MORPHOPHONEMIC CHANGES IN MEITEIRON COMPOUNDING

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The aim of this paper is to show the modification of bases in Meiteiron. The paper deals about the changes of consonants and vowels in the process of compounding.

Introduction

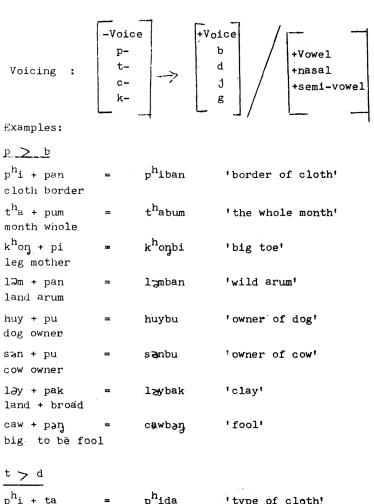
The general characteristics of the morphophonemic changes in Meiteiron roots are very irregular. The sound changes which occur in compounding can be discussed in the following headings. They are (1) voicing, (2) deaspiration, (3) change of lateral sound, (4) changes of nasals, (5) changes of vowels, (6) loss or deletion and (7) addition of semi-vowels.

1. Voicing

In the process of voicing, the voiceless sounds change into voiced sounds. The type of process is of progressive assimilation. The unaspirated voiceless stop sounds p,t,c,k are found to have changed into their voiced counterpart b,d,j.g, respectively, when the sound root is preceded immediately by a voiced sound (i.e., a nasal, a vowel) or a semi-vowel. It is shown in the following table.

Table 1	
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1st Root	+2nd root	=Compound
ends in a nasal, or a semi-vowel or a vowel	begins with p¬	[-Voice] → [+Voice] p > b
ends in a nasal or a vowel or a semi vowel	begins with	t > d
ends in a nasal or a vowel, or a vowel, or a semi-vowel	begins with	c> j
ends in a nasal or a vowel, or a semi-vowel	begins with k-	k > g



t > d			
p ^h i + ta	=	p ^h ida	'type of cloth!
cloth type			
k ^h on + ta leg shape	=	k ^h onda	'shape of leg'
leg shape		ū	
k ^h oy + toŋ	=	k ^h oydon	one having big naval!
navel high			
t _p An+ t9n	=	thawdaw	'mode of doing'
duty + to do			
sen + ton	=	sendon	'debt'

money to debt

13mdon	'high land'
cindon	'high hill'
cindum	'hillock'
padon	end of eyelash
p ^h ijaw	'big cloth'
p ^h ij∂m	'ordinary cloth'
t ^h onjaw	'door'
k ^h anjaw	'big pan'
s Ə mji	'knot of hair'
k ^h awjaw	'big bag'
h ⇒ y jaw	'big fruit'
p ^h igon	'dry cloth'
t ^h angon	'sickle'
k ^h ongay	'undesirable speech'
t ^h awgan	'guard'
singgy	'shed of firewood'
	cindon cindum padon phijaw phijam thonjaw khanjaw səmji khawjaw həyjaw thangon thongay thangon

$$p \rightarrow y + k \Rightarrow n = p \rightarrow y \Rightarrow n$$
 'thigh' thigh to be hard ming + k $\Rightarrow w = ming \Rightarrow w$ 'term of address' name to call leng + ka = lenga 'same age' shoulder to group

Exception: In some compounding there is no changes of p,t,c,k if the 2nd root is immediately preceded by a nasal or semivowel or a vowel.

Examples:

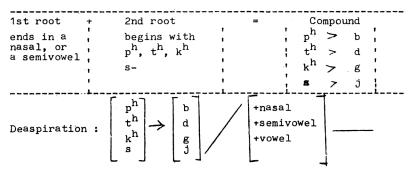
p remains as	p -	
l∂m + pak land to be bro	•	'meadow'
cen + pak rice to be bro		'flattened rice'
law + pu paddy field own		'owner of the paddy field'
t remains as	t	
paw + tak news to indicat	-	'advice'
u + ton tree top	= uton	'top of the tree'
mi + top some some some some some some some some	= mitop	'outsider'
ya + ton teeth tip	= yaton	'tip of the tooth'
lay + ton tongue tip	= l@yton	'tip of the tongue'
c remains as	0	
k ^h on + cət leg to go	= k ^h oŋc∋t	'journey'
l∂m + cat land to go	= lamoat	'character'

mi + c⊋m man simple	=	mic > m	'layman'
m∂y + cak fire to burn	=	m aycak	'pang of sorrow'
k remains as			
wa + k > t word to give	=	wak ə t	'complain'
u + kup tree piece	=	ukup	'pieces of wood'
l∂w + kon paddy place	=	l@wkon	'paddy field'
l>y + k>n earth to be d	= ry	laykan	'dry land'

