

SEALS - 22 Agay (France)
THE FOUR REGISTERS OF
PEARIC
Gérard Diffloth, Siem Reap,
Cambodia.

Pearic languages cited here
(from G. Diffloth field notes, collected 1982 -
2012):

- Chong: /cɔ̃ːŋ/, Chong of Makhaam district, Chanthaburi province, Thailand.
- Chu-ng: /cɨ̃ːŋ/, also called "Sa-ouch", of Veal Rinh distr., Kampot prov., Cambodia.
- Samrai: also called "Western Pear", from Kranhung, of Samlout distr., Battambang prov., Cambodia
- Samre: also called "Eastern Pear", from Sre Tăng Yor, of Pursat prov., Cambodia
- Kasong: also called "Chong of Mư̄ng Kratt", of Bo Rai distr., Trat prov., Thailand.
- So-ong: /sɔ̃ːŋ/, also called "Souei", from Trapeang Chou, of Kampong Speu prov., Cambodia.
- Chuang: also called "Pear of Kampong Thom", from Prial vill., of Kampong Thom prov., Cambodia.

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DISTINCTIVE FEATURES of PEARIC REGISTERS

	Clear	Breathy
Steady	v̄	v̤̄
Constricted ("Glottalized")	v̄̚	v̤̄̚

DOG - TOOTH - SALT

	Chong	Chu-ng	Samrai	Samre	Kasong	So-ong	Chuang
"DOG"	c ^h ɔː	c ^h əɔ	c ^h ɔ̃ːp	c ^h ɔ̃ːʔ	c ^h ɔ̃ːɔ	c ^h ɔ̃ːp	cɔː
"TOOTH"	k ^h ɔːy	k ^h əɔy	k ^h uːy	k ^h ɔːy	k ^h ɔːy	k ^h ɔːy	cəmiːŋ
"SALT"	lɔk	lək	lɔk	ʔlɔk	lɔk	ʔlək	ʔlək

Etymological notes:

Cognates to Pearic "salt" are found only in Northern-Austroasiatic languages:

Palaungic: Wa (Paraok): /lɔ̃ːʔ/
 i-Mok: /pluʔ.44/
 Man Met: /puʔ.55/
 Lamet: /plɔ̃ːʔ/

Khasian: *bənɬuk Khasi: /mlɔ̃ːʔ/, spell.: <mluh>
 Darang: /mənnuʔ/
 Amwi: /pənuʔ/
 Mar Skuin: /malioʔu/
 Nong Stoin: /mlɛʔ/
 Langrin: /mlək/
 Lyngngam: /mlək/

RIGHT – LEFT

	Chong	Chu-ng	Samrai	Samre	Kasong	So-ong	Chuang
"RIGHT"	tɛ:w	/	tj:w	tɛ:w	tɛ:w	tɛ:w	tau
"LEFT"	tɛ:ŋ	/	tjaŋ	tɛ:ŋ	tɛ:ŋ	tjəŋ	tɛ:ŋ

Etymological notes:

"right" has no known cognates in AA.

"left" has AA cognates, but, with that meaning, only in Khasian (North-AA):

Khasian: *kə-diaœ "left"	Khasi: /ka-diaœ/
	Bhoi: /diŋ/
	Amwi: /dian/
	Ri Men: /ka-nian/
	Nong Tre: /gə-ŋan/
Katuic: *dian "taboo"	Katu: /diŋ/ (Costello, 1971)
	Chatong: /tjaŋ/ (Thongkum, 2001)
Bahnaric *dian "taboo"	Alak: /ʔde:ŋ/ (Thongkum, 2001)
	Bahnar <dieng, gieng> (Guilleminet, 1959):
	"taboo on speaking, on touching, on mixing certain foods"
Aslian *s-la-dien	Semai: /sladi:k/ "to choke on one's food
	(because one's name is mentioned)"

NUMERALS 1 – 5:

	Chong	Chu-ng	Samrai	Samre	Kasong	So-ong	Chuang
"ONE"	mɔ̌:y	mɔ̌:y	mɔ̌:y	mɔ̌:y	mɔ̌:y	mɔ̌:y	muəy
"TWO"	pə̌:y	pɿ?	pə̌:r	pə̌:r	pə̌:a	pə̌:a	pear
"THREE"	pʰě:w	pʰə̌:ɛw	pʰə̌:y	pʰě?	pʰě:e	pʰě:e	pay
"FOUR"	pʰǒ:n	pʰə̌:ɔn	pʰǔ:n	pʰǒ:n	pʰǒ:n	pʰǒ:n	pɔ:n
"FIVE"	pʰrəm	pɿəm	pʰrəm	pʰrəm	pʰrəm	pʰrəm	pram

