HANDOUT:

Language contact and areal diffusion in rural Yunnan: A comparative case study on Azha Yi and Nong Zhuang

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Abstract

The diverse, thriving ethnic patchwork of Yunnan Province features intricate networks of language contact that span thousands of years. Migration, commerce, intermarriage, and other factors have contributed to the dispersal and borrowing of linguistic features throughout East and Southeast Asia alike. Although numerous broad-based studies (e.g., Bradley 1979, Matisoff 1996, Bisang 1996, Yu 2000, LaPolla 2002, Huang 2005) have noted the prevalence and mechanics of contact and diffusion in the region, few concentrated studies have been undertaken that examine distinct languages in contact at the local level. To provide a local-level case study on language contact and areal diffusion, this paper focuses on Azha Phula of the Yi Nationality and Nong Zhuang of the Zhuang Nationality—both inhabiting numerous villages of Binglie District, Northeast Wenshan County. Although the Zhuang and Yi nationalities are of widely diverse stock ethnolinguistically, the two groups have been in contact in southeast Yunnan since the Tang and Song Dynasties 618-1234AD (WSZZ 2000:339-88, WSXZ 1999:184). Through lexical, semantic, phonological, and sociolinguistic comparisons, the paper demonstrates ways in which Southern Zhuang and Azha Yi have both yielded to areal linguistic influences and ways in which the two have influenced each other. While both varieties have been impacted from historic contact with the linguistic macroregion, and while both languages have influenced each other lexically, the phonology of Azha Yi spoken in Xiaopingba in particular has been reconfigured by extended contact with Nong Zhuang through space and time.

1. INTRODUCTION

Paper Objectives:

- 1. Advances ongoing linguistic documentation efforts in the region.
- 2. Reinforces the idea that a consideration of contact induced change and areal diffusion between divergent languages that frequently interact is essential for adequate linguistic comparison.

Field research for the paper was carried out in Binglie District, Wenshan County, Wenshan Prefecture, Yunnan Province, China (中国云南省文山州文山县秉烈乡) during August 2005 in the villages of 迷勒湾 Milewan, 小平坝 Xiaopingba, and 罗家邑 Luojiayi.

2. ETHNOHISTORICAL BACKGROUND

- The Zhuang Nationality: population: 16 million; wide distribution from eastern Yunnan through Guangxi to western Guangdong and as far south as the highlands of central Vietnam; Zhuang-Dai (Tai) branch of the Zhuang-Dong (Tai-Kadai) family.
- The Yi Nationality: population 8 million; spread over Yunnan, Sichuan, Guizhou, and northwestern parts of Guangxi Zhuang autonomous prefecture; Tibeto-Burman, Sino-Tibetan.

Historical interaction between Azha Yi and Nong Zhuang

- Zhuang have lived in what is now Wenshan Prefecture since ancient times.
- Ancestors of Azha begin to migrate to Wenshan region as early as the Nanzhao Kingdom period of the Tang Dynasty.
- Azha Yi and Nong Zhuang frequently united to wage war against intruders or to fight off outside governing forces that sought to control them.
- Since founding of PRChina, Azha and Nong interact on a daily basis; trade and intermarriage is common.

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Modern Demographics

- Azha population: 80,000—95,000 (cf. Wu 1996, Pelkey in press); c. 25–30% of total Yi population for Wenshan Prefecture
- Nong population: c. 530,000 (cf. WSZC 2004, WNFB 2005); c. 53% of total Zhuang population for Wenshan Prefecture.
- Wenshan county has around 74,000 Yi (Azha and Nisu) and 92,000 Zhuang (Nong and Tu). (cf.WSZC 2004, WNFB 2005).

