

RECONSTRUCTION OF PROTO-ATAYALIC PHONOLOGY

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1. INTRODUCTION

1.1 The Atayalic Group

The Atayalic group of Formosan languages occupies the northern half of Taiwan, covering eight counties. It is comprised of Atayal and Sediq, each with many dialects of its own.¹ Atayal, in turn, consists of two major dialects, Squliq and C?uli? (Ts?ole). Since Squliq dialects are all fairly uniform, whereas C?uli? dialects can be quite divergent from each other, only one Squliq, Pyasan, will be represented and several C?uli? dialects, Maspazi?, Skikun, Mnawyan, Mayrinax, Matabalay and Paljawan will be included in this study. The Sediq dialects, Tonjan, Toda, Truwan and Inago, which are not completely uniform, but also not very divergent, will be represented. I have collected in the field extensive lexical materials for all the above dialects and some texts for some of the Atayal dialects included in this report². See Appendix II: "List of Dialects

1. This paper represents partial results obtained with the support of the National Science Council by Grants NSC-68H-03-01(06) and NSC70-0301-H001-03, Republic of China. I am grateful to Hwang-cherng Gong and Dah-an Ho for comments on this paper and to Susan Hess for editorial assistance.

2. I did my field work on these dialects off and on between December 1978 and November 1980. Except for Pyasan, my field investigations were all conducted in the native villages, and I visited each of these villages from two to four times for all the important dialects included in this study.

Included in This Study” for their location and subgrouping.

The term “Atayal” is reserved for Atayal proper, referring only to Atayal dialects, and “Atayalic” for the entire group, including Atayal and Sediq, in this study.

In the Atayalic group, Mayrinax is by far the most conservative dialect and hence the most valuable for historical reconstruction. Matabalay is valuable in its reflexes for Proto-Atayalic word-final voiced stops; see §2.7—2.9. Squliq and Paljawan are the most innovative.

1.2 Previous Studies on Synchronic Atayalic Phonologies

The phonological structure of Atayal was first studied by Ogawa and Asai 1935:21–22, and then by Egerod 1966, Hirano 1972, Yamada and Liao 1974, all based on the Squliq subgroup and using a structural approach. Later, I used a generative approach to study the Pyasan dialect of Squliq (Li 1980a) and in it also described the differences in Atayal dialects, including Maspazi?, Skikun, Mayrinax, Matabalay and Sakuxan, all in the C?uli? subgroup. The morphophonemic alternations in these dialects were described in some detail and illustrated with examples. The phonological rules in the different dialects were found to be related and these parallels were indicated. This study also showed the linguistic value of Skikun, Mnawyan and Mayrinax for comparative study.

The Toda (Paran) dialect of Sediq was studied in great detail by Yang 1976 using the generative approach.³ As there are significant dialectal differences in Sediq, I have included four dialects in this study.

The following is a brief summary of the sound systems of all the dialects included in this comparative study.

3. Yang's 1976 phonetic description is generally accurate except for a few minor corrections: (1) /h/ is pharyngeal rather than “glottal” fricative (p. 618, 620, 632). (2) /miric/ ‘sheep,’ not /mi'ic/ (p. 619). (3) /hláma?/ ‘candy,’ not /xuláma/ (p. 634, no. 87). (4) All pre-tonic vowels before penult are phonetic rather than phonemic; see Li 1977: 393–96 for the alternative analysis. (5) The morphophonemic alternation l~n (Yang 1976: 650–51) is found only in the speech of younger speakers, not in that of older speakers. (6) The glottal stop in word-initial and final position is phonemic rather than phonetic.

Squliq:	/p, t, k, q, ʔ, b, -, g, (c), ⁴ s, x, h, z
Maspaziʔ:	/p, t, k, -, ʔ, b, -, g, -, s, x, h, z
Skikun }:	/p, t, k, q, ʔ, b, -, g, c, s, x, h, -
Mnawyan }	
Mayrinax:	/p, t, k, q, ʔ, b, -, g, c, s, x, h, -
Matabalay:	/p, t, k, -, ʔ, b, -, g, -, s, x, h, z
Palɲawan:	/p, t, k, -, ʔ, b, -, g, c, s, x, h, -
Toɲan:	/P, t, k, q, ʔ, b, d, g, c, s, x, h, -
Toda:	/p, t, k, q, ʔ, b, d, -, c, s, x, h, -
Truwan:	/p, t, k, ʔ, ʔ, b, d, g, (c), s, x, h, -
Inago:	/p, t, k, q, ʔ, b, d, g, (c), s, x, h, -

Squliq:	/l, r, -, m, n, ŋ, w, y, i, u, e, o, a/
Maspaziʔ:	/l, r, -, m, n, ŋ, w, y, i, u, -, -, a/
Skikun }:	/l, r, -, m, n, ŋ, w, y, i, u, e, o, a/
Mnawyan }	
Mayrinax:	/l, r, -, m, n, ŋ, w, y, i, u, -, -, a/
Matabalay:	/l, r, -, m, n, ŋ, w, y, i, u, -, -, a/
Palɲawan:	/l, r, ɾ, m, n, ŋ, w, y, i, u, e, o, a/
Toɲan:	/l, r, -, m, n, ŋ, w, y, i, u, e, o, a/
Toda:	/l, r, -, m, n, ŋ, w, y, i, u, ə, o, a/
Truwan:	/l, r, -, m, n, ŋ, w, y, i, u, ə, o, a/
Inago:	/l, r, -, m, n, ŋ, w, y, i, u, ə, o, a/

There are a number of significant linguistic variations among speakers of different age groups in various Atayalic dialects. These variations have important historical implications for sound changes in the group. See Li (forthcoming) "Linguistic Variations of Different Age Groups in the Atayalic Dialects" for a detailed account. Transcriptions for the dialectal materials in this report are for the most part based on older speakers.

1.3 Phonetic Description

1.3.1 Consonants

The voiceless stops /p, t, k, ʔ/ occur in all dialects. The word-final /-t/

4. The consonant in parentheses (c) is distributionally defective in that it occurs only before /i/ or /y/ and word-finally. It may be treated as a phonetic variant of /t/ in these dialects.

is replaced by the affricate /-c/ in the speech of younger speakers in many dialects.⁵

The voiceless uvular stop /q/ occurs in most dialects, but not in Maspazi?, Matabalay, Palṇawan or Truwan.

The voiceless pharyngealized stop /ʔ/ occurs in Truwan, Bʔala? and Pakali? 八卦村, the dialect most closely related to Mayrinax, as based on some speakers.

/b/ and /g/ are more commonly voiced fricatives [β] and [ɣ] respectively in all Atayal dialects, but voiced stops [b] and [g] respectively in all Sediq dialects. The bilabial fricative [β] is replaced by labiodental [v] in the speech of younger speakers.

/d/ occurs only in Sediq dialects. It is palatalized as /j/ [dʒ] before /i/ or /y/ in Truwan and Inago, just as /t/ is palatalized as /c/ in these dialects as well as in Squliq, Skikun and Mnawyan.

/c/ is the alveo-palatal affricate [tʃ], which does not appear in Maspazi? or Matabalay.

/s, z/ are the alveopalatal fricatives [š, ž] respectively. The latter appears only in Squliq, Maspazi? and Matabalay.

/x, h/ are voiceless velar and pharyngeal fricatives respectively.

/l/ is the lateral fricative [ɬ] in all dialects. The word-final [-ɬ] is replaced by [-n] in the speech of younger speakers in all dialects.

/r/ has the free variants [ɾ] flap and [r̥] trill, depending on the dialect and individual speaker.

In addition to /l, r/, Palṇawan has a third liquid /r̥/, a trill, which is phonemically distinct from the flap /r/ [ɾ], retroflex [ɽ] or retroflexed fricative [ɽ̥].

1.3.2 Vowels and Stress

Some dialects, i. e. Maspazi?, Mayrinax and Matabalay, have only three vowels /i, u, a/. Some have five vowels /i, u, e, o, a/, as in Squliq, Skikun, Palṇawan and Toṇan, or /i, u, ə, o, a/, as in most Sediq dialects.

5. For a detailed description of age differences in speech and their historical implications, see Li (forthcoming) "Linguistic Variations of Different Age Groups in the Atayalic Dialects."

The mid vowels /e, o/ are phonetically [ɛ, ɔ] respectively, especially those historically derived from the diphthongs /ay, aw/ respectively.

All Sediq dialects share the same vowel-deletion rule before stress, which generally falls on the penultimate syllable. In fact, vowel-deletion or weakening in the unstressed syllables is a common phonological feature in the entire Atayalic group except for a few conservative dialects, such as Mayrinax and Matabalay.

One vowel, retained in some forms (only *i historically derived from the infix *-in-) is retained in the syllable before the main stress even in the most innovative dialects. For example, in Squliq: /s-in-qɭaŋ-án/ 'was troubled,' /c-in-gyut-án/ 'was taken turns,' /s-in-lhag-án/ 'was pleased.' Such forms all contain the infix -in-.

In general, all unstressed vowels before stress are reduced to the schwa [ə] in every dialect except Toŋan and Maspazi?. In Toŋan they are reduced to phonetic [u], e. g. [q-um-íyuc] 'bite,' [buɬébiɬ] 'banana,' and in Maspazi?, they are replaced by vowel [a], e. g. [k-am-aát] 'bite,' /tala-ɬíy/ 'eel.'

A phonetic vowel [ə] generally occurs between consonants in nearly every dialect in the entire group except Toŋan. For example, /qhoniq/ [qəhɔ:níeq] 'tree' in Squliq, Skikun and Mnawyan, /pnsɯs/ [pənsəŋús] 'horse bean' in Maspazi?, /kgiy/ [kəgí:] 'hemp plant' in Mayrinax, /stapuŋan/ [ʃətapu:ŋán] 'moss' in Matabalay, /ɬamgal/ [ɬaməʃáɬ] 'flea' in Palŋawan, /bləbul/ [bɬəbuɬ] 'banana' in Toda, Truwan and Inago.

In Atayal dialects, stress falls on the final or penultimate syllable, depending on the individual dialect as well as individual speaker. It may occasionally vary from item to item.

1.4 Distribution

All consonants except /x/ occur word-initially in all dialects; /x-/ occurs only in a few forms in a few dialects. Skikun /x-/ < *g- [ɣ-] occurs in a number of forms, especially in the speech of younger speakers.

The labials /p, b, m/ do not occur word-finally in Sediq dialects, Palŋawan, Bɬala?, Mstbaun, and younger speakers of Skikun and Mnawyan. In fact, /-b/ is retained only in Mayrinax and Mabatu?an. The dental stops /t, d/ do not occur

word-finally in Sediq dialects. /t/ does not appear word-finally in Skikun, Mnawyan or Palṇawan, nor before /i/ or /y/ in Squliq, Skikun or Mnawyan. /d/ appears only word-initially and medially in Sediq.

/g/ occurs word-finally in Mayrinax, Mabatuan, Matabalay, Truwan and Inago, but not in the other dialects.

/z/ may not occur word-finally in Squliq, Maspazi? or Matabalay.

/r/ may not occur word-finally in Squliq. It appears word-finally in a few forms in all Culi? dialects except Palṇawan, in which it appears rather frequently.

/x/ does not occur word-initially in most dialects. It occurs word-initially only rarely in a few Atayal dialects, e. g. /xuxu?/ 'breasts' in Mayrinax, /xuyil/ 'dog' in Mayrinax, Matabalay and Sakuxan, and /xiluy/ 'iron' in all the Sediq dialects included in this study.

The diphthongs /ay, aw/ may not occur in non-final syllables in all dialects except Maspazi?, Mayrinax, Matabalay and Sakuxan.

1.5 Morphophonemic Alternations

The Atayalic dialects share the following morphophonemic alternations (see Li 1980a: 385-87):

- (1) b~p in all Atayal dialects except Mayrinax and Palṇawan, and b~k in all Sediq dialects and Palṇawan. Both of these alternations are historically derived from Proto-Atayalic (PA) *b; see §2.6.
- (2) g~w in all Atayal dialects except Skikun, Mnawyan and Mayrinax, and in all Sediq dialects except Toda and Inago, historically derived from PA *g; see §2.8.
- (3) r~y in all Squliq dialects, r̃~y in Palṇawan alone, s~g in Matabalay alone and s~y in most Culi? dialects except Matabalay, Palṇawan, Skikun and Mnawyan. These four types of alternations are etymologically related and are derived from PA *-g' < PAN *-g'; see §2.9.
- (4) z~y in Squliq and Maspazi?, historically derived from PA *r < PAN *l; see §2.14.
- (5) t~c in all dialects for younger speakers: t → c/___ i in Squliq, Skikun

- and Mnawyan, and $t \longrightarrow c/___\#$ in Skikun, Mnawyan, Palḡawan, and all Sediq dialects, historically derived from PA *t; see §2. 2.
- (6) $d \sim c$ in all Sediq dialects, historically derived from PA *d; see §2. 7. See Yang 1976: 649–50 for examples in Toṅan.
- (7) $c \sim t$ in Mayrinax, $s \sim t$ in Matabalay, Sakuxan and Maspazi?, historically derived from PA *c < PAN *c; see §2. 10.
- (8) $l \sim n$ in all dialects for younger speakers, historically derived from PA *l < PAN *l.
- (9) $ay \sim e$ and $aw \sim o$ in Toṅan; see Yang 1976: 651–52.

In all these alternations, the first member /b, b, g, r, ṛ, s, s, z, t, d, c, s, l, ay, aw/ appears in word-medial position, i. e. in the stem-final followed by a suffix, whereas the second member /p, k, w, y, y, g, y, y, c, c, t, t, n, e, o/ appears in word-final position.

1. 6 Men's and Women's Speech in Mayrinax

Of all Formosan languages and dialects, Mayrinax is the only known dialect that shows certain well-defined differences between the speech of men and of women. In general, women's speech retains older lexical forms, whereas men's speech turns out to have innovative ones. Women's forms generally preserve CVCVC, a typical Austronesian word structure, whereas men's forms may have some type of suffix or infix added, the intervocalic consonant /g/ deleted, vowel /a/ or /i/ inserted, the final consonant or syllable replaced, an initial or medial consonant replaced, and so on. It is clear that the women's forms are archaic and basic while the corresponding men's forms are innovative and derived.

These differences are better preserved in the speech of older speakers. Younger speakers tend not to know the differences and mix them up in their speech.

Men and women share essentially the same vocabulary stock. Of the approximately 1,500 lexical items which I have collected, only about 80 items differ in form, but the men's form and the women's form for a particular item mostly shares the same root.

The majority of the men's forms in Mayrinax are the ones currently used in

the other Atayalic dialects, which do not distinguish between male and female speech. For example, the lexical forms in Skikun, which are mostly derived from the men's forms are cited side by side below for comparison. If the Skikun forms are not cognates or if they are derived from the women's forms, then the Maspazi? forms which are derived from the men's speech are given. It is interesting to note that various dialects may differ in adopting either the men's or women's forms. There is no way of predicting which form will be adopted by a certain dialect. Generally speaking, men's forms are adopted more widely than women's forms.⁶ Given below are some typical examples (see also Appendix I: List of Atayalic Cognates):

	<i>Women</i>	<i>Men</i>	<i>Skikun</i>	<i>Proto-forms</i>
1. 'fire'	hapuy	hapu-niq	pu-niq	PAN *hapuy ⁷
2. 'road'	raan	ran-iq	ryan-iq	PAN *d'alan
3. 'tattoo'	matas	matiq	matas	PFN *matas
4. 'dig'	k-um-ai?	k-um-ai-huw	k-m-e-huy	PAN *kali
5. 'raw'	mataq	mat-il-uq	mt-el-uq	PAN *ma(n)taq
6. 'drunk'	ma-busuk	bus-in-uk	m-s-in-uk	PAN *mabusuk
7. 'sit'	man-tahuuk	ma-thaw-na-k	tahu-na-k	
8. 'needle'	ragum	raum	rom	PAN *d'agum
9. 'hunt'	q-um-alup	q-um-alu-a-p	q-m-alup	PAN *qatup
10. 'mortar'	luhuŋ	luh-i-uŋ	{ luhuŋ (Sk) luh-i-uŋ(Ms)	PAN *læt'uŋ
11. 'weave'	t-um-inun	t-um-inuq	t-m-inun	PAN *tinun
12. 'gray hair'	quras	quri?	ʔi-quri?	PFN *quɖas
13. 'sew'	c-um-aqis	c-um-aʔiŋ	c-m-aqis	PAN *casiq

6. I worked with a 50 year-old male speaker of Paʔnakuali? (or Pakali?) 八卦 dialect, the dialect most closely related to Mayrinax, in 1980 and found, to my surprise, that he used mostly the female forms although he was aware of the fact that "old people make a distinction between men's and women's speech."

7. The proto-forms are cited from the following different sources: Wurm and Wilson 1975, Tsuchida 1976, as well as a few reconstructions of my own. Abbreviations are as follows: PAN, Proto-Austronesian; PHN, Proto-Hesperonesian (based on Tsuchida); PFN, Proto-Formosan (based on Tsuchida). I have left out all subscripts in Tsuchida's reconstructions and chosen to use mostly Dempwolff's symbols; see §3.

14. 'head louse'	kucu?	kuhiŋ	kuhiŋ	PAN *kucu
15. 'tooth'	gipun	giʔnux	{ pn-iq (Sk) gaʔa-nux (Ms)	PAN *[']ipən
16. 'wide'	gilahaŋ	ʔilahaŋ	glabaŋ	

A careful comparison between the men's and women's forms can help account for many unusual derivations, i. e. the morphological structure, in the Atayalic group. It is not known what functions these affixes have in the men's speech nor how they originated.⁸ It is interesting to observe that these affixes appear in a number of words in various Atayalic dialects, but not found in the proto-forms as reconstructed by Otto Dempwolff, Isidore Dyen, Otto Dahl, Robert Blust, etc. The following are a few examples of this phenomenon:

1. The suffix -nux:

PAN *batu > batu-nux 'stone' in Mayrinax and Palŋawan, btu-nux in Skikun and Mnawyan and Sediq, tu-nux in Squliq.

2. The infix -in-:

PFN *ɖakəs > rak-in-us 'camphor laurel' in Maspazi? and Sakuxan, k-n-us in Squliq, rk-n-as in Skikun and Mnawyan.

For a detailed account of the sex differences in the speech of Mayrinax, see Li 1980b.

8. After reading my paper (Li 1980b) on the differences in the speech of the two sexes, Otto Dahl (personal correspondence) offered a plausible explanation:

"The men's forms look like artificially changed word-forms. One could think of a sort of secret language as its origin. Here in Norway children sometimes use such deviations in order to have a secret language understood only by the 'initiated.' Is it possible that the origin in Atayal was such a secret language among men, not to be understood by women? But after having been used for a long time, such a secret language became understandable to the non-initiated also. And in the long run it became the ordinary language, first of the men, and in many dialects thereafter also of the women, because of the higher social status of the men. But in Mayrinax the women have clung to their special and archaic forms.

This is only a guess as to what the truth may be, and is probably impossible to prove. But we can consider it a possibility which will make the Atayal development easier to understand."

Isidore Dyen (private conversation) also offered a similar explanation and pointed out the fact that some New Guinea languages also have some similar strange affixes as in Atayal.

2. Reconstruction of Proto-Atayalic Phonology

Six Atayal dialects: Squliq (represented by Pyasan), Maspazi?, Skikun/Mnawyan, Mayrinax, Matabalay and Paljawan, and four Sediq dialects: Tojan, Toda, Truwan and Inago are compared in this study.⁹

A certain cognate is reconstructed for Proto-Atayalic only if it appears in both Atayal and Sediq. A few cognates are reconstructed even though they appear only in a subgroup. That is because they are derived from earlier proto-forms such as Proto-Austronesian and Proto-Formosan (PFN). See Appendix I: List of Atayalic Cognates.

2.1 The correspondence of the voiceless bilabial stop / p- / series is regular prevocally across all the dialects in the Atayalic group:

		'lip'	'vulva'	'earwax'	'fire'	'lame'
Ata	Sq /p-/	prahum	pipi?	qpuri?	pu-niq	pika?
	Ms /p-/	parhum-an	pipi?	zapuri?	pu-ni?	ma-pika?
	SK /p-/	prahum	pipi?	qpuri?	pu-niq	pika?
	Mx /p-/	parahum	—	qapuri?	hapu-niq/hapuy ¹⁰	—
	Pl /p-/	parahun	pipi?	zapuri?	hapu-ni?	ma-pika?
Sed	Tn /p-/	pdahun	pipi?	qpudi?	pu-niq	m-pika?
	Td /p-/	pdahun	pipi?	qpudi?	pu-niq	m-pika?
	Tr /p-/	pdahun	pipi?	zpuji?	pu-niq	m-pika?
	In /p-/	pdahun	pipi?	qpuji?	pu-niq	m-pika?
PA	*p-	*padahum	*pipi?	*qapudi?	*hapuy	*ma-pika?

9. The following is a list of abbreviations of languages and dialects used in this article:

Ata	Atayal	Mx	Mayrinax	Sx	Sakuxan
In	Inago	Pl	Paljawan	Td	Toda
Mn	Mnawyan	Sed	Sediq	Tn	Tojan
Ms	Maspazi?	Sk	Skikun	Tr	Truwan
Mt	Matabalay	Sq	Squliq		

10. Mayrinax distinguishes between male and female forms for some lexical items. When male and female forms exist for a cognate, they are both listed in that order and separated by the sign "/". Generally the female forms are the older forms, whereas the male forms are the innovative ones adopted by most dialects; see §1.6 and Li 1980b.

