THE PHONOLOGY OF THE DUNG DIALECT OF MOKEN

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1. INTRODUCTION

Moken is a Malayo-Polynesian language spoken by Sea Gypsies living in the western coastal waters of Burma and Thailand. The people refer to themselves as Moken or Mawken. They are called Selung or Salon by the Malays and Burmese. For further discussion of names see Lewis (1960:1) and Hogan (1972:206-207).

The dialects of Moken spoken off the west coast of Thailand have been studied by Sorat (1981) and Sudarat (1984). They have identified two major dialects in Thai waters which they refer to as the Moken and Moklen dialects. They also agree that Urak Lawoi' is not to be considered a dialect of Moken, but is a separate language more distantly related.

Sorat (1981) makes a lexicostatistical comparison of word lists taken from some eleven locations. He concludes that two languages are involved, Moken in the north and Urak Lawoi’ in the south, with Moken comprising two dialects: Moken dialect (Victoria Point, Ranong and Rawai) and Moklen dialect (Bangsak, Thai Muang and Tha Chatchai).

Sudarat (1984) makes a comparative study of Moken, Moklen, and Urak Lawoi’, all as spoken in Rawai Village, Phuket. She concludes (p.180) that Moklen and Moken reconstruct as Proto Moken-Moklen and that Urak Lawoi’ is more distantly related.

The Moken dialect situation in the Burmese islands has not yet been the subject of systematic investigation, though dialect names and locations have been suggested by a number of scholars. Walter Grainge White (1922) recognised four dialects of Moken: the Dung dialect spoken in the Mergui area; the Jaet dialect spoken in the area of Lampi Island and Bokpyin; the L’be dialect spoken around Victoria Point and Saint Matthew Island; and the Lawta dialect spoken around Lanta Island and Phuket in Thailand. (The Lawta dialect he refers to would appear to be not a dialect of Moken but is rather the Urak Lawoi’ language.)

Hogan (1983:1-2) refers to five dialects: the L’be dialect which he says is spoken in an area extending from Tavoy Island southward to the islands off Bokpyin; the Dung dialect which is spoken in the islands off the town of Mergui; the Jade dialect which is spoken in the southern islands as far as Victoria Point and on into Thai waters further south; the Moklen dialect which is spoken on the islands at the mouth of the Takuapa River and south along the

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1 I wish to acknowledge with thanks the help of many people in the analysis and writing of this paper (which sometimes bordered on co-authorship) and especially of Austin Hale, David Hogan, and David Thomas, as well as Hermann Janzen, Kent Gordon, and Dorothy Thomas. My main informant and colleague was Pawleik of Dung Island.

2 Lampi Island, also known as Sullivan Island, is called L’be Island in Moken.

3 Lawta is the Moken name for Lanta Island south of Phuket, which is the traditional point of origin of the Urak Lawoi’ people of that area.


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coast as far as the northern end of Phuket Island; and the Phuket dialect, spoken in Rawai Village in Phuket Island and on Peepee Island in Krabi Province.

Older Moken people living on Tavoy Island have told me that their ancestors came from the south, from the Jaet area, looking for a better place to make their livelihood. And the similarities between Tavoy and Jaet vowel glides would seem to confirm their account. Tavoy intonation, however, is different from Jaet intonation. Further clues to points of origin may be obtained from a comparison of dialect names with Moken placenames. It is quite possible that these name relationships antedate White's report by a considerable time span. The Moken names for the dialects spoken in Burmese waters are Dung, Jaet, and L'be. Dung is also the Moken name for two islands, Elphinstone and Ross.4 These islands still constitute the centre of the Dung dialect area, and in this case it seems fairly clear that the dialect name has a geographic origin. If we assume that Jaet and L'be originally also had geographic reference in Moken, we have not far to look. Sa-ii Island is referred to in Moken as Jaet, and Lampi Island is referred to as L'be.

The earliest Moken primer using Pwo Karen script (A primer of the Selong language, 1846) contains a note by the Reverend D.L. Brayton written at Mergui in October 1844 drawing attention to the variety of pronunciations heard.

