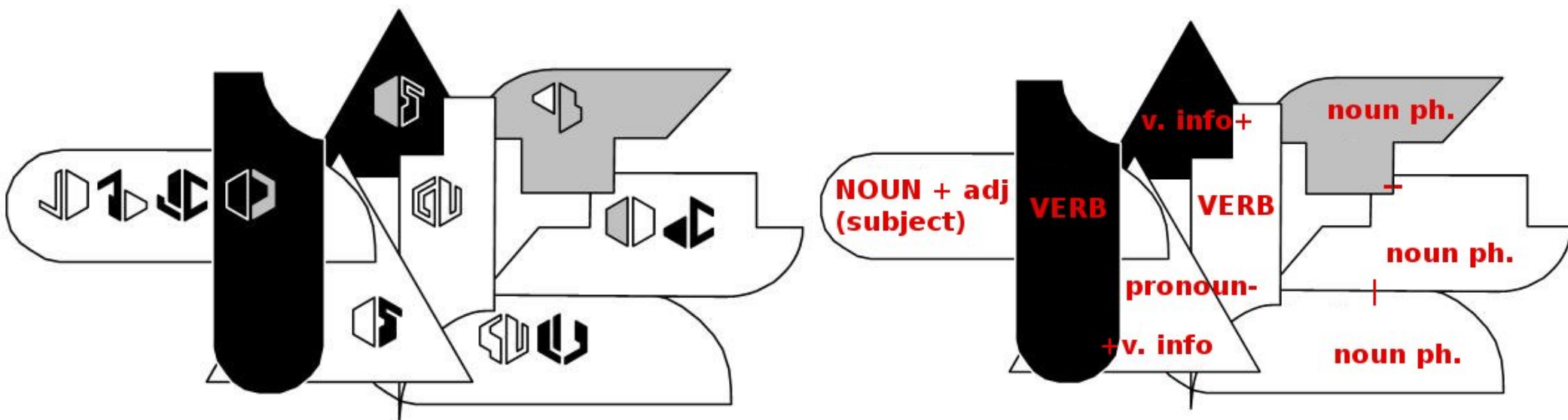


Ilaksh by John Quijada

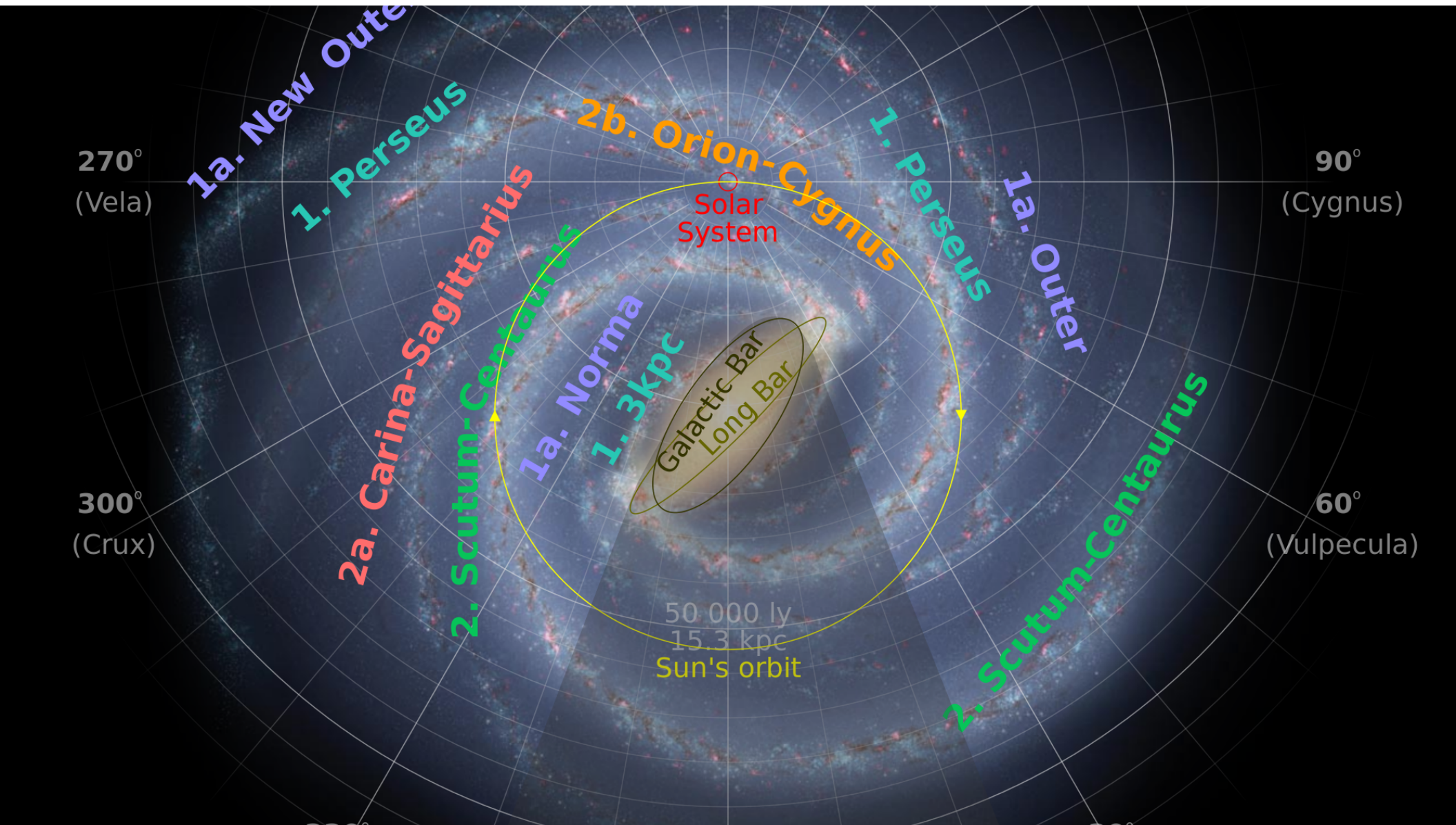


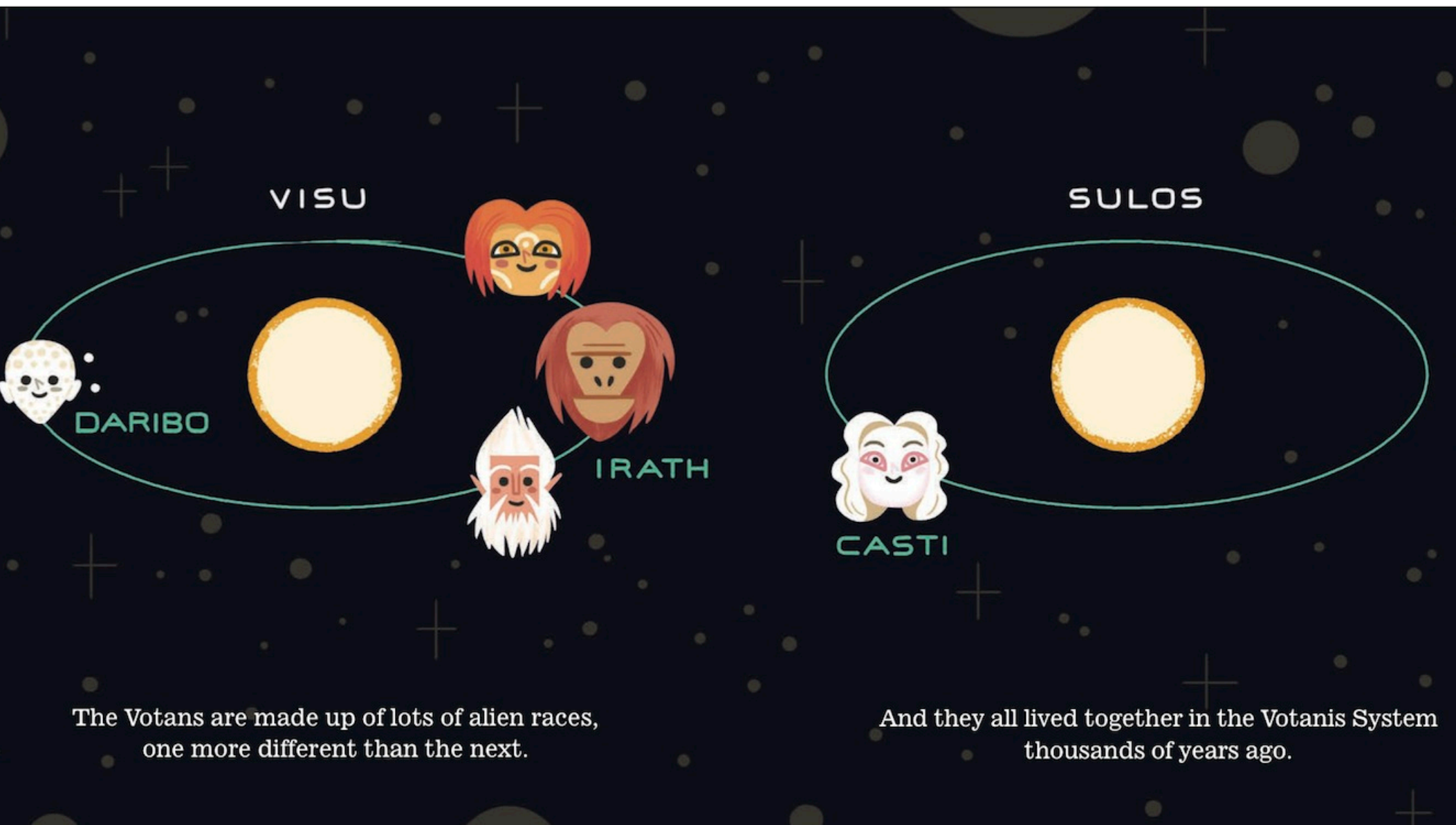
Ilaksh by John Quijada



CASTITHAN

Castithan is the language of the Castithan people. They're the political and cultural force in their galaxy, who believe their place is at the center of the universe.





The Votans are made up of lots of alien races,
one more different than the next.

And they all lived together in the Votanis System
thousands of years ago.

Castithan writing system is an
abugida called