Postvocalic (or word-final) /-p/ in Atayal (excluding Palṇawan)¹¹ corresponds to Sediq /-k/. There are only a few examples of this (doubtful cognates are given in parentheses):

		'blow'	'seed'	'sow'
Ata Sq	/-p/	mzyup	ghap	m-hap ¹²
Ms	/-p/	(yumup)	ga-gahap	g-m-hap
Sk	/-p/	miyup	ghap	g-m-hap
Mx	/-p/	ʔ-um-iyup	ga-ghap	g-um-hap
Pl	/-k/	(yumuk)	—	—
Sed Tn	/-k/	miyuk	(rehak)	(r-m-ehak)
Td	/-k/	miyuk	(rəhak)	(r-m-əhak)
Tr	/-k/	miyuk	gəhak	g-m-əhak
In	/-k/	miyuk	gəhak	g-m-əhak
PA	*-p	*ʔiyup	*gəhap	*g-um-əhap

The change -p>-k, rather than>-t, is natural because both /p/ and /k/ have the feature [+grave].¹³

2.2 The correspondence of the /t-/ series is regular before all vowels except /i/:

		'head'	'spine'	'seven'	'full'	'vomit'
Ata Sq	/t-/	tunux	qniʔ turuʔ	pituʔ	m-tɲiʔ	mutaq
Ms	/t-/	tunux	turuʔ	ma-pituʔ	ma-tɲiʔ	mutaʔ
Sk	/t-/	tunux	bqniʔ turuʔ	m-pituʔ	m-tɲiʔ	mutaq
Mx	/t-/	tunux	—	ma-pituʔ	ma-tɲiʔ	mutaq
Pl	/t-/	tunux	turuʔ	ma-pituʔ	ma-tɲiʔ	mutaʔ

11. Actually in Palṇawan, Bʔalaʔ and Mstbaun dialects of Atayal in the Sediq area, and in the speech of younger speakers in Skikun and Mnawyan, they have no forms ending with /-p/; see Li 1980: 382.

12. Loss of the initial consonant in Squliq occurs mostly with the active form (with -m- or m-), less frequently with the passive forms (with -an or -un) or the imperative (with -i); see Li 1980a: 363-68.

13. According to Jakobson and Halle (1956: 31), these "peripheral phonemes (velar and labial) have an ampler and less compartmented resonator than the corresponding medial phonemes (palatal and dental)," and acoustically they both have "concentration of energy in the lower frequencies of the spectrum."

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Sed	Tn	/t-/	tunux	tudu?	m-pitu?	m-teŋi?	mutaq
	Td	/t-/	tunux	tudu?	m-pitu?	m-təŋi?	—
	Tr	/t-/	tunux	tudu?	m-pitu?	m-təŋi?	—
	In	/t-/	tunux	tudu?	m-pitu?	m-teŋi?	—
PA		*t-	*tunux	*tudu?	*ma-pitu?	*ma-təŋi?	*mutaq

Note that /qni?/ in Sq and /bqni?/ in Sk above mean ‘bone.’

Before *i or *y, *t- has become /c-/ in Squliq, Skikun, Truwan and Inago:

			‘crow’	‘excrement’	‘knife’	‘fart’	‘knock’
Ata	Sq	/c-/	cyaquŋ	quci?	—	t-quci?	t-m-uciŋ
	Ms	/t-/	—	ʔuti?	putiŋ	ta-ʔuti?	t-m-utiŋ
	Sk	/c-/	cyaquŋ	quci?	—	—	t-m-uciŋ
	Mx	/t-/	—	quti?	—	tigi-quti?	t-um-utiŋ
	Pl	/t-/	teʔuŋ	ʔuti?	putiŋ	ti-ʔuti?	t-um-utiŋ
Sed	Tn	/t-/	tyaquŋ	quti?	—	t-quti?	t-m-utiŋ
	Td	/t-/	tyaquŋ	quti?	putiŋ	t-quti?	t-m-utiŋ
	Tr	/c-/	cyaʔuŋ	ʔuci?	puciŋ	t-ʔuci?	t-m-uciŋ
	In	/c-/	cyaquŋ	quci?	puciŋ	quci?	t-m-uciŋ
PA		*t-	*tyaquŋ	*quti?	*putiŋ	*ti-quti?	*t-um-utiŋ

In all dialects except Squliq, Mayrinax and Maspazi?, *-t has become /-c/ word-finally:

			‘fang’	‘side dish’	‘flying squirrel’	‘eight’	‘not exist’	
Ata	Sq	/-t/	waqit	ramat	yapit	spat	ʔuŋat	—
	Ms	/-t/	waʔit	ramat	yapit	ma-sapat	ʔuŋat	—
	Sk	/-c/	waqic	ramac	yapic	spac	—	ʔuka?
	Mx	/-t/	waqit	ramat	ʔapit ¹⁴	ma-spat	—	(ʔukas)
	Pl	/-c/	wa-waʔic	ra-ramac	rapic	ma-spac	ʔuŋac	—
Sed	Tn	/-c/	waqic	damac	rapic	m-m-sepac	—	ʔuka?
	Td	/-c/	waqic	damac	rapic	ma-səpac	—	ʔuka?
	Tr	/-c/	waʔic	damac	rapic	ma-səpac	ʔuŋac	—
	In	/-c/	waqic	damac	rapic	ma-səpac	ʔuŋac	—
PA		*-t	*waqit	*damat	*rapit	*ma-səpat	*ʔuŋat	*ʔuka?

14. PAN *l > PA *r > ʔ/#____a in Sahiyan; see §2.14 and note 21.

2.3 The correspondence of /k/ is uniform in all positions throughout the entire group:

		‘molar’	‘when’	‘year’	‘stink’	‘soft’
Ata Sq	/k/	karaŋ	knwan	kawas	sknux	m-hnuk
Ms	/k/	—	knuwan	—	—	m-hnuk
Sk	/k/	—	knwan	kawas	skunux	m-hnuk
Mx	/k/	—	kanuwan	—	—	ma-hnuk
Pl	/k/	—	kanwan	—	sakanux	ma-hnuk
Sed Tn	/k/	kadaŋ	knuwan	kawas	skenux	m-henuk
Td	/k/	kadaŋ	knuwan	kŋ-kawas	skənux	m-hənuk
Tr	/k/	kadaŋ	knuwan	kawas	skənux	m-hənuk
In	/k/	kadaŋ	knuwan	kawas	skənux	m-hənuk
PA	*k	*kadaŋ	*kanuwan	*kawas	*skənux	*ma-hənuk

However, in the 6 items below, Atayal /k/ corresponds to Sediq /q/ or /ʔ/.

		‘head louse’	‘see’	‘take care’
Ata Sq	/k/	kuhiŋ	m-ita? (kita?)	k-m-ahaŋ (kahaŋ)
Ms	/k/	kuhiŋ	k-um-ita?	m-lahaŋ (kalhaŋ-an)
Sk	/k/	kuhiŋ	kta-yux	m-lahaŋ (khləŋ-i)
Mx	/k/	kuhiŋ/kucu?	k-um-ita-al ¹⁵	ma-lahaŋ (kalhaŋ-an)
Pl	/k/	kuhiŋ	—	ma-lahaŋ (kləŋ-an) ‘seek’
Sed Tn	/q/	quhiŋ	m-ita? (qita?)	q-m-lahaŋ
Td	/q/	quhiŋ	q-m-ita?	q-m-lahaŋ
Tr	/ʔ/	ʔuhiŋ	ʔ-m-ita?	ʔ-m-lahaŋ
In	/q/	quhiŋ	q-m-ita?	q-m-lahaŋ
PA	*k	*kuhiŋ/*kucu?	*kita?	*kalahaŋ

15. The suffix -al < *-ral must have originated as the male form. Cf. muxa-al/mawxa? ‘sick.’ Unfortunately the anticipated female form *k-um-ita? ‘see’ has been lost in Mayrinax.

Reconstruction of Proto-Atayalic Phonology

		'fat'	'tree'	'bird'
Ata	Sq /q/	qt-huy	qho-niq	qh-niq
	Ms /k/	kt-huy	kahaw-ni?	kabha-ni?
	Sk /q/	qt-huy	qhu-niq	qh-niq
	Mx /k/	kit-huw	kahu-niq/kahuy	kabah-niq ¹⁶
	Pl /k/	katu-hur	kahu-ni?	kabah-ni?
Sed	Tn /q/	qte-hur	qhu-ni?	qbhe-ni?
	Td /q/	qtə-hur	qhu-ni?	qbhə-ni?
	Tr /ʔ/	ʔtə-hur	ʔhu-ni?	qbhə-ni?
	In /q/	qtə-hur	qhu-ni?	—
PA	*k	*kitə-hur	*kahu-niq/*kahuy	*kabah-niq

In the first 3 examples, /k-/ is retained as /k-/ in the Atayal dialects, but assimilated to the following /h/ or /ʔ/ as /q/ or /ʔ/ in the Sediq dialects. In fact, this assimilation may also take place in the Squliq dialects of Atayal and Skikun, which has been heavily influenced by Squliq, as in the last 3 examples above. In these forms the initial velar stop /k/ has been assimilated to the final uvular stop /q/ or to the following pharyngeal fricative /h/ in Squliq and Skikun; see Li 1980a:377.

The simple imperative forms of the verbs 'to see' and 'to take care' are given in parentheses above to illustrate the initial consonants of the verb roots.

2.4 PA *q has become /ʔ/ in Maspazi?, Matabalay and Sakuxan, and has become /ʔ/ in Truwan (Sediq), Bʔala? and Pakali? (both Atayal). Both /ʔ/ and /ʔ/ are found in the major subgroups of the entire group. The process of change may have been: *q > ʔ > ʔ, since in terms of the point of articulation the pharyngealized stop /ʔ/ is phonetically between the uvular stop /q/ and the glottal stop /ʔ/.

PA *q > ʔ > ʔ > ∅, as it was lost word-medially in Palɲawan.

The following correspondence appears in both prevocalic and postvocalic position (The symbol " " indicates syllable division in Palɲawan):

16. It is suspected that the suffix *-niq* > *ni?* has originated as the male form. Cf. the item 'tree.' Unfortunately the corresponding female form *kabah 'bird' has been lost in Mayrinax.

Reconstruction of Proto-Atayalic Phonology

		'water'	'child'	'face'	'mud'	'mouth'
Ata Sq	/q/	qsiya?	laqi?	rqi-ya-s	slaq	n-qwaq
Ms	/ʔ/	ʔasiya?	laʔi?	raʔi-ya-s	sla?	ŋa-ʔuwa?
Sk	/q/	qsiya?	laqi?	(r)qi-na-s	claq	n-qwaq
Mx	/q/	qusiya?	ʔulaqi?	raqi-na-s	claq	ŋa-quwaq
Pl	/ʔ, -ϕ-/	ʔuse?	ʔule?	ṛa'-ya-s	—	ŋa-'wa?
Sed Tn	/q/	qsiya?	laqi?	dqe-ra-s	—	quwaq
Td	/q/	qsiya?	laqi?	dqə-ra-s	cəlaq	quwaq
Tr	/ʔ/	ʔsiya?	laʔi?	dʔə-ra-s	səla?	ʔuwa?
In	/q/	qsiya?	laqi?	daqə-ra-s	səlaq	quwaq
PA	*q	*qusiya?	*ʔulaqi?	*daqis	*cəlaq	*ŋa-quwaq

Notice that the item 'face' contains the infix -na- or -ra- > -ya- with unknown function in various dialects. These forms must have originated with the male speakers; see Li 1980b. Unfortunately the corresponding female form has been lost in Mayrinax.

Like Squliq, the initial consonant in Skikun is often lost. Cf. the Mnawyan form /rqi-na-s/ 'face,' which still retains the initial.

Dissimilation may have taken place in the initial nasal of the forms for "mouth" in both Squliq and Skikun; see Li 1980a: 377.

The consonant /q/ or the syllable /qa/ seems to have been inexplicably lost in Sediq in the following items:

		'boat'	'village'	'wash clothes'	'shoulder'	'pestle'
Ata Sq	/q/	qasu?	qalan	mahuq	qhiyan	qsizu?
Ms	/ʔ/	ʔasu?	ʔalan	mahu?	—	ʔsuyu?
Sk	/q/	qasu?	qalan	mahuq	qhiyan	qsuyu?
Mx	/q/	—	qalan	ma-bahuq	—	qasuu?
Pl	/ʔ/	ʔasu?	ʔalan	ma-bahu?	—	ʔasu?
Sed Tn	ϕ	ʔasu?	ʔalan	mahu?	—	seru?
Td	ϕ	ʔasu?	ʔalan	mahu?	hiran	səru?
Tr	ϕ	ʔasu?	ʔalan	mahu?	hiran	səru?
In	ϕ	ʔasu?	ʔalan	mahu?	hiran	sʔəru?
PA	*q	*qasu?	*qalan	*ma-bahuq	*qhiran	*qasəru?

Note that in most dialects *b(a) has been lost immediately adjacent to the homorganic /m/ in the item 'wash clothes' above; see Li 1980a:364.

		'winter'	'sew'	'same'	'anteater'
Ata Sq	/q/	qmis-an	s-m-aqis	m-tnaq	qom
Ms	/ʔ/	ʔamis-an	s-m-aʔis	ma-tanaʔ	ʔagum
Sk	/q/	qmis-an	c-m-aqis	m-tnaq	q-qom
Mx	/q/	qamis-an	c-um-aqis	—	qaum/qagum
Pl	/ʔ/	—	c-um-ais	min-tanaʔ	ʔon
Sed Tn	ϕ	mis-an	(s-m-ais)	mn-tenaʔ	ʔaruŋ
Td	ϕ	mis-an	(s-m-ais)	mn-tənaʔ	ʔaruŋ
Tr	ϕ	mis-an	s-m-ais	mn-tənaʔ	ʔaruŋ
In	ϕ	mis-an	s-m-aʔis	mn-tənaʔ	ʔaruŋ
PA	*q	*qamis-an	*c-um-aqis	*ma-tənaq	*qagum

2.5 The glottal stop /ʔ/ is preserved in most dialects in most positions, although in some dialects it has been lost in medial position:

		'gray hair'	'hungry'	'dark'	'who'	'you (sg.)'
Ata Sq	/ʔ/	quriʔ	m-ʔuzay	mn-kum	ʔimaʔ	ʔisuʔ
Ms	/ʔ/	ʔuriʔ	—	mn-kuʔum	ʔimaʔ	ʔisuʔ
Sk	/ʔ/	ʔi-quriʔ	—	mn-kum	ʔimaʔ	ʔisuʔ
Mx	/ʔ/	quriʔ/quras	—	mana-kuʔum	ʔimaʔ	ʔisuʔ
Pl	/ʔ/	ʔuriʔ	ma-'uriy	miŋ-kuŋ	ʔimaʔ	ʔisuʔ
Sed Tn	/ʔ/	quriʔ	mu-ʔure	mn-kuʔuŋ	ʔimaʔ	ʔisuʔ
Td	/ʔ/	qudas	mu-ʔuray	mən-kuuŋ	ʔimaʔ	ʔisuʔ
Tr	/ʔ/	ʔujiʔ	mu-ʔuray	m-kuuŋ	ʔimaʔ	ʔisuʔ
In	/ʔ/	qujiʔ	mu-ʔuray	m-kuuŋ	ʔimaʔ	ʔisuʔ
PA	*ʔ	*qudiʔ/*qudas	*mu-ʔuray	*mana-kuʔum	*ʔimaʔ	*ʔisuʔ

The origin of PA *ʔ is not clear; it may have developed as a phonetic feature mostly in the word-initial and final position in the modern dialects.

2.6 The correspondence of /b/ is uniform in all dialects in the whole group. It occurs only in word-initial and medial position:

Reconstruction of Proto-Atayalic Phonology

		'cave'	'charcoal'	'stone'	'long time'	'above'
Ata	Sq /b/	bliŋ	bagah	btu-nux	bsiq	babaw
	Ms /b/	balin	bagah	—	bsiya?	babaw-i?
	Sk /b/	bliŋ	bagah	btu-nux	bsiyaq	babaw
	Mx /b/	ma-bliŋ	—	batu-nux ¹⁷	—	babaw-iq
	Pl /b/	bliŋ	—	batu-nux	buse?	baw-i?
Sed	Tn /b/	belin	bagah	btu-nux	bsiyaq	bobo
	Td /b/	bəlin	bawah	btu-nux	bsiyaq	babaw
	Tr /b/	bəlin	bagah	btu-nux	bsiya?	babaw
	In /b/	bəlin	bagah	btu-nux	busiyaq	babag
PA	*b	bəlin	*bagah	*batu-nux	*busiyaq	*babaw

In word-final position, only Mayrinax retains *-b as the voiced bilabial fricative [β]; it is devoiced as [p] in most of the other Atayal dialects and changed to [k] in all Sediq dialects and the Atayal dialects in the Sediq area, Palŋawan, B?ala? and Mstbaun. There are only a few examples of this correspondence:

		'suck'	'stab'	'share one cup'	'do magic'	'yawn'
Ata	Sq /-p/	shup	h-m-op	m-gop	h-m-gup	m-suyap
	Ms /-p/	pa-siyup	—	ma-gaup	h-am-agup	?am-suyap
	Sk /-p/	p-shup	h-m-ap	m-gop	h-m-op	m-suyap
	Mx /-b/	pa-sihub	h-um-ab	g-um-aub	h-um-gub	ma-suweg
	Pl /-k/	—	—	ma-ga-gok	h-um-uk	ma-surak
Sed	Tn /-k/	—	—	—	—	m-suwak
	Td /-k/	—	—	—	—	m-surak
	Tr /-k/	—	—	—	—	m-surak
	In /-k/	—	—	—	—	m-surak
PA	*-b					*ma-surab *ma-suwab

These are the verbs that should have ended with *-b in the proto-forms at least in the Proto-Atayal stage, but there is no evidence as yet that they all occurred in the stage of Proto-Atayalic. The problem in reconstructing some of these verbs is that the cognates do not appear in both Atayal and Sediq.

Note the variant PA forms *ma-suwab and *ma-surab for the verb 'to yawn.'

The Mayrinax form /ma-suweg/ 'yawn' needs some explanation. The semi-

17. The suffix -nux must have originated as the male form. Cf. lata-nux/lata? 'front yard,' tag-lata-nux/tgi-lata? 'outside.' Unfortunately the corresponding female form *batu? 'stone' has been lost in Mayrinax.

vowel /w/ may have been derived from *r (see §2.14) and the final consonant /g/ is probably the result of dissimilation from the labial *b, viz. PA *ma-surab > *ma-suwab > ma-suwig. In fact, I actually recorded the form /ma-suwab/ as based on an older speaker in Paʔnakualiʔ (八卦) and a 41-year woman named Laway Kagiʔ (Lung Yen-hsiang 龍艷香 in Chinese) in Mabatuʔan.

I have found only 6 items ending with /-b/ out of approximately 1,500 items in Mayrinax, 6 verbs with b~p alternation in other Atayal dialects and 3 verbs with b~k alternation in Sediq dialects; see Li 1981.

Sediq dialects and Paljawan have undergone the following changes: *-b > *-p > -k. The devoicing of the final stop is found in most Atayal dialects. There is internal evidence for the fact that Sediq and Paljawan have further undergone the change from labials to velars word-finally; see Yang 1976:647-49 and Li 1980a:382.

In addition to the first four verbs listed in the table above, Mayrinax has two nouns ending with /-b/, /ginabugab/ 'rice gruel,' /sabsab/ 'eaves.'

In Mabatuʔan, a dialect closely related to Mayrinax, also retains word-final /-b/ in the forms /pa-sihub/ 'suck', /h-um-ab/ 'stab'. However, /-b/ has been devoiced to become /-p/ in two other verbs, /g-um-aup/ 'share one cup,' /h-um-gop/ 'do magic,' as based on a 68-year-old man named Taliʔ Nabaw (Liu Cheng-yi 劉正義 in Chinese), with whom I worked in his village. Yet according to Shigeru Tsuchida (private conversation), who had worked with a 75-year-old man named Boyon Bawnay (Feng Yü-wen 馮玉文 in Chinese) from the same village, /-b/ is preserved in all these verbs.

In the dialects in which *-b has devoiced to become /-p/ or /-k/, all the verbs exhibit b~p or b~k alternations. See Li 1980a:358 for b~p alternation in Squliq, p. 386 for the same alternation in Skikun, Maspaziʔ (Cʔuliʔ) and Sakuxan, and p. 381 for b~k alternation in Skikun. Also see Yang 1976:648 for b~k alternation in Tojan (Paran).

In the dialect of Sakuxan, b~p alternation is retained only in the three verbs below:

/hagup, h-um-agup, hagab-i, hagab-an/ 'do magic'

/magaup, pagaub-i, p-in-agaub-an/ 'share one cup'

/pa-karip, karib-i, k-in-rib-an/ 'cut with scissors'

The alternation has been levelled out in the other verbs, such as

/pa-siyup, pasyup-i, p-in-syup-an/ 'suck.'

In fact, a 61-year-old man named Yupas Kagi? (Kao Tê-an 高德安 in Chinese) shows the free variants /karib-i/~ /karip-i/ for the verb 'to cut with scissors.' Since b~p alternation is not a productive rule, it seems natural for /b/ to become /p/ even in word-medial position in this verb in which *b originally appeared.