Deaspiration

In deaspiration process, voicing rule will apply first and in the second step deaspiration will apply to the aspirated sounds. So, the voiceless aspirated stop \mathbf{p}^h , \mathbf{t}^h , \mathbf{k}^h and voiceless fricative s become unaspirated voiced b,d,g and j, respectively, when the second root is preceded by a vowel or a semi-vowel or a nasal. After applying voicing rule the initial of the second root \mathbf{p}^h , \mathbf{t}^h and \mathbf{k}^h are deaspirated.

Table 2



Examples: $p^h > b$ phi + phm p^hib**≥**m 'condition' cloth place sa + phm place where thing sabam to be made! to make place th > d $p^h > w + t^h o y$ ph_Dwdoy 'interest as paddy' paddy more sen + thoy sendoy 'interest' money more $k^h > g$ $p^h i + k^h a$ p iga 'lining' cloth under sen + k^haw sengaw 'purse' money bag s > j 'an instrument to scrap sin + sit sinjit turmeric, ginger etc.
t) powder' ginger to scrap 'comb' s∂m + set s∂mjet hair to be dress

Exception: In some compounding there is no changes of p^h , t^h , k^h and s if the second root is preceded by a vowel, or a semi vowel or a nasal and also voiceless stop

p, t and k.

p ^h remains as p ^h		
$k^h o p + p^h p m =$	к _р ойърш	'Place for putting fowt!
leg + place		
$t^h o k + p h m =$	t ^h okp	'exit'
to go out+place		
hip + p > m =	$_{ ext{m}}^{ ext{dqid}}$	'sleeping place'
to sleep+place	*	
kət + phm = to offer+place	kətp ^h ∋m	'place where to keep offerings'
or orrest brance		

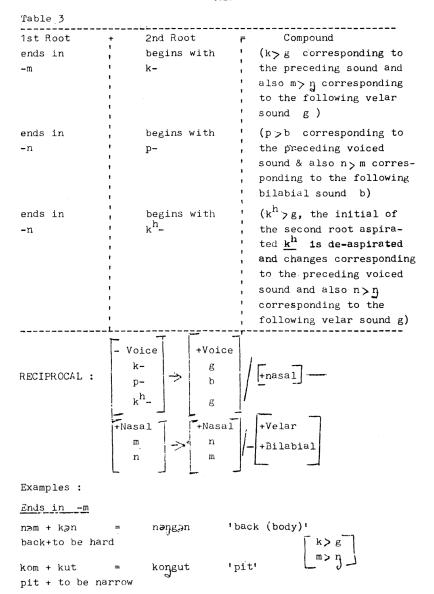
th remains as th		€.
$p > m + t^h = 0$	ph>mthon	'higher post'
post + to'name		
həy + t ^h um =	hoyt ^h um	'A fruit'
fruit + sweet		(Atalatia monaphalia)
k ^h remains as k ^h		4 ,
t ^h a + k ^h ay =	$\mathtt{t}^{\mathrm{h}}\mathtt{ak}^{\mathrm{h}}\mathtt{ay}$	'fortnight'
month+to separate		
$h \ni y + k^h a =$	h ∌yk ^h a	'plum'
fruit + bitter		
s remains as s		
p ^h i + sa =	p^{h} isa	'mode of weaving'
cloth + to make		
$t^h_{\partial w} + \sin =$	t ^h ∋wsin	'mode of arrangement'
duty + to arrange		
cak + ta =	cakta	kind of rice/
rice + mode		mode of rice!
yot + pak =	yotpak	'spade'
iron + to be broad		

3. Nasal change

The three masals m,n,n are found to undergo irregular changes while compounding. These changes can be studied under two categories - (1) changes of masals and (2) loss or deletion of masals (details will be under the heading of loss or deletion).

