Unicode request for modifier small-cap W

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2025 May 06

Small-capital *w* is used in Americanist and similar notations for a voiceless *w* sound, equivalent to turned *m* in IPA. Small-capital *w* and lower-case *w* may be graphically similar in roman typeface, but they are visibly distinct in italic typeface, which is the norm when typesetting phonetic notation in those conventions that use small-capital *w*. Both Americanist notation and IPA use a modifier lowercase U+02B7 ^w for voiced labialization (and other shades of sound); labialized aspiration that is realized phonetically as voiceless labialization is therefore transcribed as modifier small-capital ^w in Americanist notation and as modifier turned lowercase ^m in IPA. Due to the visual similarity of modifier lowercase and small-capital *w* in roman typeface, an annotation should be added to help distinguish them.

Character

W 1DFCC MODIFIER LETTER SMALL CAPITAL W

Properties

1DFCC;MODIFIER LETTER SMALL CAPITAL W;Lm;0;L;<super> 1D21;;;;N;;;;;

Annotation

1DFCC MODIFIER LETTER SMALL CAPITAL W \rightarrow 02B7 MODIFIER LETTER SMALL W

References

- Eliel Lagercrantz (1941) Synopsis des Lappischen, *Oslo Etnografiske Museums skrifter*, Oslo, 2(4), pp. 227–350 https://www.nb.no/items/URN
- Edward Sapir (1992 [1929]) Southern Paiute, a Shoshonean Language. In William Bright, ed., The Collected Works of Edward Sapir X: Southern Paiute and Ute Linguistics and Ethnography. Mouton de Gruyter.

Chart

Latin Extended-G

1DF00

1DFFF

	1DF0	1DF1	1DF2	1DF3	1DF4	1DF5	1DF6	1DF7	1DF8	1DF9	1DFA	1DFB	1DFC	1DFD	1DFE	1DFF
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Figures

SOU	THERN	PAIUT	E, A SH	OSHON	EAN L	ANGU	AGE		4
Labial Labial (rounded)	und Chaspirated Stops	Aspirated Stops	e e Spirants	 ↓ ↓	Affricatives	m m Nasals	Woiceless	Voiced Rolled	Voiceless Rolled

Figure 1. Sapir (1929/1992: 45). Poposed w(red) is used for labialized aspiration (left) or voiceless labialization (center and right). The voicing of the labialization cannot be predicted from the carrier consonant p or m., as those consonants differ in voicing. Poposed w is the only symbol in the larger chart not supported by Unicode. In this italic typeface the proposed character (red) is visibly distinct from lowercase modifier U+02B7 w for voiced labialization (blue), as well as from baseline small-capital U+1D21 w and baseline lowercase U+0077 w displayed next to them (green).



Figure 2. Sapir (1929/1992: 41). Proposed small-capital modifier W in context, contrasting with lowercase modifier U+02B7 W .



Figure 3. Sapir (1929/1992: 32). In this token the voicelessness of proposed small-capital ^{*w*} is not predictable from a carrier consonant, as there is none.

 $\begin{aligned} h\hat{a}\cdot\check{l}a\,\check{l}\tau a\,:\!\gamma a\,\!s\tau \quad na_{\star}\cdot\check{m}a_{\star}{}^{\#}tu\,:\!vvuja^{\#}k \quad l\hat{e}\cdot\dot{a}: \quad \kappa\check{e}\check{a}^{\cdot d'}j\,\!j^{a_{\star}} \quad l\hat{e}\cdot\dot{a} \\ Pu\check{e}^{\circ}\check{e}^{\circ}\check{r}e\,\!s \quad me\cdot\ddot{a}r\check{r}^{a}-a\,\!\check{l}m\,\!aj^{j}\,.\,p^{\#}o\cdot all^{a} \quad lee \quad seamma, \quad mu^{\#}tt^{v} \\ son \quad lee \quad nuw^{\#}Pu\check{e}^{\circ}\check{e}^{\circ}\check{r}e\,\!s, \quad e^{\#}tt^{\varepsilon} \quad fe^{\intercal{r},{}^{\#}t\check{t}I}_{\star}m \quad lee \quad h\check{e}\check{e}\cdotj_{\star}{}^{\#}tte\,\!{}^{\#}t \\ m\hat{e}^{\circ}\check{a}\check{r}^{a} \quad su^{\#}kka\,\!\ast\,m\check{n}_{\star}s\tau \quad p^{\#}\dot{o}\cdot\dot{a}\check{l}^{a} \quad Par\,\!nn^{\varepsilon} \quad Pi\cdot e^{\#}tta\,\!r \quad lee \\ nu\cdot or\check{r}^{a} \quad me\cdot\ddot{a}r\check{r}^{a}-a\,\!\check{l}m\,\!aj^{j} \quad son \quad lee \quad \bar{a}^{\#}c^{\flat}c^{\flat}{}^{\#}s\tauas \quad ar^{\ddot{a}}P\,\!I\,\!m \\ me\cdot\ddot{a}r\check{r}^{a}-su^{\#}kka\,\!m-h\hat{a}:\check{l}^{u} \,.\,j\check{u}\check{O}\cdotw\,\!ss^{a} \quad lee \quad so\check{m}a\,\!s, \quad skal\,c^{\flat}e- \end{aligned}$