2.7 Sediq /d/ corresponds to Atayal /r/ preconsonantly and prevocally except before /i/ or /y/:

		'pygmy deer'	'horse'	'friend'	'beard'	'trap'
Ata	Sq /r/	para?	rme?	raŋi?	ɲurus	raŋay
	Ms /r/	para?	ramai?	raŋi?	ɲurus	raŋay
	Sk /r/	para?	m-rme?	raŋi?	ɲurus	raŋay
	Mx /r/	para?	ramai?	—	ɲa-ɲurus	raŋa
	Pl /r̄/	paŋa?	ŋamiy?	ŋaŋi?	ɲuŋus	—
Sed	Tn /d/	pada?	dmai?	daŋi?	ɲudus	—
	Td /d/	pada?	dmai?	daŋi?	ɲudus	daŋar
	Tr /d/	pada?	dmai?	daŋi?	ɲudus	daŋar
	In /d/	pada?	dmai?	daŋi?	ɲudus	daŋar
PA	*d	*pada?	*damai?	*daŋi?	*ɲudus	*daŋar

Before *i or *y, *d has become /j/ in the Truwan and Inago dialects of Sediq:

		'hornet'	'gray hair'	'earwax'	'day'	'cicada'
Ata	Sq /r-/	triyuŋ	quri?	qpuri?	riyax	—
	Ms /r-/	tariyuŋ	Ɂuri?	Ɂapuri?	riyax	riyay
	Sk /r-/	triyuŋ	Ɂi-quri?	qpuri?	riyax	—
	Mx /r-/	—	quri?/quras	qapuri?	(riɁax)	—
	Pl /r̄-/	ŋiuŋ	Ɂuŋi?	Ɂapuŋi?	ŋex	—
Sed	Tn /d-/	tdiyuŋ	qudi?	qpudi?	—	k-diye
	Td /d-/	tdiyuŋ	qudas	qpudi?	diyax	(k-diyac)
	Tr /j-/	tjiyuŋ	Ɂuji?	Ɂpuji?	jiyax	(k-jiyac)
	In /j-/	tjiyuŋ	quji?	qpui?	jiyax	(k-jiyac)
PA	*d	*tədiyuŋ	*qudi?/*qudas	*qapudi?	*diyax	*k-diyay

Atayal /r/ corresponding to Sediq /d/ does not occur word-finally. In fact, -d does not occur word-finally in any modern dialect.

Let us examine the following correspondence in the word-final position:

		'wing'	'mouse'	'leopard'	'ashes'
Ata Sq	/-ʔ/	paliʔ	qoliʔ	kliʔ	qbu-liʔ
Ms	/-t/	—	qawlit	yakalit	ʔabu-lit
Sk, Mn	/-ʔ/	paliʔ	qoliʔ	kliʔ	qbu-liʔ
Mx	/-ʔ/	paliʔ	qawlit	ʔakliʔ	qabu-liʔ
Mt, Sx	/-t/	pali-huy	ʔawlit	yakalit	ʔabu-lit
Pl	/-c/	—	ʔolic	yaklic	ʔabu-lic
Sed Tn	/-c/	palic	qolic	rkelic	qbu-lic
Td	/-c/	palic	qolic	rkəlic	qbu-lic
Tr	/-c/	palic	ʔolic	rkəlic	ʔbu-lic
In	/-c/	palic	qawlic	rakəlic	qabu-lic
PA	*-d	*palid	*qawlid	*rakəlid	*qabu-lid

In the above correspondence, only three Atayal dialects regularly end with /-t/, most other Atayal dialects end with /-ʔ/,¹⁸ and all the Sediq dialects end with /-c/. Are the final consonants /-t/, /-ʔ/ and /-c/ in modern dialects reflexes of an earlier *-d or *-c? The former is more likely because it seems more natural for a voiced stop to become a voiceless stop (*-d > -t) in the word-final position, than for an affricate to change to a stop (*-c > -t). Also the change of the dental stop *-d > -t, -ʔ or -c parallels that of the labial stop *-b > -p or -k in devoicing.

The correspondence of the /-c/ series in all Sediq dialects has only 3 possible origins, *-c, *-t or *-d. Based on an internal reconstruction, Sediq /d/ has been found to change to /c/ word-finally (Yang 1976: 649-50). By a comparative study, Sediq /d/ corresponds to Atayal /r/ word-initially and medially. However, except for Palnawan and a few non-cognate forms in other Cʔuliʔ dialects, Atayal /r/

18. Note that /-t/ in Mayrinax /qawlit/ is irregular.

rarely occurs word-finally; it generally becomes /y/ in that position in Squliq. The above correspondence could be reconstructed as the missing *-d. The derivation Proto-Hesperonesian *[tT]aNiu[DZ] > Proto-Atayal *taliud 'mulberry' provides supporting evidence for this hypothesis, and so does PAN *paṭiḍ > PA *palid 'wing.' Since we have PA *-b and *-g (see §2.8 below), the symmetric pattern of distribution will also allow us to reconstruct PA *-d for the correspondence ʔ-t-c as illustrated above. There is no reason to create a new phoneme for this particular correspondence.

It can be speculated that the changes *-d > -t > -ʔ have taken place in Squliq, Skikun, Mnawyan and Mayrinax, while the changes *-d > *-t > -c in Sediq and Paljawan.

2.8 Toda /w-/ corresponds to /g-/ in all the other dialects prevocally except in the environments of *a___a and *a___u:

		'root'	'loquat'	'cloth'	'scrub'	'navel'
Ata	Sq /g-/	gamil	gituʔ	galiq	k-m-ugus	pugaʔ
	Ms /g-/	gamil	—	galiʔ	k-m-ugus	—
	Sk /g-/	gamil	—	m-galiq	k-m-ugus	pugaʔ
	Mx /g-/	gamil	ʔituʔ	ma-galiq	k-um-ugus	pugaʔ
	Pl /g-/	gamil	gituʔ	galiʔ	—	—
Sed	Tn /g-/	gamil	gituʔ	galiq	k-m-ugus	pugaʔ
	Td /w-/	wamil	wituʔ	waliq	k-m-uus	puwaʔ
	Tr /g-/	gamil	gituʔ	galiʔ	k-m-ugus	pugaʔ
	In /g-/	gamil	gituʔ	galiq	k-mugus	pugaʔ
PA	*g-	*gamil	*gituʔ	*galiq	*k-um-ugus	*pugaʔ

For the irregular form /ʔituʔ/ in Mayrinax, see Note 27 on P. 287.

Note that *g is lost between identical /u/'s in Toda.

Between identical /a/'s, *-g- has changed to /r/ in the Sediq dialects:

Reconstruction of Proto-Atayalic Phonology

		'maple tree'	'crab'	'Alocasia' ¹⁹
Ata	Sq /-g-/	raga?	kagaŋ	bgayaw
	Ms /-g-/	raga?	kagaŋ	(bagaci?)
	Sk /-g-/	raa?	(kakaŋ)	bgayax
	Mx /-g-/	raa?/raga?	ka-kagaŋ	(bagati?)
	Mt /-g-/	raga-yuŋ	ka-kagaŋ	(bagati?)
	Pl /-g-/	raa?	ka-kagaŋ	bagayaw
Sed	Tn /-r-/	dara?	karaŋ	brayo
	Td /-r-/	dara?	k-ra-raŋ	brayaw
	Tr /-r-/	dara?	k-karaŋ	brayaw
	In /-r-/	dara?	(k-m-araŋ)	brayag
PA	*-g-	*daga?	*kagaŋ	*bagayag

The word-medial *-g- is lost between *a__u and *a__i in many Atayal dialects, but always preserved in the female forms of speech in Mayrinax:

		'anteater'	'needle'	'do magic'	'beans'	'loom'
Ata	Sq -φ-	qom	rom	h-m-gup	qeraŋ	qoŋu?
	Ms -(g)-	ʔagum	raum	h-am-agup	ʔagiraŋ	ʔaguŋu?
	Sk -φ-	q-qom	rom	h-m-op	qeraŋ	qoŋu?
	Mx -φ/g-	qaum/qagum	raum/ragum	h-um-gub	qagiraŋ	qaguŋu?
	Mt -φ-	ʔaum	raum	h-um-agop	ʔagiraŋ	ʔaguŋu?
	Pl -φ-	ʔoŋ	roŋ	h-um-uk	ʔeŋaŋ	ʔaguŋu?
Sed	Tn /-r-/	ʔaruŋ	—	—	—	—
	Td /-r-/	ʔaruŋ	—	—	—	—
	Tr /-r-/	ʔaruŋ	—	—	—	—
	In /-r-/	ʔaruŋ	—	—	—	—
PA	*-g-	*qagum	*dagum			

In the postvocalic position, *g is preserved as /g/ after *i in only Matabalay, Inago and Truwan:

		'sand'
Ata	Sq /-y/	bnaqiy
	Ms /-y/	bana?iy
	Sk, Mn /-y/	bnaqiy
	Mx /-y/	bunaqiy
	Mt /-g/	buna?ig
	Pl /-y/	buna'iy

19. The forms in most dialects in the Cʔuli? subgroup take the suffix -ti? or -ci?. It is suspected that these originated as the male forms. Unfortunately the corresponding female form is missing in Mayrinax.

ed	Tn /-y/	bnaquy
	Td /-ʔ/	bnaqiʔ
	Tr /-g/	bnaʔig
	In /-g/	bnaqig
PA	*-g	*bunaqig

There might be a metathesis *-ig > *-iw > -uy or simply *-ig > -uy in Torjan.

Only one cognate has been identified for this correspondence.

After *u, PA *-g is retained as /-g/ in two Atayal dialects (Matabalay and Mayrinax) and two Sediq dialects (Truwan and Inago), devoiced to become /-x/ in Skikun and Mnawyan, has become /-ʔ/ in Toda, and has changed to /-w/ in most other dialects. Some older speakers of Mayrinax still preserve /-g/ [-ɣ], although all younger speakers have changed it to -w:

		'Jew's harp'	'necklace, string'	'thread a needle'
Ata	Sq /-w/	lubuw	sniyuw	m-uhuw
	Ms /-w/	lubuw	(samiyuw)	l-m-uhuw
	Sk, Mn /-x/	lubux	sniyux	l-m-uhux
	Mx /-g/	lubug	siniyug	l-um-hug
	Mt /-g/	lubug	siniyug	l-um-uhug
	Pl /-w/	lubuw	sinyuw	l-um-uhuw
Sed	Tn /-w/	(tubuw)	sniruw	l-m-ihuw
	Td /-ʔ/	lubuʔ	sniruʔ	l-m-ihuʔ
	Tr /-g/	lubug	snirug	l-m-ihug
	In /-g/	lubug	—	l-um-ihug
PA	*-g	*lubug	*sinirug	*l-um-ihug *l-um-uhug

After *a, PA *-g is retained as the voiced velar fricative /g/ [-ɣ] in Mayrinax, Matabalay and Inago, and as the voiceless velar fricative /-x/ in Skikun and Mnawyan; in all the other dialects it has changed to /-w/:

Reconstruction of Proto-Atayalic Phonology

		'side'	'Alocasia'
Ata Sq	/-w/	siyaw	bgayaw
Ms	/-w/	siyaw	(bagaci?)
Sk, Mn	/-x/	siyax	bgayax
Mx	/-g/	siyag	(bagati?)
Mt	/-g/	siyag	(bagati?)
Pl	/-w/	syaw	bagayaw
Sed Tn	-ϕ	siyo	brayo
Td	/-w/	siyaw	brayaw
Tr	/-w/	siyaw	brayaw
In	/-g/	siyag	brayag
PA	*-g	*siyag	*bagayag

2. 9 Between i__a (except 'yesterday'), Atayal /-r-/ , /-r̄-/ , or /-s-/ corresponds to Sediq /-y-/:

		'how many'	'a little later'	'reed of loom'
Ata Sq	/-r-/	pira?	kira?	(bzira?)
Ms	/-s-/	pisa?	kisa?	bagisa?
Sk	/-s-/	pisa?	kisa?	bgisa?
Mx	/-s-/	(piya?) ²⁰	kisa?	bagisa?
Mt	/-s-/	pisa?	kisa?	bagisa?
Pl	/-r̄-/	pīra?	kīra?	bagīra?
Sed Tn	/-y-/	piya?	kiya?	bgiya?
Td	/-y-/	piya?	kiya?	bwiya?
Tr	/-y-/	piya?	kiya?	bgiya?
In	/-y-/	piya?	kiya?	bgiya?
PA	*-g'-	*pig'a?	*kig'a?	*bagig'a?

Atayal /-r-/ or /-s-/ corresponds to Sediq /-g-/ or /-w-/ between other vowels:

20. The Mayrinax form may have been borrowed from Sediq.

Reconstruction of Proto-Atayalic Phonology

		'yesterday'	'Buy!'	'Peel hemp!'	'nine'	'woman's basket'
Ata Sq	/-r-/	hira?	bir-i	kgir-i	qiru?	kiri?
Ms	/-s-/	su-hisa?	bais-ani	k-in-gis-an	ma-ʔisu?	(takil)
			'Sell!'	'passive'		
Sk	/-s-/	c-hisa?	bes-i	kgis-i	m-qisu?	kagisi?
Mx	/-s-/	cu-hisa?	baynay/ baay	kumkagis-i	ma-ma-qisu?	kagisi?
Mt	/-s-/	su-hisa?	binas-ay	kumakagis-i	ma-ma-ʔisu?	kagisi?
Pl	/-r-/	hiŋa?	binaŋ-i	kagiŋ-i	ma-ʔiŋu?	kagiŋi?
Sed Tn	/-g-/	ciga?	brig-i			
Td	/-w-/	c-hiwa?	briw-i			
Tr	/-g-/	s-higa?				
In	/-g-/	sigā?	brig-i			
PA	*g'-	*cu-hig'a?	*barig'-i			

Word-final *-g' is retained as /-g/ in Matabalay and Taroko dialects (Truwan and Inago), has changed to /-s/ in Skikun and Mnawyan, and has changed to /-y/ in most other dialects:

		'hemp'	'buy'	'lie on one's side'
Ata Sq	/-y/	kgiy	maziŋ	—
Ms	/-y/	kagiy	ma-baziŋ	(ma-t-ka-kiil)
Sk	/-s/	kgis	m-bes	m-t-k-kis
Mx	/-y/	kgiy	ma-baay	(ma-s-ki-ka-kil)
Mt	/-g/	kagig	ma-bazig	(ma-si-ka-kil)
Pl	/-y/	kuŋ-kagiy	miniŋ	ma-s-ka-kiy
Sed Tn	/-y/	keguy	maruy	
Td	/-ʔ/	kəri?	mari?	
Tr	/-g/	kərig	marig	
In	/-g/	kərig	marig	s-kiig
PA	*-g'	*kəgig'	*ma-barig'	*ma-si-ka-kig'

No example has been found in word-initial position of *-g'. The same restriction appears in both Proto-Atayalic and Proto-Austronesian.

2.10 In prevocalic position, Skikun, Mayrinax, Palnawan, Tonjan and Toda /c/ corresponds to /s/ in all the other Atayal and Sediq dialects. The development from *c to /s/ in Squliq, Maspazi?, Truwan and Inago must have occurred independently after the split of Atayal and Sediq:

		'middle'	'mud'	'answer'	'viscera, heart'	'shoot'
Ata	Sq /s/	ska?	slaq	s-m-yuk	qsahuy	—
	Ms /s/	saka?	sala?	s-um-iyuk	ʔasahuy	s-m-abu?
	Sk /c/	cka?	claq	c-m-yuk	—	—
	Mx /c/	ma-cka-cka?	claq	c-um-iyuk	qacahuw	c-um-bu?
	Pl /c/	ca-cka?	—	c-um-yuk	ʔacahur	c-um-bu?
Sed	Tn /c/	ck-ceka?	—	c-m-iyuk	qcahur	c-m-ebu?
	Td /c/	cəka?	cəlaq	c-m-iyuk	qcahur	c-m-əbu?
	Tr /s/	səka?	səla?	s-m-iyuk	ʔsahur	s-m-əbu?
	In /s/	səka?	səlaq	s-m-iyuk	qsahur	s-əm-bu?
PA	*c	*cəka?	*cəlaq	*c-um-iyuk	*qacahur	*c-um-əbu?

There are only a few suspicious cognates that seem to indicate Proto-Atayalic *-c, as in the example below (cf. *-d in §2.7):

		'stick'	'vein'
Ata	Sq /-ʔ/	hoku?	ʔugiq
	Ms /-ʔ/	hawku?	ʔugil
	Sk /-ʔ/	hoku?	ʔugiq
	Mx /-ʔ/	hawku?	ʔugiq
	Pl /-ʔ/	huku?	ʔugil
Sed	Tn /-c/	hukuc	ʔurac
	Td /-c/	hukuc	ʔurac
	Tr /-c/	hukuc	ʔurac
	In /-c/	hukuc	ʔurac
PA		*-c(?) *hawkuc (?)	*ʔugac (?)

However, let us examine the following cognates in Atayal:

		'ask'	'bite'	'flow'	rob'	'cut'
Ata	Sq /-t/	maqut	k-m-at	(m-qlui?)	s-m-iŋat	k-m-ut
	Ms /-t/	maʔut	k-am-aat	ma-ʔaluit	y-am-iŋat	k-m-ut
	Sk /-c/	—	k-m-ac	—	miŋac	k-m-uc
	Mx /-t/	maqut	k-um-aat	ma-qaluit	ʔ-um-iŋat	k-um-ut
	Pl /-c/	—	k-um-ac	mulic		k-um-uc
Sed	Tn /-c/		—	(qluli?)		k-m-eruc
	Td /-c/		—	(qluluy)		k-m-əruc
	Tr /-c/		—	(ʔluli?)		k-m-əruc
	In /-c/		—	(qluli?)		k-m-əruc
PA	*-c(?)		*kagac	*qaluic		*k-um-əguc
PAN			*kaʔac			*kaʔəc

As based on internal evidence, *-c has become /-t/ or /-c/ in the conservative Atayal dialects (see Li 1980a: 383-84):

Mayrinax: c → t/___#

Stem	Active	Passive	Imperative	
paqut	maqut	paquc-an	paquc-i	'ask'
kaat	k-um-aat	kaac-un		'bite'
qaluit	q-um-aluit	qaluic-un		'flow'
ʔiŋat	ʔ-um-iŋat	ʔiŋac-un		'rob'

Maspaziʔ, Matabalay & Sakuxan: s (<*c) → t/___#

paʔut	maʔut	paʔus-an	paʔus-i	'ask'
kaat	{k-um-aat k-am-aat	{k-in-aas-an kaas-un	kaas-i	'bite'
	ma-ʔaluit	pa-ʔaluis-un	pa-ʔaluis-i	'flow'
	y-am-iŋat		yaŋas-i	'rob'

The original morphophonemic alternations c ~ t (c → t/___#) and s ~ t (s → t/___#) have been leveled out by analogical change in the more innovative Atayal dialects, such as Squliq and Skikun:

Reconstruction of Proto-Atayalic Phonology

Squliq:

<i>Stem</i>	<i>Active</i>	<i>Passive</i>	<i>Imperative</i>	
paqut	maqut	pqut-an	pquc-i	'ask'
kat	k-m-at	kat-un	kac-i	'bite'
qluiʔ	m-qluiʔ	qliuʔ-an	qliuʔ-i	'flow'
sq̣at	s-m-iq̣at	sq̣at-an	sq̣ac-i	'rob'

Skikun:

kac	k-m-ac	kat-un	kac-i	'bite'
	miq̣ac	q̣at-an	q̣ac-i	'rob'

It is noteworthy that the word-medial *-c- has changed to -t- in some forms in Squliq and Skikun, but to -ʔ- in the item 'flow' in Squliq.

Perhaps Palɲawan is the only dialect that retains *c as /c/ in all positions, as in:

kac	k-um-ac	kac-un		'bite'
ʔulic	mulic		ʔulic-i	'flow'

The sound correspondence (-t~-c in word-final position) for the posited *-c is exactly the same as that of *-t (see §2.2). Unfortunately there are few good solid cognates that appear in both Atayal and Sediq dialects. It is, therefore, difficult to determine whether *-t and *-c were merged or separate in Proto-Atayalic, although they must have been separate in Pre-Atayalic.

2.11 The correspondence /s/ is regular in all positions in all dialects:

		'beard'	'twenty'	'you (sg.)'	'clothes'	'side'
Ata	Sq /s/	ɲurus	pusal	ʔisuʔ	lukus	siyaw
	Ms /s/	ɲurus	ma-pusal	ʔisuʔ	lukus	siyaw
	Sk /s/	ɲurus	pusal	ʔisuʔ	lukus	siyax
	Mx /s/	ɲa-ɲurus	ma-pusal	ʔisuʔ	—	siyag
	Pl /s/	ɲuʔus	ma-pusal	ʔisuʔ	lukus	syaw
Sed	Tn /s/	ɲudus	m-pusal	ʔisuʔ	lukus	siyo
	Td /s/	ɲudus	m-pusal	ʔisuʔ	lukus	siyaw
	Tr /s/	ɲudus	m-pusal	ʔisuʔ	lukus	siyaw
	In /s/	ɲudus	m-pusal	ʔisuʔ	lukus	siyaw
PA	*s	*ɲudus	*ma-pusal	*ʔisuʔ	*lukus	*siyag

2.12 The correspondence /x/ in all dialects can be reconstructed as *x:

		'head'	'stink'	'black'	'day after tomorrow'
Ata	Sq /x/	tunux	sknux	qalux	kaxa?
	Ms /x/	tunux	—	(ma-kalux)	ma-kaxa?
	Sk /x/	tunux	skunux	—	(m-kaga?)
	Mx /x/	tunux	—	—	ma-kaxa?
	Pl /x/	tunux	sakanux	(ma-kalux)	ma-kaxa?
Sed	Tn /x/	tunux	skenux	qalux	m-kaxa?
	Td /x/	tunux	skənux	m-qalux	m-kaxa?
	Tr /x/	tunux	skənux	m-ʔalux	m-kaxa?
	In /x/	tunux	skənux	m-qalux	ŋ-kaxa?
PA	*x	*tunux	*skənux	*ma-qalux	*ma-kaxa?

No example of the correspondence has been found in initial position, as /x/ does not occur word-initially in the Atayal dialects except for /xuxu?/ 'breasts,' /xuyil/ 'dog' in Mayrinax, and in Skikun, whose [x-] was originally derived from [ʃ-].