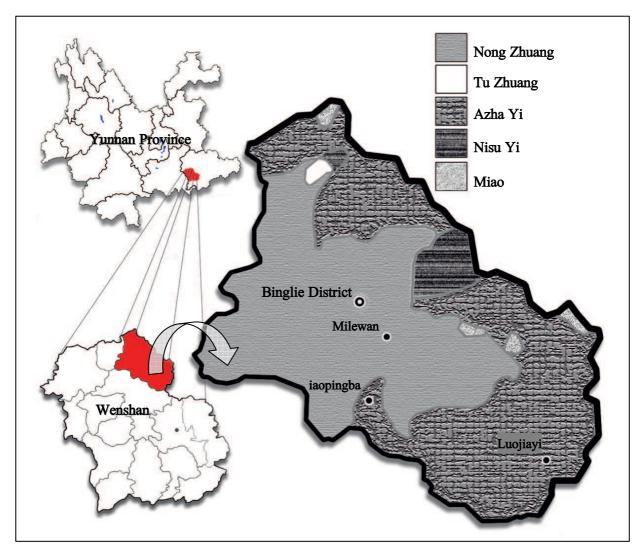


Figure 1. Distribution of Binglie District's ethnic populations

Official Nationality	Binglie Population	% of Total Population
Han	1,120	5.0%
Zhuang	12,508	56.1%
Yi	8,454	37.9%
Miao	201	0.9%

Table 2. Ethnic composition of Binglie District (WNFB 2005)

3. SOCIOLINGUISTIC BACKGROUND

- Azha Yi village of Xiaopingba has over 300 households with a total population of 1,400
- Nong Zhuang village of Milewan has 128 households with a total population of 576.
- Xiaopingba and Milewan are about 3km apart.

- Both Azha and Nong language vitality is strong in XPB and MLW, respectively, with all children learning the ethnic language first.
- Children of mixed marriages reportedly learn mother's L1 first, then father's.
- Majority of XPB Azha can understand and/or speak Nong to some degree.
- Only a few MLW Nong can understand or speak Azha.

4. PHONOLOGICAL ORIENTATION

Binglie Nong (BLN) Phonology

Of all the previously published Zhuang data, the Binglie Nong (BLN) pronunciation appears most similar to the dialect spoken by the Nong of Yanshan County data as published in Yan 1994 and Zhang et al. 1999.

The Syllable

Syllable Type	BLN	Chinese	English
CVT	mi ³³	有	have
CVCT	lam ³³	风	wind
CVVT	$tc^{h}ei^{11}$	蛋	egg
CVVCT	liak ³³	铁	iron
CVVVT	thuei11	汗	sweat

Table 3. The Nong Zhuang syllable template

Consonants

BLN has 22 phonemic consonants at seven places of articulation, of which six (p, t, k, m, n, η) can form syllable codas:

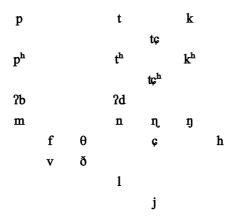


Table 5. BLN phonemic consonants

Initial	BLN	Chinese	English	Initial	BLN	Chinese	English
р	pa ²⁴	鱼	fish	ŋ	ŋa³³	芝麻	sesame
$\mathbf{p^h}$	p^ha^{24}	石	stone	f	fa^{33}	天	sky
?b	?ba ¹¹	肩	shoulder	v	vai ³³	水牛	water buffalo
t	tap ⁵⁵	肝	liver	h	ha ²²	五.	five
t ^h	$(luk^{33}) t^h a^{24}$	眼睛	eye	tç	tça ²²	秧苗	rice seedling
?d	?da:u ²⁴ ?di ¹¹	星星	star	tç ^h	t¢ ^h ai ¹¹	蛋	egg
k	$ka^{22}\delta o^{33}?di^{55}$	什么时候	when	1	lam ³³	凤	wind
$\mathbf{k^h}$	k^hai^{24}	卖	sell	Ç	ça ⁵⁵ baŋ ³³ nai ⁴¹	如果	if
m	ma^{24}	狗	dog	θ	θa^{24}	纸	paper
n	na ³³	田	field	ð	ðaŋ³³	一些	some
ņ.	na ²²	草	grass, hay	j	$ja^{31}nin^{33}$	妻子	wife