Figure 4. Lagercrantz (1941: 240) with proposed small-capital modifier w used for a voiceless offglide of *w*, equivalent to IPA w^w or w^w .

Biettär: Däi'dop fal! Mutto gosa mii gal'gap vuol'get? Lättanjär'gii gal livči däl borjad. — $Pi \cdot e^{\mu} tt a_{\lambda} r^{R} : \tau a j_{\lambda} \tau \tau o_{\lambda} \mu p$ fal! $mu^{\mu}t$ Kos mij Kal^aKK $a_{\lambda}^{\mu}p$ vų $e^{\circ} \cdot l^{e}KK_{\lambda}e_{\lambda}^{\mu}t$? $l\bar{a}^{\mu}t\check{t}^{A}$ - $\dot{n}\ddot{a}r^{e}K_{\lambda}ij$ Kel $liw_{\lambda}wc'i$ $\tau al Porja_{\lambda}\tau$.

Figure 5. Lagercrantz (1941: 240).

Dalle goit jot'tap gidda-ædnam guw'lui gæse algost. – le kut jühtiejⁱepuw Gijrɛ‑-ภaňīn kośujka, klėšjen $a \cdot \pounds^{\varepsilon} K u^{(w)} i:$ šnie. Goas læ ællo orostam (sup'pum), dalle sarves-doakke råt'kep miesse-åldoin. — kośuššie leäkà jânɛ̃^µkɛ̃ soʻshpmɛ̃, leä rośunc^ė hkɛ̃m jeʿāhkàлīɛ̃: htuw hɛllɛ́ rặrkiɛjiépuw mi̇·èšiɛhkį:štiɛ. Guoddeda maŋest (gas'ko juwnii-mano) dalle mas'tadæp miesseåldoid ja sarvesdoakke fast čoak'käi. — m´ɛ̃ŋŋàn suʿöhpɛɒn (k@skàh juwniɛm) reliɛ mɛ̃sthtiɛpuw (od. mɛ̃stepiɛːpuw) mi̇·èš^µkɛ̃m jih rośunc^éhkɛ̃m viht

Figure 6. Lagercrantz (1941: 328) Here lowercase modifier U+02B7 w , small-capital baseline U+1D21 w, and lowercase baseline w (green) are graphically distinct from the proposed small-capital modifier w seen in the previous figures.