The origin of /x/ in the Atayalic group is unknown.

2.13 The correspondence /h/ is found in all position in all dialects:

		'saliva'	'flesh'	'soft'	'to warm, roast'	'flower'
Ata	Sq /h/	halus	hi?	m-hnuk	malah	hpah
	Ms /h/	—	hii?	m-hnuk	malah	—
	Sk /h/	—	hii?	m-hnuk	malah	phpah
	Mx /h/	—	hihihihi?	ma-hnuk	malah	pahpah
	Pl /h/	—	hii?	ma-hnuk	malah	—
Sed	Tn /h/	(hlulas)	hii?	m-henuk	malah	phepah
	Td /h/	halus	hii?	m-hənuk	malah	phəpah
	Tr /h/	halus	hii?	m-hənuk	malah	phəpah
	In /h/	halus	hii?	m-hənuk	malah	phəpah
PA	*h	*halus	*hii?	*ma-hənuk	*malah	*pahəpah

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2. 14 /r/ in all Sediq dialects and Palnawan corresponds to /y/ or /w/²¹ in other Atayal dialects in all positions except before /i/ or between identical vowels:

		'cloud'	'bamboo basket'	'elder sibling'	'fall'	'fat'
Ata Sq	/y/	yulun	yawa?	qsuyan	m-takuy	qt-huy
Ms	/y/	yulun	yawa?	bazasuyan	ma-takuy	kt-huy
Sk	/y/	yulun	yawa?	qsuyan	m-takuy	qt-huy
Mx	/w/	—	wawa?	(qumisuwan)	ma-takuw	kit-huw
Pl	/r/	rulun	ra-rawa?	ʔasuran	ma-takur	katu-hur
Sed Tn	/r/	—	rawa?	qbsuran	m-takur	qte-hur
Td	/r/	rulun	rawa?	qbsuran	m-takur	qtə-hur
Tr	/r/	rulun	rawa?	ʔbsuran	m-takur	ʔtə-hur
In	/r/	rulun	rawa?	qbsuran	m-takur	qtə-hur
PA	*r	*rulun	*rawa?	*qəbəsuran	*ma-takur	*kitə-hur

Atayal *r became /z/ before /i/ in Squliq and Maspazi?, though not in Skikun or Mayrinax:

21. Mayrinax has two sub-dialects: Tabilas and Sahiyan, with minor differences. One phonetic difference is between Tabilas /w-/ and Sahiyan /ʔ-/ , both being derived from PA *r- before *a:

	<i>Tabilas</i>	<i>Sahiyan</i>	
	waŋri?	ʔaŋri?	'small fly'
	waŋaw	ʔaŋaw	'big fly'
	wahuw	ʔahug	'type of slippery fish'
	kli?	ʔakli?	'leopard'
Exceptions:	wawa?	wawa?	'bamboo basket'
	waqanux	waqanux	'deer'

Sahiyan may have borrowed the above two irregular forms from Tabilas since they are geographically very close to each other.

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		'wet'	'buy'	'return'	owl'	'hoe'
Ata	Sq /z/	m-huziq	maziḡ	m-zinah	ḡziziq	—
	Ms /z/	ma-huziʔ	ma-baziḡ	p-bazinah	—	pazih
	Sk /y/	m-huyiq	m-bes	m-binah	—	payih
				<m-byinah		
	Mx /w/	ma-huwiq	ma-baynay/ ma-baay	ma-bwinah	—	(payih)
	Pl /r/	ma-huriʔ	miniḡ	mu-bwinah	—	—
Sed	Tn /r/	m-huriq	maruḡ	m-rinah	ḡuriq	parih
	Td /r/	m-huriq	mariʔ	m-brinah	ḡuriq	parih
	Tr /r/	m-huriʔ	marig	m-brinah	—	parih
	In /r/	m-huriq	marig	m-brinah	—	parih
PA	*r	*ma-huriq	*ma-barig'	*ma-brinah	*ḡuriq	*parih

Between identical vowels and *ə__u, *r is lost in both Mayrinax and Paljawan. Furthermore in the latter, the long vowels are shortened.

		'many'	'left'	'cap'	'pestle'	'six'
Ata	Sq /z, y/	—	ʔzil	cyasiʔ	qsizuʔ	tizuʔ
	Ms /y/	ha-bayaw	(ʔaʔil)	(cyasiʔ)	ʔsuyuʔ	ma-tayuʔ
	Sk /y/	—	ʔiyil	(tyasiʔ)	qsuyuʔ	m-tuyuʔ
	Mx φ	ha-baag	ʔiil	taasiʔ	qasuʔ	ma-tuuʔ
	Pl φ	—	ʔil	(tarasiʔ)	ʔasuʔ	ma-tuʔ
Sed	Tn /r/	h-baro	ʔiril	trasiʔ	seruʔ	m-m-teruʔ
	Td /r/	h-baraw	ʔiril	trasiʔ	səruʔ	m-təruʔ
	Tr /r/	h-baraw	ʔiril	trasiʔ	səruʔ	m-təruʔ
	In /r/	h-barag	ʔiril	tarasiʔ	səʔəruʔ	m-təruʔ
PA	*r	*ha-barag	*ʔiril	*tarasiʔ	*qasəruʔ	*ma-təruʔ

2.15 The correspondence of /l/ is regular in all positions in all dialects:

		'child'	'call'	'twenty'	'money'	'fence'
Ata	Sq /l/	laqiʔ	m-lawaʔ	pusal	pilaʔ	—
	Ms /l/	laʔiʔ	ma-lawaʔ	ma-pusal	pilaʔ	ʔ-an-alaḡ
	Sk /l/	laqiʔ	m-lawaʔ	pusal	pilaʔ	q-n-alaḡ
	Mx /l/	ʔulaqiʔ	—	ma-pusal	pilaʔ	q-in-alaḡ
	Pl /l/	ʔuleʔ	ma-lawaʔ	ma-pusal	pilaʔ	ʔ-in-alaḡ
Sed	Tn /l/	laqiʔ	m-lawaʔ	m-pusal	pilaʔ	q-na-alaḡ
	Td /l/	laqiʔ	m-lawaʔ	m-pusal	pilaʔ	q-na-alaḡ
	Tr /l/	laʔiʔ	m-lawaʔ	m-pusal	pilaʔ	ʔ-n-alaḡ
	In /l/	laqiʔ	m-lawaʔ	m-pusal	pilaʔ	q-n-alaḡ
PA	*l	*ʔulaqiʔ	*ma-lawaʔ	*ma-pusal	*pilaʔ	*q-in-alaḡ

2. 16 The correspondence /n/ is also regular in all dialects:

			'where'	'when'	'daughter- in-law'	'not'	'weave'
Ata	Sq	/n/	ʔinuʔ	knwan	ʔinaʔ	ʔiniʔ	t-m-inun
	Ms	/n/	ʔinuʔ	knuwan	ʔinaʔ	ʔiniʔ	t-m-inun
	Sk	/n/	ʔinuʔ	knwan	ʔinaʔ	ʔiniʔ	t-m-inun
	Mx	/n/	ʔinuʔ	kanuwan	ʔinaʔ	ʔiniʔ	t-um-inuq/ t-um-inun
	Pl	/n/	ʔinuʔ	kanwan	ʔinaʔ	ʔiniʔ	t-um-inuʔ
Sed	Tn	/n/	ʔinuʔ	knuwan	ʔinaʔ	ʔiniʔ	t-m-inun
	Td	/n/	ʔinuʔ	knuwan	ʔinaʔ	ʔiniʔ	t-m-inun
	Tr	/n/	ʔinuʔ	knuwan	ʔinaʔ	ʔiniʔ	t-m-inun
	In	/n/	ʔinuʔ	knuwan	ʔinaʔ	ʔiniʔ	t-m-inun
PA		*n	*ʔinuʔ	*kanuwan	*ʔinaʔ	*ʔiniʔ	*t-um-inun

No example has been found to occur in initial position across the whole group.

2. 17 The correspondence of the /m/ series is regular in the prevocalic position in all dialects:

			'who'	'winter'	'old'	'bring'	'go'
Ata	Sq	/m-/	ʔimaʔ	qmis-an	smural	maras	musaʔ
	Ms	/m-/	ʔimaʔ	ʔamis-an	—	maras	musaʔ
	Sk	/m-/	ʔimaʔ	qmis-an	smural	(maray)	musaʔ
	Mx	/m-/	ʔimaʔ	qamis-an	—	maras	m-a-usaʔ
	Pl	/m-/	ʔimaʔ	—	—	maras	musaʔ
Sed	Tn	/m-/	ʔimaʔ	mis-an	—	madis	—
	Td	/m-/	ʔimaʔ	mis-an	smudal	madas	mosaʔ
	Tr	/m-/	ʔimaʔ	mis-an	smudal	madas	musaʔ
	In	/m-/	ʔimaʔ	mis-an	smudal	madas	musaʔ
PA		*m-	*ʔimaʔ	*qamis-an	*smudal	*madas	*musaʔ

Note the irregular change of the second vowel *a > i in Tojan.

In the postvocalic position, /-m/ in most Atayal dialects corresponds to /-ŋ/ in Palnawan and Sediq:

		‘lip’	‘dark’	‘pork’	‘taste’
Ata Sq	/-m/	prahum	mn-kum	syam	t-m-alam
Ms	/-m/	parhum-an	mn-kuʔum	siyam	t-m-alam
Sk	/-m/	prahum	mn-kum	syam	t-m-alam
Mx	/-m/	parahum	mana-kuʔum	siyam	t-um-alam
Pl	/-ŋ/	parahuŋ	miŋ-kuŋ	syauŋ	t-um-alaŋ
Sed Tn	/-ŋ/	pdahuŋ	mn-kuʔuŋ	siyauŋ	t-m-alaŋ
Td	/-ŋ/	pdahuŋ	mn-kuuŋ	siyauŋ	t-m-alaŋ
Tr	/-ŋ/	pdahuŋ	m-kuuŋ	siyauŋ	t-m-alaŋ
In	/-ŋ/	pdahuŋ	m-kuuŋ	siyauŋ	t-m-alaŋ
PA	*-m	*padahum	*mana-kuʔum	*siyam	*t-um-alam

The shift of the final labial nasal to velar parallels that of the final labial stops; see §2.1 and §2.6.

2.18 The correspondence of /ŋ/ occurs in all dialects in all positions:

		‘tail’	‘beard’	‘molar’	‘sticky’	‘think’
Ata Sq	/ŋ/	ŋuŋuʔ	ŋurus	karaŋ	t-rŋil	m-ŋluŋ
Ms	/ŋ/	—	ŋurus	—	—	l-m-ŋaluŋ
Sk	/ŋ/	ŋuŋuʔ	ŋurus	—	m-rŋil	m-ŋluŋ
Mx	/ŋ/	(ŋaʔŋuʔ)	ŋa-ŋurus	—	—	l-um-aŋluŋ
Pl	/ŋ/	ŋuŋuʔ	ŋuʔus	—	mu-ʔaŋil	luŋluŋ
Sed Tn	/ŋ/	ŋuŋuʔ	ŋudus	kadaŋ	(m-dəŋil)	lmŋelun
Td	/ŋ/	ŋuŋuʔ	ŋudus	kadaŋ	m-dəŋil	lmŋəlun
Tr	/ŋ/	ŋuŋuʔ	ŋudus	kadaŋ	m-dəŋil	lmŋəlun
In	/ŋ/	ŋuŋuʔ	ŋudus	kadaŋ	m-dəŋil	lmŋəlun
PA	*ŋ	*ŋuŋuʔ	*ŋudus	*kadaŋ	*dəŋil	*l-um-aŋəlun

2.19 The correspondence of /w/ (see also §2.25):

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		'honeybee'	'fang'	'thread'	'call'	'bamboo basket'
Ata	Sq /w/	walu?	waqit	wayay	m-lawa?	yawa?
	Ms /w/	—	wa?it	wayay	ma-lawa?	yawa?
	Sk /w/	—	waqic	wayay	m-lawa?	yawa?
	Mx /w/	—	waqit	wa'ay	—	wawa?
	Pl /w/	—	wa-wa'ic	wariy	ma-lawa?	ra-rawa?
Sed	Tn /w/	walu?	waqic	ware	m-lawa?	rawa?
	Td /w/	walu?	waqic	waray	m-lawa?	rawa?
	Tr /w/	walu?	wa?ic	waray	m-lawa?	rawa?
	In /w/	walu?	waqic	waray	m-lawa?	rawa?
PA	*w	*walu?	*waqit	*waray	*ma-lawa?	*rawa?

2. 20 The correspondence of /y/ is regular (see also §2. 26):

		'inland'	'thing'	'hang down'	'annoyed'
Ata	Sq /y/	k-rayay?	qaya?	s-p-qaya?	s-m-aqaya?
	Ms /y/	mak-rayay?	?ay-?aya?	—	s-m-a?aya?
	Sk /y/	rayay?	q-qaya?	—	—
	Mx /y/	maka-rayay?	—	—	—
	Pl /y/	re-tux	ya-'aya?	pa-'aya?	(s-m-?ay-'aya?)
Sed	Tn /y/	dayay?	(qyu-qeyay?)	q-m-eyay?	s-m-qeyay?
	Td /y/	dayay?	q-qiyay?	m-qiyay?	s-m-qiyay?
	Tr /y/	dayay?	?-?aya?	m-?aya?	s-m-?aya?
	In /y/	dayay?	qaya?	m-qaya?	s-m-qaya?
PA	*y	*dayay?	*qəyay?	*-qəyay?	*s-m-qəyay?

There is no example for this correspondence in word-initial position.

2. 21 The correspondence of /a/ is regular:

		'we (inc.)'	'inland'	'ragged'	'husked rice'	'to warm, roast'
Ata	Sq /a/	?ita?	k-rayay?	m-s-galiq	buwax	malah
	Ms /a/	?ita?	mak-rayay?	ma-gali?	buwax	malah
	Sk /a/	?ita?	rayay?	m-galiq	buwax	malah
	Mx /a/	?ita?	maka-rayay?	ma-galiq	buwax	malah
	Pl /a/	?ita?	re-tux	ma-gali?	box	malah
Sed	Tn /a/	?ita?	dayay?	m-s-galiq	buwax	malah
	Td /a/	?ita?	dayay?	m-waliq	buwax	malah
	Tr /a/	?ita?	dayay?	—	buwax	malah
	In /a/	?ita?	dayay?	—	buwax	malah
PA	*a	*?ita?	*dayay?	*ma-galiq	*buwax	*malah

2. 22 The correspondence of /i/:

		'friend'	'daughter- in-law'	'you (sg.)'	'where'	'dream'
Ata Sq	/i/	raŋi?	ʔina?	ʔisu?	ʔinu?	m-spi?
Ms	/i/	raŋi?	ʔina?	ʔisu?	ʔinu?	s-m-pi-yal
Sk	/i/	raŋi?	ʔina?	ʔisu?	ʔinu?	m-spi?
Mx	/i/	—	ʔina?	ʔisu?	ʔinu?	s-um-api-yal
Pl	/i/	raŋi?	ʔina?	ʔisu?	ʔinu?	ma-spi?
Sed Tn	/i/	daŋi?	ʔina?	ʔisu?	ʔinu?	m-sepi?
Td	/i/	daŋi?	ʔina?	ʔisu?	ʔinu?	m-səpi?
Tr	/i/	daŋi?	ʔina?	ʔisu?	ʔinu?	m-səpi?
In	/i/	daŋi?	ʔina?	ʔisu?	ʔinu?	m-səpi?
PA	*i	*daŋi?	*ʔina?	*ʔisu?	*ʔinu?	*səpi?

2. 23 The correspondence of /u/:

		'vomit'	'body louse' ²²	'drunk'	'heart'
Ata Sq	/u/	mutaq	sumiq	busuk	qsahuy
Ms	/u/	muta?	sumi?	ma-bs-in-uk	ʔasahuy
Sk	/u/	mutaq	lumi?	m-s-in-uk	—
Mx	/u/	mutaq	lumi?	mas-in-uk/ ma-busuk	qacahuw
Pl	/u/	muta?	lumi?	bas-n-uk-an	ʔacahur
Sed Tn	/u/	mutaq	cumi?	bsuk-an	qcahur
Td	/u/	—	cumi?	bsuk-an	qcahur
Tr	/u/	—	sumi?	bsuk-an	ʔsahur
In	/u/	—	sumi?	bsuk-an	qsahur
PA	*u	*mutaq	*cumi?	*ma-busuk	*qacahur

2. 24 The correspondence of /ə/ appears only in the penultimate syllable:

22. The development *c > l in Skikun, Mayrinax and Palawan took place sporadically when followed by a nasal. Cf. Proto-Formosan *cabu > PA *c-um-abu? > Sq /s-m-abu?/, Sk /c-m-abu?/, Mx and Pl /c-um-abu?/, Sediq /l-m-abu?/ 'wrap.' Also cf. PAN *cusuŋ > PA *l-um-uhug 'thread a needle,' PAN *caŋit' > PA *liŋis 'weep' (?).

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			‘flower’	‘seed’	‘edible fungus’	‘hole’	‘leopard’
Ata	Sq	ϕ	hpah	ghap	qluŋ	bliŋ	kliʔ
	Ms	/a/	—	ga-gahap	—	baŋ	yakalit
	Sk	ϕ	phpah	ghap	qluŋ	bliŋ	kliʔ
	Mx	ϕ	pahpah	ga-ghap	qa-qluŋ	ma-bliŋ	ʔakliʔ
	Pl	ϕ	—	—	—	bliŋ	yaklic
Sed	Tn	/e/	phepah	(rehak)	qeluŋ	beliŋ	rkelic
	Td	/ə/	phəpah	(rəhak)	qəluŋ	bəliŋ	rkəlic
	Tr	/ə/	phəpah	gəhak	—	bəliŋ	rkəlic
	In	/ə/	phəpah	gəhak	qəluŋ	bəliŋ	rakəlic
PA		*ə	*pahəpah	*gəhap	*qəluŋ	*bəliŋ	*rakəlid

In the final syllable, PAN *ə has become /u/ in all Atayalic dialects. For instance, verbs with the suffix *-ən indicating the Referential Focus has become /-un/, as in Sq /bir-un/, SK /bes-un/, Mx /binas-un/, Pl/binaŋ-un/, Td /briw-un/, In /brig-un/ 'to buy.' Also PAN *[']ipən > PA *gipun > Mx giʔ-nux/gipun 'tooth.'

2. 25 In non-final position, only Maspaziʔ and Mayrinax retain /aw/; in all the other dialects it has changed to /o/ in the penultimate syllable or final syllable ending with a true consonant, and is lost before the penultimate syllable:

		‘shrimp’	‘scythe’	‘men’s basket’	‘die’
Ata	Sq /o/	boluŋ	sokiʔ	token	m-hoqil
	Ms /aw/	bawluŋ	sawkiʔ	tawkan	ma-hawʔil
	Sk /o/	(moluŋ)	sokiʔ	token	mn-oqil
	Mx /aw/	—	sawkiʔ	tawkan	min-uqil/mna-huqil
	Pl /o/	ba-buluŋ	—	token	ma-hu’il
Sed	Tn /o/	boluŋ	—	token	m-huqil
	Td /o/	boluŋ	sokiʔ	token	m-huqil
	Tr /o/	boluŋ	sokiʔ	token	m-huʔil
	In /o/	k-boluŋ	sokiʔ	token	m-huqil
PA	*aw	*bawluŋ	*sawkiʔ	*tawkan	*mana-hawqil

In final position, it has changed to /-o/ [ɔ:] only in Toṇan; most other dialects retain /-aw/; only Inago shows /-ag/:

		'above'	'clean water'	'shade'	'cat'	'fly (insect)'
Ata	Sq /-aw/	babaw	m-tasaw	sasaw	ṇiyaw	ṇ-li?
	Ms /-aw/	babaw-i?	ma-tasi?	sasi?	ṇiyaw	yaṇaw
	Sk /-aw/	babaw	m-tasaw	c-sasaw	ṇiyaw	ṇ-li?
	Mx /-aw/	babaw-iq	ma-tasiq/ ma-tasaw	sasiq/sasaw	ṇiyaw	waṇaw
	Pl /-aw/	baw-i?	m-tasi?	sasi?	ṇaw	raṇa-lic
Sed	Tn /-o/	bobo	m-taso	saso	ṇiyo	raṇo
	Td /-aw/	babaw	m-tasaw	sasaw	ṇiyaw	raṇaw
	Tr /-aw/	babaw	m-tasaw	sasaw	ṇiyaw	raṇaw
	In /-ag/	babag	m-tasag	sasag	ṇiyag	raṇag
PA	*-aw	*babaw	*ma-tasaw	*sasaw	*ṇiyaw	*raṇaw

This correspondence contrasts with that of /-aw, -ax, -o, -ag/ in §2.8. Inago /-g/ in this correspondence was an innovation. See Li 1981 for further discussion.

2.26 In the word-final position, Toṇan /-e/ [ɛ:] corresponds to /-iy/ in Palṇawan and /-ay/ in all the other dialects:

		'hungry'	'hip/anus'	thread'	'monkey'
Ata	Sq /-ay/	m-ṇuzay	sulay	wayay	yunay
	Ms /-ay/	—	sulay	wayay	yunay
	Sk /-ay/	—	sulay	wayay	yunay
	Mx /-ay/	—	—	wa'ay	wunay
	Pl /-iy/	ma-ṇuriy	—	wariy	ruṇiy
Sed	Tn /-e/	mu-ṇure	—	ware	ruṇe
	Td /-ay/	mu-ṇuray	sulay	waray	ruṇay
	Tr /-ay/	mu-ṇuray	sulay	waray	ruṇay
	In /-ay/	mu-ṇuray	sulay	waray	ruṇay
PA	*-ay	*mu-ṇuray	*sulay	*waray	*ruṇay

In the non-final syllable, only Ms and Mx retain /ay/:

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		‘stab’
Ata Sq	/e/	—
Ms	/ay/	mayta?
Sk	/e/	—
Mx		—
Pl	/e/	meta?
Sed Tn	/e/	metaq
Td	/e/	metaq
Tr	/e/	meta?
In	/e/	metaq
PA	*ay	*maytaq

Only one cognate has been identified for the above correspondence. The regular change $ay > e$ in the non-final syllable is found in many lexical forms in both Squliq and Skikun.