['fa.dʒi.zwa.li.no]. It's written
from left to right with spaces
between words.

ᐃᓕᓕᓕᓕᓕᓕᓕ

<fā-ti-z^ʰwa-lī-nu>

['fa.dʒi.zwa.li.no]

ፍጥረት ለእኛ

<fā-ti-z'wa-lī-nu>

['fa.dʒi.zwa.li.no]

Sample Sentences

ကောင်းပါစက ၇၆ ကိုဘဲ ကျွဲ ဟိန္ဒူ ဗုဒ္ဓဘုရား

<nī-s^hi-ba-na ka-sa i-la-k'a no ri-^mbā zju-la-wa>

['ni.fi.va.nak.sa 'je.la.ka no 'zem.ba 'zu.la.wa]

/forgiveness-TOP you ABL beg please/

“I beg your forgiveness.”

Sample Sentences

◦^{ᠪᠠᠳᠠ}ᠳᠡᠲᠤᠨ ᠤᠯᠢᠷᠤ ᠤᠨ ᠤᠯᠤᠰ ᠤᠨ ᠳᠤᠰᠤᠫᠤᠳᠤᠨ ᠳᠤᠰᠤᠫᠤᠳᠤᠨ ᠳᠤᠰᠤᠫᠤᠳᠤᠨ

<fā-ⁿde-t'a kī lī-ru ᵑgu vo-sa-pā di>

['fan.de.ta ki 'li.raṅ.go 'vos.pa dʒe]

/love and liro-INS swear EMPH/

“I swear by our love and *liro*.”

Quotidian time = n

$p = \wedge$ $b = | \wedge$ $+p' = \text{diamond}$ $+b = \square$ $+mb = A$ $m = \text{box}$ $a = \circ$
 $t = \Upsilon$ $d = | \Upsilon$ $+t' = \text{H}$ $+d = \text{H}$ $+nd = \text{F}$ $n = \text{X}$ $i = -$
 $k = \sqcap$ $g = \sqcap$ $+k' = \sqcap$ $+g = \text{box}$ $ing = 7$ $in = \text{V}$ $u = \wedge$
 $f = \equiv$ $v = E$ $a := \text{box}$
 $\Theta_{th}^x = I$ $\chi_{ah}^q = \Pi$ $i := =$
 $s = <$ $z = K$ $s' = \Sigma$ $z = \hat{=}$ $u := \hat{\wedge}$
 $h = \Theta$ $+s$ $+z$

