *hom*⁵³ as listed in Table 5.

Table 5. Classification of entities with the general classifier *hom*⁵³

| Semantic fields | Entities classed by <i>hom</i> ⁵³ |
|------------------------------|--|
| fruit | <i>tshom</i> ⁵³ <i>tshai</i> ⁵³ ‘fruit’, <i>tsho:m</i> ⁵³ <i>kai</i> ⁵³ <i>kit</i> ⁵⁵ ‘orange’, <i>ʔai</i> ⁵³ <i>tshai</i> ⁵³ ‘papaya’, <i>phu</i> ¹¹ <i>tha:u</i> ¹¹ ‘grape’, <i>hwe:k</i> ⁵⁵ ‘banana’, <i>hu</i> ¹¹ <i>tsi:u</i> ⁵⁵ ‘chili pepper’ |
| round (three-dimensional) | <i>pok</i> ⁵⁵ ‘grain, granular’, <i>fan</i> ⁵³ ‘seed’, <i>zu:n</i> ¹¹ ‘pill’, <i>vut</i> ⁵⁵ ‘pimple’, <i>ha:i</i> ¹¹ <i>pu</i> ⁵³ <i>hwe:ŋ</i> ¹¹ ‘mole’, <i>tsi:n</i> ⁵⁵ <i>tu</i> ⁵⁵ ‘pearl’, <i>zu:n</i> ¹¹ <i>ta</i> ⁵³ ‘fish ball’, <i>khi:u</i> ¹¹ ‘ball’, <i>zu:m</i> ⁵³ <i>khai</i> ⁵³ ‘egg’, <i>ra:u</i> ⁵³ ‘star’, <i>tsha</i> ⁵³ <i>hwan</i> ⁵³ ‘sun’, <i>na:n</i> ⁵³ ‘moon’, <i>tsi:ŋ</i> ⁵⁵ ; <i>bi:u</i> ¹¹ ‘clock, watch’ |
| like-shaped (spherical) | <i>tsi:u</i> ⁵⁵ ; <i>deŋ</i> ⁵⁵ ‘lamp’, <i>lu</i> ⁵³ ‘stove’, <i>plu:t</i> ⁵⁵ ; <i>ma:u</i> ⁵⁵ ‘hat’, <i>ru:k</i> ⁵⁵ ‘nest’, <i>beu</i> ⁵³ <i>ta:i</i> ¹¹ <i>lua</i> ¹¹ ‘head of cabbage’ |
| bulky | <i>gaŋ</i> ⁵³ ; <i>hwau</i> ¹¹ ‘mountain’, <i>tshi:n</i> ⁵³ ‘stone’, <i>tshi:n</i> ⁵³ ‘rock’, <i>plon</i> ¹¹ <i>tsu</i> ⁵⁵ <i>ka:n</i> ⁵⁵ <i>tshi:n</i> ⁵³ ‘stone mill’ |
| container | <i>lau</i> ⁵³ <i>li</i> ⁵³ ‘bottle’, <i>kok</i> ⁵⁵ ; <i>tsi:ŋ</i> ¹¹ ‘cup’, <i>ʔua:u</i> ⁵³ ‘bowl’, <i>lau</i> ⁵³ <i>li</i> ⁵³ <i>va</i> ¹¹ <i>pam</i> ¹¹ ‘jar’, <i>kai</i> ⁵³ ‘pot’, <i>ʔe:ŋ</i> ⁵⁵ ; <i>phu:n</i> ¹¹ ‘basin’, <i>tha:ŋ</i> ⁵³ <i>nam</i> ¹¹ ‘bucket’, <i>ku</i> ⁵⁵ <i>de:t</i> ⁵³ ‘bag’, <i>tui</i> ¹¹ <i>hu</i> ¹¹ ‘kettle’, <i>hop</i> ⁵⁵ ‘box’, <i>li:k</i> ⁵⁵ ; <i>rok</i> ⁵⁵ ‘cage’ |
| furniture | <i>tsho</i> ⁵³ ; <i>to:ŋ</i> ¹¹ ‘table’, <i>tsau</i> ⁵⁵ ‘closet, cupboard’ |
| newly introduced | <i>ki:t</i> ⁵⁵ <i>tha</i> ⁵⁵ ‘guitar’, <i>lok</i> ⁵⁵ <i>ʔi:m</i> ⁵⁵ <i>ki</i> ⁵⁵ ‘tape recorder’, <i>ʔu:i</i> ⁵⁵ <i>da:ŋ</i> ¹¹ ‘microphone’, <i>ki:p</i> ⁵⁵ <i>ti:u</i> ¹¹ <i>ki</i> ⁵⁵ ‘camera’, <i>tiu</i> ⁵⁵ <i>ʔi:m</i> ⁵⁵ <i>ki</i> ⁵⁵ ‘radio’, <i>ti:n</i> ⁵⁵ <i>na:u</i> ¹¹ ‘computer’, <i>khwa</i> ¹¹ <i>tsheŋ</i> ¹¹ ‘university course’, <i>ku</i> ¹¹ <i>phi:u</i> ¹¹ ‘stock’, <i>plon</i> ¹¹ ‘household, family’ |
| flat (two-dimensional) | <i>tshaŋ</i> ¹¹ <i>phi:n</i> ¹¹ ‘disk’, <i>don</i> ¹¹ <i>rau</i> ⁵³ ‘winnowing fan’, <i>ʔua:u</i> ⁵³ <i>lai</i> ⁵⁵ ‘plate’, <i>tshom</i> ⁵³ ‘door’, <i>fiu</i> ⁵⁵ <i>plon</i> ¹¹ ‘window’ |
| long (one-dimensional) | <i>ban</i> ⁵⁵ ‘chisel’, <i>tsu</i> ⁵⁵ <i>lun</i> ⁵³ ‘axe’, <i>tho</i> ⁵⁵ <i>keŋ</i> ⁵⁵ ‘spoon’, <i>lai</i> ⁵⁵ ‘plough’ |
| non-dimensional | <i>tshu:ŋ</i> ¹¹ ‘hole’, <i>tsu</i> ⁵⁵ <i>lo:p</i> ⁵⁵ <i>zi:ŋ</i> ⁵⁵ ‘ring’ |
| localities | <i>plon</i> ¹¹ ‘house’, <i>ʔeŋ</i> ⁵⁵ <i>plon</i> ¹¹ ‘hut’, <i>plon</i> ¹¹ <i>vu:k</i> ⁵⁵ <i>hi</i> ¹¹ ‘theater, cinema’, <i>plon</i> ¹¹ <i>gop</i> ⁵⁵ <i>gwau</i> ¹¹ ‘barbershop’, <i>da:u</i> ¹¹ ‘island’, <i>plon</i> ¹¹ <i>but</i> ¹¹ ‘temple’ |
| body part | <i>tsu</i> ⁵⁵ <i>li:p</i> ⁵⁵ ‘nail’, <i>fan</i> ⁵³ ‘tooth’, <i>tsha</i> ⁵³ ‘eye’, <i>pam</i> ¹¹ ‘mouth’, <i>daŋ</i> ⁵³ ‘face’, <i>gwau</i> ¹¹ ‘head’, <i>khe:ŋ</i> ¹¹ , <i>fan</i> ¹¹ ‘breast’, <i>tsu</i> ⁵⁵ <i>hjau</i> ¹¹ ‘shadow’ |
| plant | <i>tshe:ŋ</i> ⁵³ ‘flower’, <i>deŋ</i> ⁵⁵ ‘mushroom’ |

Some objects may be classified with *hom*⁵³ and other classifiers as listed in Table 6.

