SOME EVIDENCE FROM BIAO MIN ON THE INITIALS OF PROTO-MIENIC (YAO) AND PROTO-HMONG-MIEN (MIAO-YAO)*

David B. Solnit
University of California, Berkeley

1. PREFATORY NOTES

1.1 Terminology and reconstruction. The language family under discussion here is Hmong-Mien (H-M), consisting of the two branches Hmongic (Hm) and Mienic (Mn).

The family is also known as Miao-Yao, the two branches being Miao and Yao.

All initial consonants are assumed to have a three-way manner distinction. For obstruents these are voiceless unaspirate, aspirate, and voiced; the corresponding manners for sonorants are preglottalized, voiceless, and voiced. In addition, obstruents may be [± prenasalized]. Using labials as an example:

\[
\begin{array}{ccc}
\text{p} & \text{mp} & \text{?m} \\
\text{ph} & \text{mph} & \text{m} \\
\text{b} & \text{mb} & \text{m}
\end{array}
\]

Consonant types in the same horizontal row have the same effect on tone splitting.

1.2 Subgrouping and sources. The following gives the subgroup, its abbreviation, the representatives cited for each, and the source used. Transcription is as in the original unless otherwise noted.

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* First presented at the 19th International Conference on Sino-Tibetan Languages and Linguistics, University of Ohio, Columbus, September 12-14, 1986. This version was completed April 30, 1997. I am indebted to Martha Ratliff and William Baxter for comments and information; neither of them bears any responsibility for the form or content of this article.
Hmongic Branch

黔东 Qiandong or East (EHm)  养蒿 Yanghao (YH), Guizhou, from Wang 1979, Wang and Mao 1995
湘西 Xiangxi or North (NHm)  吉卫 Jiwei (JW), Hunan, from Wang 1979, Wang and Mao 1995
川黔滇 Chuanqiandian or West (WHm)  White Hmong of Laos-Thailand, from Heimbach 1969; 宗地 Zongdi (ZD), Guizhou, from Wang 1979, Wang and Mao 1995

Subgrouping uncertain, probably Hmongic

Bunu 布努  瑶里 Yaoli, Guangxi, from Wang and Mao 1995
Pa Hng 巴哼 Baheng  文界 Wenjie, from Wang and Mao 1995

Mienic Branch

Yu Mien (YM)  Downer 1961 and 1973 ("Highland Yao"); Lombard 1968 and Purnell 1970 (dialect of Chiangrai, Thailand); Mao, Meng and Zheng 1982 (龙胜 Longsheng, Guangxi). I use a normalized transcription, the major changes from the cited sources being the following:

Normalized  Downer  Mao, Meng and Zheng
č  čh ğ  kj khj qi  te  tch dz
iə  ua  io  ua  wo  je

Kim Mun (KM)  Savina 1926¹ (mostly), Wang and Mao (occasionally)
Biao Min (BM)  Dialect of 双龙 Shuanglong, 全州 Quanzhou County, Guangxi, from my notes. For the transcription see Solnit 1985; here I retain the narrower transcriptions [j tɕ] for the initials written /c cy/ in the 1985 paper, and I use [j] for the palatal semivowel.

Dzao Min  Mostly not represented; a few forms are from Wang and Mao 1995

¹ Savina's Quốc-ngữ transcription is retained, except for tones. Note the following probable equivalences:

\[
\begin{align*}
\text{<tg> } & \text{ tc, c} \\
\text{<xl> } & \text{ s (perhaps phonetically [l])} \\
\text{<s> } & \text{ f, c}
\end{align*}
\]

\[
\begin{align*}
\text{<ē> } & \text{ e} \\
\text{<e> } & \text{ e} \\
\text{<ô> } & \text{ o} \\
\text{<o> } & \text{ o}
\end{align*}
\]

\[
\begin{align*}
\text{<ao> } & \text{ au} \\
\text{<ay> } & \text{ ai} \\
\text{<ai> } & \text{ aɪ} \\
\text{<au> } & \text{ au}
\end{align*}
\]
2. **STOP + LIQUID CLUSTER INITIALS**

It is a truism of comparative Hmong-Mien that Hmongic preserves initial contrasts and simplifies rhymes, while Mienic preserves rhyme contrasts but simplifies initials. This could also be said of the two proto-languages, although proto-Mienic has nearly the full inventory of initial manners, its simplification being carried out more on the inventory of places of articulation.

The Mienic languages this truism is based on are Yu Mien (YM) and Kim Mun (KM). Biao Min (BM), while still classified as Mienic, is more "Hmongic-like", in that it simplifies rhymes, although not as much as Hmongic. Compare the YM and BM vowel and final-consonant inventories:

\[
\begin{align*}
YM & \quad \text{finals} & i & u & m & n & η & p & t & ? \\
& \quad \text{vowels} & i & e & e & a & a: & o & u \\
BM & \quad \text{finals} & i & u & n & η \\
& \quad \text{vowels} & i & e & η & a\text{2} & o & u
\end{align*}
\]

BM preserves initial clusters of stop plus liquid better than either KM or the better-studied dialects of YM (Downer, Lombard). Some YM dialects do preserve -l-, including some cited in Haudricourt 1947-50; more recently, Theraphan’s (1993) excellent study of comparative Mienic includes a YM language spoken in 陽朔 Yangshuo\(^3\) County, Guangxi (her "Northern Mien") that includes many medial l’s.