In the non-word-final position, even in the final syllable ending with a true consonant, *ai is derived as /e/ in both Squliq and Skikun:

		‘younger sibling’	‘horse’
Ata Sq	/e/	s-sue?	rme?
Ms	/ai/	suwai?	ramai?
Sk	/e/	—	m-rme?
Mx	/ai/	suwai?	ramai?
Pl	/e/	suse?	fame?
Sed Tn	/ai/	swai?	dmai?
Td	/ai/	swai?	dmai?
Tr	/ai/	swai?	dmai?
In	/ai/	swai?	dmai?
PA	*ai	*suwai?	*damai?

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In sum, the Proto-Atayalic phonology can be reconstructed as below:

p	t		k	q	ʔ		
b	d	g'	g			i	u
		c				ə	
		s	x	h		a	
m	n		ŋ				
	l	r				aw, ay, uy	
w		y					

All consonants except *g', *x, *n and *y (which do not appear word-initially) occur in all positions, i. e. word-initially, medially and finally. No vowel occurs word-initially.

3. From Proto-Austronesian to Proto-Atayalic to Modern Atayal

In this study, the Proto-Austronesian symbols generally follow Otto Dempwolff (1934-38), but with the subsequently revised phonemic distinctions between *t₁ and *t₂, *n₁ and *n₂ originally proposed by Ogawa and Asai (1935:6-7), as well as the additions of *q and *s (*S in Dyen and Dahl). The symbols *t₁ and *n₁ are written as the plain *t and *n respectively, while the small *c instead of the capital *C as used by Dyen is to stand for *t₂, and *ɬ as used by Otto Dahl to stand for *n₂ instead of *N as used by Dyen. Dempwolff's *j and *v are written as *y and *w respectively, as originally suggested by Dyen. The small *h is adopted for *H, originally reconstructed by Dyen (Tsuchida's *H₁).

The following is the PAN system tentatively adopted for this study:

								i	u
p	t	ɬ	t'	c	k'	k	q	ə	
b	d	ɖ	d'		g'	g		a	
	s					ɣ	h		
m	n		n'			ŋ			
w			y						
	ɬ	l							

In the following derivations, modern Atayal is represented by Mayrinax, unless stated otherwise:

PAN		PA		Modern	PAN		PA		Modern
*p	>	*p	>	p	*pitu?	>	*ma-pitu?	>	ma-pitu? 'seven'
					*qaɭup	>	*qalup	>	q-um-aluap/q-um-alup 'hunt'
					*pag/ay	>	*pag/ay	>	Toda payay 'rice plant'
					*[']iyup	>	*miyup	>	?-um-iyup 'blow'
*t					*tuɭa	>	*tula-qig	>	tula-qiy 'eel'
*ɬ					*tuba	>	*tuba?	>	ta-tuba? 'fish poison'
					*kiɭa	>	*kita?	>	k-um-ita-al 'see'

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*k	>	*k	>	k	*kali	>	*kari?	>	k-um-ai-huw/k-um-ai?	'dig'
					*mabusuk	>	*mabusuk	>	bus-in-uk/ma-busuk	'drunk'
					*kaən	>	*kan-	>	kan-iq	'eat'
*q	>	*q	>	q	*qabu	>	qabu-lid	>	qabu-li?	'ashes'
					*-utaq	>	*mutaq	>	mutaq	'vomit'
					*quway	>	*quway	>	quwa-ni?	'rattan'
*b	>	*b	>	b	*batu	>	*batu-nux	>	batu-nux	'stone'
					*babuy	>	*babuy	>	Sediq babuy	'pig'
					*babaw	>	*babaw	>	babaw-iq	'above'
					*ma-suab	>	*ma-surab	>	ma-suwag	'yawn'
									*ma-suwab	
*d					*(dɔ̃)aqis ²³	>	*daqis	>	raqi-na-s	'face'
*ɖ					*ɖapaɭ	>	*ɖapal	>	Squliq rapal	'sole'
*d'					*ɖaya	>	daya?	>	maka-rayay?	'inland'
					*d'alan	>	*daran	>	ran-iq/raan	'road'
					*d'aɔ̃um	>	*dagum	>	raum/ragum	'needle'
					*wiɔ̃i	>	*qagum	>	qaum/qagum	'anteater'
					*kaɔ̃i	>	*kari?	>	kai?	'language'
					*kaɔ̃ac	>	*kagac	>	k-um-aat	'bite'
					*qaɔ̃um	>	*ɔ̃iri-l	>	Toṇan ɔ̃iri-l	'left'
					*baɔ̃ayaɔ̃	>	*bagayag	>	Palṇawan bagayaw	'Alocasia'
					*baɔ̃ah	>	*bagah	>	Squliq bagah	'charcoal'
					*bəlɪg'	>	*ma-barig'	>	ma-ba-yn-ay/ma-baay	'buy'
					*pig'a	>	*pig'a?	>	Skikun pisa?	'how many'
					*baɔ̃ig'a	>	*bagig'a?	>	bagisa?	'reed of the loom'
					*sag'ək	>	*sauk	>	s-um-auk	'smell'
*s	>	*s	>	s	*səpi	>	*səpi?	>	s-um-api-yal	'dream'
					*səpat	>	*səpat	>	sapa-a-t	'four'

Note the partial phonemic coalescence of PAN and PA *g' and *s in word-medial position.

<i>PAN</i>	<i>PA</i>	<i>Modern</i>	<i>PAN</i>	<i>PA</i>	<i>Modern</i>			
*c	*c	t/_#	*kəɔ̃əc	>	*k-um-əguc	>	k-um-ut	'cut'
		c	*kucu	>	*kucu?	>	kuhiŋ/kucu?	'head louse'
			*caliŋa	>	*caŋi(r)a? ²⁴	>	caŋia?	'ear'
		*l/_nasal	*cusuɔ̃	>	*l-um-uhug	>	l-um-hug	'thread a needle'

23. To have two symbols in parentheses in a reconstructed form indicates PAN doublets.

24. Note the metathesis of PAN *l and *ŋ in PA and the loss of PA *r.

*t'	>	*h	>	h	*bat'uq	>	*ma-bahuq	>	ma-bahuq	'wash clothes'
*h	>				*but'uɔ	>	*buhug	>	buh-in-ug	'bow'
					*ɬət'uŋ	>	*luhuŋ	>	luh-i-uŋ/luhuŋ	'mortar'
					*hapuy	>	*hapuy	>	hapu-niq/hapuy	'fire'
					*buhut	>	*buhut	>	bhut	'squirrel'
					*qumah	>	*qumah	>	Squliq m-qumah	'to weed'
*l	>	*l	>	l	*tuɬa	>	*tula-qig	>	tula-qiy	'eel'
*n'	>				*qaɬup	>	*qalup	>	q-um-aluap/q-um-alup	'hunt'
					*qan'ud	>	*qaluic	>	ma-qaluit	'flow'
					*qa(nn')itu	>	*qaliutux	>	Ms ʔaliutux	'ghost'
					*lima	>	*rimaʔ	>	ʔima-gal	'five'
*l	>	*r	>	ʔ/#_a φ/a__a w/else	*laŋaw	>	*raŋaw	>	ʔaŋaw	'fly'
					*d'alan	>	*daran	>	ran-iq/raan	'road'
					*bəlig'	>	*ma-barig'	>	ma-ba-yn-ay/ma-baay	'buy'
*w	>	*w	>	ʔ/#_i w/else	*wiɬi	>	*ʔiri-l	>	Tn ʔiri-l	'left'
					*waɬi	>	*wagi	>	wagiʔ	'sun'

Note that PA *r and *w are partially merged in Mayrinax.

*y	>	*y	>	y	*ɖaya	>	*ɖayaʔ	>	maka-ɖayaʔ	'inland'
*m	>	*m	>	m	*ma(n)taq	>	*mataq	>	mat-il-uq/mataq	'raw'
					*qumah	>	*ma-qumah	>	Sk m-qumah	'to weed'
*n	>	*n	>	n	*tinun	>	*tinun	>	t-um-inuq/t-um-inun	'weave'
					*[ʔ]ipən	>	*gipun	>	giʔ-nux/gipun	'tooth'
*ŋ	>	*ŋ	>	ŋ	*paŋdaɬ	>	*paŋdan	>	paŋran	'pineapple'
					*ciŋas	>	*ciŋas	>	Pl ciŋas	'food particles'
*a	>	*a	>	a	*laŋuy	>	*laŋuy	>	l-um-aŋuy	'swim'
					*casiq	>	*caqis	>	c-um-aqis	'sew'
*i	>	*i	>	i	*kita	>	*ʔitaʔ	>	ʔitaʔ	'we (inc.)'
					*qamis-an	>	*qamis-an	>	qamis-an	'winter'
					*inu	>	*ʔinuʔ	>	ʔinuʔ	'where'
*u	>	*u	>	u	*kucu	>	*kucuʔ	>	kuhiŋ/kucuʔ	'head louse'
					*i-su	>	*ʔisuʔ	>	ʔisuʔ	'you (sg.)'
*ə	>	*u	>	u	*təlu	>	*təruʔ	>	tuuʔ	'three'
		*ə	>	u	*bənaqi	>	*bunaqig	>	bunaqiy	'sand'
					*daɬəq	>	*daguq	>	rauq/ʔutiq	'earth'
*aw	>	*aw	>	aw	*laŋaw	>	*raŋaw	>	ʔaŋaw	'fly'
					*babaw	>	*babaw	>	babaw-iq	'above'
*ay	>	*ay	>	ay	*pag'ay	>	*pag'ay	>	Sq pagay	'rice plant'

Reconstruction of Proto-Atayalic Phonology

			*baʔay	>	*bəgay	>	In məgay 'give'
*uy	>	*uy	*laŋuy	>	laŋuy	>	l-um-aŋuy 'swim'
*iw	>	*uy	*kahi	>	*kahuy	>	kahu-niq/kahuy 'tree'
		>	uy				

There are exceptions to the above rules. Atayalic reflexes of PAN *k' and *g require further investigation.

One problem with Atayalic historical phonology is the appearance of an intervocalic consonant (usually /r/), or sometimes a final consonant (such as /g/) where there is nothing in other Austronesian languages, as in the examples below:²⁵

<i>Proto-other Austronesian</i>	<i>PA</i>	<i>Modern Atayal</i>
*ma-suab	*ma-surab	m-surap (Td) 'yawn'
*babaw	*babaraw	bbaraw (Td) 'high'
*siɬuq	*sinirug	{siniyug (Mx) 'string, necklace' silug (In)
*səpat	*səpat	pa-ra-t (Pl) 'four'
*bənaqi	*bunaqig	{bunaqiy (Mx) 'sand' bunaqig (Mt)

These irregular forms are probably the result of changes in Atayal male speech forms. Unfortunately the anticipated female regular forms have been lost in Mayrinax if they ever existed at all.

Some Atayalic forms still remain a puzzle today. Some can be explained as the result of innovations in male speech forms, but for some others there is no evidence of this sort. I suspect that many female forms have been lost in Mayrinax. For instance, we have got only the form /batunux/ 'stone' for both male and female speakers, but not the anticipated female form *batu?. Similarly, we have the following male forms, but not the anticipated female forms:

	<i>Existing Male Forms</i>	<i>Anticipated Female Forms</i>	
1. 'eel'	tula-qiy	*tula?	Cf. PAN *tula
2. 'ash'	qabu-li?	*qabu?	Cf. PAN *qabu
3. 'bow'	buh-in-ug	*buhug	Cf. PAN *but'uʔ

25. I owe Robert Blust a great deal for pointing out to me this most puzzling feature of Atayalic historical phonology.

4. 'face'	raqi-na-s	*raqis	Cf. PAN *(dɖ)aqis
5. 'five'	Ɂima-gal	*rimaʔ	Cf. PAN *lima, Sediq rimaʔ
6. 'dream'	s-um-api-al	*s-um-apiʔ	Cf. PAN *səpi, Sediq m-səpiʔ
7. 'see'	k-um-ita-al	*k-um-itaʔ	Cf. PAN *kiʦa, Ms k-um-itaʔ
8. 'rattan'	quwa-niʔ	*quway	Cf. PAN *quway

Conversely, we also find a few female forms, but not the anticipated male forms:

	<i>Anticipated Male Forms</i>	<i>Existing Female Forms</i>	
1. 'taro'	*cai-huw	caiʔ	Cf. Mt & Sx say-huy, Pl ce-hur, Sk ce-huy, Sq se-huy
2. 'camphor laurel'	*rak-in-us	rakus	Cf. Ms, Sx & Pl rak-in-us, Sq k-n-us, Sk & Mn rk-na-s
3. 'sweet potato'	*buŋa-hiʔ	buŋaʔ	Cf. Mt buŋa-hiʔ, Sq, Ms, Sk & Sx ŋa-hiʔ
4. 'tongue'	{*hma-liʔ *hma-quw	hmaʔ	Cf. Sq, Sk & Mn hma-liʔ, Pl hama-lic, Ms, Mt & Sx hama-ʔuy
5. 'sun'	*wagi-tux	wagiʔ	Cf. Mt wagi-tux, Ms & Sx wawi-tux

APPENDIX I. LIST OF ATAYALIC COGNATES

	<i>above</i>	<i>Alocasia</i>	<i>angry</i>	<i>annoyed</i>	<i>answer</i>
Ata Sq	babaw	bgayaw	—	s-m-aqayaʔ	s-m-yuk
Ms	babaw-iʔ	(bagaciʔ)	—	s-m-aʔayaʔ	s-um-iyuk
Sk	babaw	bgayax	msʔaŋ	—	c-m-yuk
Mx	babaw-iq	(bagatiʔ)	masʔaŋ	—	c-um-iyuk
Pl	baw-iʔ	bagayaw	masaʔaŋ	s-m-ʔay-ʔayaʔ 凌亂	c-um-yuk
Sed Tn	bobo	brayo	msean	s-m-qeyaʔ	c-m-iyuk
Td	babaw	brayaw	msaan	s-m-qiyaʔ	c-m-iyuk
Tr	babaw	brayaw	msaan	s-m-ʔayaʔ	s-m-iyuk
In	babag	brayag	msaan	s-m-qayaʔ	s-m-iyuk
PA	*babaw	*bagayag	*masəʔaŋ	*s-um-aqəyaʔ	*c-um-iyuk

Reconstruction of Proto-Atayalic Phonology

		<i>ant</i>	<i>ant-eater</i>	<i>ashes</i>	<i>bamboo</i>	<i>banana</i>
Ata	Sq	qtahi?	qom	qbu-li?	takan	buquh
	Ms	(katahi?)	ʔagum	ʔabu-lit	btakan	gaʔ-il-uh
	Sk	qtahi?	q-qom	qbu-li?	btakan	guquh
	Mx	qatahi?	qaum/qagum	qabu-li?	batakan	guq-il-uh/guquh
	Pl	—	ʔoŋ	ʔabu-lic	batakan	gaʔ-il-uh
Sed	Tn	qtahi?	ʔaruŋ	qbu-lic	btakan	blebul
	Td	—	ʔaruŋ	qbu-lic	btakan	bləbul
	Tr	ʔtahi?	ʔaruŋ	ʔbu-lic	btakan	bləbul
	In	qtahi?	ʔaruŋ	qabu-lic	btakan	bləbul
PA		*qatahi?	*qagum	*qabu-lid	*batakan	*bləbul

		<i>bamboo basket</i>	<i>man's basket</i>	<i>women's basket</i>	<i>winnowing basket</i>
Ata	Sq	yawa?	token	kiri?	luku?
	Ms	yawa?	tawkan	—	baluku?
	Sk	yawa?	token	kagisi?	bluku?
	Mx	wawa?	tawkan	kagisi?	baluhin/baluku?
	Pl	ra-rawa?	token	kagiri?	baluku?
Sed	Tn	rawa?	token	—	—
	Td	rawa?	token	—	bluhin
	Tr	rawa?	token	—	bluhin
	In	rawa?	token	—	bluku? 小, bluhin 大
PA		*rawa?	*tawkan	—	*baluhin/baluku?

		<i>beard</i>	<i>beautiful</i>	<i>bed</i>	<i>bedbug</i>	<i>belch</i>	<i>belly</i>
Ata	Sq	ŋurus	—	—	pitay	—	—
	Ms	ŋurus	baytunux	paga?	—	sbusuk	na-buwas
	Sk	ŋurus	betunux	pa?	pitay	(sbyacuk)	n-bwas
	Mx	ŋa-ŋurus	mag-batunux	paga?	—	sibacuk-an	na-buwas
	Pl	ŋuʔus	—	pa?	—	—	na-bos
Sed	Tn	ŋudus	m-btunux	paga?	—	sbsuk-un	n-buyas
	Td	ŋudus	m-btunux	pawa?	t-pitay	sb-ra-suk	m-buyas
	Tr	ŋudus	m-btunux	—	t-pitay	—	m-buyas
	In	ŋudus	m-btunux	—	—	—	n-buyas
PA		*ŋudus	*mag-baytunux	*paga?	*pitay	*sibacuk	*na-buyas

Reconstruction of Proto-Atayalic Phonology

		<i>belt</i>	<i>bird</i>	<i>bite</i>	<i>bitter, hot, sour</i>	<i>bitter</i>	<i>black</i>
Ata	Sq	habuk	qh-niq	k-m-at	m-nihuy 酸	q-m-upaŋ	qalux
	Ms	habuk	kabha-ni?	k-am-aat	ma-nihuy 酸	ʔ-am-apaŋ	(ma-kalux)
	Sk	habuk	qh-niq	k-m-ac	m-nihuy	q-m-upaŋ	—
	Mx	ha-hbuk	kabah-niq	k-um-aat	ma-nihuw 苦, 辣	q-um-upaŋ	—
	Pl	habuk	kabah-ni?	k-um-ac	ma-nihur 辣, 酸, 鹹	sa-'upaŋ	(ma-kalux)
Sed	Tn	(habik)	qbhe-ni?		m-nihur 辣	(pmepaŋ)	qalux
	Td	habuk	qbhə-ni?		m-nihur	(pəŋpaŋ)	m-qalux
	Tr	habuk	qbhə-ni?		m-nihur		m-ʔalux
	In	habuk	—		m-nihur	q-m-upaŋ	m-qalux
PA		*habuk	*kabah-niq	*k-um-agac	*ma-nihur *ma-nihur	*q-um-upaŋ	*ma-qalux
		<i>blood</i>	<i>blow</i>	<i>boat</i>	<i>bow</i>	<i>bowl</i>	<i>brain, marrow</i>
Ata	Sq	ramu?	mzyup	qasu?	—	pyatu?	luqus
	Ms	ramu-yux	(yumup)	ʔasu?	bah-in-u?	pyatu?	luʔus
	Sk	ramu?	miyup	qasu?	bh-en-ux	pyatu?	luqi?
	Mx	ramu-ux	ʔ-um-iyup	—	buh-in-ug	—	luqi?/luqus
	Pl	řamu-rux	(yumuk)	ʔasu?	bahu-ni?	—	—
Sed	Tn	dara?	miyuk	ʔasu?	bhe-naq	—	luqi?
	Td	dara?	miyuk	ʔasu?	bhə-niq	—	luqi?
	Tr	dara?	miyuk	ʔasu?	bhə-ni?	pratu?	luʔi?
	In	dara?	miyuk	ʔasu?	bah-niq	pratu?	luqi?
PA		*damu? *daga?	*ʔiyup	*qasu?	*buhug	*pratu?	*luqi?/luqus
		<i>breasts</i>		<i>bridge</i>	<i>bring</i>	<i>broil</i>	<i>bud</i> 含在口中之物
Ata	Sq	bubu?		—	maras	s-m-ayuk	mumul
	Ms	bubu?		—	maras	s-m-ayuk	—
	Sk	bubu?		—	(maray)	s-m-ayuk	mumul
	Mx	xuxu?		hakri?/ hakaw	maras	—	mumul
	Pl	bubu?		—	maras	s-um-aruk	mumul
Sed	Tn		nunuh	hako	(madis)	s-m-aruk	mk-mumul
	Td		nunuh	hakaw	madas	s-m-aruk	mk-mumul
	Tr		nunuh, ʔunuh	hakaw	madas	—	mk-mumul
	In		(ʔunuh)	hakag	madas	s-m-aruk	t-mumul
PA			*nunuh	*hakaw	*madas	*s-um-aruk	*mumul

Reconstruction of Proto-Atayalic Phonology

		<i>burn</i>	<i>buy</i>	<i>call</i>	<i>camphor laurel</i>	<i>cat</i>	
Ata	Sq	—	maziꝑ	m-lawaꝑ	k-n-us	ꝑiyaw	
	Ms	—	ma-baziꝑ	ma-lawaꝑ	rak-in-us	ꝑiyaw	
	Sk	l-m-om	m-bes	m-lawaꝑ	rk-n-as	ꝑiyaw	
	Mx	—	ma-ba-yn-ay/ma-baay	—	rakus	ꝑiyaw	
	Pl	l-m-onꝑ	miniꝑ	ma-lawaꝑ	rak-in-us	ꝑaw	
Sed	Tn	l-m-aunꝑ	maruy	m-lawaꝑ	(cakus)	ꝑiyo	
	Td	l-m-aunꝑ	mariꝑ	m-lawaꝑ	(cakus)	ꝑiyaw	
	Tr	l-m-aunꝑ	marig	m-lawaꝑ	(sakus)	ꝑiyaw	
	In	l-m-aunꝑ	marig	m-lawaꝑ	(sakus)	ꝑiyag	
PA		*l-um-aum	*ma-barigʼ	*ma-lawaꝑ	*dakus	*ꝑiyaw	
		<i>cave, hole</i>	<i>charcoal</i>	<i>chew</i>	<i>child</i>	<i>choose</i>	<i>cicada</i>
Ata	Sq	blinꝑ	bagah	s-m-kon	laꝑiꝑ	gmoyaw	—
	Ms	balinꝑ	bagah	pi-skan-iy	laꝑiꝑ	mwayaw	riꝑay
	Sk	blinꝑ	bagah	p-skan	laꝑiꝑ	moyax	—
	Mx	ma-blinꝑ 漏洞 (batah)		pi-skan-an	ꝑulaꝑiꝑ	mwaag	riꝑay
	Pl	blinꝑ	—	pi-skan-i	ꝑuleꝑ	gumoraw	—
Sed	Tn	belinꝑ	bagah	m-sekan	laꝑiꝑ	gmao	k-diye
	Td	bəlinꝑ	bawah	m-səkan	laꝑiꝑ	umaau	(k-diyac)
	Tr	bəlinꝑ	bagah	m-səkan	laꝑiꝑ	gmgaaw	(k-jiꝑac)
	In	bəlinꝑ	bagah	pa-skan	laꝑiꝑ	gmaꝑag	(k-jiꝑac)
PA		*bəlinꝑ	*bagah	*səkan	*ꝑulaꝑiꝑ		*k-diyay
		<i>clean</i>		<i>climb</i>	<i>close</i> ²⁶	<i>cloth</i>	<i>clothes</i>
Ata	Sq	m-tasaw		m-karaw	q-m-luꝑ	galiꝑ	lukus
	Ms	ma-tasiꝑ		ma-karaw	ꝑ-am-aluꝑ	galiꝑ	lukus
	Sk	m-tasaw		—	q-m-luꝑ	m-galiꝑ	lukus
	Mx	ma-tasiꝑ/ma-tasaw		—	q-um-luꝑ	ma-galiꝑ	—
	Pl	m-tasiꝑ		ꝑunꝑ-karaw	ꝑ-un-luꝑ	galiꝑ	lukus
Sed	Tn	m-taso		m-karo	meluk	galiꝑ	lukus
	Td	m-tasaw		—	məluk	waliꝑ	lukus
	Tr	m-tasaw		m-karaw	(məduk)	galiꝑ	lukus
	In	m-tasag		m-karaw	məduk	galiꝑ	lukus
PA		*ma-tasiꝑ/ma-tasaw		*ma-karaw	*qəlub, *qəluꝑ	*galiꝑ	*lukus

26. The reflexes of the Atayal dialects for PA are *-d, whereas the reflexes of the Sediq dialects are *-b. The Atayal dialects have gone one step further than Sediq in the sound change: *-b > *-d. However, the regular reflexes of the Atayal dialects for PA *-d are /-ʔ/ and /-t/, so there might have been inter-dialectal borrowing in Atayal.