Table 6. Classification of entities with the general classifier *hom*⁵³ and specific classifiers

| Semantic fields | classifiers | entities |
|----------------------------|---|--|
| like-shaped (spherical) | | |
| lump | <i>hom</i> ⁵³ / <i>thun</i> ⁵³ <i>hom</i> ⁵³ / <i>ru:k</i> ⁵⁵ | <i>da:u</i> ⁵⁵ <i>hu</i> ⁵⁵ ‘tofu’ <i>ho:p</i> ⁵⁵ <i>za</i> ⁵³ ‘pack of cigarettes’ |
| container | <i>hom</i> ⁵³ / <i>ka</i> ¹¹ | <i>tshai</i> ⁵³ <i>koŋ</i> ⁵⁵ ‘coffin’ |
| long | <i>hom</i> ⁵³ / <i>dan</i> ⁵⁵ <i>hom</i> ⁵³ / <i>gwau</i> ¹¹ <i>hom</i> ⁵³ / <i>ka</i> ¹¹ <i>hom</i> ⁵³ / <i>fi:n</i> ¹¹ | <i>tshop</i> ⁵⁵ <i>tshun</i> ⁵³ ‘rainbow’ <i>gwau</i> ¹¹ <i>lai</i> ⁵⁵ ‘plowshare’ <i>tsu</i> ⁵⁵ <i>gop</i> ⁵⁵ <i>li:p</i> ⁵⁵ ‘nail clipper’ <i>rik</i> ⁵⁵ ‘harrow, rake’ |
| flat | <i>hom</i> ⁵³ / <i>van</i> ¹¹ | <i>tsi:u</i> ⁵ <i>phi:n</i> ¹¹ ‘photograph’ <i>bo</i> ⁵⁵ <i>tua</i> ¹¹ ‘newspaper’ |
| plant | <i>hom</i> ⁵³ / <i>ka</i> ¹¹ | <i>ka</i> ¹¹ <i>tsu</i> ⁵⁵ <i>hjau</i> ⁵³ ‘pod’ |

The classifiers that are used interchangeably with the general classifier *hom*⁵³ are mostly shape/form classifiers.

The classifier *dan*⁵⁵ refers to its nominal meaning ‘twig, thread, string, wire’. It originally classes long flexible items and has been extended to class like – shaped objects such as *do:i*⁵³; *ban*⁵³ ‘rope’, *do:i*⁵³*no:ŋ*⁵³ ‘belt’, *kho:n*¹¹*hja*⁵⁵ ‘towel’, *za*¹¹ ‘river’, and *ku:n*⁵³ ‘road’.

The classifier *thun*⁵³ is a classifier for lump-shaped objects such as *gam*¹¹; *mam*⁵⁵ ‘a piece of meat’.

The classifier *gwau*¹ classes long inflexible objects such as *tsu*⁵⁵*gop*⁵⁵ ‘scissors’, *tsu*⁵⁵*ra*⁵³*fan*⁵³ ‘toothbrush’, and *ta:n*⁵⁵ ‘umbrella’.

The classifier *ka*¹¹ has its nominal meaning ‘knife and sword’. It is a classifier for ‘stick-like’ objects such as *tsu*⁵⁵*dui*⁵³*go:i*⁵³ ‘hammer’, *tshiu*¹¹*tshi:u*⁵⁵ ‘gun’, and *tsu*⁵⁵*gop*⁵⁵*li:p*⁵⁵ ‘nail clipper’. It has been expanded to class bulky objects and vehicles such as *the:ŋ*⁵⁵; *za:ŋ*⁵⁵ ‘bed’, *?eŋ*⁵⁵*va*⁵³ ‘boat’, and *va*⁵³*beŋ*⁵³; *bu:i*⁵⁵*ki*⁵⁵ ‘airplane’.

The classifier *van*¹¹ has its nominal meaning ‘leaf, page’. It classes ‘sheet-like’ objects such as *phi:u*¹¹ ‘ticket’, *?u:i*⁵⁵ ‘painting’ and *tshia*¹¹; *tshi*¹¹ ‘paper’.

The classifier *fi:n*¹¹ means ‘handle’. It classes instruments with a long handle.

The classifier *ru:k*⁵⁵ is originally a noun which means ‘nest’. It classes *ru:k*⁵⁵ ‘nest’ as a repeater and classes other objects such as *ti:n*⁵⁵ ‘letter’.

5.4 Northern Zhuang

Northern Zhuang has one general classifier, i.e., *ʔan*²⁴. This classifier has been widely used for entities within various semantic fields. It classes 87 nouns of any sizes as listed in Table 7.

The classifiers which are used for round entities have not been developed to be a general classifier. Such classifiers are *ŋvei*²¹, *nat*²¹, and *ɕe*²¹. These three classifiers class similar objects. The classifier *ŋvei*²¹ is from the root ‘pit or core of a fruit’. It classes small and round entities as a bean, pearl, grain, and pill. The classifier *nat*²¹ refers to its nominal meaning ‘grain, granular’. It is used as a repeater for grain, granular and other like-shaped objects such as pills and seeds. The classifier *ɕe*²¹ has its nominal meaning ‘seed and fruit pit’. It also classes small and round things such as ‘chili pepper, grain, granular, and eye’.

Table 7. Classification of entities with the general classifier *ʔan*²⁴

| Semantic fields | Entities classed by <i>ʔan</i> ²⁴ |
|------------------------------|---|
| fruit | <i>ma:k</i> ⁴⁴ ‘fruit’, <i>lu:k</i> ²¹ <i>ka:m</i> ²⁴ , ‘orange’, <i>mok</i> ²¹ <i>kva</i> ²⁴ ‘papaya’, <i>ma:k</i> ⁴⁴ <i>ʔit</i> ⁵⁵ ‘grape’, <i>kjo:i</i> ⁵⁵ <i>ho:m</i> ²⁴ ‘banana’ |
| round (three-dimensional) | <i>ʔda:u</i> ²⁴ <i>ʔdei</i> ⁴⁴ ‘star’, <i>ta:ŋ</i> ²⁴ <i>ŋon</i> ⁴² ‘sun’, <i>yo:ŋ</i> ²¹ <i>ʔdu:n</i> ²⁴ ‘moon’, <i>ji:n</i> ⁴² <i>pja</i> ²⁴ ‘fish ball’, <i>kiu</i> ⁴² ‘ball’, <i>kjai</i> ⁴⁴ ‘egg’, <i>ɕau</i> ⁴² ‘pimple’, <i>yei</i> ²⁴ ‘mole’, <i>ɕau</i> ²⁴ ‘pearl’, <i>ɕuŋ</i> ²⁴ ; <i>pe:u</i> ⁵⁵ ‘clock, watch’ |
| like-shaped (spherical) | <i>taŋ</i> ²⁴ ‘lamp’, <i>ja:ŋ</i> ⁴² <i>va</i> ³³ <i>va</i> ³³ ‘doll’, <i>θo</i> ⁴⁴ ‘number’, <i>ha:p</i> ²¹ <i>ʔi:n</i> ²⁴ ‘pack of cigarettes’, <i>θau</i> ⁴⁴ ‘stove’, <i>ma:u</i> ²¹ ‘hat’, <i>yoŋ</i> ⁴² ‘nest’ |
| bulky | <i>pja</i> ²⁴ ‘mountain’, <i>ya:n</i> ⁴² <i>mu</i> ²¹ ‘stone mill’, <i>ʔan</i> ²⁴ <i>tam</i> ⁵⁵ <i>yo:k</i> ⁴⁴ ‘loom’ |
| container | <i>pi:ŋ</i> ⁴² ‘bottle’, <i>je:n</i> ⁵⁵ <i>kiŋ</i> ²⁴ ‘glasses’, <i>ɕe:n</i> ⁵⁵ ‘cup’, <i>va:n</i> ⁵⁵ ‘bowl’, <i>piŋ</i> ⁴² <i>pa:k</i> ⁴⁴ <i>kva:ŋ</i> ⁴⁴ ‘jar’, <i>ʔbon</i> ⁵⁵ ‘pot’, <i>pa:t</i> ⁴⁴ ‘basin’, <i>toŋ</i> ⁵⁵ ‘bucket’, <i>tai</i> ²¹ <i>θau</i> ⁴⁴ ‘bag’, <i>hu</i> ⁴² <i>ɣam</i> ³³ ‘kettle’, <i>ha:p</i> ²¹ ‘box’, <i>loŋ</i> ⁴² ‘cage’, <i>pe:n</i> ⁵⁵ ‘coffin’ |
| furniture | <i>ta:i</i> ⁴² ‘table’, <i>ʔei</i> ⁵⁵ ‘chair’, <i>yiŋ</i> ⁵⁵ ‘closet, cupboard’, <i>ɕo:ŋ</i> ⁴² ‘bed’ |
| newly introduced | <i>ki</i> ⁴² <i>ta</i> ³³ ‘guitar’, <i>lu</i> ⁴² <i>jin</i> ³³ <i>ki</i> ³³ ‘tape recorder’, <i>va</i> ²¹ <i>toŋ</i> ⁴² ‘microphone’, <i>ɕa:u</i> ²¹ <i>θi:ŋ</i> ⁴² <i>ki</i> ³³ ‘camera’, <i>θou</i> ³³ <i>jin</i> ³³ <i>ki</i> ³³ ‘radio’, <i>te:n</i> ⁴² <i>na:u</i> ⁵⁵ ‘computer’, <i>ya:n</i> ⁴² ‘household, family’ |
| flat (two-dimensional) | <i>ɕa:ŋ</i> ⁴² <i>pe:n</i> ⁴² ‘disk’, <i>ɕuŋ</i> ³³ <i>la:</i> ⁴² <i>pa:n</i> ⁵⁵ ‘plank’, <i>yaŋ</i> ²⁴ ‘winnowing fan’, <i>pu:n</i> ⁴² ‘plate’, <i>tou</i> ²⁴ <i>ɕu:ŋ</i> ²⁴ ‘window’, <i>ʔan</i> ²⁴ <i>tai</i> ⁴⁴ <i>mum</i> ²¹ ‘shaving razor blade’, <i>yi:p</i> ⁴⁴ ‘mosquito net’ |