Table 6. BLN consonant initials in context

i u w e o o a a

Vowel	BLN	Chinese	English
i	?di ²⁴	里(面)	in (side)
u	tu ³³	帽子	hat
w	tw ⁵⁵	大	big
е	te ²² ðat ⁵⁵	结(果子)	to bear(fruit)
0	to ¹¹ nam ⁵⁵	蜜蜂	bee
э	to ³¹	河	river
a	?daŋ ²⁴	鼻	nose
a:	?da:ŋ²⁴	身体	body

Table 7. BLN vowels in contrastive context

Coda	BLN Example	Chinese Gloss	English Gloss	Coda	BLN Example	Chinese Gloss	English Gloss
i	pi ²⁴	年	year (calendar)	uk	au p ^h uk ⁵⁵	捆绑	tie; bundle
ie	thie24	跑	to run	w	kw ²⁴	盐	salt
iu	fei phau11tçiu55	弯 (用火)	to bend (using fire)	um	ðun ³³	房子	house
io	çio ⁵⁵	尿	urine	uut	?dwt ⁵⁵	喝	drink
im	?im ¹¹	饱	full, satiated	wk	lwk³¹	挑选	select
in	tçin ²⁴	吃	eat, to	um	kun ⁵⁵	吞	swallow
iŋ	lin^{33}	猴子	monkey	un	t ^h wŋ ²⁴	糖	sugar
iem	?iem ²⁴	茅草	thatch	е	te ²² ðat ⁵⁵	结(果子)	bear (fruit)
ien	tchien11	切(肉)	cut (meat), to	ei	tçei ¹¹	鸡	chicken
iaŋ	t ^h iaŋ ²⁴	千	thousand	en	hen ²²	黄	yellow
ip	θip^{55}	+	ten	eŋ	?deŋ ²⁴	红	red
iap	$liap^{33} k^h a^{24}$	爪子	claw	o	?bo¹¹mi³³	黄牛	not yet
it	?dit ⁵⁵	吸	suck, to	oi	noi ⁵⁵	少	few
iet	fiet ⁵⁵	扔	throw (a ball), to	ou	kou ³³	曲,弯曲	crooked
ik	pik ⁵⁵	翅膀	wing	om	n_0 om 55 p h a η^{24}	染(布)	to dye
iak	liak ⁵⁵	铁	iron	oŋ	moŋ ⁵⁵	鸟窝	bird's nest
iau	$miau^{11}$	猫	cat	ok	tok ³³ pak ¹¹	嘴巴	mouth
iou	niou ⁵⁵ muŋ ³³	手指	finger	၁	?ɔ³³nei³¹	这里	here
ioŋ	n_{i} io n^{33}	蚊子	mosquito	oi	θ oi 11	蒜	garlic
u	$\eth u^{55}$ n, in 33	听见	hear, to	ət	pot ¹¹	肺脏	lungs
ua	phua ²⁴	羽毛	feather	эk	mok ⁵⁵	埋	cover up; bury
uan	huan ²⁴	割(绳子)	to cut;to trim	эm	$p^h \mathfrak{I} m^{24} \ t^h u^{24}$	头发	hair (on head)
uei	thuei11	汗	sweat	on	$mon^{24} t^h u^{24}$	枕头	pillow
uum	$p^h a^{11} huun^{33}$	破	to break (a bamboo	oŋ	?dɔŋ ²⁴	森林	forest;woods
uot	?buɔt ¹¹	瞎	blind	aru	?da:u ²⁴ ?di ¹¹	星星	star
uok	huok ⁵⁵	做	to do	am	na:m ²⁴	剌(植物上的)	thorn
uon	?uɔn¹¹	年轻	young (boy)	am	wa:n ²⁴	甜	sweet
uoŋ	kuəŋ ²² tç ^h it ⁵⁵	冷(天气)	cold (weather)	arŋ	ka:ŋ³³	下巴	chin
uŋ	nuŋ ³¹	穿	put on, wear				