More recently the French anthropologist Ivanoff has spent some time with the Moken people living on Surin and Phra Thong Islands near Takuapa, where he has had contact also with Moken people who have come down from Burma. He has published a map showing five subgroups of the Moken people: Dung, Jait, Lebi, Niawi and Jadiak (Hogan’s ‘Jade’ group). He does not claim that these subgroups represent different dialects, but rather that they show groupings based on the island areas which are their normal habitat (Ivanoff 1985:173-176).

Hogan has now checked these subgroups with Moken informants in Rawai village on Phuket Island. They all say that they come from the Jadiak group which is based on Saint Matthew’s Island off Victoria Point. Therefore Hogan no longer calls this the Jade dialect, but the Jadiak (rather than Chadiak). His previous listing of a Phuket dialect seems unnecessary as the older people there all speak Jadiak while the younger people speak a version adulterated by a mixture of Urak Lawoi’ and Thai. The informants say that Niawi differs only slightly from Jadiak, and Lebi is slightly different again. They know little about the two northern dialects of Dung and Jait.

On the basis of this information it is considered that we can now give a tentative listing of six dialects of Moken, including Dung, Jait, Lebi, Niawi, Jadiak and Moklen (spoken only in Thailand). The map is based on Ivanoff’s map, modified to show more details of the groups in Thailand.

It is hoped that further research can establish more precisely whether Lebi, Niawi and Jadiak need to be differentiated as three separate dialects. Similarly the precise relationship between Dung and Jait needs more careful study. A preliminary check of Dung and Jait via a 300-word list shows more than 90 per cent cognates and the phonological shifts appear to be regular, involving mainly the front and back vowels.

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4 In earlier Moken usage, Dung was the name used specifically to refer to Elphinstone Island, and Ross Island was referred to as Moun. In current Burmese administration usage Elphinstone Island is called Done Paleh Awe and Ross Island is called Done Kama Chaung.
MAP: MOKEN DIALECTS
When I first started my research on Moken in 1967, it was with two speakers of the Jait dialect from Mali Island (Tavoy Island). My first visit to the language area was in 1973 and since 1974 I have spent part of every year on Elphinstone Island, where the Dung dialect is spoken (and if the line of reasoning suggested above is valid, where it has been spoken ever since the dialect acquired its present name). A tentative census report in 1972 placed the Moken population in Burmese waters at more than 4,000 people, of which some 500 are speakers of the Dung dialect dealt with in this paper.

Examples in this paper are given in phonetic script. There is a current Burmese-based Orthography. (A paper discussing this orthography is in preparation.) There have been at least two earlier orthographies for the Moken language, both based on the Dung dialect: one Pwo Karen-based and the other Roman-based (Lewis 1960:4ff.); neither one is in current use. According to Lewis (p.4), the Reverend E.A. Stevens was the one who devised the Karen-based script, which W.G. White (1911:19) describes as consisting of Pwo Karen characters with certain additional signs. Lewis reproduces Stevens’ remarks on the script.

The remainder of this paper consists of three sections on word and syllable structure, vowels, and consonants respectively, and of a brief sample text.

2. WORD AND SYLLABLE STRUCTURE

A very brief account of the phonology of the Dung dialect of Moken appeared in an unpublished paper (Hogan 1983) in which a Thai orthography is proposed for Thai dialects of Moken. Other than this, little has been written on Dung Moken phonology.

Dung phonological word structure consists minimally of a major syllable, preceded optionally by either a minor syllable or by a pre-syllable, as has been noted also for the Phuket dialect of Moken (Hogan 1983:12 following Veena 1980). This typically Mon-Khmer word structure is presumably the result of old Mon influence.

Major syllables in the Dung dialect can be either open or closed, and they receive primary word stress. They manifest a larger set of contrasting vowels than either of the other two syllable types, since only in major syllables do vowels contrast for length or tenseness. In fact, contrasts of vowel length are to be found only in closed major syllables, since the vowels of open major syllables both lax and tense are all long.

Minor syllables do not have final consonants. Their vowels are phonetically intermediate in length between the short and long vowels of major syllables, and they receive secondary stress. Minor syllables manifest a system of six contrasting vowel qualities. Neither vowel length nor the tense-lax distinctions are contrastive within minor syllables. The vowel in minor syllables is phonetically slightly longer than the short vowels of major syllables, indicated by a single dot in the examples.