Table 7. (Continued) Classification of entities with the general classifier *ʔan*²⁴

| Semantic fields | Entities classed by <i>ʔan</i> ²⁴ |
|---------------------------|---|
| long (one-dimensional) | <i>ɕu</i> ⁴² ‘axe’, <i>ya:u</i> ²⁴ ‘harrow, rake’, <i>pe:u</i> ⁴² <i>ke:ŋ</i> ²⁴ ‘spoon’, <i>kuŋ</i> ⁵⁵ <i>hu:t</i> ⁴⁴ ‘bow’, <i>li:ŋ</i> ⁵⁵ ‘umbrella’, <i>tik</i> ²¹ ‘flute’, <i>fu:</i> ⁴² ‘reed of the loom’ |
| vehicle | <i>fei</i> ³³ <i>ki</i> ³³ ‘airplane’, <i>ɕi</i> ²⁴ <i>tu</i> ⁴² <i>ki:ŋ</i> ²¹ ‘car’, <i>kuŋ</i> ³³ <i>kuŋ</i> ²⁴ <i>ki</i> ²⁴ <i>ɕe</i> ³³ ‘bus’, <i>ɕi</i> ²⁴ <i>ki</i> ²⁴ <i>ɕe:ŋ</i> ⁴² ‘taxi’, <i>yu</i> ⁴² ‘boat’ |
| non-dimensional | <i>ɕo:ŋ</i> ²¹ ‘hole’, <i>lit</i> ⁵⁵ <i>fuŋ</i> ⁴² ‘ring’ |
| localities | <i>ya:n</i> ⁴² ‘house’, <i>ya:n</i> ⁴² <i>ʔi</i> ⁴⁴ ‘hut’, <i>fu:ŋ</i> ⁴² ‘room’, <i>ɕi</i> ²⁴ <i>je:n</i> ²⁴ ‘theater, cinema’, <i>pou</i> ⁴⁴ <i>fei</i> ²⁴ <i>kjau</i> ⁵⁵ ‘barbershop’, <i>ta:u</i> ⁵⁵ ‘island’, <i>mi:u</i> ²¹ ‘temple’ |
| body parts | <i>yu</i> ⁴² ‘ear’, <i>ho</i> ⁴² ‘throat’, <i>ʔba</i> ⁴⁴ ‘shoulder’, <i>pa:k</i> ⁴⁴ ‘mouth’, <i>kjau</i> ⁵⁵ ‘head’, <i>tai</i> ⁵⁵ <i>ha:i</i> ⁴² ‘sole of the foot’, <i>ʔak</i> ⁵⁵ ‘breast’, <i>θei</i> ²⁴ ‘corpse’ |
| plant | <i>ʔat</i> ⁵⁵ ‘mushroom’ |

The classifier *ʔan*²⁴ may be replaced by other specific classifiers as exemplified in Table 8.

Table 8. Classification of entities with the general classifier *ʔan*²⁴ and other specific classifiers

| Semantic fields | classifiers | entities |
|-------------------------|--|---|
| like-shaped (spherical) | <i>ʔan</i> ²⁴ , <i>ɕi</i> ²¹ | <i>θau</i> ²⁴ <i>me</i> ²¹ ‘character, letters’ |
| long | <i>ʔan</i> ²⁴ , <i>fa:k</i> ²¹ | <i>pa:u</i> ²¹ ‘plane’ |
| flat | <i>ʔan</i> ²⁴ , <i>fa:n</i> ²⁴ | <i>mu:ŋ</i> ³³ ‘fishing net’ |
| body part | <i>ʔan</i> ²⁴ , <i>fa</i> ⁵⁵ | <i>na</i> ⁵⁵ ‘face’ |

The classifier *ɕi*²¹ has its nominal gloss ‘word, character’. It is used as a repeater for classing ‘word and characters’. The classifier *fa:k*²¹ classes ‘tools’ such as *li:m*⁴² ‘sickle’, *ɕa:m*³³ ‘chisel’, *ki:m*⁴⁴ ‘sword’, and *ɕik*⁵⁵ ‘ruler’. The classifier *fa:n*²⁴ is used with flat objects such as *ɕi:n*²⁴ ‘carpet’, *ʔbin*⁵⁵ ‘mat’, *te:n*⁴² ‘quilt’ and *fa:n*²⁴*ta:n*²⁴ ‘bed sheet’. *fa*⁵⁵ classifies ‘face, palm or sole (of the foot), wall, and layer of honeycomb’, e.g., *fa*⁵⁵*tin*²⁴ ‘sole (of the foot) and *fa*⁵⁵*fuŋ*⁴² ‘hand’.

5.5 Dai

The Dai language has the general classifier *ʔan* which classes small entities and newly introduced items as listed in Table 9.

Table 9. Classification of entities with the general classifier *ʔan*

| Semantic fields | Entities classed by <i>ʔan</i> |
|---------------------------|---|
| lump | <i>kap</i> ⁷ <i>se</i> ²² <i>lek</i> ⁸ ‘cigarette (pack)’ |
| long (one dimensional) | <i>kɛn</i> ¹ ‘axe’, <i>mai</i> ⁴ <i>si</i> ¹ ‘brush’, <i>mai</i> ⁴ <i>si</i> ¹ <i>xɛu</i> ³ ‘toothbrush’, <i>mɛ</i> ⁶ <i>sɛm</i> ² <i>tɛt</i> ⁷ <i>lep</i> ⁸ ‘nail clipper’, <i>vi</i> ¹ ‘comb’, <i>kɛn</i> ¹ <i>but</i> ⁷ ‘pestle’, <i>tsɔn</i> ⁴ ‘spoon’, <i>vɛn</i> ⁶ <i>ta</i> ¹ ‘spectacles’, <i>pi</i> ³ <i>pa:k</i> ⁹ <i>ka</i> ¹ ‘pen’, <i>pi</i> ³ <i>ta:n</i> ⁵ ‘pencil’, <i>pi</i> ⁵ ‘flute’, <i>soi</i> ¹ ‘reed of the loom’, <i>lɔ</i> ⁶ ‘saw’ |
| newly introduced items | <i>tsak</i> ⁷ <i>ʔat</i> ⁷ <i>seŋ</i> ¹ ‘tape recorder’, <i>kɔŋ</i> ³ <i>xva</i> ⁵ <i>tuŋ</i> ² ‘microphone’, <i>kɔŋ</i> ³ <i>thɔt</i> ⁹ <i>puŋ</i> ⁵ ‘camera’, <i>səu</i> ⁶ <i>jin</i> ⁶ <i>ji</i> ⁶ ‘radio’ |

In addition to the general classifier *ʔan*, Dai has the round classifier *noi*⁵ which originally classed fruits. This round classifier has been extended to class items within a wide range of semantic fields therefore it can be predicted that this classifier will become another general classifier in the same way as the Lao cognate *nūay*. The entities classed by *noi*⁵ is listed in Table 10.