$m+b$
 $n+d$
 $N+g$
 $n+g+g$

$y = \text{fine}$
 $w = \text{fine}$

$l = X$ $r = \gamma$
 $2^0, 2^1, 2^2, 2^3, 2^4, 2^5, 2^6, 2^7, 2^8, 2^9, 2^{10}, 2^{11}, 2^{12}, 2^{13}, 2^{14}, 2^{15}, 2^{16}, 2^{17}, 2^{18}, 2^{19}, 2^{20}, 2^{21}, 2^{22}, 2^{23}, 2^{24}, 2^{25}, 2^{26}, 2^{27}, 2^{28}, 2^{29}, 2^{30}, 2^{31}, 2^{32}, 2^{33}, 2^{34}, 2^{35}, 2^{36}, 2^{37}, 2^{38}, 2^{39}, 2^{40}, 2^{41}, 2^{42}, 2^{43}, 2^{44}, 2^{45}, 2^{46}, 2^{47}, 2^{48}, 2^{49}, 2^{50}, 2^{51}, 2^{52}, 2^{53}, 2^{54}, 2^{55}, 2^{56}, 2^{57}, 2^{58}, 2^{59}, 2^{60}, 2^{61}, 2^{62}, 2^{63}, 2^{64}, 2^{65}, 2^{66}, 2^{67}, 2^{68}, 2^{69}, 2^{70}, 2^{71}, 2^{72}, 2^{73}, 2^{74}, 2^{75}, 2^{76}, 2^{77}, 2^{78}, 2^{79}, 2^{80}, 2^{81}, 2^{82}, 2^{83}, 2^{84}, 2^{85}, 2^{86}, 2^{87}, 2^{88}, 2^{89}, 2^{90}, 2^{91}, 2^{92}, 2^{93}, 2^{94}, 2^{95}, 2^{96}, 2^{97}, 2^{98}, 2^{99}$

Original system chiseled on stone for ornamental reasons and burial texts. (Above ground pedestals.)

Later scrolls developed
(thinnish paper).

१५
 १६
 १७
 १८
 १९
 २०
 २१
 २२
 २३
 २४
 २५
 २६
 २७
 २८
 २९
 ३०
 ३१
 ३२
 ३३
 ३४
 ३५
 ३६
 ३७
 ३८
 ३९
 ४०
 ४१
 ४२
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 ४६
 ४७
 ४८
 ४९
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 ५१
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 ६०
 ६१
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 ६५
 ६६
 ६७
 ६८
 ६९
 ७०
 ७१
 ७२
 ७३
 ७४
 ७५
 ७६
 ७७
 ७८
 ७९
 ८०
 ८१
 ८२
 ८३
 ८४
 ८५
 ८६
 ८७
 ८८
 ८९
 ९०
 ९१
 ९२
 ९३
 ९४
 ९५
 ९६
 ९७
 ९८
 ९९
 १००

[illegible]

Handwritten blue characters: 7 7 7 7 7 7 7

Handwritten blue characters: 7 7 7 7 7 7 7

Printed brown characters: 7 7 7 7 7 7 7

7 7 7 7 =

7 7 7 7

7 7 7 7

Handwritten symbols in dark blue ink, arranged in two pairs. The first pair shows a symbol with a horizontal bar and two vertical lines, and a similar symbol with an additional diagonal line. The second pair shows a symbol with a horizontal bar and two vertical lines, and a similar symbol with an additional diagonal line.

Handwritten symbols in brown ink, arranged in two pairs. The first pair shows a symbol with a loop and a vertical line, and a similar symbol with an additional loop. The second pair shows a symbol with a loop and a vertical line, and a similar symbol with an additional loop.

ta

tu

ze

zo

Phonological Change

The writing system was created at a time before some large scale phonological changes.