Pre-syllables are unstressed, lack final consonants and manifest only a single vowel, a short, phonetically unstable schwa which is essentially just an open transition between the initial consonant and the first consonant of the next syllable. In faster speech this schwa may be completely dropped.

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5 The census report was a personal communication from U Than Tun, who accompanied Major Aye, the officer in charge of census taking in the area from Tavoy Island to Victoria Point in 1972.
Primary word stress thus falls on major syllables, secondary word stress on minor syllables, and pre-syllables are unstressed.

In the written form of closed syllables, stress is predictable by virtue of the fact that only major syllables can be closed, and syllable-final consonants are marked in Burmese writing. With open major syllables, however, it is necessary to mark word boundaries with a space if stress patterns are to be correctly predicted apart from the recognition of lexical items. Minor syllables are distinguished from pre-syllables on the basis of their vowels.

In the following examples secondary stress is indicated by a grave accent (\), and primary stress by an apostrophe ('), preceding the syllable. Pitch contours are represented by lines above the phonetic transcription. It will be seen that pitch contours are predictable for words elicited in isolation, so they have been written only on the first few sets of examples. The primary stress has high pitch, which then falls unless the syllable ends in /h/, in which case the high pitch remains level or slightly rising and there is a somewhat breathy voice quality. (It would be possible to interpret [h] as a suprasegmental prosody of breathiness, but this would have only restricted occurrence.) Some fairly clear Thai loans are marked (T). Interestingly, a large portion of the monosyllabic words appear to be loans from Thai.

The following are examples of words in which a major syllable is preceded by a minor syllable.

\[ ka'toe \] /katoy/ spirit
\[ da'ra:] /data/ upon
\[ da'tah \] /datah/ long
\[ ko'leet \] /kolet/ bark of a tree
\[ bu'buŋ \] /bubuŋ/ ridge of a roof

The following are examples of words in which a major syllable is preceded by a pre-syllable. Pre-syllables contrast with minor syllables in that pre-syllables are unstressed and they manifest only the indeterminate short vowel, schwa.

\[ ko'man\] /kaman/ night
\[ pa'dze:\] /peje/ tide in
\[ ma'lan\] /malan/ to swallow
\[ ba'dze:\] /beje/ to stand in a group

The following are examples of words consisting of a major syllable not preceded by either a minor syllable or a pre-syllable.

\[ ka:n\] /kən/ work (T)
\[ ba:\] /ba/ insane (T)
3. CONSONANTS

The set of contrastive consonants differs according to position within the syllable. There are two positions, syllable-initial and syllable-final, and the set of consonants occurring in the former is considerably larger than in the latter. As can be seen in Figure 1, syllable-final position is characterised by a loss of contrast for voicing and aspiration, as well as by a loss of the palatal stop/affricate series and /l/.

![Moken consonants diagram]

**Figure 1: The consonant systems operative in syllable-initial and syllable-final position.** (/r/ and /l/ are interchangeable in many words.)

The Southern Jadiak dialect (Hogan 1983:11, following Veena 1980:43) has a syllable-initial system which differs from that given for Dung in Figure 1 only in that Southern Jadiak has /s/, which Dung lacks, and the /r/ of Dung is not mentioned. It remains to be seen whether any of the Moken dialects spoken in Burmese waters share this /s/ with Southern Jadiak. The syllable-final systems of the two dialects are identical.