3.1 Changes of nasals

In the process of changing the two elements are affected. So, the masal changes is of reciprocal nature. In the first step voicing rule will be applied to the initial voiceless sound of the second root and correspondingly it will affect the preceding sound of the first root final. It is shown by the following table.



Ends in -n

cow + barrier
$$p > b$$
 lamba 'match' $n > m$

war + to oppose

Ends in -n and begins with kh in the second root:

$$sen + k^{h}aw = sengaw 'purse' \begin{cases} k^{h} > g \\ n > n \end{cases}$$

$$san + k^{h}om = sangom 'milk'$$

$$cow + milk$$

The above examples have exceptions. There is no changes of n and m. only voicing rule applied to the 2nd initial sound. The nasals remain as it is.

Examples:

m remains as m

$$l \ni m + k \ni n = l mg \ni n$$
 'dry land' land + to dry

n remains as n

$$s \ni n + pi = s \ni nbi 'cow$$

cow + mother

yen + pi = y**e**nbi

hen + mother

pan + k^ha p**∂**nk^ha 'south of the barrier'

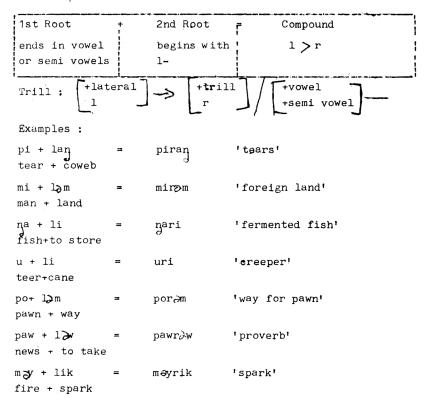
barrier + south

 $sen + k^h ay = senk^h ay$ 'to contribute one's share' money + to contribute

Changes of lateral sound 4.

The lateral $\underline{1}$ changes into \underline{r} , if it is preceded by a vowel or a semi vowel.

Table 4



Exception: The lateral $\underline{1}$ remains as $\underline{1}$ when it is preceded by voiceless stop (p,t,k) and also by nasal sounds.

$$\begin{bmatrix} 1 \end{bmatrix} \Rightarrow \begin{bmatrix} 1 \end{bmatrix} \begin{bmatrix} \text{Voiceless} \\ p,t,k \\ \text{and + nasal} \end{bmatrix} =$$

leg + between

4.1 In the process of changing the initial of the second root $\underline{1}$ changes into \underline{r} , if it is preceded by a vowel, or a semi vowel. Then the preceding low vowel of the first root \underline{a} changes into central mid vowel \underline{a} .

Examples:

6<a

sa + lu = saru 'bone'

animal + bone

ma + lon = mxon | his/her language!
his/her + language

4.2 However, there is one exception that the lateral $\underline{1} \searrow \underline{m}$ after \underline{m} , The process involved is to assimilate to \underline{m} and become gemminated.

Example : 1> m

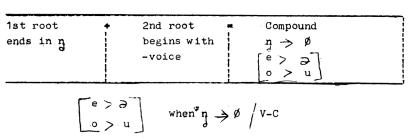
 $p^h m + len = p^h$ mmen 'main seat in a house' place+best.

5. Changes of vowels

In some compounds certain vowels are found change in Meiteiron. The changes took place in three ways and can be discussed in two sections 1 Changes of $\underline{\underline{a}} > \underline{\underline{a}}$ and $\underline{\underline{o}} > \underline{\underline{u}}$, 2. Changes of $\underline{a} > \underline{\underline{a}}$

5.1 e > and o > u

Table 5



Examples:

cen + ton = cadon 'broken rice'
rice+small

 $k^{h}on + k^{h}a = k^{h}uga$ 'sole' leg + below

5.2 The vowel a>a only in the four roots e.g. $\frac{t^ha}{t^h}$ 'chest', sa 'body', cak 'rice' and ma 'he/she'. Out of four roots, again a root having $\frac{-k}{t^h}$ in the final will also deleted.

