### **9.16 Philippine Scripts**

Michael Everson 2000-10-16

Tagalog: U+1700–U+171F Hanunóo: U+1720–U+173F Buhid: U+1740–U+175F

Tagbanwa: U+1760-U+171F

South Indian scripts of the Pallava dynasty made their way to the Philippines, though the exact route by which these were brought to there is not certain. It seems that they may have been transported by way of the Kavi scripts of Western Java between the 10th and 14th centuries CE. Written accounts of the Tagalog script by Spanish missionaries, and documents in Tagalog, are known from the period of initial Spanish incursion in the mid-1500s. While the Tagalog script had been used to write the Tagalog, Bisaya, Ilocano, and other languages, it had fallen out of normal use by the mid-1700s; the Tagalog language now utilizes the Latin script. The Tagalog script has three living relatives (they may or may not be descendants): the Hanunóo, Buhid, and Tagbanwa scripts. All four of these scripts are encoded separately in the Unicode Standard. The Hanunóo and the Buhid live in Mindoro and the Tagbanwa live in Palawan. Tagbanwa is the least vigorous of the three living Philippine scripts. Hanunóo enjoys the most popular use.

#### Principles of the Scripts

Consonant Letters. As with other related scripts, Philippine scripts have consonants containing an inherent -a vowel, which may be modified by the addition of vowel signs, or, in some instances, "killed" by the use of a viramatype mark.

*Independent Vowel Letters.* As with other related scripts, Philippine scripts have null consonants which are used to write syllables that start with a vowel.

**Dependent Vowel Signs.** The vowel -i is written with a mark above, and the vowel -u with an identical mark below, the associated consonant. The mark is known in Tagalog as *kudlit* 'diacritic', *tuldik* 'accent', or *tildok* 'dot', and *ulitan* 'diacritic' in Tagbanwa. The Philippine scripts employ only the two vowel signs i and u, which are also used respectively to stand for the vowels e and o.

ba upada is rendered more accurately as  $\bar{\mathcal{U}}_i$ ,  $\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i\mathcal{V}_i$ 

**Additional characters.** Other reforms, such as the addition of e and o vowel signs or the letter FA, have not been standardized as they are wanting attestation (even in existing character sets). There is room in the tables for their later addition should it prove necessary.

**Directionality.** The Philippine scripts are read from left to right in horizontal lines running from top to bottom. They may be *written* or *carved* either in that manner, or in vertical lines running from bottom to top, moving from left to right. In the latter case, the letters are *written* sideways so they may be *read* horizontally. This method of writing is probably due to the medium and writing implements used. Text is often scratched with a sharp instrument onto beaten strips of bamboo which are held pointing away from the body and worked from the proximal to distal ends, in columns from left to right.

**Rendering.** In Tagalog and Tagbanwa, the vowel signs simply rest over or under the consonants. In Hanunóo and Buhid, however, special conjoined glyphs are formed.

x	$x + \bar{\circ}$	<i>x</i> + ॒
Y	φ	ه
И	Й	И
K	×	K
W	Ŵ	W.
$\dot{ u}$	$\bar{ u}$	i
77	77	77
7⁄	7×	7.
7	7	7
<i></i> ⊁	₺	×
U	Ӣ	$\mathcal{U}$
_	f	t
И	Й,	14
v	ヹ	₩
24	冱	24
ν	Ý	Vi

x	x + -	<i>x</i> + ॒
=	+	<b>=</b>
4	7	4-
<i>J</i> -	<i>]</i> =	<i>]</i> =
ľν	レテン	เ≀้า
<del>1</del> /	27	<b></b> ∠⁄
$\mathcal{T}$	Ť	7
7/	び	ZF
J	Ī	<b>_</b>
		₫
7/7	77	7/2
_	7	±
P	F	£
И	/-7	旦
7, L	7,	75
۷	۲	<u> </u>

**Punctuation.** Punctuation has been unified for the Philippine scripts. In the Hanunóo block, U+1735 PHILIPPINE SINGLE PUNCTUATION and U+1736 PHILIPPINE SINGLE PUNCTUATION are encoded. Tagalog makes use only of the latter; Hanunóo, Buhid, and Tagbanwa make use of both of them.

#### **Bibliography**

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# Tagalog, Hanunóo, Buhid and Tagbanwa Scripts

	170	171	172	173	174	175	176	177
0	V	V3	V	14	7_/	7	V	Va
1	M	2	1/	$\nu$	7	_	V	
2	3	<b>.</b>	7	ः	7	ा	*	ं•
3	Ж	ं.	P	ं।	11	្ន	X	্•
4	31	्	И	$\mathcal{J}$	4		(m	
5	50		V	/	7		}	
6	7		W	//	L71/		No.	
7	S		ン		7/		V	
8	<b>A</b>		77		7		$\uparrow$	
9	7		~		7/		V	
Α	Ω		7		7		0	
В	0		<b>X</b>				V	
С	V		$\mathcal{U}$		7/7		$\mathcal{V}$	
D			_		_			
Е	5		H V		4		ν. <i>C</i>	
F	Ð		W				5	

