

## Use of IPA Fonts

Speech Technical Committee  
and Editorial Staff

Journal of the Acoustical Society of America,  
Acoustical Society of America,  
2 Huntington Quadrangle, Suite 1NO1,  
Melville, NY 11747-4502

### Introduction

The Acoustical Society of America uses the online Peer X-Press (PXP) system for manuscript files submitted to the Journal of the Acoustical Society of America (JASA) and JASA Express Letters (JASA-EL). This document describes how authors can use phonetic fonts with their wordprocessors. The standard phonetic font for PXP is the International Phonetic Alphabet (IPA), which is maintained by the International Phonetics Association, whose home page is

<http://www2.arts.gla.ac.uk/IPA/ipa.html>. The display of the alphabet (1993, updated 1996) can be found at a variety of sites that are reached from There are also links to Phonetic Fonts for Word-Processing and to Phonetic Fonts for WWW Documents. The former, whose site address is <http://www.arts.gla.ac.uk/IPA/ipafonts.html>, lists various sources where one can obtain IPA fonts for "Macintosh, Windows, and TeX/LaTeX."

### Font Problem

The portability of documents prepared using such fonts on one's individual computer system is not necessarily guaranteed. The situation is complex with various interactions between operating systems, wordprocessors, embedding of fonts in post-script and PDF files, etc. For example, there might be a problem if the file were converted to PDF and then transmitted. If one sent a source-file manuscript electronically to another computer system, the file when opened and put into a typeset form would not necessarily display the IPA symbols correctly. Portability is possible if the other computer has stored the exact same fonts. Whether this would also work if the fonts were the same, but obtained from different sources, is likely to be so, but would have to be tested.

### ASA Support of Fonts

For online manuscript submission, PXP is supporting Word manuscript files that use the SIL IPA93 fonts and LaTeX manuscript files that use the TIPA fonts.

SIL fonts are maintained by the Summer Institute of Linguistics, whose web address is <http://www.sil.org/>. While they offer they offer several versions of SIL fonts, the SIL IPA93 Fonts (<http://www.sil.org/computing/fonts/encore-ipa.html>) for recent versions of Windows and Mac OsX are being supported for use in PXP. Specifically, ASA's peer-review system for JASA and JASA-EL is known to support the conversion (to PDF) of PC-composed Word manuscript files that use the SIL IPA93 fonts. For Mac-composed Word files that use the SIL IPA93 fonts, the version submitted to the system should be in PDF or PostScript format (with fonts embedded) because incompatibilities between PXP and the Mac Word files occur.

TIPA fonts are available through the Comprehensive TeX Archive Network at <http://www.ctan.org/>. For LaTeX manuscripts, PXP's LaTeX-processing environment (MikTeX) supports the use of TIPA fonts.

For manuscripts coming from other platforms, or using IPA font sets that are not supported, the version submitted to the PXP system should be in PDF or PostScript format (with fonts embedded). In the future,

support may indeed extend to IPA font collections other than SIL IPA93, but none of these alternatives has been tested for compatibility with the PXP system. Only the SIL IPA93 fonts have been installed and tested on the PXP system. For those manuscript files containing other IPA fonts, the general "special character" guidelines for using the system should be considered: If the system-converted PDF version of a submitted manuscript does not faithfully reproduce any special characters used in the source manuscript file on your local computer, then do one of the following: (i) Recreate the file (or an alternate format version) with fonts embedded, and submit that file. (ii) Create a PDF or PostScript format version (with fonts embedded) from the source file on your computer, and submit that.

### **Download and Use of SIL IPA93 Fonts**

For PCs, see next page, and for Macs see last page.

## Instructions for SIL Encore IPA93 fonts for JASA and JASA-EL

### For Windows NT4, 2000 & XP Using Word & Acrobat

Close: All applications

Goto: <http://www.sil.org/computing/fonts/encore-ipa.html>

Click: Download SIL IPA fonts now

Scroll to: Installing the SIL IPA93 Fonts in Windows NT4, 2000, and XP

Click: SIL Encore IPA93 Fonts  
[Careful **not** to click on SIL Encore IPA Fonts]

Save: silipa93.exe in a temp location

For NT or 2000, follow instructions on SIL site to install fonts

For XP, run silipa93.exe which will put the fonts into your \windows\system folder. [Note that the installation routine may incorrectly say that the fonts will be placed in the \windows\fonts folder.] Then, per the instructions on the SIL site, install the fonts for actual use by (i) using the Control Panel – Fonts facility, or by (ii) moving or copying them from \windows\system to \windows\fonts (use Windows Explorer).