Table 10. Classification of entities with the general classifier *noi*⁵

| Semantic fields | Entities classed by <i>noi</i> ⁵ |
|------------------------------|---|
| fruit | <i>ma:k</i> ⁹ <i>sum</i> ³ <i>luuk</i> ⁸ <i>va:n</i> ¹ ‘fruit’, <i>ma:k</i> ⁹ <i>tsuk</i> ⁷ ‘orange’, <i>ma:k</i> ⁹ <i>kui</i> ³ <i>sa</i> ²¹ <i>pau</i> ²¹ ‘papaya’, <i>kui</i> ³ <i>hɔm</i> ¹ ‘banana (one piece)’, <i>ma:k</i> ⁹ <i>phik</i> ⁸ <i>nɔi</i> ⁴ ‘chili pepper’ |
| round (three dimensional) | <i>siu</i> ¹ ‘pimple’, <i>fai</i> ¹ ‘mole’, <i>luk</i> ⁸ <i>lɔm</i> ⁶ <i>pa</i> ¹ ‘fish ball’, <i>ma:k</i> ⁹ <i>lum</i> ² ‘ball’, <i>xai</i> ⁵ <i>kai</i> ⁵ ‘egg’, <i>da:u</i> ¹ ‘star’, <i>ta</i> ¹ <i>van</i> ² ‘sun’, <i>dən</i> ¹ ‘moon’, <i>na</i> ³ <i>li</i> ⁵ <i>loŋ</i> ¹ ‘clock, watch’ |
| like-shaped (spherical) | <i>fai</i> ² <i>fa</i> ⁴ ‘lamp’, <i>kɔŋ</i> ³ <i>kɛu</i> ³ <i>loŋ</i> ¹ ‘hat’ |
| bulky objects | <i>hin</i> ¹ <i>pha</i> ¹ ‘rock’, <i>dɔi</i> ¹ <i>kɔŋ</i> ² ‘mountain’, <i>mɔ</i> ⁵ ‘stone mill’ |
| containers | <i>kɔŋ</i> ³ ‘bottle’, <i>kɔŋ</i> ³ <i>kɛu</i> ³ ‘cup’, <i>va:n</i> ⁵ ‘bowl’, <i>din</i> ¹ <i>sa</i> ²² <i>ta:i</i> ² ‘jar’, <i>ʔɔm</i> ¹ ‘pot (cooking)’, <i>mɑ</i> ² <i>lɑ</i> ² ‘basin’, <i>mɔ</i> ⁵ <i>tuŋ</i> ² ‘bucket’, <i>thuŋ</i> ¹ ; <i>ta:i</i> ⁵ ‘bag’, <i>nam</i> ⁴ <i>tun</i> ³ ‘kettle’, <i>xoŋ</i> ¹ ‘cage’, <i>kon</i> ¹ ‘coffin’, <i>kap</i> ⁷ ; <i>ʔɛp</i> ⁷ ‘box’ |
| furniture | <i>tsɔ</i> ³ ‘table’, <i>taŋ</i> ⁵ <i>kuŋ</i> ¹ ‘chairs’, <i>lim</i> ⁴ ‘closet, cupboard’ |
| literary | <i>pɔp</i> ⁸ ‘book’, <i>pɔp</i> ⁸ <i>fət</i> ⁷ <i>hat</i> ⁷ ‘notebook (to write on)’ |
| flat (two-dimensional) | <i>xuŋ</i> ¹ ‘winnowing fan’, <i>pa:n</i> ⁴ ; <i>pən</i> ¹ ‘plate’ |
| non-dimensional | <i>tsɔp</i> ⁹ <i>mɯ</i> ² ‘ring’ |
| localities | <i>kɔ</i> ²¹ <i>dən</i> ¹ ‘island’ |
| plant | <i>tho</i> ⁵ ‘pod’ |

5.6 Shan

Shan has the general classifier *ʔan¹* which classes objects of any size ranging from small objects such as *na:m¹* ‘thorn’ to bulky objects such as *mɔ:²* ‘stone mill’. Table 11 shows the nouns that are used with *ʔan¹*.

Table 11. Classification of entities with the general classifier *ʔan²⁴*

| Semantic components | Entities classed by <i>ʔan²⁴</i> |
|-------------------------|--|
| like-shaped (spherical) | <i>p^hi:⁵faj⁴</i> ‘stove’ |
| bulky | <i>mɔ:²</i> ‘stone mill’, <i>huk²</i> ‘loom’ |
| container | <i>k^hɔ:k³</i> ‘cage’, <i>kɔ:m²</i> ‘coffin’ |
| furniture | <i>pi:²tu:²</i> ‘closet, cupboard’ |
| newly introduced goods | <i>mɛk⁵</i> ‘microphone’, <i>kɛm²ma:²la²</i> ‘camera’ |
| long (one dimensional) | <i>taw²le:⁴</i> ‘plane’, <i>ki:m⁴haj⁴</i> ‘scissors’, <i>pɑ⁵lat⁵</i> ‘brush’, <i>ma:j⁵si:¹k^hew³</i> ‘toothbrush’, <i>nɛp²kɛt⁴</i> ‘nail clipper’, <i>wi:¹ho¹</i> ‘comb’, <i>ta:p³ta:⁴</i> ‘harrow, rake’, <i>sa:k²</i> ‘pestle’, <i>pɔ:t⁴maj⁵</i> ‘small stick’, <i>ma:n²ta:¹</i> ‘spectacles’, <i>na:m¹</i> ‘thorn’, <i>ka:ŋ²</i> ‘bow’, <i>pi:²</i> ‘flute’, <i>hoŋ⁴haj⁴</i> ‘rainbow’ |
| flat (two dimensional) | <i>loŋ³</i> ‘winnowing fan’, <i>hɛ¹</i> ‘fishing net’ |
| localities | <i>k^ho¹</i> ‘bridge’ |
| body part | <i>k^hɔ:⁴</i> ‘throat’, <i>kɔŋ⁵ŋaw⁴</i> ‘shadow’ |

Besides *ʔan¹* Shan has the classifier *hoj²* for round objects. This classifier is in the process of becoming another general classifier. It has been extended from ‘round’ class to encompass newly introduced goods as listed in Table 12.

Table 12. Classification of entities with the general classifier *hoj²*

| Semantic fields | Entities classed by <i>hoj²</i> |
|---------------------------|---|
| round (three dimensional) | <i>ma:k²p^hit⁵</i> ‘chili pepper’, <i>law¹</i> ‘star’, <i>ta:¹wan⁴</i> ‘sun’, <i>lən¹</i> ‘moon’, <i>kɔ:k⁴faj⁴</i> ‘lamp’ |
| container | <i>ŋɔ:j⁴</i> ‘kettle’ |
| newly introduced | <i>ki:²ta:²</i> ‘guitar’, <i>ca:k³ti:⁵seŋ¹</i> ‘tape recorder’, <i>ʔɔm¹lo:m⁴</i> ‘radio’, <i>kɔm²pju:²ta:²</i> ‘computer’ |
| body part | <i>ta:¹</i> ‘eye’ |

The classifier *hoj²* can be used interchangeably with *luk³* for ‘fruit, rock, and egg’ as listed in Table 13.

Table 13. Classification of entities with the classifiers *hoj²* and *luk³*

| Semantic fields | Entities classed by <i>hoj²/luk³</i> |
|---------------------------|---|
| fruit | <i>ma:k²maj⁵</i> ‘fruit’, <i>ma:k²cɔ:k⁴</i> ‘orange’, <i>ma:k²saŋ⁴p^hɔ:⁴</i> ‘papaya’, <i>ma:k²it²</i> ‘grape’ |
| round (three dimensional) | <i>k^haj²</i> ‘egg’ |
| bulky objects | <i>ma:k²hin¹</i> ‘rock’ |

Besides *luk*³ the classifier *hoj*² can also replace *kɔn*³ which classes lumpy and bulky objects as seen in Table 14.

Table 14. Classification of entities with the classifiers *hoj*²/*kɔn*³

| Semantic fields | Entities classed by <i>hoj</i> ² / <i>kɔn</i> ³ |
|-----------------|---|
| lump | <i>tʰo²pʰu:⁴</i> ‘tofu’ |
| bulky | <i>ma:k²hi:n¹</i> ‘stone’, <i>mɔ:k²ku:m³</i> ‘cloud’ |

Besides being used interchangeably with *hoj*² for round objects such as ‘fruits’ and ‘eggs’, the classifier *luk*³ has been extended to class other objects as listed in Table 15.