Reconstruction of Proto-Atayalic Phonology

		<i>cloud</i>	<i>cold (thing)</i>	<i>cover</i>	<i>cow</i>	<i>crab</i>	<i>crow</i>	<i>cut</i>
Ata	Sq	yuluŋ	tl̥tu?	mumuk	—	kagaŋ	cyaquŋ	k-m-ut
	Ms	yuluŋ	tl̥atu?	—	rapa?	kagaŋ	—	k-m-ut
	Sk	yuluŋ	ltu?	mumuk	—	(kakaŋ)	cyaquŋ	k-m-uc
	Mx	—	tl̥a?tu?	?-um-umuk	—	ka-kagaŋ	(taquw)	k-um-ut
	Pl	ruluŋ	—	?-um-umuk	ṛa-ṛapa?	ka-kagaŋ	te?uŋ	k-um-uc
Sed	Tn	—	tleetu?	g-m-emuk	dapa?	karaŋ	tyaquŋ	k-m-eruc
	Td	ruluŋ	tl̥ətu?	mumuk	dapa?	k-ra-raŋ	tyaquŋ	k-m-əruc
	Tr	ruluŋ	tl̥ətu?	g-m-umuk	dapa?	k-karaŋ	cya?uŋ	k-m-əruc
	In	ruluŋ	leetu?	g-m-umuk	dapa?	(k-m-araŋ)	cyaquŋ	k-m-əruc
PA		*ruluŋ	*t̥əla?ətu?	*?-um-umuk *g-um-əmuk	*dapa?	*kagaŋ	*tyaquŋ	*k-um-əguc

		<i>dark</i>	<i>daughter-in-law</i>	<i>day</i>	<i>day after tomorrow</i>	<i>deer</i>	<i>deer, pygmy</i>
Ata	Sq	mn-kum	?ina?	riyax	kaxa?	qa-nux	para?
	Ms	mn-ku?um	?ina?	riyax	ma-kaxa?	wa?a-nux	para?
	Sk	mn-kum	?ina?	riyax	(m-kaga?)	qa-nux	para?
	Mx	mana-ku?um	?ina?	(ri?ax)	ma-kaxa?	waqa-nux	para?
	Pl	miŋ-kuŋ	?ina?	ṛex	ma-kaxa?	wa-nux	para?
Sed	Tn	mn-ku?uŋ	?ina?	—	m-kaxa?	rqe-nux	pada?
	Td	mn-kuuŋ	?ina?	diyax	m-kaxa?	rəqə-nux	pada?
	Tr	m-kuuŋ	?ina?	jiyax	m-kaxa?	rə?ə-nux	pada?
	In	m-kuuŋ	?ina?	jiyax	ŋ-kaxa?	raqə-nux	pada?
PA		*mana-ku?um	*?ina?	*diyax	*ma-kaxa?	*raqə-nux	*pada?

		<i>den, nest</i>	<i>die</i>	<i>dig</i>	<i>dream</i>	<i>drink</i>	<i>drip</i>
Ata	Sq	—	m-hoqil	k-m-e-huy	m-spi?	—	—
	Ms	libu?	ma-hawzil	k-am-ai-huy	s-m-pi-yal	—	—
	Sk	libu?	mn-oqil	k-m-e-huy	m-spi?	—	s-turiŋ
	Mx	libu?	min-uqil/ mna-huqil	k-um-ai-huw/ k-um-ai?	s-um-api-yal	—	m-si-turiŋ
	Pl	—	ma-hu'i	k-um-e-hur	ma-spel	—	ma-s-turiŋ
Sed	Tn	(tibu?)	m-huqil	k-m-ari?	m-sepi?	mimah	tudiq
	Td	(tibu?)	m-huqil	k-m-ari?	m-səpi?	mimah	tudiq
	Tr	libu?	m-hu?il	k-m-ari?	m-səpi?	mimah	tujiz
	In	libu?	m-huqil	k-m-ari?	m-səpi?	mimah	tujjq
PA		*libu?	*mana-hawqil	*kari?	*-səpi?	*mimah	*tudiŋ, *tudiq

Reconstruction of Proto-Atayalic Phonology

		<i>drunk</i>	<i>ear</i>	<i>earth</i>	<i>earthquake</i>	<i>earthworm</i>	<i>earwax</i>
Ata	Sq	busuk	—	hiyal	?unuw	bisuw	qpuri?
	Ms	ma-bs-in-uk	—	raha-ya-l	(gunuw)	bisuw	?apuri?
	Sk	m-s-in-uk	—	(roq)	—	—	qpuri?
	Mx	bus-in-uk/ ma-busuk	caŋiya?	(rauq/ ?utiq)	—	bicug	qapuri?
	Pl	bas-n-uk-an	caŋe?	ṛahal	(munuw)	bicuw	?apuṛi?
Sed	Tn	bsuk-an	—	dhe-ra-l	runuw	bicur	qpudi?
	Td	bsuk-an	—	dhə-ra-l	runu?	bicur	qpudi?
	Tr	bsuk-an	—	dhə-ga-l	runug	bisur	?puji?
	In	bsuk-an	—	dhə-ga-l	runug	bisur	qpuji?
PA		*ma-busuk	*caŋia?	*dahəl *daguq		*bicug *bicur	*qapudi?

		<i>eat</i>	<i>eel</i>	<i>eight</i>	<i>elbow</i>	<i>epidemic</i>	<i>escape</i>
Ata	Sq	man-iq (qan-iq)	tla-qiy	spat	hiku?	q-m-izu?	m-gyay
	Ms	man-i?	tala-?iy	ma-sapat	hiku?	?-am-azit	ma-giyay
	Sk	man-iq (qan-iq)	tla-qiy	spac	hiku?	q-m-uyu?	m-gyas
	Mx	man-iq (qan-iq)	tula-qiy	ma-spat	hiku?	q-um-uu?	ma-giyay
	Mt		tula-?ig				
	Pl	man-i? (kan-i?)	tula-'iy	ma-spac	hiku?		ma-giy
Sed	Tn	mekan (?ekan)	(tuya?)	m-m-sepac	(hiqur)	meru?	
	Tb	məkan (?əkan)	—	ma-səpac	(hiqur)	məru?	
	Tr	məkan	—	ma-səpac	(hi?ur)	məru?	
	In	məkan	—	ma-səpac	(hiqur)	mə?əru?	
PA		*kan	*tula-qig	*ma-səpat	*hiku?		

Reconstruction of Proto-Atayalic Phonology

		<i>evening</i>	<i>excrement</i>	<i>defecate</i>	<i>break wind, fart</i>	<i>eye</i>	
Ata	Sq	gbiyan	quci?	m-s-quci?	t-quci?	loziq	
	Ms	gbiyan	quci?	ma-s-?uti?	ta-?uti?	loyiq	
	Sk	gbiyan	?uti?	s-quci?	—	lawzi?	
	Mx	gabiyan	quti?	ma-si-quti?	tigi-quti?	rawwiq	
	Pl	gabiyan	?uti?	ma-s-’uti?	ti-’uti?	řori?	
Sed	Tn	(bbiyan)	quti?	q-m-uti?	t-quti?	doriq	
	Td	—	quti?	q-m-uti?	t-quti?	doriq	
	Tr	—	?uci?	?-m-uci?	t-quci?	dori?	
	In	gbiyan	quci?	q-m-uci?	t-quci?	doriq	
PA		*gabiyan	*quti?	*si-quti?	*ti-quti?	*dawriq	
		<i>face</i>	<i>fall</i>	<i>fang</i>	<i>far</i>	<i>fat, rough</i>	
Ata	Sq	rqi-ya-s	m-takuy	waqit	tohiq	qt-huy	
	Ms	ra?i-ya-s	ma-takuy	wa?it	twahi?	kt-huy	
	Sk	rqi-na-s	m-takuy	waqic	thiyaq	qt-huy	
	Mx	raqi-na-s	ma-takuw	waqit	(tatuhi?)	kit-huw	
	Pl	řa’-ya-s	ma-takur	wa-wa’ic	tuhiya?	katu-hur	
Sed	Tn	dqe-ra-s	m-takur	waqic	(theya?)	qte-hur	
	Td	dqə-ra-s	m-takur	waqic	thiyaq	qtə-hur	
	Tr	dʔə-ra-s	m-takur	wa?ic	thiya?	?tə-hur	
	In	daqə-ra-s	m-takur	waqic	(dhiyaq)	qtə-hur	
PA		*daqis	*ma-takur	*waqit	*twahiyaq	*kitə-hur	
		<i>fear</i>	<i>fence</i>	<i>finger</i>	<i>fire</i>	<i>fish</i>	<i>fish-poison</i>
Ata	Sq	m-ŋuŋu?	—	tluliŋ	pu-niq	—	tuba?
	Ms	ma-ŋuŋu?	?-an-alaŋ	(cluliŋ)	pu-ni?	?asi-yux	tuba?
	Sk	ma-ŋuŋu?	q-n-alaŋ	taluliŋ	pu-niq	—	tuba?
	Mx	—	q-in-alaŋ	ta-tiruliŋ	hapu-niq/hapuy	—	ta-tuba?
	Pl	ma-ŋuŋu?	?-in-alaŋ	taluliŋ	hapu-ni?	?uci-x	—
Sed	Tn	m-ŋuŋu?	q-na-laŋ	tludiŋ	pu-niq	qcu-rux	—
	Td	m-ŋuŋu?	q-na-laŋ	(kludiŋ)	pu-niq	qcu-rux	—
	Tr	—	?-n-alaŋ	duliŋ	pu-niq	?su-rux	tuba?
	In	m-ŋuŋu?	q-n-alaŋ	luliŋ	pu-niq	qsu-rux	tuba?
PA		*ma-ŋuŋu?	*q-in-alaŋ	*tiduliŋ	*hapu-niq/hapuy	*quci-rux	*tuba?

Reconstruction of Proto-Atayalic Phonology

		<i>fishweir</i>	<i>five</i>	<i>flat</i>	<i>flesh, meat</i>	<i>flow, adrift</i>
Ata	Sq		ma-gal	bʔ-nux	hiʔ	m-qluiʔ
	Ms		ma-gal	bayʔa-nux	hiiʔ	ma-ʔaluit
	Sk		ʔima-gal	bʔ-nux	hiiʔ	—
	Mx	kawbuʔ	ʔima-gal	baʔ-nux	hihihihiʔ	ma-qaluit
	Pl	kobuʔ	rama-gal	bar-nux	hiiʔ	mulic
Sed	Tn	qobuʔ	rimaʔ	bree-nux	hiiʔ	(qluliʔ)
	Td	qobuʔ	rimaʔ	brə-nux	hiiʔ	(qluluy)
	Tr	ʔobuʔ	rimaʔ	brə-nux	hiiʔ	(ʔuliʔ)
	In	qawbuʔ	rimaʔ	brə-nux	hiiʔ	(qluliʔ)
PA		{*kawbuʔ *qawbuʔ}	*rimaʔ	*barəʔə-nux	*hiiʔ	*qaluic

		<i>flower</i>	<i>fly (insect)</i>	<i>food particles</i> <i>between teeth</i>	<i>four</i>	<i>friend</i>
Ata	Sq	hpah	ŋ-liʔ	—	pa-ya-t	raŋiʔ
	Ms	—	yaŋaw	siŋas	sapa-ya-t	raŋiʔ
	Sk	phpah	ŋ-liʔ	—	pa-ya-c	raŋiʔ
	Mx	pahpah	waŋaw	(ciŋaq)	sapa-a-t/supat	—
	Pl	—	raŋa-lic	ciŋas	pa-ra-t	raŋiʔ
Sed	Tn	phepah	raŋo	(siŋas)	sepac	daŋiʔ
	Td	phəpah	raŋaw	liŋas	səpac	daŋiʔ
	Tr	phəpah	raŋaw	siŋas	səpac	daŋiʔ
	In	phəpah	raŋag	siŋas	səpac	daŋiʔ
PA		*pahəpah	*raŋaw	*ciŋas	*səpat	*daŋiʔ

		<i>full</i>	<i>edible fungus</i> 木耳	<i>ghost</i>	<i>give</i>
Ata	Sq	m-tŋiʔ	qluŋ	ʔutux	miq (biq)
	Ms	ma-tŋiʔ	—	ʔaliutux	maiʔ (baiʔ)
	Sk	m-tŋiʔ	qluŋ	ʔutux	miq (biq)
	Mx	ma-tŋiʔ	qa-qluŋ	ʔutux	maiʔ (baiʔ)
	Pl	ma-tŋiʔ	(ka-kaluŋ)	(ʔamutux)	miʔ (si-biʔ)
Sed	Tn	m-təŋiʔ	qeluŋ	ʔutux	mege (bege)
	Td	m-təŋiʔ	qəluŋ	ʔutux	muway (buway)
	Tr	m-təŋiʔ	—	ʔutux	məgay
	In	m-təŋiʔ	qəluŋ	ʔutux	məgay
PA		*ma-təŋiʔ	*qəluŋ	*ʔaliutux	*bəgay

Reconstruction of Proto-Atayalic Phonology

		<i>go</i>	<i>goiter</i>	<i>hair</i>	<i>hair whorl</i>
Ata	Sq	musa?	—	sno-nux	qpugu?
	Ms	musa?	—	saynu-nux	qpugu?
	Sk	musa?	—	sno-nux	lapugu?
	Mx	m-a-usa?	(bi?ix)	—	qalipugu?
	Pl	musa?	(ba?iy)	sinu-nux	—
Sed	Tn	—	biqir	snuu-nux	—
	Td	mosa?	biqar	snu-nux	qlpawu?
	Tr	musa?	bi?ir	snuu-nux	ʔlpagu?
	In	musa?	biqir	sno-nux	qapagu?
PA		*m-a-usa?	*biqər	*saynaw	*qalipagu?

		<i>hair, gray</i>	<i>happy</i>	<i>Jew's harp</i>	<i>he</i>	<i>head</i>	<i>help</i>
Ata	Sq	quri?	m-qas	lubuw	hiya?	tunux	r-m-aw
	Ms	ʔuri?	—	lubuw	hiya?	tunux	r-am-aaw
	Sk	ʔi-quri?	m-qas	lubux	hiya?	tunux	r-m-ax
	Mx	quri?/quras	ma-qas	lubug	ʔi-hiya?	tunux	r-um-aag
	Pl	ʔuri?	ma-'as	lubuw	hiya?	tunux	r-um-aw
Sed	Tn	qudi?	m-qaras	(tubuw)	heya?	tunux	d-m-ayo
	Td	qudas	m-qaras	lubu?	hiya?	tunux	d-m-ayaw
	Tr	ʔuji?	m-ʔaras	lubug	hiya?	tunux	d-m-ayaw
	In	quji?	m-qaras	lubug	hiya?	tunux	d-m-ayag
PA		*qudi?/qudas	*ma-qaras	*lubug	*hiya?	*tunux	*d-um-a(y)ag

		<i>hemp plant</i>	<i>high, cf. above</i>	<i>hip</i>	<i>hoe</i>	<i>hoe</i>
Ata	Sq	kgiy	—	sulay	—	karuh
	Ms	kagiy	babaw-i?	sulay	pazih	pakaruh
	Sk	kgis	baw-iq	sulay	payih	karuh
	Mx	kgiy	ʔi-babaw-iq	—	payih	pakaruh
	Pl	kun-kagiy	babaw-i?	—	—	—
Sed	Tn	keguy	bbaro	—	parih	—
	Td	kəri?	bbaraw	sulay	parih	—
	Tr	kərig	bbaraw	sulay	parih	bkaruh
	In	kərig	babarag	sulay	parih	bkaruh
PA		*kəgigʔ	*babaraw	*sulay	*parih	*bakaruh

Reconstruction of Proto-Atayalic Phonology

		<i>hold (in hand)</i>	<i>honeybee</i>	<i>hornet (bee)</i>	<i>horse</i>	<i>hot (weather or thing)</i>
Ata	Sq	—	walu?	triyuŋ	rme?	m-kilux
	Ms	—	—	tariyuŋ	ramai?	ma-kilux
	Sk	—	—	triyuŋ	rme?	m-kilux
	Mx	r-um-iril-iq	—	—	ramai?	ma-kilux
	Pl	(r̄-um-ir̄i?)	—	r̄iuŋ	r̄ame?	ma-kilux
Sed	Tn	d-m-idil	walu?	tdiyuŋ	dmai?	m-tilux
	Td	d-m-idil	walu?	tdiyuŋ	dmai?	m-tilux
	Tr	d-m-ijil	walu?	tjiyuŋ	dmai?	m-cilux
	In	d-m-ijil	walu?	tjiyuŋ	dmai?	m-cilux
PA		*d-um-idil	*walu?	*tədiyuŋ	*damai?	*ma-tilux
						*ma-kilux

		<i>how many</i>	<i>hungry</i>	<i>hunt</i>	<i>I</i>	
Ata	Sq	pira?	m-ʔuzay	q-m-alup	-ku?	s-aku?
	Ms	pisa?	—	q-m-alup	(-si)	
	Sk	pisa?	—	ʔ-m-alup	(-cu)	
	Mx	(piya?)	—	q-um-aluap/q-um-alup	(-cu, -ci)	
	Pl	piʔa?	ma-ʔuriy	—	(-cu)	
Sed	Tn	piya?	mu-ʔure	—	-ku?	y-aku?
	Td	piya?	mu-ʔuray	(maduk)	-ku?	y-aku?
	Tr	piya?	mu-ʔuray	(maduk)	-ku?	y-aku?
	In	piya?	mu-ʔuray	(maduk)	-ku?	y-aku?
PA		*pig'a?	*mu-ʔuray	*q-um-alup	*-ku?	*-aku?