Note there are three SIL IPA fonts. SilDoulosIPA is similar to Times font and is recommended. The IPA symbols can be accessed by using the menu Insert -> Symbol, or via the Accessories program, Character Map. Alternatively, find SilDoulosIPA under the Font dropdown, or insert the Glyph Access Code from the User's Guide.

If you find that the font names are listed, but individual symbols don't display, e.g., via Insert -> Symbol or Character Map, then re-boot your computer.

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## **Instructions for SIL Encore IPA93 fonts for JASA and JASA-EL For Max OsX Using Word & Acrobat**

Caution: Documents created on Mac OsX Word with SIL fonts will not be read correctly in PC Word. The fonts will correctly embed in using Acrobat into PDF files.

### **To Download and Install:**

Close: All applications

Goto: <http://www.sil.org/computing/fonts/encore-ipa.html>

Click: Download SIL IPA fonts now

Scroll to: Installing the SIL IPA and SILIPA93 Fonts on a Macintosh

Ignore instructions that are for about version 7 of the Mac OS and follow below:

Click: SIL Encore IPA93 Fonts (MacBinary)

Save to a temp area. This file will attempt to open a “classic”, older version of Stuffit. Close that and open the MacOSX Stuffit under Applications:Utilities:Stuffit. Drag the downloaded file onto the Stuffit window and it will create a folder called ‘SIL IPA93 Fonts’. Move that folder to a place for safekeeping.

To install the fonts, open the ‘SIL IPA93 Fonts’ folder. Copy the three files that end in “.fam™” to your hard drive folder, “Library:Fonts”. Note there are three SIL IPA fonts. SilDoulosIPA is similar to Times font and is recommended.

### **To use the SIL IPA93 Fonts in Word,**

Do NOT consult the ancient “User’s Guide” in the ‘SIL IPA93 Fonts’ folder or the suggestions on the website where the fonts are downloaded.

Here are two ways to use the fonts in OsX:

1) The IPA symbols can be typed directly by first selecting ‘sildoulos reg’ from the font drop down menu, and then typing the keys on the keyboard using the table found <http://www.indiana.edu/~acoustic/softlink.html> in both .doc and .pdf forms.

2) The IPA symbols can be accessed by first selecting ‘sildoulos reg’ from the font drop down menu, and then using the menu Insert -> Symbol-> (normal text) and selecting the character from the table to insert.

3) Special note for Mac Japanese OsX. There is a system bug in using method (2) above. Use these instructions instead: Before inserting an IPA font, set font to "SIL Doulos regular" in the font drop-down box. Then type a character and highlight it. The font should still be "SIL Doulos regular" even though the font box does not show it. Go to "Insert" > "Symbols" and choose the character you want to insert from the table.

JASA Policy: Mac Word users submitting a manuscript file to JASA that contains SIL IPA symbols should submit it as a PDF document.

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## SIL-Doulos IPA93 Font

### 1. Using the lowercase keyboard

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p
ā	b̄	c̄	d̄	ē	f̄	ḡ	h̄	ī	ĵ	k̄	l̄	m̄	n̄	ō	p̄
q	r	s	t	u	v	w	x	y	z	`	1	2	3	4	5
q̄	r̄	s̄	t̄	ū	v̄	w̄	x̄	ȳ	z̄	`	1	2	3	4	5
6	7	8	9	0	-	=	[	]	\	;	‘	,	.	/	
6̄	7̄	8̄	9̄	0̄	-	=	[	]	\	;	‘	,	.	/	

### 2. Using shift

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p
Å	B	Ç	D	E	F	G	H	I	J	K	L	M	N	O	P
q	r	s	t	u	v	w	x	y	z	`	1	2	3	4	5
Q	R	S	T	U	V	W	X	Y	Z	~	!	@	#	\$	%
6	7	8	9	0	-	=	[	]	\	;	‘	,	.	/	
^	&	*	(	)	_	+	{	}		:	"	<	>	?	

### 3. Using option

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p
ǎ	ƒ	ç	ð		f	©	·		Δ	°	¬	μ		∅	π
q	r	s	t	u	v	w	x	y	z	`	1	2	3	4	5
œ	®	ß	†		√	∑	≈	¥	Ω						∞
6	7	8	9	0	-	=	[	]	\	;	‘	,	.	/	
§	¶					≠			«	...	æ	≤	≥	÷	

### 4. Using shift + option

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p
Å	ı	Ç	Î	´	İ	ˆ	Ó	^	Ô	□	Ò	Â	˜	Ø	Π
q	r	s	t	u	v	w	x	y	z	`	1	2	3	4	5
Œ	‰	Î	˘	¨	◊	˝	˙	Á	˚				<		
6	7	8	9	0	-	=	[	]	\	;	‘	,	.	/	
					—		˝	’	»	Ú	Æ	ˉ	˘	¿	