Table 8. Syllable coda combinations in BLN

Tone Cat.	1	2	3	4	5	6	7	9	8	10
Proto-Tai	A1	A2	C1	C2	B1	B2	D1S	D1L	D2S	D2L
BLN Tone	24	33	22	55	11	31	55	11	33	31
BLN	pi ²⁴	pi ³³	?bi ²²	$p^h i^{55} \\$	pi ¹¹	pi ³¹	phak55	pak ¹¹ kou ³³	pak ³³ n.in ³³	?a ³³ pak ³¹
Chinese	年	肥 (肉)	蝴蝶	慢	笛子	哥,姐	蔬菜	百	听	打哈欠
English	star	fat (meat)	butterfly	slow	flute	elder sibling	vegetable	hundred	to hear	to sneeze
BLN	ma ²⁴	ma ³³ tei ³³	ma ²²	ma ⁵⁵	ma ¹¹	ja ³¹ n.iŋ ³³	nak ⁵⁵	mak ¹¹	mak ³³ wi ²⁴	mak ³¹
Chinese	狗	来	生长	马	泡米	妻子	重	果子	梳子	滑
English	dog	to come	to grow	horse	to soak rice	wife	heavy	fruit	comb	slippery

Table 11. BLN's ten tone categories with examples

Xiaopingba Azha Yi (XPA) Phonology

Syllable Typ	pe XPB	Chinese	English
VT	e^{44}	蛋	egg
VVT	$a^{44}i\epsilon^{33}m\mathfrak{d}^{33}$	影子	shadow
CVT	$t^h e^{31}$	厚	thick
CVVT	xie ⁴⁴	累	tired

Table 12. XPA syllable types with examples

p	t				k	
p^h	$\mathbf{t^h}$				$\mathbf{k^h}$	
m	n	ŋ,			ŋ	
f	S	Ç	4	ş	x	h
v	Z	%	1	Z,	Y	
	ts	tç	tł	tş		
	ts ^h	tç ^h		tş ^h		

Table 13. XPA phonemic consonant initials

Initial	XPB	Chinese	English	Initial	XPB	Chinese	English
D	pi ³³	衣服	clothes	Y	i ⁴⁴ y u ²¹	肠子	intestines
$\mathbf{p^h}$	$p^h i^{33}$	臼	mortar	t	te ³³	爬	climb
m	mi ⁴⁴	土	soil	t ^h	$t^h\epsilon^{33}$	快	sharp
n	ni^{33}	红	red	ts	$tse^{44}zo^{22}$	醒	star
Ŋ.	n_i i ³³	饿	hungry	ts ^h	$ts^h\epsilon^{22}$	掉	fall
ŋ	ŋɨ ⁴⁴	喝	drink	tç	tçε ⁴⁴	煮	cook
f	$ni^{44}fi^{44}$	雾	fog	tç ^h	$tc^{h}\epsilon^{33}$	抓	scratch
v	vi^{33}	远	far	t l	$t^4\epsilon^{33}$	满	full
S	si ⁴⁴	木	wood	4	$4c^{21}$	白	white
z	zi^{44}	闪	flash	1	$l\epsilon^{21}$	来	come
Ç	¢i ⁴⁴	编	weave	tş	t s i 33	缝	sew
Z	$z^{i^{44}}$	割	reap	tş ^h	$t_s^h e^{33}$	焚	burn
ş	$\S \dot{\mathbf{i}}^{33}$	七	seven	k	$m \underline{u}^{33} k \mathfrak{E}^{22}$	屁股	buttocks
z ,	$z\mu^{33}$	数	count	k ^h	$k^h\epsilon^{21}$	个	CLF(general)
x	xi^{33}	八	eight	h	$h\epsilon^{21}$	窝	nest