		<i>immerse</i>					
		<i>in water</i>	<i>inland, up</i>	<i>juice</i>	<i>knife</i>	<i>knock</i>	<i>lame</i>
Ata	Sq	m-buw	k-raya?	buq	—	t-m-uciŋ	pika?
	Ms	ʔ-am-abuw	mak-raya?	buq	putiŋ	t-m-utiŋ	ma-pika?
	Sk	m-bux	raya?	bu?	—	t-m-uciŋ	pika?
	Mx	ʔ-um-ubug	maka-raya?	buq	—	t-um-utiŋ	—
	Pl	ʔ-um-buw	r̄e-tux	bu?	putiŋ	t-um-utiŋ	ma-pika?
Sed	Tn	r-m-ebuw	daya?	beyuq	—	t-m-utiŋ	m-pika?
	Td	r-m-əbu?	daya?	biyuq	putiŋ	t-m-utiŋ	m-pika?
	Tr	r-m-əbug	daya?	biyu?	puciŋ	t-m-uciŋ	m-pika?
	In	r-əm-bug	daya?	biyuq	puciŋ	t-m-uciŋ	m-pika?
PA		*r-um-əbug	*daya?		*putiŋ	*t-um-utiŋ	*ma-pika?
		*ʔ-um-ubug					

Reconstruction of Proto-Atayalic Phonology

		<i>language, word</i>	<i>late</i>	<i>a little later</i>	<i>leaf</i>	<i>leggings</i>	<i>left</i>
Ata	Sq	ke?	m-suqi?	kira?	ʔabaw	s-ragiy	ʔzil
	Ms	kai?	(ma-ksuʔi?)	kisa?	ʔabaw	s-ragiy	(ʔaʔil)
	Sk	ke?	m-qciqi?	kisa?	ʔabax	c-ragis	ʔiyil
	Mx	kai?	ma-qsicuqi?	kisa?	ʔabag	—	ʔiil
	Pl	ke?	—	kiʔa?	ʔabaw	(taragiy)	ʔiil
Sed	Tn	kari?	m-scuqi?	kiya?	—	p-dagic	ʔiril
	Td	kari?	m-scuqi?	kiya?	nabaw	p-dawic	ʔiril
	Tr	kari?	m-ʔsuʔi?	kiya?	nabaw	p-dagic	ʔiril
	In	kari?	m-suqi?	kiya?	—	dagic	ʔiril
PA		*kari?	*ma-qʰsicuqi?	*kig'a?		*-dagig'	*ʔiril
		<i>leopard</i>	<i>lie on one's side</i>	<i>lips</i>	<i>long time</i>	<i>reed of loom</i>	
Ata	Sq	kli?	—	prahum	bsiq	bzira?	
	Ms	yakalit	(ma-t-ka-kiil)	parhum-an	bsiya?	bagisa?	
	Sk	kli?	m-t-k-kis	prahum	bsiyaq	bgisa?	
	Mx	ʔakli?	(ma-k-si-ka-kil)	parahum	—	bagisa?	
	Pl	yaklic	ma-s-ka-kiy	paʔahun	buse?	bagiʔa?	
Sed	Tn	rkelic		pdahun	bsiyaq	bgiya?	
	Td	rkəlic		pdahun	bsiyaq	bwiya?	
	Tr	rkəlic		pdahun	bsiyan	bgiya?	
	In	rakəlic	s-kiig	pdahun	busiyaq	bgiya?	
PA		*rakəlid	*ma-si-ka-kig'	*padahum	*busiyaq	*bagig'a?	
		<i>loquat</i>	<i>body louse</i>	<i>head louse</i>	<i>low</i>	<i>lung</i>	<i>many (people)</i>
Ata	Sq	gitu?	sumiq	kuhiŋ	—	—	—
	Ms	—	sumi?	kuhiŋ	—	—	ha-bayaw
	Sk	—	lumiq	kuhiŋ	—	—	—
	Mx	ʔitu? ²⁷	lumiq	kuhiŋ/kucu?	—	—	ha-baag
	Pl	gitu?	lumi?	kuhiŋ	lalbu?	—	ha-baraw
Sed	Tn	gitu?	cumiq	quhiŋ	llebu?	baraq	h-baro
	Td	witu?	cumiq	quhiŋ	llebu?	baraq	h-baraw
	Tr	gitu?	sumi?	ʔuhiŋ	llebu?	bara?	h-baraw
	In	gitu?	sumiq	quhiŋ	llebu?	baraq	h-barag
PA		*gitu?	*cumiq	*kuhiŋ/kucu?	*la-ləbu?	*baraq	*ha-barag

27. The male form in Mayrinax may substitute /ʔ-/ for /g-/; see §1.6, No. 16. The anticipated female form /gituʔ/ has been lost.

Reconstruction of Proto-Atayalic Phonology

		<i>maple tree</i>	<i>middle</i>	<i>molar</i>	<i>money</i>	<i>monkey</i>	<i>moon</i>	<i>mortar</i>
Ata	Sq	raga?	ska?	karaŋ	pila?	yuŋay	bya-ciŋ	luhuŋ
	Ms	raga?	saka?	—	pila?	yuŋay	baya-tiŋ	luhiyuŋ
	Sk	raa?	cka?	—	pila?	yuŋay	bya1-iŋ	luhuŋ
	Mx	raa?/raga?	ma-cka-cka?	—	pila?	wuŋay	buwa-tiŋ	luh-i-uŋ/luhuŋ
	Pl	raa?	ca-cka?	—	pila?	ruŋiy	bura-tiŋ	lahyuŋ
Sed	Tn	dara?	ck-ceka?	kadaŋ	pila?	ruŋe	—	duhuŋ
	Td	dara?	cəka?	kadaŋ	pila?	ruŋay	—	duhuŋ
	Tr	dara?	səka?	kadaŋ	pila?	ruŋay	—	duhuŋ
	In	dara?	səka?	kadaŋ	pila?	ruŋay	—	duhuŋ
PA		*daga?	*cəka?	*kadaŋ	*pila?	*ruŋay	*bural	*luhuŋ

		<i>moss</i>	<i>mouse</i>	<i>mouth</i>	<i>mud</i>	<i>mulberry</i>	<i>mumps</i>	<i>mushroom</i>
Ata	Sq		qoli?	n-qwaq	slaq	tlui?, tliu?	pupuk	qihuŋ
	Ms		qawlit	ŋa-ʔuwa?	sala?	—	pupuk	ʔuhuŋ
	Sk	(yumu-riq)	qoli?	n-qwaq	claq	tlui?	pupuk	—
	Mx	—	qawlit	ŋa-quwaq	claq	—	ma-pupuk	qhuŋ
	Pl	řimu-ri?	ʔolic	ŋa-ʔwa?	—	—	pupuk	—
Sed	Tn	dmu-riq	qolic	quwaq	—	(tdiyuc)	pupuk	—
	Td	dmu-riq	qolic	quwaq	cəlaq	(tliyuq)	pupuk	—
	Tr		ʔolic	ʔuwa?	səla?	(kliyuc)	—	—
	In	dmu-riq	qawlic	quwaq	səlaq	(kliyuc)	pupuk	—
PA		*dimu-riq	*qawlid	*ŋa-quwaq	*cəlaq	*taliud	*pupuk	*qəhuŋ

		<i>narrow</i>	<i>navel</i>	<i>near</i>	<i>neck, back of</i>	<i>necklace, string</i>	<i>needle</i>
Ata	Sq	gzil	puga?	—	griyuŋ	sniyuw	rom
	Ms	yagazil	—	—	wariyuŋ	(samiyuw)	raum
	Sk	—	puga?	—	griyuŋ	sniyux	rom
	Mx	—	puga?	—	wariyuŋ	siniyug	raum/ragum
	Pl	řigiril	—	—	wařiŋ	sinyuw	řoŋ
Sed	Tn	(dge-hiŋ)	puga?	(daliŋ)	(nduyuŋ)	sniruw	—
	Td	duuril	puwa?	dalih	—	sniru?	—
	Tr	dgəril	puga?	dalih	gduyuŋ	snirug	—
	In	dgəril	puga?	dalih	duyuŋ	(silug)	—
PA		*digəril	*puga?	*dalih	*gadiyuŋ	*sinirug	*dagum

Reconstruction of Proto-Atayalic Phonology

		<i>nit</i>	<i>nod head</i>	<i>noisy</i>	<i>not</i>	<i>not exist</i>	
Ata	Sq	(ʔiquʔ)	t-m-atuk	s-m-tunux	ʔiniʔ	ʔuŋat	—
	Ms	(giquʔ)	t-m-atuk	—	ʔiniʔ	ʔuŋat	—
	Sk	(giguʔ)	t-m-atuk	s-m-tunux	ʔiniʔ	—	ʔukaʔ
	Mx	ʔa-ʔiquʔ/ga-giquʔ	t-um-atuk	s-m-ta-tunux	ʔiniʔ	—	(ʔukas)
	Pl	ga-giʔus	—	s-un-ta-tunux	ʔiniʔ	ʔuŋac	—
Sed	Tn	geyus	p-tatuk	s-n-t-tunux	ʔiniʔ	—	ʔukaʔ
	Td	wiyus	p-tatuk	s-n-tunux	ʔiniʔ	—	ʔukaʔ
	Tr	giyus	p-tatuk	s-n-tunux	ʔiniʔ	ʔuŋac	—
	In	giyus	t-m-atuk	s-tunux	ʔiniʔ	ʔuŋac	—
PA		*giquʔ	*tatuk	*s-m-tunux	*ʔiniʔ	*ʔuŋat	*ʔukaʔ

		<i>old (thing)</i>	<i>open</i>	<i>outside</i>	<i>owl</i>	<i>pail, box</i>	
Ata	Sq	smural	(g-m-eh)	ta-nux	ŋuziq	kuluʔ	
	Ms	—	(g-m-iyah)	ta-nux	—	kuluʔ	
	Sk	smural	g-m-awah	ta-nux	—	kuluʔ	
	Mx	—	g-um-awah	lata-nux/lataʔ	—	kuluʔ	
	Pl	—	g-um-awah	ta-nux	—	kuluʔ	
Sed	Tn	—	r-m-awah		ŋuriq	kuluʔ	
	Td	smudal	r-m-awah		ŋuriq	kuluʔ	
	Tr	smudal	r-m-awah		—	kuluʔ	
	In	smudal	r-m-awah		—	kuluʔ	
PA		*smudal	*g-um-awah	*latad	*ŋuriq	*kuluʔ	

		<i>pan</i>	<i>patch</i>	<i>peck</i>	<i>penis</i>	<i>pestle</i>	<i>pig</i>	<i>pineapple</i>
Ata	Sq	supih	(t-m-apaŋ)	m-atuk	ʔutas	qsizuʔ	—	—
	Ms	supih		ʔ-m-atuk	—	ʔsuyuʔ	—	paŋran
	Sk	supih	(t-m-apaŋ)	g-m-atuk	—	qsuyuʔ	—	paŋran
	Mx	—	c-um-apaŋ	ʔ-um-atuk	—	qasuuʔ	—	paŋran
	Pl	—	c-um-apaŋ	—	—	ʔasuʔ	—	—
Sed	Tn	supih	c-m-apaŋ	g-m-atuk	—	seruʔ	babuy	—
	Td	—	c-m-apaŋ	u-m-atuk	—	səruʔ	babuy	—
	Tr	supih	s-m-apaŋ	g-m-atuk	ʔutas	səruʔ	babuy	—
	In	supih	s-m-apaŋ	g-m-atuk	ʔutas	səruʔ	babuy	—
PA		*supih	*c-um-apaŋ	*ʔ-um-atuk/ *g-um-atuk	*ʔutas	*qasəruʔ	*babuy	*paŋdan

Reconstruction of Proto-Atayalic Phonology

		<i>pine tree</i>	<i>pitiful</i>	<i>point at</i>	<i>poor, lonely</i>	<i>pork</i>	<i>pot</i>
Ata	Sq	hayuŋ	s-galu?	pin-turiŋ	—	syam	—
	Ms	—	—	pan-turiŋ	ʔazinut	siyam	—
	Sk	—	s-galu?	pin-turiŋ	qayinuc	syam	limuk
	Mx	hayriŋ/hawuŋ	si-guʔalu?	pana-turiŋ/ pana-turuq	qainut 孤獨者	siyam	limuk
	Pl	—	—	pan-turiŋ	ʔarinuc	syam	—
Sed	Tn	haruŋ	glu-un	—	m-qrinuc	siyam	—
	Td	haruŋ	p-walu?	—	m-qrinuc	siyam	limuk
	Tr	haruŋ	p-gəalu?	—	m-ʔrinuc	siyam	limuk
	In	haruŋ	p-galu?	—	m-qrinuc	siyam	—
PA		*haruŋ	*gəʔalu?	*tudiŋ/ *tuduq	*qarinut	*siyam	*limuk
		<i>sweet potato</i>	<i>pretty</i>	<i>priest-shaman</i>	<i>pus</i>	<i>ragged</i>	<i>rattan</i>
Ata	Sq	ŋa-hi?	—	mhoni?	—	m-s-galiq	qo-yux
	Ms	ŋa-hi?	baytu-nux	nahawni?	—	ma-gali?	ʔawa-ni?
	Sk	ŋa-hi?	betu-nux	mhoni?	—	m-galiq	qwa-ni?
	Mx	buŋa?	mag-batu-nux	ma-ha-huni?	—	ma-galiq	quwa-ni?
	Pl	ŋa-hi?	—	mahuni?	—	ma-gali?	ʔwa-rux
Sed	Tn	buŋa?	m-btu-nux	mhuni?	nalaq	m-s-galiq	qwa-rux
	Td	buŋa?	m-btu-nux	mhuni?	nalaq	m-waliq	qwa-rux
	Tr	buŋa?	m-btu-nux	mhuni?	nala?	—	ʔwa-rux
	In	buŋa?	m-btu-nux	muhuni?	nalaq	—	qwa-rux
PA		*buŋa?	*baytu-nux	*ma-hawni?	*nalaq	*ma-galiq	*quway
		<i>raw</i>	<i>red</i>	<i>return</i>	<i>rice, husked</i>	<i>rice plant</i>	
Ata	Sq	m-t-el-uq	m-talah	m-zi-nah	buwax	(pagay)	
	Ms	ma-ta-il-u?	ma-tanah	p-bazi-nah	buwax	(pagay)	
	Sk	m-t-el-uq	m-talah	m-bi-nah	buwax	(pagay)	
				<m-byi-nah			
	Mx	mat-il-uq/mataq	ma-tanah	ma-bwi-nah	buwax	—	
Sed	Pl	ma-telu?	ma-tanah	mu-bwi-nah	box	(pagiy)	
	Tn	meluq	tanah	m-ri-nah	(beras)	paye	
	Td	meluq	m-banah	m-bri-nah	buwax	payay	
	Tr	məilu?	m-banah	m-bri-nah	buwax	payay	
	In	miiluq	m-banah	m-bri-nah	buwax	payay	
PA		*matiluq/*mataq		*ma-bəri-nah	*buwax	*pag'ay	

Reconstruction of Proto-Atayalic Phonology

		<i>right (correct)</i>	<i>road</i>	<i>road, animal trail</i>	<i>to warm, roast</i>	<i>roof</i>	
Ata	Sq	balay	—	tuqiy 路	malah	ramuw	
	Ms	s-balay	—	tuʔiy	malah	ramuʔiy	
	Sk	c-balay	ryan-iq	tuqiy 獸跡	malah	ramux	
	Mx	cu-balay	ran-iq/raan	tuqiy 獸跡	malah	r-in-amug	
	Pl	(cubay)	—	tuwiy 路	malah	řamu'iy	
Sed	Tn	p-t-bale	—	tuqir 獸跡	malah	dnamux	
	Td	p-t-balay	—	tuqar	malah	dnamux	
	Tr	p-t-balay	—	tuʔir	malah	dnamux	
	In	balay		tuqir	malah	damux	
PA		*balay	*daran-iq/ *daran	*tuqir *tuqig	*malah		
		<i>root</i>	<i>saliva</i>	<i>salt</i>	<i>same</i>	<i>sand</i>	<i>scrub, shave</i>
Ata	Sq	gamil	halus	cimuʔ	m-tnaq	bnaqiy	k-m-ugus
	Ms	gamil	—	timuʔ	ma-tanaʔ	banaʔiy	k-m-ugus
	Sk	gamil	—	cimuʔ	m-tnaq	bnaqiy	k-m-ugus
	Mx	gamil	—	timuʔ	—	bunaqiy	k-um-ugus
	Pl	gamil	—	timuʔ	min-tanaʔ	buna'iy	—
Sed	Tn	gamil	(hlulas)	timuʔ	mn-tenaʔ	bnaquy	k-m-ugus
	Td	wamil	halus	timuʔ	mn-tənaʔ	bnaqiʔ	k-m-uus
	Tr	gamil	halus	cimuʔ	mn-tənaʔ	bnaʔig	k-m-ugus
	In	gamil	halus	cimuʔ	mn-tənaʔ	bnaqig	k-mugus
PA		*gamil	*halus	*timuʔ	*ma-tənaq	*bunaqig	*k-um-ugus
		<i>scythe</i>	<i>sea, lake</i>	<i>see</i>		<i>seed</i>	<i>seven</i>
Ata	Sq	sokiʔ	siluŋ	m-itaʔ (kitaʔ)		ghap	pituʔ
	Ms	sawkiʔ	b-asiluŋ	k-um-itaʔ (kitaʔ)		ga-gahap	ma-pituʔ
	Sk	sokiʔ	b-ciluŋ	kta-yux		ghap	m-pituʔ
	Mx	sawkiʔ	wa-ciluŋ	k-um-ita-al (kitaal)		ga-ghap	ma-pituʔ
	Pl	—	wa-ciluŋ	—		—	ma-pituʔ
Sed	Tn	—	r-ciluŋ	m-itaʔ (qitaʔ)		(rehak)	m-pituʔ
	Td	sokiʔ	u-ciluŋ	q-m-itaʔ (qitaʔ)		(rəhak)	m-pituʔ
	Tr	sokiʔ	g-siluŋ	ʔ-m-itaʔ		gəhak	m-pituʔ
	In	sokiʔ	g-siluŋ	q-m-itaʔ (qitaʔ)		gəhak	m-pituʔ
PA		*sawkiʔ	*-ciluŋ	*kitaʔ		*gəhap	*ma-pituʔ

Reconstruction of Proto-Atayalic Phonology

		<i>sew</i>	<i>shade</i>	<i>sheep</i>	<i>shoot</i>	<i>shoulder</i>	<i>shrimp</i>
Ata	Sq	s-m-aqis	sasaw	mit	—	qhiyaŋ	boluŋ
	Ms	s-m-aʔis	sasiʔ	mit	s-m-abuʔ		bawluŋ
	Sk	c-m-aqis	c-sasaw 乘涼	miic	—	qhiyaŋ	(moluŋ)
	Mx	c-um-aʔin/ c-um-aqis	sasiq/sasaw	mit	c-um-buʔ	—	—
	Pl	c-um-aʔis	sasiʔ	mic	c-um-buʔ		ba-buluŋ
Sed	Tn	(s-m-ais)	saso	miric	c-m-ebuʔ	—	boluŋ
	Td	(s-m-ais)	sasaw	miric	c-m-əbuʔ	hiraŋ	boluŋ
	Tr	s-m-ais	sasaw	miric	s-m-əbuʔ	hiraŋ	boluŋ
	In	s-m-aʔis	sasag	miric	s-ə-m-buʔ	hiraŋ	k-boluŋ
PA		*c-um-aqis	*sasaw	*mirit	*c-um-əbuʔ	*qəhiraŋ	*bawluŋ
		<i>shuttle</i>	<i>elder sibling</i>	<i>younger sibling</i>	<i>side</i>	<i>side dish</i>	
Ata	Sq	ʔikus	qsuyan	s-sueʔ	siyaw	ramat	
	Ms	—	baʔasuyan	suwaiʔ	siyaw	ramat	
	Sk	ʔikus	qsuyan	—	siyax	ramac	
	Mx	gikus	(q-um-isuwan)	suwaiʔ	siyag	ramat	
	Pl	gikus	ʔasuran	suseʔ	syaw	ra-ramac	
Sed	Tn	gikus	qbsuran	swaiʔ	siyo	damac	
	Td	wikus	qbsuran	swaiʔ	siyaw	damac	
	Tr	gikus	ʔbsuran	swaiʔ	siyaw	damac	
	In	gikus	qbsuran	swaiʔ	siyag	damac	
PA		*gikus	*qəbəsuran	*suwaiʔ	*siyag	*damat	
		<i>sifter</i>	<i>six</i>	<i>skin disease</i> 頭皮屑	<i>slow</i>	<i>small</i>	<i>smell</i>
Ata	Sq	gilan	tizuʔ	pulas	thguway	cipuq	s-m-ok
	Ms	gargilan	ma-tayuʔ	pulas	ma-kinhuway	—	s-am-auk
	Sk	rglan	m-tuyuʔ	pulas	knhuway	cipaq	s-m-ok
	Mx	giragiran	ma-matuuʔ	ma-pulas	—	—	s-um-auk
	Pl	gilgilan	matuʔ	—	—	—	s-uŋ-k-a-nux
Sed	Tn	rgigan	m-m-teruʔ	—	tghuwe	—	s-m-k-e-nux
	Td	ruriwan	m-təruʔ	pulas	m-thuway	cipiq	s-m-k-ə-nux
	Tr	gigan	m-təruʔ	—	m-tghuway	cipiʔ	s-m-k-ə-nux
	In	gigan	toruʔ	—	m-thuway	—	p-sk-ə-nux
PA			*ma-təruʔ	*pulas		*cipəq	*s-um-auk