Phonological Change

Original Vowels

a aː

i iː

u uː

Phonological Change

Original Diphthongs

ai au

ia iu

ua ui

Phonological Change

High Vowel Reduction

$*V \rightarrow [-\text{high}] / _ \#$

$*i, *u \rightarrow \text{je, wo} / ' _$

Phonological Change

Diphthong Loss

*ai, *au → e, o

*V_x[+high] → [-voc] / _V_y

Phonological Change

Loss of Long Vowels

*V: > V

Result

Original Set

ka ki ku

kā kī kū

kau kai kia kiu kua kui

Result

Final Set

ka {ki/ke/kje} {ku/ko/kwo}

ka ki ku

ko ke kja kju kwa kwi

Phonological Change

Original Set

p p' t t' k k'

s s' z z'

b b d d' g g'

^mb ⁿd ^ŋg

Phonological Change

Intervocalic Lenition

*C[-emph, +voice] → [+cont]

&

*C[-emph] → [+voice] / V_V

Phonological Change

Intervocalic Lenition

*C[+cont, -strident, -back] →
h / V_V

*C[+cont, +back] → Ø / V_V

Phonological Change

Loss of Pre-Nasalized Stops

$*nC \rightarrow C / \# _$

$*nC \rightarrow nC / V _$

Phonological Change

Loss of Emphatic Consonants

*C → [-emph]

Phonological Change

Original Set

p p' t t' k k'

s s' z z'

b b d d' g g'

^mb ⁿd ^ŋg

Phonological Change

Modern Set

{p/b} p {t/d} t {k/g} k

{s/z} s z z

{b/v} b {d/ð} d {g/h} g

{b/mb} {d/nd} {g/ŋg}

Phonological Change

Also Palatalization for Non-
Emphatic Coronals

*t, *d, *s, *z → tʃ, dʒ, ʃ, ʒ

Modern System

	-a	-ā	-i	-ī	-u	-ū
p	ᑭ	ᑭᐃ	ᑭᑦ	ᑭᑦ	ᑭᑦ	ᑭᑦ
p'	ᑭᑦ	ᑭᑦᐃ	ᑭᑦᑦ	ᑭᑦᑦ	ᑭᑦᑦ	ᑭᑦᑦ
b	ᑭᑦ	ᑭᑦᐃ	ᑭᑦᑦ	ᑭᑦᑦ	ᑭᑦᑦ	ᑭᑦᑦ
b	ᑭᑦ	ᑭᑦᐃ	ᑭᑦᑦ	ᑭᑦᑦ	ᑭᑦᑦ	ᑭᑦᑦ

Modern System

	-e	-o	-ja	-ju	-wa	-wi
p	ပြဲ	ပြွဲ	ပြဲ	ပြဲ	ပြွဲ	ပြဲ
p'	ပြဲ	ပြွဲ	ပြဲ	ပြဲ	ပြွဲ	ပြဲ
b	ပြဲ	ပြွဲ	ပြဲ	ပြဲ	ပြွဲ	ပြဲ
b	ပြဲ	ပြွဲ	ပြဲ	ပြဲ	ပြွဲ	ပြဲ

Phonological Change

$*C[+lab]^w \rightarrow C$

Result

၂	pa	= [pa]
၂၃	pā	
၂၄	pwa	
၂၅	p'a	
၂၆	p'ā	
၂၇	p'wa	

Modern System

	-a	-ā	-i	-ī	-u	-ū
^m b	𑀀	𑀁	𑀂	𑀃	𑀄	𑀅
f	𑀆	𑀇	𑀈	𑀉	𑀊	𑀋
v	𑀌	𑀍	𑀎	𑀏	𑀐	𑀑
∅	𑀒	𑀓	𑀔	𑀕	𑀖	𑀗

Modern System

	-e	-o	-ja	-ju	-wa	-wi
^m b	ႁ	ႁ	ႁ	ႁ	ႁ	ႁ
f	ႁ	ႁ	ႁ	ႁ	ႁ	ႁ
v	ႁ	ႁ	ႁ	ႁ	ႁ	ႁ
∅	ႁ	ႁ	ႁ	ႁ	ႁ	ႁ

Modern System

	-a	-ā	-i	-ī	-u	-ū
t	ṭ	ṭ̄	ṭḥ	ṭ̄ḥ	ṭṭ	ṭ̄ṭ
t'	ṭ̣	ṭ̣̄	ṭ̣ḥ	ṭ̣̄ḥ	ṭ̣ṭ	ṭ̣̄ṭ
d	ḍ	ḍ̄	ḍḥ	ḍ̄ḥ	ḍṭ	ḍ̄ṭ
ḍ	ḍ̣	ḍ̣̄	ḍ̣ḥ	ḍ̣̄ḥ	ḍ̣ṭ	ḍ̣̄ṭ