In syllable-initial position the following twenty-two different consonants can occur.

\[
\begin{array}{c|c|c}
/k/ & /kaʔae:/ & tree \\
 & /teʔkan:/ & mats \\
/kh/ & /kʰaaʔˈdзиːːŋ/ & roof \\
 & /kʰaaʔˈloːŋ/ & sea \\
/l/ & /ɡiˈlen:/ & to roll up \\
 & /ɡiˈlaoːŋ/ & valley \\
/n/ & /ŋoˈpoeː/ & to jump into \\
 & /moŋapː/ & to catch \\
\end{array}
\]
/c/  [tɕi-tɕom-]  /cicom/  bird
    [tɕoɲæm:]  /ɕoɲe:m/  cold

/ch/  [pɛ-tʃaŋ:]  /pɛchan/  banana
    [mɔ'tcu:]  /mɔchu/  to raise the hands

/j/  [dza-bu:]  /dabu/  bumble bee
    [pa'dze:]  /poje/  for the tide to come in

/p/  [mɔɲam]  /mɔɲam/  to eat
    [mɔɲiːŋ]  /mɔɲan/  to walk

/n/  [ke-ˈtam-]  /ketam/  black
    [to-laːŋ]  /luŋŋ/  eggplant

/th/  [ˈθeːn]  /θem/  chair
    [maθu:n]  /məθum/  to carry on the head

/d/  [ˈdɑ-taː]  /data/  upon
    [du-ˈdun-]  /dudun/  rice water

/h/  [no’məː]  /nɔːmuʔ/  cattle
    [pe-ŋəŋ]  /pəŋŋ/  areca nut

/p/  [mə-ŋəŋ]  /məŋŋ/  to rest
    [pəlo:aŋ]  /pəloan/  tender (of fruit)

/ph/  [ˈfha-ˈloː]  /phalo/  to tease
    [ˈphuŋəʔ]  /phuŋeaʔ/  country

/h/  [ba-ˈtæŋ]  /bataŋ/  at the foot, beginning
    [boː]  /bo/  boy

/m/  [mo phɛ-ðː]  /məphaʔ/  to elope
    [tɕo'min]  /ɕomin/  glass

/y/  [ˈka-ˈyap-]  /kayap/  a kind of sickness
    [ʔoˈyaːt:]  /ʔoyaʔ/  trust

/l/  [tɔ-ˈlaŋ]  /tolŋ/  to help
    [loˈmaŋŋ]  /lomuŋŋ/  howling of a dog

/w/  [ˈwŋ]  /wŋ/  circle
    [tɕoˈwat]  /cwat/  clothes

/h/  [ˈhɑː]  /hɑː/  negative particle

/l/  [ʔu-ˈleːt-]  /uleːt/  cicada
    [ʔɔˈtak]  /ʔotak/  head

/r/  [paˈranŋ]  /pəranŋ/  knife
    [ʔɔˈrəŋ]  /ʔoraŋ/  duck

In syllable-final position the following ten consonants can occur.

/k/  [dok-]  /dok/  plentiful
    [ma-ˈnɔk-]  /manɔk/  chicken
4. VOWELS

As may be seen in Figure 2, there is basically a seven-vowel system, plus length and tenseness contrasts and two centring glides.

\[
\begin{array}{cccc}
ea & i & u & o\alpha \\
e & o & & \\
\varepsilon & & & \varepsilon
\end{array}
\]

\(a\)

**FIGURE 2: MOKEN VOWELS**

In pre-syllables only a neutral central vowel can occur (see previous examples).

In minor syllables there are six vowels that can occur.

\(/i/\quad \{\text{'c\text{\textae}t\text{\textae}c\text{\textae}m\text{\textae}}\}\quad /\text{cicom}/ \quad \text{bird}

\(/e/\quad \{\text{'b\text{\textae}t\text{\textae}o\text{\textae}k\text{\textae}}\}\quad /\text{bitoak}/ \quad \text{star}

\(/e/\quad \{\text{'k\text{\textae}t\text{\textae}m\text{\textae}}\}\quad /\text{ketam}/ \quad \text{black}

\(/e/\quad \{\text{'p\text{\textae}t\text{\textae}cha\text{\textae}n\text{\textae}}\}\quad /\text{pecha\text{\textae}n}/ \quad \text{banana}
\(/u/ \quad \text{[bu'lo:i]} \quad /\text{buloy}/ \quad \text{feather, hair} \\
\text{[bu'la:n']} \quad /\text{bulan}/ \quad \text{moon} \\
\text{[ku'lu:] } \quad /\text{kuluy}/ \quad \text{earthen jar} \\
\text{[ko'lon]} \quad /\text{kolon}/ \quad \text{slave} \\
\text{[to'lon']} \quad /\text{tolon}/ \quad \text{to help} \\
\text{[khə'dzi:oŋ]} \quad /\text{khajey}/ \quad \text{roof} \\
\text{[ba'tan']} \quad /\text{batan}/ \quad \text{at the foot, beginning} \\
\text{[lo'la:lo'la:]} \quad /\text{lola lola}/ \quad \text{passing to and fro} \\