NUMERALS 11 - 15 (all prefixed by /rɛy-/ , reduced form of /rə̌:y/ "ten")

"ELEVEN"	-mɔ̌:y	/	-mɔ̌:y	-mɔ̌:y	-mɔ̌:y	/
"TWELVE"	-pə̌:y	/	-pə̌:r	-pə̌:r	-pə̌:l	/
"THIRTEEN"	-pʰě:	/	-pʰə̌y	-pʰě:	/	/
"FOURTEEN"	-pʰǒ:n	/	-pʰǔ:n	-pʰǒ:n	-pʰǒ:n	/
"FIFTEEN"	-təm	/	-təm	-təm	-təm	/

NUMERALS 6 – 10:

	<u>Chong</u>	<u>Chu-ng</u>	<u>Samrai</u>	<u>Samre</u>	<u>Kasong</u>	<u>So-ong</u>
"SIX"	kətɔːŋ	kətəɔŋ	kruːŋ	krɔːŋ	kədɔːŋ	kəɔpɔːŋ
"SEVEN"	(kə)nɯːy	kənɯːl	kənɯːl	kənɯːl	kənɯːl	kənɯːl
"EIGHT"	(kə)tɛy	kətɛy	kərtjː	kərtɛy	kətjː	kərtɛy
"NINE"	kə(n)cəːy	kəŋcɛː	kənsaːr	kənsaːr	kəsaː	kənsaː
"TEN"	rəːy	ɣiːy	rəːy	rəːy	rəːy	rəːy

Etymological notes:

PEA "six", "nine" and "ten" have no known etymology.

PEA "seven" is an -n- infixated derivative from a root *guːl "seven" found only in Khmuic (North-AA):

Khmu: /guːl/ (ceremonial language)

Mla Bri: /gul/

Thai Then: /gul/

Iduh: /gəlgul/

PEA "eight" is derived by morphology or by compounding from the word for "hand"; as a numeral it has cognates only in Palaungic and Khmuic (North-AA):

Lawa (Bo Luang): /sataiʔ/

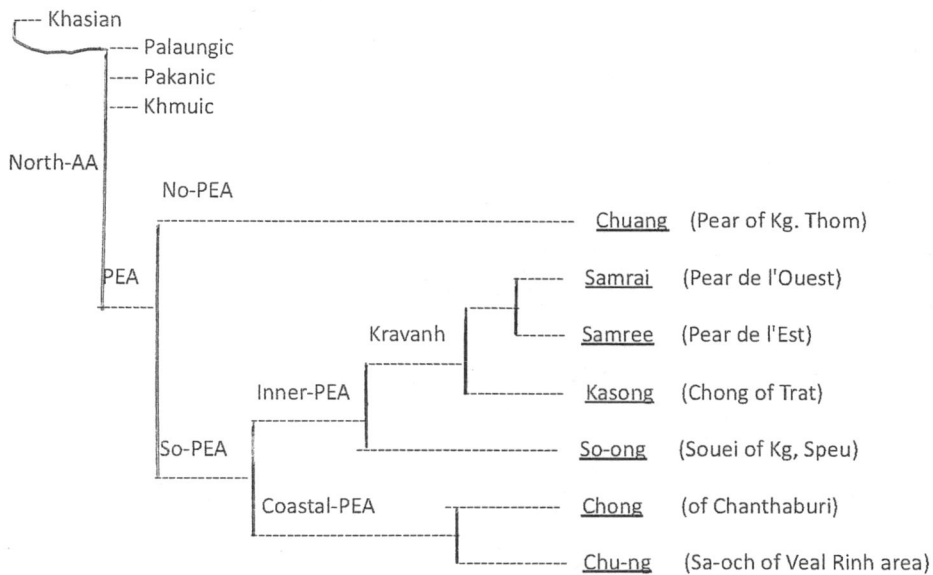
Wa (Paraok): /sindəeʔ/

Plang: /satiʔ/

Khmu': /tiʔ/ (Proschan, field notes)

Mla Bri: /tiʔ/

PHYLOGENY of PEARIC (G. D. 2012)



PRE-GLOTTALIZED INITIALS

*ʔm-, *ʔn-

*ʔm-

Chong Chu-ng Samrai Samre Kasong So-ong Chuang

"SWIDDEN"

bə:y bə: mə:r ʔmə:r mə:l ʔmə: (<marr>)