G = 00 P = 00

## Tagalog, Hanunóo, Buhid and Tagbanwa Scripts

hov	Name	dec	hex	Name
hex		uec		
00 01	TAGALOG LETTER A TAGALOG LETTER I		59 5A	(This position shall not be used) (This position shall not be used)
02	TAGALOG LETTER U TAGALOG LETTER KA		5B 5C	(This position shall not be used) (This position shall not be used)
04	TAGALOG LETTER GA		5D	(This position shall not be used)
05 06	TAGALOG LETTER NGA TAGALOG LETTER TA		5E 5F	(This position shall not be used) (This position shall not be used)
07	TAGALOG LETTER DA		60	TAGBANWA LETTER A
08 09	TAGALOG LETTER NA TAGALOG LETTER PA		61 62	TAGBANWA LETTER     TAGBANWA LETTER U
0A	TAGALOG LETTER BA		63	TAGBANWA LETTER KA
0B 0C	TAGALOG LETTER MA TAGALOG LETTER YA		64 65	TAGBANWA LETTER GA   TAGBANWA LETTER NGA
0D	(This position shall not be used)		66	TAGBANWA LETTER TA
0E 0F	TAGALOG LETTER LA TAGALOG LETTER WA		67 68	TAGBANWA LETTER DA   TAGBANWA LETTER NA
10	TAGALOG LETTER SA		69	TAGBANWA LETTER PA
11 12	TAGALOG LETTER HA TAGALOG VOWEL SIGN I		6A 6B	TAGBANWA LETTER BA   TAGBANWA LETTER MA
13	TAGALOG VOWEL SIGN U		6C	TAGBANWA LETTER YA
14 15	TAGALOG SIGN VIRAMA (This position shall not be used)		6D 6E	(This position shall not be used) TAGBANWA LETTER LA
16	(This position shall not be used)		6F	TAGBANWA LETTER WA
17 18	(This position shall not be used) (This position shall not be used)		70 71	TAGBANWA LETTER SA (This position shall not be used)
19	(This position shall not be used)		72	TAGBANWA VOWEL SIGN I
1A 1B	(This position shall not be used) (This position shall not be used)		73 74	TAGBANWA VOWEL SIGN U (This position shall not be used)
1C	(This position shall not be used)		75	(This position shall not be used)
1D 1E	(This position shall not be used) (This position shall not be used)		76 77	(This position shall not be used) (This position shall not be used)
1F	(This position shall not be used)		78	(This position shall not be used)
20 21	HANUNOO LETTER A HANUNOO LETTER I		79 7A	(This position shall not be used) (This position shall not be used)
22	HANUNOO LETTER U		7B	(This position shall not be used)
23 24	HANUNOO LETTER KA HANUNOO LETTER GA		7C 7D	(This position shall not be used) (This position shall not be used)
25	HANUNOO LETTER NGA		7E	(This position shall not be used)
26 27	HANUNOO LETTER TA HANUNOO LETTER DA		7F	(This position shall not be used)
28	HANUNOO LETTER NA			
29 2A	HANUNOO LETTER PA   HANUNOO LETTER BA			
2B	HANUNOO LETTER MA			
2C 2D	HANUNOO LETTER YA HANUNOO LETTER RA			
2D 2E	HANUNOO LETTER LA			
2F 30	HANUNOO LETTER WA HANUNOO LETTER SA			
31	HANUNOO LETTER HA			
32 33	HANUNOO VOWEL SIGN I HANUNOO VOWEL SIGN U			
34	HANUNOO SIGN PAMUDPOD			
35 36	PHILIPPINE SINGLE PUNCTUATION PHILIPPINE DOUBLE PUNCTUATION			
37	(This position shall not be used)			
38 39	(This position shall not be used) (This position shall not be used)			
3A	(This position shall not be used)			
3B 3C	(This position shall not be used) (This position shall not be used)			
3D	(This position shall not be used)			
3E 3F	(This position shall not be used) (This position shall not be used)			
40	BUHID LETTER A			
41 42	BUHID LETTER I BUHID LETTER U			
43	BUHID LETTER KA			
44 45	BUHID LETTER GA BUHID LETTER NGA			
46	BUHID LETTER TA			
47 48	BUHID LETTER DA BUHID LETTER NA			
49	BUHID LETTER PA			
4A 4B	BUHID LETTER BA BUHID LETTER MA			
4C 4D	BÜHID LETTER YA BUHID LETTER RA			
4E	BUHID LETTER LA			
4F 50	BÜHID LETTER WA BUHID LETTER SA			
51	BUHID LETTER HA			
52	BUHID VOWEL SIGN I			
53 54	BUHID VOWEL SIGN U (This position shall not be used)			
55 56	(This position shall not be used)			
57	(This position shall not be used) (This position shall not be used)			
58	(This position shall not be used)			
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