Reconstruction of Proto-Atayalic Phonology

		<i>soft</i>	<i>sole (of foot)</i>	<i>son-in-law</i>	<i>sow, cf. seed</i>	<i>spear</i>	<i>spine</i>
Ata	Sq	m-hnuk	rapal	y-ama?	m-hap	—	qni? turu?
	Ms	m-hnuk	rapal	y-ama?	g-m-hap	sbyaŋan	turu?
	Sk	m-hnuk	rapal 足跡	y-ama?	g-m-hap	—	qni? turu?
	Mx	ma-hnuk	rapal 踏脚陷阱	y-ama?	g-um-hap	s-in-bwaŋan	—
	Pl	ma-hnuk	rapal	y-ama?	—	—	turu?
Sed	Tn	m-henuk	(dapil)	?ama?	r-m-ehak	s-n-braŋan	tudu?
	Td	m-hənuk	(dapil)	?ama?	r-m-əhák	s-n-braŋan	tudu?
	Tr	m-hənuk	(dapil)	?ama?	g-m-əhak	s-n-braŋan	tudu?
	In	m-hənuk	(dapil)	?ama?	g-m-əhak	s-m-braŋan	tudu?
PA		*ma-hənuk	*dapal	*?ama?	*g-um-əhap	*sbraŋan	*tudu?
		<i>spittle</i>	<i>spit</i>	<i>spoon, scoop</i>	<i>spread a mat</i>	<i>sprout</i>	<i>flying squirrel</i>
Ata	Sq	tuyuq	p-tuyuq	taku?	s-m-amaw	taŋuw	yapit
	Ms		(t-m-zuna?)	taku?	s-m-amaw	—	yapit
	Sk	(yunaq)	(ti-yunaq)	taku?	s-m-amaw	taŋux	yapic
	Mx	(tunaq)	(pu-tunaq)	t-um-aku?	s-um-amag	—	?apit
	Pl	(taruna?)	(pa-taruna?)	—	s-um-amaw	taŋuw	rapic
Sed	Tn	turuq	m-turuq	taku?	s-m-apo	—	rapic
	Td	(tuyuq)	(t-m-uyuq)	taku?	s-m-apaw	—	rapic
	Tr	(tuyu?)	(t-m-uyu?)	taku?	s-m-apaw	taŋug	rapic
	In	(tuyuq)	(t-m-uyuq)	taku?	s-m-apag	taŋug	rapic
PA		*turuq	*-turuq	*taku?		*taŋug	*rapit
		<i>squirrel</i>	<i>stab</i>	<i>stick, pole</i>	<i>sticky</i>	<i>stink</i>	<i>stomach</i>
Ata	Sq	bhut	—	hoku?	t-rŋil	sknux	—
	Ms	bahut	mayta?	hawku?	—	—	la-lahabun 心臟
	Sk	bhuc	—	hoku?	m-rŋil	skunux	lhbun 胃
	Mx	bhut	—	hawku?	—	—	la-lihbun 芻
	Pl	buhuc	meta?	huku?	mu-řaŋil	sakanux	lahbun 胃
Sed	Tn	b-ri-huc	metaq	hukuc	(m-deŋul)	skenux	lhebun 横隔膜
	Td	b-ri-huc	metaq	hukuc	m-dəŋil	skənux	lhəbun 横隔膜
	Tr	b-ri-huc	meta?	hukuc	m-dəŋil	skənux	lhəbun 横隔膜
	In	b-ri-huc	metaq	hukuc	m-dəŋil	skənux	lhəbun 胃(痛)
PA		*buhut	*maytaq	*hawkuc(?)	*dəŋil	*səkənux	*lihəbun

Reconstruction of Proto-Atayalic Phonology

		<i>stone</i>	<i>straps, belt</i>	<i>stupid</i>	<i>summer</i>	<i>sun</i>	
Ata	Sq	btu-nux	habuk	—	bagan	wagi?	
	Ms	—	habuk	—	ʔabagan	(wawi-tux)	
	Sk	btu-nux	habuk	m-ŋaŋah	gbagan	wagi?	
	Mx	batu-nux	ha-habuk	—	gabagan	wagi?	
	Pl	batu-nux	habuk	m-ŋaŋah	ʔabagan	wagi?	
Sed	Tn	btu-nux	(habik)	m-ŋaŋah	rbagan	—	
	Td	btu-nux	habuk	m-ŋaŋah	rbawan	—	
	Tr	btu-nux	habuk	m-ŋaŋah	rbagan	—	
	In	btu-nux	habuk	m-ŋaŋah	rbagan	—	
PA		*batu-nux	*habuk	*ma-ŋaŋah	*-bagan	*wagi?	
		<i>swim, bathe</i>	<i>tabu</i>		<i>tail</i>	<i>take care</i>	
Ata	Sq	mŋi-aq	(msan-iq)		ŋuŋu?	k-m-ahaŋ (kahaŋ)	
	Ms	ma-laŋi-a?	pasan-i?		—	m-lahaŋ (kalhaŋ-an)	
	Sk	l-m-ŋi-aq	psan-iq		ŋuŋu?	m-lahaŋ (khlaŋ-i)	
	Mx	l-um-aŋuy	pisan-iq/paisan		(ŋa?ŋu?)	ma-lahaŋ (kalhaŋ-an)	
	Pl	l-um-aŋuy	pisan-i?		ŋuŋu?	ma-lahaŋ (klaŋaŋ-an) ‘seek’	
Sed	Tn	l-m-aŋuy	bsan-iq		ŋuŋu?	q-m-lahaŋ	
	Td	l-m-aŋuy	bsan-iq		ŋuŋu?	q-m-lahaŋ	
	Tr	l-m-aŋuy	psan-i?		ŋuŋu?	ʔ-m-lahaŋ	
	In	l-m-aŋuy	bsan-iq		ŋuŋu?	q-m-lahaŋ	
PA		*l-um-aŋuy	*pisan-iq/paisan		*ŋuŋu?	*kalahaŋ	
			*baisan				
		<i>taro</i>	<i>taste</i>	<i>tears</i>	<i>thing</i>	<i>hang down</i>	<i>think</i>
Ata	Sq	se-huy	t-m-alam	—	qaya?	s-p-qaya?	m-ŋluŋ
	Ms	say-huy	t-m-alam	—	ʔay-ʔaya?		l-m-ŋaluŋ
	Sk	ce-huy	t-m-alam	—	q-qaya?	—	m-ŋluŋ
	Mx	cai?	t-um-alam	—	—	—	l-um-aŋluŋ
	Pl	ce-hur	t-um-alaŋ	—	ya’aya?	pa-’aya?	luŋluŋ
Sed	Tn	(sari?)	t-m-alaŋ	rusuq	(qyu-qeya?)	q-m-eya?	lmŋelun
	Td	(sari?)	t-m-alaŋ	rusuq	q-qiya?	m-qiya?	lmŋəlun
	Tr	sari?	t-m-alaŋ	rusu?	ʔ-ʔaya?	m-ʔaya?	lmŋəlun
	In	sari?	t-m-alaŋ	rusuq	qaya?	m-qaya?	lmŋəlun
PA		*cari?	*t-um-alam	*rusuq	*qəya?	*pa-qəya?	*l-um-aŋəlun

Reconstruction of Proto-Atayalic Phonology

		<i>this</i>	<i>thread</i>	<i>thread a needle</i>	<i>three</i>	<i>tongue</i>		
Ata	Sq	qa-ni	wayay	m-uhuw	ciw-al	hma-li?		
	Ms	ha-ni	wayay	l-m-uhuw	ciw-gal	hma-li?		
	Sk	ha-ni	wayay	l-m-uhux	tyu-gal	hama-ʔuy		
	Mx	ha-ni	waʼay	l-um-hug	tu-gal/tuu?	hma?		
	Pl	ha-ni	wariy	l-um-uhuw	tu-gal	hama-lic		
Sed	Tn	nii	ware	l-m-ihuw	teru?	hema?		
	Td	ni	waray	l-m-ihu?	təru?	həma?		
	Tr	ni	waray	l-m-ihug	təru?	həma?		
	In	nii	waray	l-um-ihug	toru?	həma?		
PA		*ni	*waray	*l-um-uhug *l-um-ihug	*təru?	*həma?		
		<i>tooth</i>	<i>trap</i>	<i>tree</i>	<i>twenty</i>	<i>two</i>	<i>umbrella, cap</i>	
Ata	Sq	ʔ-nux	raŋay	qho-niq	pusal	—	cyasi? 斗笠	
	Ms	gaʔa-nux	raŋay	kahaw-ni?	ma-pusal	—	(cyasi?)	
	Sk	pn-iq	raŋay	qhu-niq	pusal	—	(tyasi?)	
	Mx	giʔ-nux/gipun	raŋa	kahu-niq/kahuy	ma-pusal	rusa?	taasi?	
	Pl	ʔap-nux	—	kahu-ni?	ma-pusal	—	tarasi?	
Sed	Tn	rupun	—	qhu-ni?	m-pusal	daha?	trasi?	
	Td	rupun	daŋar	qhu-ni?	m-pusal	daha?	trasi?	
	Tr	gupun	daŋar	ʔhu-ni?	m-pusal	daha?	trasi?	
	In	gupun	daŋar	qhu-ni?	m-pusal	daha?	tarasi?	
PA		*gipun	*daŋar	*kahu-niq/kahuy	*ma-pusal	*dusa?	*tarasi?	
		<i>vein, sinew</i>	<i>village</i>	<i>viscera, heart</i>	<i>vomit</i>	<i>vulva</i>	<i>waist</i>	<i>wait</i>
Ata	Sq	(ʔugiq)	qalaŋ	qsahuy	mutaq	pipi?	hginuk	m-naga?
	Ms	(ʔugil)	ʔalaŋ	ʔasahuy	muta?	pipi?	hawinuk	m-naga?
	Sk	(ʔugiq)	qalaŋ	—	mutaq	pipi?	hinuk	m-na?
	Mx	(ʔuwiq)	qalaŋ	qacahuw	mutaq	—	hawinuk	n-um-aga?
	Pl	(ʔugil)	ʔalaŋ	ʔacahur	muta?	pipi?	hawinuk	ma-na?
Sed	Tn	ʔurac	ʔalaŋ	qcahur	mutaq	pipi?	hwinuk	t-m-ara?
	Td	ʔurac	ʔalaŋ	qcahur	—	pipi?	hwinuk	t-m-awa?
	Tr	ʔurac	ʔalaŋ	ʔsahur	—	pipi?	hginuk	t-m-aga?
	In	ʔurac	ʔalaŋ	qsahur	—	pipi?	hginuk	t-m-aga?
PA		*ʔugac	*qalaŋ	*qacahur	*mutaq	*pipi?	*haginuk *hawinuk	*t-um-aga?

Reconstruction of Proto-Atayalic Phonology

		<i>wash (clothes)</i>	<i>water</i>	<i>waterfall</i>	<i>we (exc.)</i>	<i>we (incl.)</i>	<i>weave</i>	<i>to weed</i>
Ata	Sq	mahuq	qsiya?	—	s-ami	ʔita?	t-m-inun	m-qumah
	Ms	mahu?	ʔasiya?	—	s-ami	ʔita?	t-m-inun	ma-ʔumah
	Sk	mahuq	qsiya?	tgliq, tglas	s-ami	ʔita?	t-m-inun	m-qumah
	Mx	ma-bahuq	qusiya?	tagliq	c-ami	ʔita?	t-um-inuq/ t-um-inun	—
	Pl	ma-bahu?	ʔuse?	tagli?	c-ami	ʔita?	t-um-inu?	
Sed	Tn	mahu?	qsiya?	tgelaq	y-ami	ʔita?	t-m-inun	
	Td	mahu?	qsiya?	tuulaq	y-ami	ʔita?	t-m-inun	
	Tr	mahu?	ʔsiya?	tgəla?	y-ami	ʔita?	t-m-inun	
	In	mahu?	qsiya?	tgəlaq	y-ami	ʔita?	t-m-inun	
PA		*ma-bahuq	*qusiya?	*tagəliq	*-ami	*ʔita?	*t-um-inun	*ma-qumah
		<i>weep</i>	<i>wet</i>	<i>what</i>	<i>when</i>	<i>where</i>	<i>who</i>	
Ata	Sq	m-ŋilis	m-huziq	nanu?	knwan	ʔinu?	ʔima?	
	Ms	ma-ŋilis	ma-huzi?	nanu?	knuwan	ʔinu?	ʔima?	
	Sk	m-liŋis	m-huyiq	nanu?	knwan	ʔinu?	ʔima?	
	Mx	mi-ŋilis	ma-huwiq	nanu-wan	kanuwan	ʔinu?	ʔima?	
	Pl	ma-ŋilis	ma-huri?	—	kanwan	ʔinu?	ʔima?	
Sed	Tn	l-m-iŋis	m-huriq	manu?	knuwan	ʔinu?	ʔima?	
	Td	l-m-iŋis	m-huriq	manu?	knuwan	ʔinu?	ʔima?	
	Tr	l-m-iŋis	m-huri?	manu?	knuwan	ʔinu?	ʔima?	
	In	l-m-iŋis	m-huriq	manu?	knuwan	ʔinu?	ʔima?	
PA		*ŋilis *liŋis	*ma-huriq	*manu?	*kanuwan	*ʔinu?	*ʔima?	
		<i>wide</i>	<i>wing</i>	<i>winnow</i>	<i>winter</i>	<i>worm</i>	<i>wrap</i>	
Ata	Sq	laban	pali?	t-m-abus	qmis-an	kui?	s-m-abu?	
	Ms	galaban	—	t-am-apus	ʔamis-an	kui?	—	
	Sk	glaban	pali?	t-m-apus	qmis-an	kui?	c-m-abu?	
	Mx	ʔilahan/gilahan	pali?	t-um-apus	qamis-an	kui?	c-um-abu?	
	Pl	ʔahalan	—	t-um-apis	—	kuy-a?	c-um-abu?	
Sed	Tn	glahan	palic	t-m-abus	mis-an	kui?	l-m-abu?	
	Td	llaban	palic	t-m-abus	mis-an	kui?	l-m-abu?	
	Tr	llaban	palic	t-m-abus	mis-an	kui?	l-m-abu?	
	In	llaban	palic	t-m-bus	mis-an	kui?	l-m-abu?	
PA			*palid	*t-um-apəs *t-um-abus	*qamis-an	*kui?	*c-um-abu?	

Reconstruction of Proto-Atayalic Phonology

		<i>write, tattoo</i>	<i>wrong</i>	<i>yawn</i>	
Ata	Sq	matas	—	m-suyap	
	Ms	matas	—	ʔam-suyap	
	Sk	matas	m-nuquʔ	m-suyap	
	Mx	matiq/matras	—	ma-suwag	
	Pl	matas	—	ma-surak	
Sed	Tn	matis ²⁸	qnuuquʔ	m-suwak	
	Td	matas	m-qnuquʔ	m-surak	
	Tr	matas	ma-ʔanuʔuuʔ	m-surak	
	In	matas	m-qnuquʔ	m-surak	
PA		*matas	*ma-qanuquʔ	*ma-surab	
				*ma-suwab	
		<i>year</i>	<i>yesterday</i>	<i>you (sg.)</i>	<i>you (pl.)</i>
Ata	Sq	kawas	hiraʔ	ʔisuʔ	simu
	Ms	—	su-hisaʔ	ʔisuʔ	simu
	Sk	kawas	c-hisaʔ	ʔisuʔ	simu
	Mx	—	cu-hisaʔ	ʔisuʔ	ʔicimu
	Pl	—	hiʔaʔ	ʔisuʔ	cimu
Sed	Tn	kawas	cigaʔ	ʔisuʔ	yamu
	Td	kɤ-kawas	c-hiwaʔ	ʔisuʔ	yamu
	Tr	kawas	s-higaʔ	ʔisuʔ	yamu
	In	kawas	sigʔaʔ	ʔisuʔ	yamu
PA		*kawas	*cu-higʔaʔ	*ʔisuʔ	*cimu
					*yamu

28. The second vowel has irregularly dissimilated to /i/ in the neutral form, also in *patis* 'paper,' but retained as /a/ in the imperative form *ptas-i* 'Write!' in Tojan.

Appendix II. Atayalic Dialects Included in This Study

	Abbreviations	Dialects	Location
Atayal	1. Sq	Squliq	桃園縣復興鄉澤仁村
	2. Ms	Maspazi?	新竹縣五峯鄉大隘村
	3. Sk	Skikun	宜蘭縣大同鄉四季村
	4. Mn	Mnawyan	宜蘭縣大同鄉樂水村碼崙
	5. Mx	Mayrinax	苗栗縣泰安鄉錦水村汶水
	6. Mb	Mabatu?an	苗栗縣泰安鄉清安村洗水坑
	7. Mt	Matabalay	苗栗縣泰安鄉大興村
	8. Sx	Sakuxan	苗栗縣泰安鄉中興村
	9. Pl	Paljawan	南投縣仁愛鄉親愛村萬大
Sediq	10. Tn	Tongan	南投縣仁愛鄉南豐村湓溪
	11. Td	Toda	南投縣仁愛鄉春陽村
	12. Tr	Truwan	南投縣仁愛鄉合作村平生 (靜觀)
	13. In	Inago	南投縣仁愛鄉親愛村松林

REFERENCES

- Blust, Robert A. 1976. Review article, Proto-Austronesian by Otto Christian Dahl. *Language* 52. 1:221-237.
- Dahl, Otto Chr. 1973. *Proto-Austronesian*. Scandinavian Institute of Asian Studies, Monograph Series No. 15. Lund.
- Dempwolff, Otto. 1934-38. *Vergleichende Lautlehre des austronesischen Wortschatzes*. Berlin.
- Dyen, Isidore. 1971. The Austronesian languages and Proto-Austronesian. In Thomas A. Sebeok, ed. *Current Trends in Linguistics*, Vol. 8. Linguistics in Oceania. The Hague.
- Egerod, Søren. 1965a. Verb inflexion in Atayal, *Lingua* 15:251-82.
- _____. 1965b. An English-Atayal vocabulary, *Acta Orientalia* 19:203-20.
- _____. 1966. A statement on Atayal phonology, *Artibus Asiae Supplementum* XXIII (Felicitation Volume for the 75th Birthday of Prof. G. H. Luce) 1:120-30

- _____. 1980. *Atayal-English Dictionary*. Scandinavian Institute of Asian Studies, Monograph Series No. 35. Curzon Press.
- Hirano, Takanori. 1972. A study of Atayal phonology. Unpublished M. A. thesis, Kyûshû University.
- Jakobson, Roman and Morris Halle. 1956. *Fundamentals of Language*. The Hague: Mouton & Co.
- Li, Paul Jen-kuei. 1977. Morphophonemic alternations in Formosan languages. *BIHP* 48. 3:375-413.
- _____. 1980a. The phonological rules of Atayal dialects. *BIHP* 51. 2:349-405.
- _____. 1980b. Men's and women's speech in Mayrinax. *Papers in Honor of Professor Lin Yü-k'eng on Her Seventieth Birthday*, 9-17. Taipei: Wen Shin Publishing Co.
- _____. 1981. Atayalic final voiced stops. Paper presented to the Third International Conference on Austronesian Linguistics, January 19-24, Bali, Indonesia. To appear in *Pacific Linguistics*.
- _____. Forthcoming. Linguistic variations of different age groups in the Atayalic dialects. To appear in *Tsing Hua Journal of Chinese Studies*, New Series.
- Ogawa, Naoyoshi. 1931. *Atayal Vocabulary*. Taihoku: Gouvernement General of Taiwan.
- Ogawa, Naoyoshi and Erin Asai. 1935. *The Myths and Traditions of the Formosan Native Tribes*. Taihoku: Taihoku Teikoku Daigaku Gengo-gaku Kenkyushitsu.
- Tsuchida, Shigeru. 1976. *Reconstruction of Proto-Tsouic Phonology*. Tokyo: Study of Languages & Cultures of Asia & Africa, Monograph Series No. 5.
- Wurm, Stephen A and B. Wilson, eds. 1975. *English Finderlist of Reconstructions in Austronesian Languages (Post-Branstetter)*, Pacific Linguistics C33. Canberra: The Australian National University.
- Yamada, Yukihiro and Ying-chu Liao. 1974. A phonology of Tayal, *Research Reports of the Kochi University* 23. 6:109-117.
- Yang, Hsiu-fang. 1976. The phonological structure of the Paran dialect of Sediq, *BIHP* 47. 4:611-706.

[Received 27 August 1981]

古泰雅語音韻的擬測

(摘要)

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泰雅語羣包括泰雅語與賽德語，各有不少的方言。泰雅語又分兩支：賽考利克亞族與澤敖利亞族。因為賽考利克各方言都相當一致，而澤敖利各方言彼此差別頗大，所以本研究報告只以一種賽考利克方言（澤仁村）為代表，以數種澤敖利方言：大隘村、四季村、錦水村汶水、大興村、親愛村萬大為代表。賽德語是以南豐村、春陽村、合作村與親愛村松林等四種方言為代表。以上各種方言的資料，作者都親自到田野去調查，大部分的方言都去調查過兩次以上。所記錄的每一種方言資料，包括詞彙約一千以及一些動詞的變化，部分方言收有長篇的語料。

本文分三大節。第一節概論介紹泰雅語羣，以前對泰雅語羣音韻的研究，各方言的音韻系統、語音描述、語言分佈、詞音位轉換，並且略述汶水方言男女語言形式的不同及其對於古語研究所提供的重要線索（作者已發表一文 Li 1980b 專門討論這一問題）。第二節是古泰雅語音韻的擬測，其系統如下：

p	t		k	q	ʔ		i		u
b	d	g'	g					ə	
		c							
		s	x	h				a	
m	n		ŋ				ay, aw, uy		
	l	r							
w		y							

第三節討論從古南島語到古泰雅語再到現代方言的演變。泰雅語羣的語音演變大致有共同的趨勢與方向。文後有兩個附錄：附錄一是泰雅語羣的同源字表，附錄二是泰雅

語羣各方言的分類及地理位置表。

擬測古泰雅語最困難的地方就是語尾濁塞音。作者另有專文 (Li 1981) 討論，採用了外部擬測（比較研究）與內部擬測，兩種方法交互運用，證明古泰雅語有四個語尾的濁塞音。本文只略述外部擬測的結果。

不同年齡的語言形式常有所不同，語音與音韻系統也有些差異。泰雅語羣的每一種方言都有這種現象。這種年齡上的差異，表現在語言形式與系統上的不同，是語言演變的主要成因之一。作者另有一文 (Li, forthcoming) 專門討論泰雅語羣不同年齡在語言形式上的差異。本文所列舉的各種方言資料大都根據老年人的發音。

泰雅語羣當中，以汝水方言保存最多的古語現象，而賽考利克方言演變得最厲害。不同方言常保存不同的古語現象。本報告所研究的資料已包括泰雅語羣所有重要的方言。