Table 6

,	1st root	†	2nd roct	=	Compound	
,	dnds in -a and -k	1	beging with - voice		i) a> \(\partial\) ii) a> \(\partial\) and	1
•		'		1	also k- → Ø	_'

Example:

tha + pak = that 'chest'

chest+ to be broad

sa + tum = sadum 'flesh'

body+to be round

cak + kan = cagan 'rice without curry'

rice + to be dry

ma + pa = mapa 'his/her father'

he/she+father

However, there are exceptions for all the above changes. Example:

cen + pak = cenpak 'flattened rice' rice+to be broad = k^honpak k^h•n + pak leg + to be broad sa + p^hi = sap^hi 'dress for hunting' body-cloth cak + len caklen 'dinner' rice+best caks>4 cak + spn = 'kitchen' rice+house

6. Loss or deletion

The loss of a consonant is usually related to articulatory processes in order to make pronunciation easier. The deletion may be discussed under the following categories:

(1) loss of voiceless tank (2) loss of nasals.

6.1 Loss of voiceless takk

The final sound of the first root gets deleted when a voiceless sound as its initial of the second root and also the initial voiceless sound of the second root is changed into voiced sounds.

Table 7

1st root ends in -t	†	2nd ro•t begins with voiceless.t-	compounding $t \rightarrow \emptyset$ $V1 > Vd$
ends in -k	1	begins with voiceless k-	k → Ø Vl > Vd (in such cases the preceding vowel of the first root is shorten as a>ə)
-voice t- k-	÷ [+	voice d- when k	$\rightarrow \emptyset$ —/c c (gemination)

Example: $t > \emptyset$

 k^{h} ut + tang = k^{h} udang 'Part of the hand between hand + joint wrist & elbow' k^{h} ut + top = k^{h} udop 'ring'

 $k > \emptyset$: when k- is deleted the vowel of the first root <u>a</u> is shorten and changes into a > a.

Examples:

hand + add

cak + ka = c >ga 'scorch rice'
rice + to burn

cak + kum = c >gum 'waste rice'
rice + waste

Exception : There are some compounding which have no deletion of \underline{t} and \underline{k} .

Example: $k^{h}ut + ta = k^{h}utta$ 'Shape of hand' hand + shape

6.2 Loss of nasals

The masal sound of the 1st root final gets deleted when a masal sound is in the initial position of the second root.

Table 8

1st root ends in -m	+	2nd root begins with n-	=	compounding m→ Ø n > m
ends in -n	+	begins with n-p-,t-,c		ŋ ⇒ Ø o > u e > ∂
ends in -n		begins with 1-		n → Ø 1 > r

$6.2.1 \quad m \rightarrow \emptyset$

When the masal sound \underline{m} of the 1st root is deleted and also the initial of the second root n > m.

Example:

$$im + nun = imun$$
 'inside the house' house + inside
$$p^h = nun = p^h = mmun$$
 'bed' place + inside

6,2.2 n > Ø

The masal sound $\mathfrak g$ of the first root final is deleted and also the vowel of the first root oy $\mathfrak u$ and $\mathfrak e > \mathfrak d$.

Exception: In some environments the nasal n remains intact and also there is no change of the 1st root vowel.

Example:

$$k^h on + pak = k^h onpak$$
 'foot'

 $leg + to be broad$
 $k^h on + kap = k^h onkap$ 'foot step'

 $leg + span$
 $cen + p^h u = cenp^h u$ 'a pitcher for storing rice + pot rice'

6.2.3 n -> Ø

The masal sound \underline{n} of the 1st root final is deleted and also the initial of the second root 1>r due to the preceding vowel.

Example:

7.0 Loss of vowels

The vowel $\underline{\underline{a}}$ gets deleted while compounding in two instances.

$$\begin{bmatrix} -Vowel & a \end{bmatrix} \Rightarrow \emptyset / \begin{bmatrix} V \\ O- \end{bmatrix} - \begin{bmatrix} V \\ O- \end{bmatrix}$$

Example :

hundred r two

8.0 Addition of semi vowel

while compounding the semivowel \underline{w} and \underline{y} are added. The semi vowel \underline{w} is added (1) between semivowel and mid mid back vowel (2) low vowel \underline{a} or high front vowel \underline{i} and mid back vowel $\underline{\bullet}$. The semi vowel \underline{y} is added between \underline{a} - α . It is shown in the following table.

Table 9

1st root † ends in semi vowel -w, -y	2nd root begins with o-	= Compound +w
ends in -a or -i	begins with	+W
ends in -a	begins, with	*y
Addition: $\emptyset \rightarrow$	$\begin{bmatrix} w \\ y \end{bmatrix} / \begin{bmatrix} w - 0 \\ a \text{ or } i - 0 \end{bmatrix}$	

Example :

References

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