\begin{figure}
\begin{center}
\begin{tikzpicture}
  \node (cv) {CV};
  \node (cv2) [below=of cv] {CV};
  \node (cvc) [right=of cv2] {CVC (closed)};
  \node (cvc2) [right=of cvc] {CVC (open)};
  \node (long) [above=of cvc] {long};
  \node (short) [above=of cvc2] {short};
  \node (tense) [above=of long] {tense};
  \node (lax) [above=of long] {lax};
  \node (tense2) [above=of short] {tense};
  \node (lax2) [above=of short] {lax};

  \node (i) [left=of tense] {i: \text{[ai]}};
  \node (i2) [right=of tense] {i: \text{[ai]}};
  \node (i3) [below=of tense] {i: \text{[ai]}};
  \node (e) [left=of lax] {e: \text{[ae]}};
  \node (e2) [right=of lax] {e: \text{[ae]}};
  \node (e3) [below=of lax] {e: \text{[ae]}};
  \node (a) [left=of tense2] {a: \text{[ra-ea]}};
  \node (a2) [right=of tense2] {a: \text{[ra-ea]}};
  \node (a3) [below=of tense2] {a: \text{[ra-ea]}};

  \node (u) [left=of lax2] {u: \text{[au]}};
  \node (u2) [right=of lax2] {u: \text{[au]}};
  \node (u3) [below=of lax2] {u: \text{[au]}};
  \node (o) [left=of tense2] {o: \text{[o]}},
  \node (o2) [right=of tense2] {o: \text{[o]}};
  \node (o3) [below=of tense2] {o: \text{[o]}};
  \node (a) [left=of lax2] {a: \text{[a]}};
  \node (a2) [right=of lax2] {a: \text{[a]}};
  \node (a3) [below=of lax2] {a: \text{[a]}};
  \node (e) [left=of lax2] {\varepsilon: \text{[e]}};
  \node (e2) [right=of lax2] {\varepsilon: \text{[e]}};
  \node (e3) [below=of lax2] {\varepsilon: \text{[e]}};
  \node (a) [left=of lax2] {\varepsilon: \text{[a]}};
  \node (a2) [right=of lax2] {\varepsilon: \text{[a]}};
  \node (a3) [below=of lax2] {\varepsilon: \text{[a]}};

  \draw[->] (cv) -- (cv2);
  \draw[->] (cv2) -- (cvc);
  \draw[->] (cv2) -- (cvc2);
  \draw[->] (cv) -- (long);
  \draw[->] (cv) -- (short);
  \draw[->] (long) -- (tense);
  \draw[->] (long) -- (lax);
  \draw[->] (short) -- (tense2);
  \draw[->] (short) -- (lax2);
  \end{tikzpicture}
\end{center}
\caption{The vowel systems operative within each syllable type}
\footnotesize{(Phonetic length differences, though shown here, are contrastive only within the closed major syllable. Tense vowels are diphthongs in both CVC and CV major syllables. * indicates a contrast which is phonetically marginal.)}
\end{figure}
In closed major syllables the following seven different long tense vowels and one tense centring diphthong can occur.

/ɪə/  [tʰəi:n]  /ci:n/  Chinese
[ˈtʰəiːn]  /caʔi:n/  pungent
[ˈmei:n]  /meiʔi:n/  thumb

/eə/  [ˈkeʔəːn]  /kkeʔən/  to deceive
[ˈkeʔən]  /keʔən/  sea water
[joˈlaːn]  /joːleʔi:n/  pearl