Table 15. Classification of entities with the classifier *luk*³

| Semantic fields | Entities classed by <i>luk</i> ³ |
|------------------------------|--|
| fruit | <i>koj³hɔ:m¹</i> ‘banana’ |
| round (three dimensional) | <i>luk³cin⁵pa:¹</i> ‘fish ball’, <i>ma:k²naŋ¹</i> ‘ball’, <i>na:²ri:¹</i> ‘clock, watch’ |
| like-shaped (spherical) | <i>mo:k²ho¹</i> ‘hat’ |
| bulky | <i>loy¹</i> ‘mountain’ |
| container | <i>ʔum¹nam⁵</i> ‘jar’, <i>mɔ:³</i> ‘pot’, <i>ʔa:ŋ²</i> ‘basin’, <i>toŋ¹</i> ‘bag’, <i>tək³</i> ‘box’ |

It should be noted that ‘banana’ is not put into the *hoj*² class but the *luk*³ class. Comparing the use of *luk*³ with *hoj*², *luk*³ still classes objects within the ‘round’ domain whereas *hoj*² has been extended from the ‘round’ component to encompass newly introduced objects such as electrical appliances.

5.7 Lao

Lao has the general classifier *ʔǎn* which can class objects as small as a ‘thorn’ and as large as a ‘coffin’ as seen in Tables 16 and 17.

Table 16. Classification of entities with the classifier *ʔǎn*

| Semantic fields | Entities classed by <i>ʔǎn</i> |
|-------------------------|---|
| like-shaped (spherical) | <i>tā kǐaŋ</i> ‘lamp’ |
| flat (two dimensional) | <i>m̐it thǣæ</i> ‘shaving razor blade’ |
| long (one dimensional) | <i>pǣæŋ</i> ‘brush’, <i>pǣæŋ thǔu khǣæw</i> ‘toothbrush’, <i>m̐it tǣt lēp</i> ‘nail clipper’, <i>sàak</i> ‘pestle’, <i>mây</i> ‘stick’ (small), <i>nǣam</i> ‘thorn’, <i>khǎn cōŋ/ khǎn hōm/khǎn nǔu</i> ‘umbrella’, <i>khūy</i> ‘flute’, <i>kā sǔay</i> ‘reed of the loom’, <i>kǓp</i> ‘plane’, <i>kīaw</i> ‘sickle’, <i>sīw</i> ‘chisel’, <i>dàap</i> ‘sword’, <i>sūan; màak cǓk</i> ‘plowshare’, <i>mây bǎn thât</i> ‘ruler’, <i>mây khōɔn</i> ‘hammer’ |
| newly introduced | <i>khūaŋ ʔǣt sǣaŋ</i> ‘tape recorders’, <i>m̐it khōo fōon</i> ‘microphones’, <i>kōɔŋ thāay hūup</i> ‘camera’ |

The general classifier *ʔǎn* can be used interchangeably with specific classifiers which are mostly shape-based classifiers and repeaters as shown in Table 17.

Table 17. Classification of entities with the classifier *ʔǎn* and other specific classifiers

| Semantic fields | classifiers | entities |
|-------------------------|--|---|
| like-shaped (spherical) | <i>tǔ̃, ʔǎn</i> | <i>tùk k̄a tǎa</i> ‘doll’ |
| bulky | <i>nū̄ay, ʔǎn</i> | <i>khôk</i> ‘mortar’, <i>môo</i> ‘stone mill’ |
| container | <i>thǔ̃ŋ (repeater), ʔǎn</i> <i>nū̄ay, lǔ̃oŋ (repeater), ʔǎn</i> | <i>thǔ̃ŋ</i> ‘bag’ <i>lǔ̃oŋ</i> ‘coffin’ |
| furniture | <i>nū̄ay, ʔǎn</i> | <i>tò</i> ‘table’, <i>tā̃ŋ</i> ‘chairs’ |
| newly introduced | <i>nū̄ay, ʔǎn</i> | <i>kǐi tâa</i> ‘guitars’, <i>wî thâ jû</i> ‘radio’, <i>khū̄aŋ khǔ̃om phĩw tâa</i> ‘computers’ |
| flat (two dimensional) | <i>pĩ (repeater), ʔǎn</i> | <i>pĩi</i> ‘ticket’ |
| long (one dimensional) | <i>sèn, ʔǎn</i> <i>dũ̂aŋ, ʔǎn</i> <i>dā̄am, dũ̂aŋ, ʔǎn</i> <i>kā̄an, ʔǎn</i> <i>thǣ̃ŋ, kā̄an, ʔǎn</i> <i>dǔ̃ok, ʔǎn</i> | <i>sǎay ʔǣ̃æw</i> ‘belt’ <i>khě̃m</i> ‘needle’, <i>wĩi</i> ‘comb’, <i>sǣ̃am</i> ‘spade’, <i>dā̄ap</i> ‘sword’, <i>kī̄aw</i> ‘sickle’ <i>mĩit</i> ‘knife’ <i>pàak kǣ̃a</i> ‘pen’ <i>sǔ̃o</i> ‘pencil’ <i>tā pũu</i> ‘nail’, <i>lũuk nàa</i> ‘arrow’ |

The classifiers which can be replaced by the general classifier *ʔǎn* are described below.

tǔ̃ is noted for animals and has been extended to ‘bad people, ghost, rainbow, dummy, character, letter, number, doll, arm-like and leg-like clothes’.

nū̄ay is used for ‘fruit’ and has been widely extended to a large number of entities such as ‘coffins, tables, chairs, guitars, radios, computers, stones mills, mortars’.

sèn classes flexible long objects such as ‘belt’.

dũ̂aŋ originally designated the class for round radiating entities such as ‘sun and moon’. It has been extended to long inflexible tools such as ‘needle, comb, spade, sword, sickle’.

dâam classes long and small inflexible objects with a long handle such as ‘knife’.

kâan is restricted to long and small items usually pointed at one end such as ‘spoon, fork, pen and pencil’. The long inflexible classifier *thæŋ* for ‘pencil’ can replace *kâan*.

dôk has been extended from ‘flower’ to like-shaped entities such as ‘nail and arrow’.

In addition to the general classifier *lǎn*, Lao has a very widely-used classifier *nūay* which originally categorized ‘fruit’. This classifier has become a powerful class as it encompasses a large domain of objects. ‘Balls, mountains, containers, furniture are all examples of *nūay* class as listed in Tables 18 and 19.

Table 18. Classification of entities with the classifier *nūay*

| Semantic fields | Entities classed by <i>nūay</i> |
|------------------------------|--|
| fruit | <i>màak phîk</i> ; <i>màak phết</i> ‘chili pepper’, <i>màak mây</i> ‘fruit’, <i>màak kîaŋ</i> ‘orange’, <i>màak hūŋ</i> ‘papaya’, <i>màak lǣæ</i> <i>sǣæŋ</i> ; <i>màak kōoy</i> ‘grape’, <i>màak kûay</i> ‘banana’ |
| round (three dimensional) | <i>khāy mûk</i> ‘pearl’, <i>màak bǎan</i> ‘ball’, <i>khāy</i> ‘egg’, <i>mōoŋ</i> ‘clock, watch’ |
| like-shaped (spherical) | <i>tǎw fǎy</i> ‘stove’ |
| bulky | <i>phūu</i> ‘mountain’ |
| containers | <i>kǣæw</i> ‘bottle’, <i>còɔk kǣæw</i> ‘glasses’, <i>còɔk kǣa fēe</i> ‘cup’, <i>hǎy</i> ‘jar’, <i>mòɔ</i> ‘pot’ (cooking), <i>khû</i> ‘bucket’, <i>mòɔ tôm nâam</i> ‘kettle’, <i>tûm</i> ; <i>kǔŋ</i> ‘cage’ |
| furniture | <i>tûu</i> ‘closet, cupboard’ |
| body part | <i>tǎa</i> ‘eye’ |

Newly introduced items are classed by either *nūay* or *lǎn* so the widely-applicable classifier *nūay* has a strong tendency to be a generalized class. Besides *lǎn*, the classifier *nūay* can be used interchangeably with shape-based classifiers as listed in Table 19.