Table 14. XPA consonant initials in context



Table 15. XPA vowel phonemes

Vowel	XPA	Chinese	English	Vowel	XPA	Chinese	English
i	ni ⁴⁴	系	tie; bind	3	$tc^hv^{33}n3^{21}$	腐烂	rot
y	ny ⁴⁴	绿	green	Λ	$l \Lambda^{22} pa^{33}$	枪	gun
ε	$n\epsilon^{44}$	早	early	9	$n\mathfrak{d}^{33}$	多	many
œ	ne^{33}	软	soft	a	na ³³	湿	wet
i	n_{i}^{44}	想要	want to (do)	iε	$dy^{33}ly^{33}mi\epsilon^{21} \\$	脐	navel
u	$m_{\text{\it u}}^{33}k\varpi^{22}$	屁股	buttocks	uo	$\text{muo}^{33}\text{tc}^{\text{h}}\text{y}^{33}\text{mo}^{33}$	寡妇	widow
w	lm^{21}	轻	light	Other	XPA	Chinese	English
u	nu^{21}	你	2S(you)	зŋ	mສŋ ³⁵	铜锣	gong

Table 16. XPA vowel phonemes in context

Toneme	35	44	33	22	21
Suprasegmental Features	glottalized and/or constricted	modal voice	modal voice	modal voice	laryngealized or nasalized
Phonetic Contrasts	[ni̞ʔ³⁵]	[ni ⁴⁴]	[ni ³³]	[ny ²²]	$[n\underline{i}^{21}] \sim [n\widetilde{i}^{21}]$
Phonemicized Minimal Pairs	/ni ³⁵ /	/ni ⁴⁴ /	/ni ³³ /	/ny ²² /	/ni ²¹ /
Chinese	坐	系	П	绿	有
English	sit	bind	mouth	green	EXIST

Table 17. XPA tonemes with examples

5. AREAL DIFFUSION

	Chinese	BLN	Mandarin	Cantonese	Proto-Tai
bronze gong	铜锣	(tcoŋ ²²) la ³³	thon35luo35	lo ³¹	*dɔŋ ^{A2} = copper
candle	蜡烛	la ³¹ tçu ³¹	la ⁵¹ tsu ³⁵	la:p ¹¹	no protoform
elephant	大象	ta ³³ çiaŋ ³³	ta ⁵¹ çiaŋ ⁵¹	tçeuŋ ¹¹	*d3aŋ ^{C2}
lime	石灰	ho:i ²⁴	xuei ⁵⁵	fui ⁵⁵	no protoform
float (on water)	浮	fut ⁵⁵	fu ³⁵	fau ³¹	*loi ^{A2}
heel	脚跟	nien ⁵⁵ tçiou ²²	tçiau ²¹ kən ⁵⁵	kan ⁵⁵	*son ^{C1}
oil	油	ju ³³	jou ³⁵	jau ³¹	no protoform
to fry	炒	tç ^h au ²²	t̄şʰau⁵⁵	\widehat{tc}^h aru ³⁵	no protoform
road	路	lo ³¹	lu ⁵¹	lou ¹¹	*xru̯wn ^{A1} , *daŋ ^{A2}
rattan	藤子	thou ²⁴	thəŋ ³⁵ zŋ ²¹	t ^h aŋ³¹	*hwai ^{A1}
shoes	鞋子	ha:i ³³	$cj\epsilon^{35}z\gamma^{212}$	ha:i ³¹	no protoform
gun	枪	tçoŋ ¹¹	tchjan ⁵⁵	îçheuŋ ⁵⁵	no protoform
to pay	交	çuei ¹¹	tçjau ⁵⁵	kiu ³⁵	no protoform
to push	推	toi ⁵⁵	t ^{hw} ei ⁵⁵	theui11	no protoform
friend	朋友	toŋ³³pən³¹	t ^h oŋ ³⁵ pan ⁵¹ (同伴)	t^h uŋ 31 pun 11	no protoform
green	绿	lok ³³	lu ⁵¹	luk ¹¹	*xiau ^{A1}
hundred	百	pak ¹¹ kou ³³	pai ²¹⁴	ba:k ³³	no protoform
thousand	千	t ^h iaŋ ²⁴	tçjen ³⁵	tçin ⁵⁵	no protoform
hard, difficult	难	nan ⁵⁵	nan ³⁵	na:n ³¹	*jak ^{D1L}