/uə/  [ˈkaʔau:n]  /kaʔuʔi:n/  bamboo
[ˈboʔau:n]  /boʔuʔi:n/  spirit poles

/oə/  [koˈbəo:ʔə]  /koʔoʔi:/  lazy
[ˈgiʔlaːn]  /ɡiʔən/  valley

/oʔ/  [maˈloːʔi]  /maʔoʔi/  to set free
[ˈkaʔoːʔi]  /kaʔoʔi/  a kind of tree

/æa/  [ˈmaʔiːʔən]  /maʔɛʔən/  to walk
[ˈchɛam]  /chaʔən/  bruise

The phoneme /ea/ may vary phonetically between [iː], [eː], and [ɛː], and /oa/ may vary phonetically between [uː], [oː] and [ɔː]. /ea/ also occurs in lax closed syllables, and lax /oa/ can occur in open or closed syllables (see Figure 3). In tense /ea/ the tenseness is focused on the first syllable.

In closed major syllables the following seven long lax vowels and two centring diphthongs can occur.

/iə/  [ˈkʰoʔiːn]  /khəli:n/  time after time
[ˈbiʔiːn]  /biʔi:n/  lips

/eə/  [maʔiːn]  /maʔiːn/  melodious
[ˈtʰiʔiːʔə]  /citʰiːʔi:/  pumpkin
[ˈθiʔiːn]  /θiʔiːn/  chair

/eʔ/  [ˈʔuʔiːt]  /ʔuʔiːt/  cicada

/uə/  [maʔuθu:n]  /maʔuθu:n/  to carry on the head
[maˈluːm]  /maʔluːm/  to comfort (a child)

/o/  [ˈkʰoʔloːn]  /khəloːn/  sea
[ˈluʔθoːn]  /luʔθoːn/  a small basket

/oʔ/  [ˈbaʔtʰoːn]  /baʔtʰoːn/  head of a stairway
[ʔuʔtʰoːn]  /ʔuʔtʰoːn/  a green snail shell

/a/  [koˈlaːn]  /kəlaːn/  eagle
[ˈkaʔbaːn]  /kəbaːn/  boat

/ea/  [ˈmeʔkʰɛʔan]  /mekʰənaʔ/  to write (T)
[ˈmaʔneʔan]  /maʔneʔan/  to sew

/oə/  [maʔloːʔi]  /maʔloʔi/  to tempt
[ˈphoʔloːʔi]  /phoʔloʔi/  tender (of fruit)
In closed major syllables seven short vowels can occur, as listed below. The distinction between /e/ and /e/ is phonetically very narrow and difficult to hear.

/ɪ/  [mɔ'phukː]  /mɔphik/  to turn over
    [mɔ 'nukː]  /manik/  to think
/ɛ/  ['gi-'lenː]  /gilen/  to roll up
    [mə'penː]  /məpən/  to rest
/ɛ/  ['me-'lekː]  /məlek/  pepper
    ['tə'bekː]  /əbek/  tadpoles
/ʌ/  ['bu-'bupː]  /bubup/  top of the roof
    [mətʃunː]  /məchun/  fighting cocks
/ə/  ['bu-'lokː]  /bulok/  putrid foul odour
    ['la-'tɔnː]  /laton/  a giant turtle
/ɔ/  ['kɔ-'lɔnː]  /kɔlɔn/  slave
    [mə'noːkː]  /mənɔk/  chicken
/ʌ/  ['tə-'kanː]  /təkan/  mats
    ['ʔɔ-'takː]  /ʔɔtak/  head

There are also a few cases, mainly involving loan words from Thai, which may possibly point to a marginal tense/lax contrast in short /a/: [lak:] ‘post’ (T), [ʔak] ‘love’ (T), [mələn] ‘to swallow’, [mələn] ‘to beat’, [mənəp] ‘to submerge’, [mənəp] ‘to count’ (T).

In open major syllables seven long tense vowels can occur. These vowels have a tense voice quality and are on-gliding diphthongs, a system reminiscent of Mon-Khmer register complexes which may be the result of Mon-Khmer (Old Mon?) influence. Instrumental study of this ‘tenseness’ has not been possible. This tenseness and on-gliding has been observed in both open and closed syllables.

These tense diphthongs are either on-glides such as [aː] and [aː] with the tenseness focused on the second segment, or they have equal tenseness on both segments, as in [nəkː] /na/ ‘field’ (note the tenseness on this Thai loan, found also on some other Thai loans).