Table 19. Classification of entities with the classifier *nūay* and specific classifiers

| Semantic fields | classifiers | entities |
|------------------|---|--|
| bulky | <i>nūay</i> , <i>kōn</i> <i>nūay</i> , <i>ǎn</i> <i>nūay</i> , <i>kī</i> : (repeater) | <i>khìi fəə</i> ; <i>mêek</i> ‘cloud’ <i>môo</i> ‘stone mill’, <i>khôk</i> ‘mortar’ <i>kī</i> : ‘loom’ |
| container | <i>bǎy</i> , <i>nūay</i> <i>nūay</i> , <i>kǎp</i> (repeater) <i>nūay</i> , <i>ǎn</i> , <i>lōon</i> (repeater) | <i>sāam</i> ‘basin’ <i>kǎp</i> ‘box’ <i>lōon</i> ‘coffin’ |
| furniture | <i>nūay</i> , <i>ǎn</i> <i>nūay</i> , <i>tǎn</i> (repeater) | <i>tò</i> ‘table’, <i>tān</i> ‘chairs’ <i>tǎn</i> ‘bed’ |
| newly introduced | <i>nūay</i> , <i>ǎn</i> | <i>kǐi tâa</i> ‘guitars’, <i>wī thā nū</i> ‘radio’, <i>khūan khōm phīw tâə</i> ‘computers’ |
| body part | <i>nūay</i> , <i>tāw</i> | <i>nōm</i> ‘breast’ |

The shape-based classifiers that can be replaced by *nūay* are as follows:

kōn classifies lump-like entities such as ‘pill, fish ball, rock, stone, and cloud’.

bǎy typically classes ‘leaf’ and has been extended to sheet-like things. It has developed to class containers resulting in an overlap of the flat class *bǎy* and the round class *nūay*. So most containers can be classed both by *bǎy* and *nūay*.

tāw is used with ‘breast’.

Another ‘round’ classifier *duǎn* has a wide distribution but encompasses a smaller domain of objects than *nūay*. As mentioned above, *duǎn* is a ‘round and radiating’ classifier which has undergone reinterpretation to apply to ‘long’ objects such as bladed tools and long musical instruments as shown in Table 20.

Table 20. Classification of entities with the classifier *duǎn* and specific classifiers

| Semantic fields | classifiers | entities |
|------------------------------|---|---|
| round (three dimensional) | <i>duǎn</i> | <i>tǎa wēn</i> ‘sun’, <i>duǎn</i> ‘moon’ |
| long (one dimensional) | <i>duǎn</i> <i>duǎn</i> , <i>ǎn</i> <i>dāam</i> , <i>duǎn</i> , <i>ǎn</i> | <i>hōok</i> ‘spear’, <i>thǎy</i> ‘plough’, <i>khǣæn</i> ‘reed organ’ <i>khēm</i> ‘needle’, <i>wīi</i> ‘comb’, <i>sǎam</i> ‘spade’, <i>dàap</i> ‘sword’, <i>kīaw</i> ‘sickle’ <i>mīit</i> ‘knife’ |

Though *duǎŋ* is widely used, its semantic extension is more restricted than *nūay*. Subsequently, *duǎŋ* may remain a shape-based classifier while the competing classifier *nūay* continues to class newly introduced items and becomes another general classifier being used along with the genuine classifier *ʔan*.

5.8 Central Thai

Central Thai has a genuine general classifier *ʔan* which is usually used for small entities. Out of 242 nouns in the wordlist used for data collection, nine entities are classified with *ʔan*. There are four entities which are classed by either *ʔan* or specific classifiers as exemplified in Table 21. These thirteen entities belong to only one class, i.e., ‘long (one dimensional)’ class.

Table 21. Classification of entities with the classifier *ʔan* and specific classifiers

| Classifier <i>ʔan</i> | Entities |
|-----------------------|---|
| <i>ʔan</i> | <i>prææŋ</i> ‘brush’, <i>prææŋsǐŋfan</i> ‘toothbrush’, <i>thǐtātlēp</i> ‘nail clipper’, <i>wǐ</i> ‘comb’, <i>kh râat</i> ‘harrow, rake’, <i>sàak</i> ‘pestle’, <i>máay (lêk)</i> ‘(small) stick’, <i>wæ̌æntaa</i> ‘spectacles’, <i>nǎam</i> ‘thorn’ |
| <i>lêm, pàak, ʔan</i> | <i>sǐw</i> ‘chisel’ |
| <i>lêm, ʔan</i> | <i>máaybanthát</i> ‘ruler’, <i>kankray</i> ‘scissors’ |
| <i>tâw, ʔan</i> | <i>kh ɔ́ɔn</i> ‘hammer’ |

In addition to the entities displayed in Table 21, there are a large number of entities which are used with the general classifier *ʔan*. The Royal Institute (2003) lists 54 entities that are classed only with *ʔan* and 58 entities that can be classed either with *ʔan*, repeaters, or other specific classifiers.

Central Thai also has a ‘round’ classifier, i.e., *lûuk* which originally classes fruit. This classifier has the nominal meaning ‘offspring, child’. It is usually combined with another word to form a compound and has the meaning ‘minor, subordinate, object of an action, or the complement of a thing’, e.g., *lûukcáaŋ* ‘employee’ and *lûukkuncææ* ‘key’. The classifier *lûuk* has been extended to class like-shaped objects and containers. When it classes containers, it usually overlaps with the flat classifier *bay* which has the nominal meaning ‘leaf’. Therefore most containers can be classified both by *lûuk* and *bay*. In addition to *lûuk* and *bay* some containers are also classed by repeaters such as ‘closet, cupboard, cage, and coffin’. Eggs are also classed by *fɔ́ɔŋ*. Some natural phenomena are also put into the ‘round’ class such as *kh lûuun* ‘wave’, *tâyfùn* ‘typhoon’ and *mɔ́rasǔm* ‘monsoon’. Table 22 consists of entities which are classified with *lûuk* and other specific classifiers.

Table 22. Classification of entities with the classifier *lûuk* and specific classifiers

| Semantic fields | classifiers | entities |
|------------------------------|---|--|
| fruit | <i>lûuk</i> <i>bay, lûuk</i> | <i>phoñlamáay</i> ‘fruit’, <i>sôm</i> ‘orange’, <i>málaùkɔ</i> ‘papaya’, <i>ʔaɲùn</i> ‘grape’ <i>klûayhɔ̌m</i> ‘banana’ |
| round (three dimensional) | <i>lûuk</i> <i>bay, fɔɲ, lûuk</i> | <i>lûukchĩnplaa</i> ‘fish ball’, <i>bɔɲ</i> ‘ball’ <i>khàɲ</i> ‘egg’ |
| like-shaped (spherical) | <i>bay, lûuk</i> | <i>taw</i> ‘stove’, <i>mùak</i> ‘hat’ |
| bulky | <i>lûuk</i> <i>bay, lûuk</i> | <i>phuukhǎw</i> ‘mountain’ <i>khrǒk</i> ‘mortar’ |
| container | <i>bay, lûuk</i> <i>bay, tûu, lûuk</i> <i>bay, lûuk, kroɲ</i> <i>bay, lûuk, looɲ</i> | <i>khùat</i> ‘bottle’, <i>thûay</i> ‘cup’, <i>chaam</i> ‘bowl’, <i>ʔòɔɲ</i> ‘jar’, <i>mɔ̌ɔ</i> ‘pot’, <i>ʔàaɲ</i> ‘basin’, <i>thǎɲ</i> ‘bucket’, <i>thũɲ</i> ‘bag’, <i>kaatômnaám</i> ‘kettle’ <i>tûu</i> ‘closet, cupboard’ <i>kroɲ</i> ‘cage’ <i>looɲ</i> ‘coffin’ |
| flat (two dimensional) | <i>bay, lûuk</i> | <i>kràdôɲ</i> ‘winnowing fan’, <i>caan</i> ‘plate’ |

Though the classifier *lûuk* has a wide usage, it still centers around ‘round (three dimensional)’ domain whereas the classifier *tua* ‘body’ has crossed the animal domain to encompass various semantic domains. The classifier *tua* has undergone a metaphorical extension to include arm-like and leg-like entities such as sewn clothing, furniture, dummy, and characters. At a later stage, it is used with newly introduced items as presented in Table 23. The classifier *tua* may be used interchangeably with other specific classifiers. The use of *tua* for newly introduced objects such as ‘tape recorder, computer, radio, university course’ is governed by a register choice. It is used only in colloquial speech and is not included in the list of Thai classifiers by the Royal Institute. This classifier has been very powerful and productive. Besides the entities listed in Table 23, it also classes new merchandises, medicine and cosmetics. Therefore there is a high tendency that *tua* will become another general classifier.²

²See Sujaritlak (1997) for detailed discussion of *tua*.

