

BibleVox Implementation of Webster's (1934) Vowel Diacritical Markup

(By: MEAdams, Version: 2017-05-04)

Note: This document requires DejaVu Serif fonts

"The Westminster Dictionary of the Bible", By: John D. Davis, Revised by: Henry S. Gehman, The Westminster Press, 1944; and "The New Westminster Dictionary of the Bible", Edited by: Henry S. Gehman, The Westminster Press, 1970 were chosen as the primary pronunciation references for the BibleVox project. These works are remarkable in their comprehensive word content and specific and consistent application of pronunciation diacritical markup. They employ the diacritical symbols from the "Webster's New International Dictionary of the English Language", Second Edition, 1934. The exactitude of the diacritical markup was of paramount significance in the diction achieved with the CMU Festival speech engine.

Table 1: BibleVox Implementation of Webster (1934) Vowel Diacritical Symbols

<u>Sym</u>	<u>Example</u>	<u>IPA</u>	<u>SndSpell</u>	<u>Sym</u>	<u>Example</u>	<u>IPA</u>	<u>SndSpell</u>
ā	fāte	eɪ	ay	ĩ	char'ĩ-ty	ə	uh
ǎ ⁽¹⁾	vǎ-ca'tion	ə, eɪ	uh, ay ⁽³⁾	ō	nōte	oʊ	oh
â	câre	ɛr	ehr	ō ⁽¹⁾	ō-bey'	ə, oʊ	uh, oh ⁽⁵⁾
ǣ	ǣdd	æ	a	ô	ôrb	ɔ, ɔr	ao, ohr ⁽⁶⁾
ǣ	in'fǣnt	ə	uh	ö	ödd	ɑ	o
ärm	ärm	ɑr	ahr	ö ⁽²⁾	söft	ɔ	ao
à	àsk	ɑ	ah	õ	cõn-nect'	ə	uh
ǻ	so'fǻ	ə	uh	oi	oil	ɔɪ	oy
ē	mēte	i:	ee	oo	mōon	u	oo
ē	hēre	ɪr	ihr	oo	bōok	ʊ	uu
ě ⁽¹⁾	ě-vent'	ɪ, i:	i, ee ⁽⁴⁾	ou	out	aʊ	ow
ĕ	mĕt	ɛ	e	ū	cūbe	ju, u	yoo, oo ⁽⁷⁾
ĕ	si'lĕnt	ə	uh	ũ ⁽¹⁾	ũ-nite'	ju	yoo
ẽ	mak'ẽr	ʒ~	uhr	û	ûrn	ʒ~	uhr
ī	īce	aɪ	iy	ŭ	ŭp	ʌ	u
ĩ	ĩll	ɪ, i:	i, ee ⁽⁴⁾	ű	cir'cűs	ə	uh

(1), (2) The symbol differs slightly from Webster's, which is not available in the DejaVu font.

(3)