"YOUNGER-SIBLING"

bət bəot mət ʔmət mət ʔmət /

"PRESSED-RICE" (Khmer: mbək, Thai: khâaw mâw)

bɯ:ŋ bɯŋ mɯ:ŋ ʔmɯ:ŋ / ʔmɯ:ŋ /

"LEMON-GRASS (Cymbopogon citratus)"

kəmɯ:c tɛbɯ:c kəmɯ:c təmɯ:c təmɯ:c trəʔmɯ:c /
təmʔmɯ:c

PRE-GLOTTALIZED INITIALS *ʔm-, *ʔn-

*ʔn-

Chong Chu-ng Samrai Samre Kasong So-ong Chuang

"OLD (object)"

d̪aːŋ d̪aːŋ n̪aːŋ ʔn̪aːŋ n̪aːŋ ʔn̪aːŋ /

"WATER-GOURD (Luffa cylindrica)"

d̪ɔŋ d̪aŋ n̪ɔ()ŋ ʔn̪ɔŋ n̪ɔŋ ʔn̪ɔŋ ŋʔn̪ɔŋ

"(S)HE, THEY"

d̪ək d̪ək n̪ək ʔn̪ək n̪ək ʔn̪ək /

ASPIRATION of PRE-VOCALIC STOPS

	Aspirated		Un-aspirated	
	Clear		Clear	Breathy
Steady	v̥		v̥	v̥
Constricted	v̥̚		v̥̚	v̥̚

ASPIRATION in SOUTH-PEARIC

	<u>Chong</u>	<u>Chu-ng</u>	<u>Samrai</u>	<u>Samre</u>	<u>Kasong</u>	<u>So-ong</u>	Chuang
"CHILD"	k ^h ɛ:n	k ^h æ:n	k ^h i:n	k ^h ɛ:n	k ^h ɛ:n	k ^h ɛ:n	kien
"FATHER"	/	/	k ^h u:n	k ^h u:n	k ^h u:n	k ^h u:n	ko:n
"TO EAT"	c ^h ɑ:	c ^h ɑ:	c ^h ɑ:	c ^h ɑ:	c ^h ɑ:	c ^h ɑ:	ca:
"BE COOKED"	c ^h i:n	c ^h i:n	c ^h i:n	c ^h i:n	c ^h i:n	c ^h i:n	cʔʌn

ASPIRATION in SOUTH-PEARIC

	<u>Chong</u>	<u>Chu-ng</u>	<u>Samrai</u>	<u>Samre</u>	<u>Kasong</u>	<u>So-ong</u>	Chuang
"TO WEAVE"	t ^h ɑ:n	/	t ^h ɑ:n	t ^h ɑ:n	t ^h ɑ:n	t ^h ɑ:n	tɑ:n
"EARTH"	t ^h ɛ?	t ^h æ?	t ^h ɑ'y	t ^h ɛ?	t ^h ɛ'e	t ^h ɛ'e	tay
"TAIL"	p ^h ət	p ^h ət	p ^h ah	p ^h ah	p ^h ah	/	pah
"HUSKED RICE"	kək ^h ɔ:	/	rək ^h aw	rək ^h ɔ:	lək ^h ɔ:	rək ^h ɔ:	rəkau
"DOG-TICK"	t ^h ɛ?	kət ^h ɛ'i	/	/	/	t ^h ɛ'e	rəntai

Proto AA *ASPIRATES

"BE ANGRY"

p^hɛ̃ːm / p^hɨ̃ːm p^hɛ̃ːm / p^hɛ̃ːm pɛ̃ːm

"TO FART"

p^hũːm p^hõːm p^hũːm p^hũːm p^hũːm p^hũːm pʔoːm

Chuang aspirated stops are found only in borrowings (from Khmer)

Conclusions 1: Chuang did not undergo aspiration.

2: Aspiration is not Proto-Pearic but only South-Pearic

3: Chuang is the earliest branching from Proto-Pearic.

4. Proto-Pearic seems to have lost the aspiration of P.AA aspirates

5. This loss may be shared with a similar loss in Proto-Khmuic.

KHMUIC LOSS of MEDIAL *-h-

"BE SATIATED"

AA: Rumai: phae, Mang: hi:.55, Alak: bəhe?, JahHut: bəhe?

KMU: Khmu': bi?, Prai: pi?, MlaBri: bi:?, Then: kəbe?, Pong: gəbɛɛ,
Iduh: gəbɛi.

PEA: Chong: pe?, Chu-ng: pi? Samrai: peːi Samre: pe? Kasong:
pɛ̃ e ("to appreciate (food), (food) to be tasty").