Table 18: Chinese loanwords in BLN

English	Chinese	XPA	Mandarin	Proto-Ngwi
candle	蜡烛, 洋蜡	ja ³¹ la ²¹	jaŋ³⁵la⁵¹	no protoform
elephant	大象	ta^{22} ç \tilde{a}^{34}	ta ⁵¹ ¢jaŋ ⁵¹	*?-ya ³
socks	袜子	va ⁵³ ts i ³³	wa ⁵¹ ts <u>i</u> ²¹	no protoform
flat	平	p^hi^{21}	p ^h iŋ ²⁵	*?-bra ²
surname	性	¢i ²²	çjiŋ ⁵¹	no protoform
sing	唱歌	tşha44kə33	tşʰaŋ⁵⁵kə⁵¹	*mi¹ & *?ka³

Table 19: Chinese loanwords in XPA

 $^{^2}$ The Wenshanhua (the Wenshan county dialect of Southwest Mandarin, 西南官话文山县方言) pronunciation of 'shoes' is [haii 33].

The Challenge of Separating Chinese Loan Words from Proto-Tai Reflexes

English	Chinese	BLN	Standard Mandarin	Wenshanhua tone reflex	Standard Cantonese	Proto-Tai	Expected Tonal Reflex for BLN
head	头	thu24	tho35	42	thau35	*thrueA1	24
buttocks	屁股	ku ³³ tç ^h i ³³	p ^h i ⁵¹ ku	211	$p^h e i^{33} k u^{24} \\$	*ku̯ɯn ^{C1}	22
pus	脓	ກວະກຸ ²⁴	noŋ ³⁵	42	nuŋ³¹	*hnɔŋ ^{A1}	24
early	早	tçou ⁵⁵	tsau ²¹⁴	44	tçou ³⁵	*d3au ^{C2}	55
cat	猫3	miau ¹¹	mau ⁵⁵	55	ma:u ⁵⁵	*meu ^{A2}	33
medicine	药	ja ²⁴	jau ⁵¹	211	tçau ¹¹	*?jwa ^{A2}	33
ginger	姜	tchin ²⁴	tçjaŋ ⁵⁵	55	keuŋ ⁵⁵	*xiŋ ^{A1}	24
to chop (meat)	切(肉)	t¢hien11	$\widehat{tc}^h i\epsilon^{51}$	211	tçhai33	$*t^h ram^{C1}$	22
bow	弓	ko:ŋ²⁴	koŋ ⁵⁵	55	kuŋ ⁵⁵	*koŋ ^{A1}	24
gold	金	tçim ²⁴	tçin ⁵⁵	55	kam ⁵⁵	*yam ^{A2}	33
mortar	臼	tçuok ³³	tcjo ⁵¹	211	kau ¹³	*gruok ^{D2S}	33
needle	针	tçham ²⁴	t͡şən ⁵⁵	55	tçam ⁵⁵	*khi̯em ^{A1}	24
tax	税	çuei ¹¹	ç ^w ei ⁵¹	211	seui ³³	*suai ^{B1}	11
bury	埋	mok ⁵⁵	mai ³⁵	42	ma:i ³¹	*hmok ^{D1S}	55
yellow	黄	he:n ²²	x ^w aŋ ³⁵	42	wəŋ³¹	*hlwoŋ ^{A1}	24