Modern System

	-e	-o	-ja	-ju	-wa	-wi
t	ṭṭ	ṭṭ	ṭṭ	ṭṭ	ṭṭ	ṭṭ
t'	ṭṭ	ṭṭ	ṭṭ	ṭṭ	ṭṭ	ṭṭ
d	ṭṭ	ṭṭ	ṭṭ	ṭṭ	ṭṭ	ṭṭ
d'	ṭṭ	ṭṭ	ṭṭ	ṭṭ	ṭṭ	ṭṭ

Modern System

	-a	-ā	-i	-ī	-u	-ū
ⁿ d	𑖔	𑖕	𑖖	𑖗	𑖘	𑖙
s	𑖚	𑖛	𑖜	𑖝	𑖞	𑖟
sʃ	𑖠	𑖡	𑖢	𑖣	𑖤	𑖥
z	𑖦	𑖧	𑖨	𑖩	𑖪	𑖫

Modern System

	-e	-o	-ja	-ju	-wa	-wi
ⁿ d	ၤ	ၤ	ၤ	ၤ	ၤ	ၤ
s	ၤ	ၤ	ၤ	ၤ	ၤ	ၤ
sʰ	ၤ	ၤ	ၤ	ၤ	ၤ	ၤ
z	ၤ	ၤ	ၤ	ၤ	ၤ	ၤ

Modern System

	-a	-ā	-i	-ī	-u	-ū
zʳ	𑌕	𑌕ᳵ	𑌕᳇	𑌕᳇ᳵ	𑌕ᳵ	𑌕ᳵᳵ
m	𑌕ᳵ	𑌕ᳵᳵ	𑌕ᳵ᳇	𑌕ᳵ᳇ᳵ	𑌕ᳵᳵ	𑌕ᳵᳵᳵ
n	𑌕ᳵ᳇	𑌕ᳵ᳇ᳵ	𑌕ᳵ᳇᳇	𑌕ᳵ᳇᳇ᳵ	𑌕ᳵ᳇ᳵ	𑌕ᳵ᳇ᳵᳵ
ŋ	𑌕ᳵᳵ	𑌕ᳵᳵᳵ	𑌕ᳵᳵ᳇	𑌕ᳵᳵ᳇ᳵ	𑌕ᳵᳵᳵ	𑌕ᳵᳵᳵᳵ

Modern System

	-e	-o	-ja	-ju	-wa	-wi
zʳ	ဒြဲ	ဒြို့	ဒြဲး	ဒြဲး	ဒြို့	ဒြို့
m	ဂြဲ	ဂြို့	ဂြဲး	ဂြဲး	ဂြို့	ဂြို့
n	ဂြဲး	ဂြို့း	ဂြဲး	ဂြဲး	ဂြို့	ဂြို့
ŋ	ဂြဲ	ဂြို့	ဂြဲး	ဂြဲး	ဂြို့	ဂြို့

Modern System

	-a	-ā	-i	-ī	-u	-ū
k	ᳵ	ᳶ	᳷	᳸	᳹	ᳺ
k'	ᳶ	᳷	᳸	᳹	ᳺ	᳻
g	᳷	᳸	᳹	ᳺ	᳻	᳼
ḡ	᳸	᳹	ᳺ	᳻	᳼	᳽

Modern System

	-e	-o	-ja	-ju	-wa	-wi
k	ᄀᄃ	ᄀᄄ	ᄀᄅ	ᄀᄆ	ᄀᄇ	ᄀᄈ
k'	ᄀᄃ	ᄀᄄ	ᄀᄅ	ᄀᄆ	ᄀᄇ	ᄀᄈ
g	ᄀᄉ	ᄀᄊ	ᄀᄋ	ᄀᄌ	ᄀᄍ	ᄀᄎ
g'	ᄀᄏ	ᄀᄐ	ᄀᄑ	ᄀᄒ	ᄀᄓ	ᄀᄔ