ISO/IEC JTC 1/SC 2/WG 2 PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS FOR ADDITIONS TO THE REPERTOIRE OF ISO/IEC 10646 ¹ . Please fill all the sections A, B and C below. Please read Principles and Procedures Document (P & P) from std.dkuug.dk/JTC1/SC2/WG2/docs/principles.html for guidelines and details before filling this form. Please ensure you are using the latest Form from std.dkuug.dk/JTC1/SC2/WG2/docs/summaryform.html. See also std.dkuug.dk/JTC1/SC2/WG2/docs/roadmaps.html for latest <i>Roadmaps</i> .									
A. Administrative									
1. Title:	Modif	ier small-cap W							
2. Requester's name:		Kirk Miller							
3. Requester type (Member body/Liaison/Individual contribution):individual									
	4. Submission date: 2025 May 06								
	5. Requester's reference (if applicable):								
This is a compl			yes						
	rmation will be provided later:								
B. Technical – General	1								
1. Choose one of the fol									
	s for a new script (set of characters): name of script:								
	s for addition of character(s) to an existing	block:							
	he existing block:	Latin Extended-G							
2. Number of characters	s in proposal:		1						
3. Proposed category (se	elect one from below - see section 2.2 of P&	P document):							
	x B.1-Specialized (small collection)	B.2-Specialized (large coll	ection)						
C-Major extinct	D-Attested extinct	E-Minor extinct							
F-Archaic Hieroglyp		G-Obscure or questionable usage s							
	ling character names provided? names in accordance with the "character n	aming guidelines"	yes						
	L of P&P document?		yes						
b. Are the charact	ter shapes attached in a legible form suitab	ble for review?	yes						
5. Fonts related:									
a. Who will provide the appropriate computerized font to the Project Editor of 10646 for publishing the standard? <i>Kirk Miller</i>									
b. Identify the party granting a license for use of the font by the editors (include address, e-mail, ftp-site, etc.): SIL (Gentium Release)									
6. References:		Release)							
	(to other character sets, dictionaries, descr	riptive texts etc.) provided?	yes						
b. Are published examples of use (such as samples from newspapers, magazines, or other									
sources)									
of proposed chara		yes							
7. Special encoding issu		raccossing (if applicable) such as inpu	+						
Does the proposal address other aspects of character data processing (if applicable) such as input, presentation, sorting, searching, indexing, transliteration etc. (if yes please enclose information)? <i>yes</i>									
1	8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8								
8. Additional Information	on:								
Submitters are invited to provide any additional information about Properties of the proposed Character(s) or Script that									
will assist in correct understanding of and correct linguistic processing of the proposed character(s) or script. Examples of such properties are: Casing information, Numeric information, Currency information, Display behaviour information such as									
line breaks, widths etc., Combining behaviour, Spacing behaviour, Directional behaviour, Default Collation behaviour,									
relevance in Mark Up contexts, Compatibility equivalence and other Unicode normalization related information. See the									
Unicode standard at wv	Unicode standard at www.unicode.org for such information on other scripts. Also see Unicode Character Database								
(www.unicode.org/reports/tr44/) and associated Unicode Technical Reports for information needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard.									

¹ Form number: N4502-F (Original 1994-10-14; Revised 1995-01, 1995-04, 1996-04, 1996-08, 1999-03, 2001-05, 2001-09, 2003-11, 2005-01, 2005-09, 2005-10, 2007-03, 2008-05, 2009-11, 2011-03, 2012-01)

C. Technical - Justification

1. Has this proposal for addition of character(s) been submitted before?	no					
If YES explain						
2. Has contact been made to members of the user community (for example: National Body,						
user groups of the script or characters, other experts, etc.)?	yes					
If YES, with whom? author is a member of the user community						
If YES, available relevant documents:						
3. Information on the user community for the proposed characters (for example:						
size, demographics, information technology use, or publishing use) is included?						
Reference:						
4. The context of use for the proposed characters (type of use; common or rare)	phonetics					
Reference:						
5. Are the proposed characters in current use by the user community?	yes					
If YES, where? Reference: see illustrations						
6. After giving due considerations to the principles in the P&P document must the proposed characters be	entirely					
in the BMP?	no					
If YES, is a rationale provided?						
If YES, reference:						
7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)?	yes					
8. Can any of the proposed characters be considered a presentation form of an existing						
character or character sequence?	no					
If YES, is a rationale for its inclusion provided?						
If YES, reference:						
9. Can any of the proposed characters be encoded using a composed character sequence of either						
existing characters or other proposed characters?	no					
If YES, is a rationale for its inclusion provided?						
If YES, reference:						
10. Can any of the proposed character(s) be considered to be similar (in appearance or function)						
to, or could be confused with, an existing character?	no					
If YES, is a rationale for its inclusion provided?						
If YES, reference:						
11. Does the proposal include use of combining characters and/or use of composite sequences?	<u>no</u>					
If YES, is a rationale for such use provided?						
If YES, reference:						
Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided?	no					
If YES, reference:	<u> </u>					
12. Does the proposal contain characters with any special properties such as						
control function or similar semantics?	no					
If YES, describe in detail (include attachment if necessary)						
13. Does the proposal contain any Ideographic compatibility characters?						
If YES, are the equivalent corresponding unified ideographic characters identified?						
If YES, reference:						