Table 20: BLN words of unclear origin

English	Chinese	Standard Mandarin	Standard Cantonese	Proto-Tai	BLN	Expected Tonal Reflex for BLN
horse	马	ma ²¹⁴	ma ¹³	no protoform	ma ⁵⁵	-
chicken	鸡	tçi ⁵⁵	kai ⁵⁵	*kəi ^{B1}	tçei ¹¹	11
ride	骑(马)	tchi ²⁵	kei ³¹	*khui ^{B1}	$k^h i^{11}$	11
wash	洗(手)	çi ²¹⁴	sai ³⁵	*suai ^{A2}	θi^{11}	33
name	名字	miŋ ²⁴ /miŋ ²⁴ zŋ	${ m min}^{31}$	$*\widehat{d_3}$ w ^{B2}	min ⁵⁵ tçw ³¹	-
wide	宽	k ^{hw} an ⁵⁵	k ^w əŋ ⁵⁵	*kwaŋ ^{C1}	kaŋ³³	22
three	三	san ⁵⁵	sa:m ³³	*sam ^{A1}	θam ²⁴	24
four	四	s7 ⁵¹	sei ³³	*si ^{B1}	θi^{11}	11
six	六	ljo ⁵¹	luk ¹¹	*xrok ^{D1S}	tchok55	55
seven	七	tchi ⁵⁵	îçhat55	*Î∫et ^{D1S}	t¢hiet55	55
eight	八	pa ⁵⁵	pa:t ³³	*pɛt ^{D1L}	piet ¹¹	11
nine	九	tcjo ²¹⁴	kau ³⁵	*ki̯əu ^{C1}	kou ²²	22
ten	+	ຊາ ²⁵	sap ¹¹	*sip ^{D1S}	θip ⁵⁵	55

Table 21. Confirmed Chinese loans in BLN via Proto-Tai

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³ Of course, the similarity between the forms for 'cat' are likely due to onomatopoeia.

English Gloss	Chinese Gloss	Proto-Ngwi	XPAzha	Proto-Tai	Expected Tonal Reflex for BLN	BLNong	Cantonese	Putonghua
sand ⁴	沙	*say ²	lw ⁴⁴ sa ⁴⁴	*zai ^{A2}	33	θa:i ³³	sa ⁵⁵	şa ⁵⁵
cloth	布	*pa¹	$p^h o^{21}$	*pʰwa ^{C1}	22	phan ²⁴	pou ³³	pu ⁵¹
pants	裤子	*?-/k-la ²	$k\epsilon^{44}p\epsilon^{22}$	no protoform	-	kha11	fu ³³	$k^h u^{51} z \gamma \\$
ride	骑(马)	*dzi ²	tsn ³³	*khu̯i ^{B1}	11	$k^h i^{11}$	kei ³¹	$\widehat{t}\widehat{\mathfrak{c}}^h i^{25}$
blanket	被子	*[bo+]	kΛ ⁴⁴ p u ³³	no protoform	-	fa ³³	pei ¹¹	pei 51 z γ^{21}
tea	茶	*la ¹	tsha21	*t¢a ^{A2}	33	tça ³³	tça ²⁵	\widehat{t} ¢ a^{31}
thin,	薄(纸)	*ba² & *C-	po ²²	*?baŋ ^{A1}	24	?ba:ŋ ²⁴	pok ⁶⁶	pao ²⁵ ,
flimsy	(号(5以)	jok^{L}	po	Toaij		Tuailj	рэк	po ²⁵
crooked	曲	${f *gok}^{ m L}$	$k\Lambda^{33}$	*guot ^{D2S}	33	kou ³³	$\widehat{tc}^h y^{55}$	kuk ⁵⁵