Table 23. Classification of entities with the classifier *tua* and specific classifiers

| Semantic fields | classifiers | entities |
|----------------------------|---|---|
| non-human being | <i>tua</i> <i>tua, ton</i> | <i>sət</i> ‘animal’ <i>phĩ</i> ‘ghost’ |
| like-shaped (spherical) | <i>tua</i> | <i>tukkataa</i> ‘doll’, <i>tua ʔàks ǎn</i> ‘character, letter’, <i>tualêek</i> ‘number’ |
| flat (clothes) | <i>tua</i> | <i>kaaŋkeeŋkhăăyaaw</i> ‘trousers’, <i>kaaŋkeeŋkhăăsân</i> ‘shorts’, <i>suũa</i> ‘shirt’, <i>kràprooŋ</i> ‘skirt’ |
| long | <i>tua</i> <i>tua, dɔ̀k</i> | <i>kòpsăymáay</i> ‘plane’, <i>ruŋkinnáam</i> ‘rainbow’ <i>tàpuu</i> ‘nail’ |
| furniture | <i>tua</i> | <i>tó</i> ‘table’, <i>kâw ʔi</i> ‘chair’ |
| newly introduced | <i>tua</i> <i>tua, khruũaŋ</i> <i>tua, klôŋ</i> <i>tua, wíchaa</i> | <i>kiitâa</i> ‘guitar’, <i>maykhrofoon</i> ‘microphones’, <i>hũn</i> ‘stock’ <i>khruũaŋbanthuksăaŋ</i> ‘tape recorder’, <i>khɔ̀mphiwtô</i> ‘computer’ <i>wĩthayú</i> ‘radio’ <i>wíchaa</i> ‘university course, subject’ |

Central Thai also has another round classifier, i.e., *duaŋ* which is lexically ‘circle, disk, spot, dot’. It has not been developed into a general classifier. It is limited to round and radiating entities such as *phráʔaathĩ* ‘sun’, *phrácan* ‘moon’ *daaw* ‘star’, *takiaŋ* ‘lamp’ and some other entities such as *traa* ‘seal’ and *sataæm* ‘stamp’, *taa* ‘eye’, *duaŋhoŋrasàat* ‘horoscope’. It should be noted that in Sukhothai inscriptions, this classifier has a much wider use than at present, thus more like in Lao (also White Tai in Vietnam); e.g. Inscription of Wat Khema (no.14). So Central Thai has narrowed the earlier Southwestern Tai class for *duaŋ*.

6. A descriptive comparison

All general classifiers discussed in section 5 are compared in terms of the semantic fields of the entities they are used with. Table 24 displays the number of entities that are used with each general classifier in each semantic field. The number includes both the entities that are classed with a general classifier and those that are classed either with a general classifier or other specific classifiers.

The comparison of general classifiers in eight Tai-Kadai languages reveals that there are three kinds of general classifiers, that is, genuine general classifier, ‘round’ general classifier, and ‘animal’ general classifier.

1. Genuine general classifiers are classifiers which do not denote salient characteristics of the associated nouns. They are displayed in Table 25.

Table 25. Genuine general classifiers

| Bouyei | Hlai | Northern Zhuang, Dai, Shan, Lao, and Central Thai. |
|--------------------------|--------------------------|--|
| <i>kai</i> ²⁴ | <i>hom</i> ⁵³ | <i>ʔan</i> |

The general classifier *kai*² classes small inanimate objects such as ‘ring, reed of the loom’ and other inanimate objects which are not native such as ‘doll, microphone, university course, country’. As for body parts, the informant said Bouyei people did not count body parts but if they had to do it, they would use *kai*² as the general classifier.

The general classifier *hom*⁵³ is defined as “classifier for measurement most extensively used especially before nouns which do not have special measure words of their own” (Somsonge et al 2003:117). It can be used widely with entities within all semantic fields except literary and non-human being. It is also used interchangeably with other shape/form classifiers and also *ka*¹¹ which class ‘coffin’ and ‘pod’.

The general classifier *ʔan* is prevalent in the areas outside China, namely, Burma, Laos, and Thailand. However this classifier is still preserved in Dai and Northern Zhuang languages which are spoken in the Southern China. The general classifier *ʔan* is used to class small entities in Dai and Central Thai languages. It is also extended to class newly introduced items in Dai. On the other hand this classifier classes entities of any size in the Northern Zhuang, Shan, and Lao languages. Since the classification of entities with *ʔan* is not dependent on salient and inherent characteristics of the referent, Wilaiwan (1976) affirms that *ʔan* should be called *khamchûaynáp* ‘counting word’ instead of *khamláksànánaam* ‘classifier’. She hypothesizes that the original function of *ʔan* is a noun substitute as attested by the clause *mii phîhăanʔanyày* ‘There is a temple which is big’ in the Ramkhamhaeng inscription. The word *ʔan* in this clause functions as a noun substitute and has been replaced by *thûi* and *sûŋ* ‘which, that’ at the present time.

2. ‘Round’ general classifiers originally class ‘fruit’ or ‘round’ objects. The ‘round’ general classifier *lam*¹ in Sui has the nominal meaning ‘fruit’. The ‘round’ classifiers are shown in Table 26.

Table 26. Round general classifiers

| Bouyei | Sui | Dai | Shan | Lao |
|---------------------------|-------------------------|-------------------------|-------------------------|-------------|
| <i>ʔdan</i> ³³ | <i>lam</i> ¹ | <i>noi</i> ⁵ | <i>hoj</i> ² | <i>mūay</i> |

The ‘round’ classifier *?dan*³³ classes saliently three-dimensional objects and also some flat and long objects. It is extended to class ‘container, furniture, localities, and non-dimensional objects’. The Sui ‘round’ classifier *lam*¹ is extensively used to class objects within a wide range of semantic fields.

The ‘round’ classifiers *noi*⁵, *hoj*², and *nūay* originally class ‘fruit’ and spherical objects. They have expanded beyond the ‘round’ objects to encompass ‘container, furniture, and newly introduced items’. Dai extends the use of *noi*⁵ to ‘book, notebook, winnowing pan, plate, ring, island, and pod’ which are within different semantic domains.

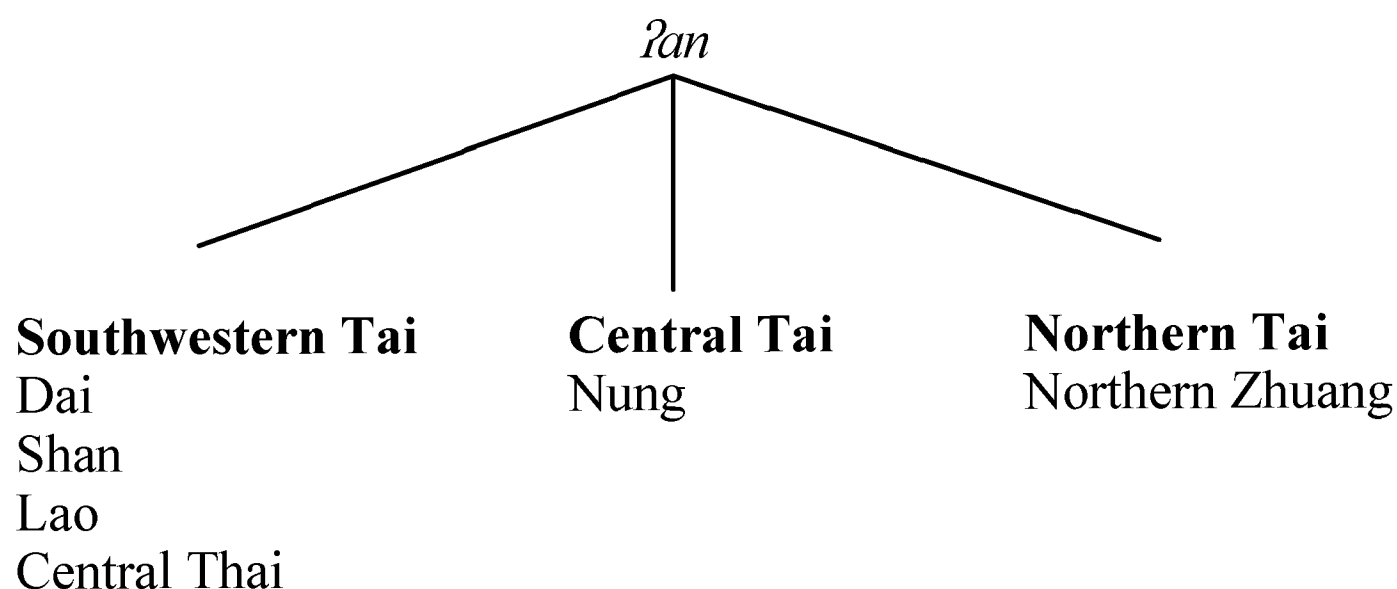
3. ‘Animal’ general classifier

Central Thai is the only language that has been in the process of generalizing the ‘animal’ classifier *tua*. This classifier has been very productive. It has been significantly extended outside its original realm as seen in Table 23.