"TO FART"

AA: Rumai: pham, Mang: ham.42, Alak: pəhoːm, JahHut: phum

KMU: Khmu': puːm, KsingMul: poːm, Then, Pong: pom, Iduh: pɛm m

PEA: Chong: p^hũːm, Chu-ng: p^hõːm, Samrai, Samre, Kasong, So-ong:
p^hũːm, Chuang: pʔoːm

GLOTTALIZED REGISTERS

1) AA cognates with medial segmental *-ʔ-

"SPOILED (food)"

AA: Khasi: pəʔut, Pacoh: piʔu:ỹ, Jahai: pəʔus.

PEA: Chong: pɨ̃:t, Chu-ng: pɔ̃'un, Samrai, Samre, So-ong: pɨ̃:h

"CROW"

AA: Khasi: kənʔiʔ, Khmu: kəlʔa:k, Kuay: kəʔa:k, Khmer: kəʔaεc, NyahKur: kəlʔa:k, Mon: hədʒac

PEA: Chong: kəň̩:k, Chu-ng: kə̌ŋ, Samrai, Samre, Kasong: kə̌:k, Chuang: kəň̩a:k

"WASP"

AA: War: cʰəlʔɔ:r, Khmu: cənʔu:r, Iduh: jəʔɛ:r, Kuay: təʔɔ:r, Car: taʔo:.

PEA: Chong: tʰɨ̃y, Samre: tʰɨ̃:r, Kasong: tʰɨ̃.53, So-ong: tʰɨ̃u, Chuang: tʰo:r.

"HOG-PLUM (Spondias pinnata)"

AA: Katu: gaʔʰal, Sre: gəʔa:l, NyahKur: kəʔi:l, Mon: ʔi:

PEA: Chong: kə̌:y, Samre, Samrai, Kasong, So-ong: kə̌:l

"FISH-SMELL"

AA: Khmer: cəʔa:p, Heuny: ʃa:p.

PEA: Chong: cə̌:p, Chu-ng: cə̌:m, Samrai, samre, So-ong: cə̌:p, Chuang: cəʔa:p.

GLOTTALIZED REGISTERS

1a) cognates with segmental *-ʔ- only in some AA languages

"TWO"

AA: Khasi: ʔa:r, Lamet: ləʔa:r, Khmu: kəba:r, Iduh: mbaʔr, Semai: ʔna:r.

PEA: Chong: pə̌:y, Chu-ng: pɨ̃ʔ, Samre, Samrai pə̌:r, So-ong: pə̌a, Chuang: pə̌a
pear

"BE COOKED"

AA: Rumai: si:n, ManMet: sin.55, Mang: θin.32, Khmu: si:n, Kuay: cɛ:n, VN: chin, Kri: ci:nʔ, Alak: ci:n, Khmer: cəʔʌn, Semai: cɛ:t, Nancauri: ʔiəiən.

PEA: Chong, Chu-ng, Samrai, Samre, So-ong: cʰĩ:n, Chuang: cəʔʌn

GLOTTALIZED REGISTERS

2) etyma with Chuang segmental /-ʔ-/ , but without AA segmental *-ʔ-

"BIRD"

AA: Khasi: sim, Khmu': si:m, Bit: cem, Iduh: ciã'm, Kuay: cɛ:m, Semai: cɛ:p, Nancaury: əi:m
PEA: Chong, Chu-ng, Samrai, Samre, Kasong, So-ong: cʰi:m, Chuang: cʔe:m

"BE AFRAID"

AA: Khasi: tɛ:ŋ, Iduh: tɯŋ'ŋ, Kuay: tɯŋ, Shompen: tuak.
PEA: Chong: tɔ'ŋ, Chu-ng: tɔ'ŋ, Samrai: tɯ'ŋ, Samre, So-ong: tɔ'ŋ, Chuang: tɛʔɔ:ŋ

"ASHES"

Khmu': bɔh, Iduh: bɔ'h, Kuay: bɔh, Alak: buh
PEA: Chong, Chu-ng: pɔh, Samrai, Samre, So-ong: pɔ'h, Chuang: pɛʔɔh

"HOUSEFLY"

AA: Rumai: rɔ:ɛ, Khmu': rɔ:y, Iduh: rɯ:y'y, Kuay: rɔ:y, Khmer: ruy, Semai: rɔ:y, Nancaury: rúay
PEA: Chong: rɔ'y, Chu-ng: rɯ'y, Samrai: rɯ'ɛy, Samre, Kasong, So-ong: rɔ'y, Chuang: rɛʔɔ:y

"SLOWLY"

AA: Paraok: kɔy, Khmu': gɔ:y, Iduh: gɔ:y'y
PEA: Chong: kɔ'y, Chu-ng: kɯ'y, Samrai, Kasong, So-ong: kɯ'ɛy, Chuang: kɛʔɔ:y