Modern System

	-a	-ā	-i	-ī	-u	-ū
ṅg	ṅa	ṅā	ṅi	ṅī	ṅu	ṅū
h	ha	hā	hi	hī	hu	hū
θ	ṭa	ṭā	ṭi	ṭī	ṭu	ṭū
ḍ	ḍa	ḍā	ḍi	ḍī	ḍu	ḍū

Modern System

	-e	-o	-ja	-ju	-wa	-wi
ᵑg	Ⴆ	Ⴆ	Ⴆ	Ⴆ	Ⴆ	Ⴆ
h	Ⴆ	Ⴆ	Ⴆ	Ⴆ	Ⴆ	Ⴆ
θ	Ⴆ	Ⴆ	Ⴆ	Ⴆ	Ⴆ	Ⴆ
ð	Ⴆ	Ⴆ	Ⴆ	Ⴆ	Ⴆ	Ⴆ

Modern System

	-a	-ā	-i	-ī	-u	-ū
r	ṛ	ṝ	ṛ̥	ṝ̐	ṛ̥̐	ṝ̐̐
l	ṛ̥	ṝ̐	ṛ̥̐̐	ṝ̐̐̐	ṛ̥̐̐̐̐	ṝ̐̐̐̐̐

Modern System

	-e	-o	-ja	-ju	-wa	-wi
ṛ	ṛe	ṛo	ṛja	ṛju	ṛwa	ṛwi
ṛ̥	ṛ̥e	ṛ̥o	ṛ̥ja	ṛ̥ju	ṛ̥wa	ṛ̥wi

New Glyphs

꠵ꠊ /zwa/

꠵ꠢ /zwi/

꠵ꠤ /zwe/

꠵ꠦ /zwo/

New Glyphs

ꠘꠞ /zja/

ꠘꠞꠞ /zju/

ꠘꠞꠢ /zje/

ꠘꠞꠣ /zjo/

Spelling

ᑭᑦᑲᑦᑲᑦ

<e-ti-lī-nu>

['e.dʒi.li.no]

“gear”

Spelling

ᑭᑦᑲᑦᑲᑦᑲᑦ

<e-ti-lī-nu>

['e.dʒi.li.no]

“gear”

ᑲᑦᑲᑦᑲᑦᑲᑦ

<di-mi-di-ru>

['dʒe.mi.dʒi.ro]

“anyway”

Spelling

ၵိာ်ရၢလၢ်

<nyu-vu-lā>

['ɲu.hu.la]

“complains”

ၵိာ်ရၢလၢ်

<nyu-vwa>

['ɲu.va]

“complained”

Spelling

፳፻፲፱

<fā-hi-ⁿdū>

['fjen.du]

“to own”

፳፻፲፱

<fje-ⁿdū>

['fjen.du]

“to own”

Spelling

တုတု

<ta-to>

['ta.to]

“dad”

ဟိုပိဆဲ

<ho-p'i-sje>

['ho.pi.fe]

“beautiful”

Spelling

ဝေဏ်း

လိမ္မော်

<SUN-ⁿdi-du>

<DANGER-zju-lu>

['ve.ron.dʒi.ðo]

['stʃi.re.ʒu.lo]

“sunrise”

“danger”

Mistakes

ᄒᆞᆫᆫᆞᆫ

<hu-kju-lū>

['wo.kju.lu]

“to sleep”

Mistakes

၂၀၁၇

Mistakes

ድብድብ

<ⁿda-hi-ka-ⁿdi>

['dai.gan.dʒe]

“hot”

Mistakes

Handwritten Korean text: **한국어**

Spelling

၇၂၇

<a-pi>

['a.be]

“if”

၇၂၇

<ā-θu>

['a.ðo]

“eleven”

Spelling

ḡ = <a>

ḥ = <ā>

$$\wedge \cap = p \cap$$

$$\wedge \cap = p \overline{\cap}$$

1 7 = 8

1 7 = 8

Mistakes

But I mixed up the glyphs in
the font editor.

Mistakes

By the time I realized my mistake it was too late: It was on signage that had been filmed. :(

Questions?

Tonight

- (1) PA23 = Share a word in your orthography from your language!
- (2) MA10: Your orthography!



CONLANG ORTHOGRAPHY ASSIGNMENT