7. Conclusion and discussion

This study has found that there are three kinds of general classifiers in the Tai-Kadai languages, namely, Bouyei, Sui, Hlai, Northern Zhuang, Dai, Shan, Lao and Central Thai. The first kind is genuine general classifiers which do not class the physical characteristics of objects. They include *kai*²⁴ in Bouyei language; *hom*⁵³ in Hlai language; and *?an* in Northern Zhuang, Dai, Shan, Lao, and Central Thai languages. The second kind of general classifier is derived from shape/form classifiers which originally classed ‘fruit’ or sphericals. The third kind of general classifier has been extended from ‘animal’ domain to categorize various semantic fields, especially newly introduced items.

The genuine general classifiers *kai*²⁴ and *hom*⁵³ are restricted to Bouyei and Hlai respectively whereas *?an* is used in all branches of the Tai group. Saul (1965) has also found the general classifier *?an*¹ in Nung which is in the Central Tai group. The presence of *?an* in the three groups of Tai is diagrammed below.



Even though Nung and Northern Zhuang are subject to Chinese influence and the word order of numeral noun phrases is the same as in Chinese, that is, numeral-classifier-noun, they still preserve *ʔan*. On the other hand Bouyei which is geographically isolated from the other sample languages is heavily influenced by Chinese and does not have *ʔan*.

The classifier *ʔan* is used most extensively in the Northern Zhuang language. It is a widely applicable classifier which classes all sorts of items ranging from small items to large objects such as vehicles, localities, newly introduced items, etc. Bualuang (1984) has found that in the Sukhothai period, Ayutthaya period and the present time, *ʔan* was used most in the Sukhothai period. It was used to class humans, animals, and inanimate objects of all sizes. The work of Wallaya (1970) also agrees with Bualuang. The general classifier *ʔan* was used to class animals such as *sùnákcîŋcòɔk* ‘wolf’; large non-discreet objects such as *khǎw* ‘mountain’, *fáa* ‘sky’, *mæænám* ‘river’; and abstract nouns such as *konʔùbaay* ‘trick’. It can be concluded that the use of *ʔan* in the Northern Zhuang language is the most conservative.

The round general classifier, originally the class for fruit, now has been extended to non-organic globular items and other objects of any shapes and sizes. Conklin (1981:122) has also discovered that the general classifier *dan*⁶ has become the most general class in Dioi or Bouyei. She states that “From the notion ‘round/globular’ it has expanded its semantic domain to cover newly acculturated objects (e.g. firearm) as well as serving to form abstract nouns. Such a powerful class may continue to attract objects whose affinity is ambiguous or in doubt.”

The innovative classification of entities with the round general classifier is geographically varied. The Dai (Tai Lue) language, spoken in China, has extended the round classifier *noi*⁵ from fruit and like-shaped objects to container, furniture, book, notebook, and island. Hanna (1991) reports that the Tai Lue spoken in Chiang Kham district, Phayao province, Thailand, has the classifier *kən*² for fruit and container. This classifier is used interchangeably with *doong*¹ for heavenly bodies. The Northern Thai dialect spoken in Lampang also uses *kèn* in the same way as Tai Lue. Therefore, language contact may be a factor in this similarity. It should be noted that the use of this round classifier in both locations is similar to the use of *lûuk* in Central Thai. Other languages, namely, Northern Zhuang, Bouyei, Sui, and Southern Thai also have the cognates *ŋvei*²¹, *num*⁶, *ŋui*⁶, *nuay*⁴⁵ respectively but these classifiers have not been generalized as *noi*⁵, *hoj*², and *nūay* in the Dai, Shan, and Lao languages respectively.

Finally, the use of classifiers is also governed by sociolinguistic factors.³ The classifier *tua* ‘body’ in Central Thai is used widely with newly

³Barz and Diller (1985:155) suggest that “for a more detailed understanding of classifier evolution and spread, sociolinguistic and stylistic issues need to be considered.” See also further discussion of sociolinguistic and stylistic issues in Preecha (1989).

introduced items. Young people tend to substitute specific classifiers with the classifier *tua*, therefore it can be predicted that this classifier will become another general classifier. However, the use of this classifier is governed by a register choice, that is, it is used only in colloquial speech.

REFERENCES

- Adams, Karen L. and Conklin, Nancy F. 1973. "Toward a theory of natural classification." *Papers from the 9th Regional Meeting of the Chicago Linguistic Society*, 1-10.
- Allan, Keith. 1977. "Classifiers." *Language* 53(2):285-311.
- Barz, R.K. and Anthony Diller. 1985. "Classifiers and standardization: some south and south-east Asian comparisons." In David Bradley, ed., *Language Policy, Language Planning and Sociolinguistics in South-East Asia*, 155-184. Papers in South-East Asian Linguistics No. 9: Pacific Linguistics, A-67. Canberra: The Australian National University.
- Bualuang Wongpukdie. 1984. "A comparative study of classifiers in the Sukhothai Period, the Ayutthaya period and the present time." M.A. thesis. Chulalongkorn University. (in Thai)
- Carpenter, Kathie. 1986. "Productivity and pragmatics of Thai classifiers." *Berkeley Linguistics Society* 12:14-25.
- Carpenter, Kathie. 1992. "Two dynamic views of classifier systems: Diachronic change and individual development." *Cognitive Linguistics* 3(2):129-150.
- Conklin, Nancy Faires. 1981. "The semantics and syntax of numeral classification in Tai and Austronesian." Ph.D. Dissertation. University of Michigan.
- Denny, Peter J. 1976. "What are noun classifiers good for?" *Paper from the 12th International Meeting, Chicago Linguistic Society*, 122-132.
- Hanna, William. 1991. "A linguistic analysis of classifiers in the Tai Lue language of Chiang Kham district, Phayao province." Research Report No. 77. Chiangmai: Payap Research and Development Institute, Payap University.
- Jones, K. 1970. "Classifiers constructions in Southeast Asian." *JAOS* 90, New Haven, CT.
- Preecha Juntanamalaga. 1989. "Social Issues in Thai classifier usage." *Language Sciences* 10(2):313-330.
- Royal Institute. 2003. *Classifiers*. Nonthaburi: Sahamitre printing.
- Saul, Janice E. 1965. "Classifiers in Nung." *Lingua* 13(3):278-290.
- Somsonge Burusphat, Wen Mingying and Wen Jing. 2003. *Hlai-Chinese-English-Thai Dictionary*. Bangkok: Ekphimthai Ltd.
- Somsonge Burusphat, Wei Xuecun and Jerold A. Edmondson. 2003. *Sui-Chinese-English-Thai Dictionary*. Bangkok: Ekphimthai Ltd.

- Sujaritlak Deepadung. 1997. "Extension in the usage of the Thai classifier /tua/." In *Southeast Asian Linguistic Studies in Honour of Vichin Panupong*, edited by Arthur S. Abramson, 49-55. Bangkok: Chulalongkorn University Press.
- Wallaya Wimuktalop. 1970. "The semantic change of words, idioms and word order in Thai in Rattanakosin Period." M.A. thesis. Chulalongkorn University. (in Thai)
- Wilaiwan Khanittanan. 1976. "An assumption of the etymology of the classifier ?an." *Pasaa* 6(1-2) (October):261-265. (In Thai)
- Zhou Guoyan, Suriya Ratanakul, Somsonge Burusphat, and Sumittra Suraratdecha. 2001. *Bouyei Chinese English Thai Dictionary*. Bangkok: Ekphimthai Ltd.

Received: 20 July 2005

Institute of Language and Culture
for Rural Development, Mahidol University,
Salaya, Nakhon Pathom 73170
THAILAND