BM also has a prepalatal obstructed series that is phonemically independent,\(^4\) unlike the phonetically similar YM series, which can be analyzed (as by Downer) as allophones of velars before /j i/. The BM prepalalates allow us to expand the number of place (of articulation) series reconstructable for proto-Mienic, but there are few surprises when the comparison is carried back to proto-Hmong-Mien. In contrast, the BM words with velar clusters include a set whose Hmongic cognates have little or no trace of the liquid: here BM preserves initial clusters better than Hmongic. We will examine the cluster initials in this section.

2.1 **Labial clusters** The labial clusters fall into two sets, easily interpreted as contrasting -r- and -l- in pHm and pH-M; pMn has merged the two. (Underlining indicates irregularities)

\(^2\) See Solnit 1987 on the phonemic status of this vowel.

\(^3\) "Yangshou" in Theraphan.

\(^4\) Note the following Biao Min contrastive set: *tjau*\(^4\) ‘pickling jar’, *jau*\(^1\) ‘mushroom’, *təau*\(^3\) ‘claw’, *kjau*\(^1\) ‘land snail’.
<table>
<thead>
<tr>
<th>YM</th>
<th>KM</th>
<th>BM</th>
<th>pHm</th>
<th>WHm</th>
<th>NHm</th>
<th>EHm</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIVE</td>
<td>pja</td>
<td>pla</td>
<td>*pr[3]A</td>
<td>tʃi</td>
<td>pza</td>
<td>tsa</td>
</tr>
<tr>
<td>HOUSE</td>
<td>pjau</td>
<td>pla</td>
<td>*pr[5]B</td>
<td>tʃe</td>
<td>pzu</td>
<td>tse</td>
</tr>
<tr>
<td>FISH</td>
<td>bjau</td>
<td>bla</td>
<td>*mbr[5]B</td>
<td>ntʃe</td>
<td>mzu</td>
<td>ze</td>
</tr>
<tr>
<td>HOT-SPICY</td>
<td>bjac</td>
<td>blan</td>
<td>*mbr[3]D</td>
<td>ntʃi</td>
<td>mzei</td>
<td>za</td>
</tr>
<tr>
<td>NOSE</td>
<td>bjwi</td>
<td>blui</td>
<td>*mbr[19]C</td>
<td>ntʃu</td>
<td>mze</td>
<td>ze</td>
</tr>
</tbody>
</table>

### r-clusters

<table>
<thead>
<tr>
<th>YM</th>
<th>KM</th>
<th>BM</th>
<th>pHm</th>
<th>WHm</th>
<th>NHm</th>
<th>EHm</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOUR</td>
<td>pja'i</td>
<td>pla'i</td>
<td>*pl[16]A</td>
<td>plau</td>
<td>pzei</td>
<td>ju</td>
</tr>
<tr>
<td>TONGUE</td>
<td>bia't</td>
<td>blin</td>
<td>*mbl[6]D</td>
<td>nplai</td>
<td>mjia</td>
<td>ni</td>
</tr>
<tr>
<td>STICKY RICE</td>
<td>bjut</td>
<td>blon</td>
<td>*mbl[15]D</td>
<td>nplau</td>
<td>nu</td>
<td>na</td>
</tr>
</tbody>
</table>

### l-clusters

Chang (1976) notes that the contrast -l/-r- is preserved in the WHm dialects Ke-cheng and Zongdi, as these Zongdi forms demonstrate: *plα'ta ‘four’, *mplαv 'rice plant', *mplε 'tongue' versus *pζi’ta ‘five’, *pzæ-‘house’, *mpζæ 'ear', *mpζi 'spicy' (Wang writes z where Chang's source has r, the sound is probably a retroflex approximant with a certain amount of friction noise).

Wang (1979) further reconstructs a series of clusters made up of labials followed by z.5 While z does occur as a simple initial (both in Wang’s pHm and in many modern Hm languages), it does not form clusters with initials at other places of articulation. Mienic does not reflect this medial z with any consistency:

<table>
<thead>
<tr>
<th>YM</th>
<th>KM</th>
<th>BM</th>
<th>pHm</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRUIT</td>
<td>piəu</td>
<td>pɛau</td>
<td>*pz[2]B</td>
</tr>
<tr>
<td>MEND</td>
<td>bja</td>
<td>bau</td>
<td>*mpz[4]C</td>
</tr>
<tr>
<td>NAME</td>
<td>bua</td>
<td>bu</td>
<td>*mpz[3]B</td>
</tr>
<tr>
<td>HAND</td>
<td>puə</td>
<td>pu</td>
<td>*b[4]B</td>
</tr>
</tbody>
</table>

This *-z- is best seen as palatalization, in some cases caused by a medial -j-, in others by a high front nuclear vowel. In any case it is clearly not a liquid.

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5 Replaced in Wang and Mao 1995 by clusters with -ts-: *pts mpts etc.