Table 22. A Summary of Areal Loans in Nong Zhuang and Azha Yi

6. LEXICAL INFLUENCE

Nong Loans in Azha

English	Chinese	Proto-Tai	BLN	XPA	Proto-Ngwi	Sani Yi⁵
fat (meat)	肥 (肉肥)	*bi	pi ³³	pu ⁴⁴	*tsi ¹	ts ^h z ³³
dust	灰尘	*tem+*hmon	na:m ³¹ mu ⁵⁵	ny ⁴⁴ my ³³	no protoform	$q^h o^{11} dp^{33}$
knee	膝盖	*xou	$t^hu^{24}\;k^hou^{11}$	p u ³⁵ ko ³³	*du ³	pv^2tsz^{55}
matches	火柴	*vwən	jaŋ³³ fat³³ tçu³¹	ja ²¹ pa ²¹ tş ^h u ²¹	no protoform	$m^{11} t v^{55} t s^h a^2 \chi o^{55}$

Table 24. A Summary of Nong Loans in Azha

(No clear examples of XPA loans in BLN identified to date)

7. PHONETIC AND PHONOLOGICAL INFLUENCE

- A loan nasal final in in XPA [msŋ²⁴] 'gong' (铜锣)
 - 1. No other Proto-Ngwi nasal finals are preserved in this dialect of Azha (cf. *baŋ¹ \rightarrow /pu³³/ 'deaf'; *m-gaŋ¹ \rightarrow /ku²¹/ 'pull'; *woŋ² \rightarrow /vɛ⁴⁴/ 'round').
 - 2. Neither are any other Azha varieties known to exhibit a nasal final (or nasalization) on this or other lexemes. Luojiayi Azha, another, reportedly intelligible, Azha variety spoken in Binglie district that has slightly less contact with Nong Zhuang pronounces this 'gong' lexeme with the phonetic shape [ma³³].
- Allophonic variation of XPA /s/ between [s] and $[\theta]$:

$$\begin{split} [si^{44}] \sim & [\thetai^{44}] \qquad \Xi \qquad \text{`three'} \\ [s\Lambda^{44}] \Lambda^{44} vi^{22}] \sim & [\theta\Lambda^{44}] \Lambda^{44} vi^{22}] \qquad 棉花 \qquad \text{`cotton'} \\ [to^{44}s\epsilon^{44}] \sim & [to^{44}\theta\epsilon^{44}] \qquad \textrm{\^e} \qquad \text{`turtle'} \end{split}$$

Note that in BLN the phoneme $/\theta$ / (corresponding to Li Fang Kuei's (1977) proto-Tai *s) has two allophones [θ] and [s] which are in free alternation when preceding a non-front, unrounded vowel (also $/uu/\rightarrow i/s$ _). Elsewhere this phoneme surfaces as [θ]. ($/\theta/\rightarrow [\theta]$, [s]/ _ uı, i):

⁴ Of these items, 'Sand', 'cloth' and 'tea are recognized by Bradley (1979) as area loanwords.

⁵ These items are taken from Dai (1992) and are offered in order to provide a comparative context from a nearby Yi language and in order to fill in the gaps in the absence of reconstructed etyma for Proto-Ngwi.

- Loss of contrastive phonation in XPA preserved as a suprasegmental feature of two tonemes—one with glottal stop.
- Odd proliferation of diphthongs including the following allophonic possibilities:
 - \circ [øæ]: /æ/ conditioned by initial segments that are [+continuant].
 - \circ [i3]: /i/ conditioned by glottalized tone /35/.
 - \circ [a \land]: /a/ conditioned by glottalized tone /35/.
 - \circ [ε 1]: $/\varepsilon$ / conditioned by glottalized tone $/^{35}$ /.
 - \circ [us]: /u/ conditioned by glottalized tone /35/.

In contrast, Wu (1996) describes only three diphthong possibilities for Gaodeng Azha—[ue], [ue] and [uq]—only the first two of which are phonemic (/ue/ and /ua/).

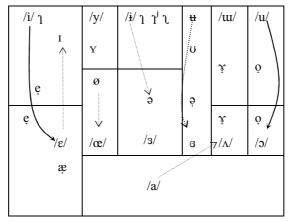


Figure 2. XPA diphthongs and allophonic space

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