/ɪ/  [la-'tʰəeiː]  /ləčʰiː/  beautiful
    [pʰo-'rəiː]  /phɔriː/  rich
/ɛ/  [la-'tʰəeː]  /ləčeː/  book
    [ko'laeː]  /kəłeː/  friends
/ɛ/  [məeː]  /məeː/  girl
    [ko'laeː]  /kəłeː/  just now, only now
/ə/  [kauː]  /kəuː/  a kind of snail
    [no'məuː]  /nəmuː/  cattle
/ɔ/  [baː]  /boː/  well (for water) (T)
    [ʔə'kəoː]  /ʔəkəoː/  forearm
/ɔ/  [lə-ː]  /ləʔ/  sister
    [tʃə'moː-ː]  /tʃaməʔ/  early morning
    [mə'khoː-ː]  /məkhoʔ/  to roast
/a:/  [ma'phe-a:]  /mapha:/  to elope
/ba'be-a:/  /baba:/  half-breed

In open major syllables the following seven long lax vowels and one centring diphthong can occur.

/i/  ['tchu-ri:]  /chuni/  rainbow
['ba'dzi:]  /baji/  jacket

/e/  [bo'dze:]  /boje/  to stand in a group
[ma'le:]  /mole/  to move one's dwelling

/o/  [po-'dze:]  /poje/  for the tide to come in
['la-le:]  /lale/  ribs

/u/  ['dza-bu:]  /jabu/  bumble bee
[ma'chu:]  /machu/  to raise one's hands

/o/  ['pha-lo:]  /phalo/  to tease

/ɔ/  ['bo:]  /bo/  boy
['kho-lo:]  /khalo/  tears

/ɑ/  ['ba:]  /ba/  mad, insane
[da-ta:]  /data/  upon

/oa/  ['toa]  /toa/  body (T)

The Southern Jadiak dialect has a less ramified system of vowels according to Veena (1980:53) (and summarised in Hogan 1983:13 and Sudarat 1984:16). The tense–lax contrast is relevant only for high vowels in Southern Jadiak ([lax /i, i, u, u/] versus tense /i, i, u, u/). Where Dung still has tongue-height contrasts, though phonetically slight, in the mid vowels (/e, e, o, o/), tongue height varies freely in Southern Jadiak, reducing the system to /e, o/.

However, Hogan (pers.comm. 1985) suggests that a reanalysis of the Southern Jadiak dialect may show it to have all the vowels of the Dung dialect.

4. SAMPLE TEXT

Batang muchi thop mokaw pothaw cwe
beginning in.the past there said old people I

nea? than ha. Ngoaung chidea nu yu ʔe
copula yet not called God NPH MKR.

do take I other side only for a while

Nyu mokɛn yay kodeaw ʔe: khanyu je.
CAI Moken said just yes be there IMP

Mekon ʔeka:n palo:y pitɔh nu yu yea.
harpoon fish ray fish behind there only

6 Abbreviations used in this text are: NPH.MKR (nominal phrase marker), CAI (changed actor indicator) and IMP (imperative). A fuller and more precise gloss for mekon 'harpoon' is 'I am going by boat to harpoon'.
Lakot nong toa  ?oda? lakot nong
afraid of   body big      afraid of

kaba:ng kalam.  Nyu chidea nyu ngateang
boat    capsized CAI    God    CAI wait

bunyu ngateang ngateang chea chea chea
like that wait wait last last last
ngateang chənah  ?oka?: koreaw lachē: nyəmat
wait    possible no longer marker book throw

into water    become    fish    ray

(This story was told by Cakwe, a Moken man of about fifty.)
This story is from long ago in the past, told by the old people. I was not yet born.
God called (to the Moken) “Please take me across to the other side. It won’t take you long”. Then the Moken said, “Yes, just wait there, I’m going to harpoon the rayfish behind there first”. The Moken was afraid that the big body of God would make the boat capsize. Then God waited like that for a long long time, and when he couldn’t wait any longer he threw the book (of Moken writing) into the water and it became a rayfish.

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Toogoo, Burma.