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L^AT_EX Support For Adobe Caslon Fonts

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Abstract

This package provides L^AT_EX support for the Adobe Caslon Fonts. Note that it does not provide the fonts themselves.

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Table 1: PFB Files

File	Font
<code>awrg_____pfb</code>	Adobe Caslon Regular
<code>awi_____pfb</code>	Adobe Caslon Italic
<code>awsb_____pfb</code>	Adobe Caslon Semibold
<code>awsbi_____pfb</code>	Adobe Caslon Semibold Italic
<code>awb_____pfb</code>	Adobe Caslon Bold
<code>awbi_____pfb</code>	Adobe Caslon Bold Italic

1 Introduction

This package provides support files for the Adobe Caslon font family in pdfL^AT_EX. (The Lua_TE_X and X_YL_AT_EX engines support system fonts directly, but there are still good reasons to use pdf_TE_X.)

The expert font support is based on the `acaslon` package by Ulrik Vieth.

The initial work on this package was done by Boris Veytsman; Reuben Thomas added support for expert fonts using Ulrik Vieth’s code.

2 Installation

The following instructions assume a TeX Directory Structure compliant TeX system. If you don’t know what that is, you probably have one! Otherwise, you’ll need to work out where to put the files yourself.

First, you need to purchase the fonts themselves: the `pfb` files are *not* included in the package. If you got the fonts from Adobe, do not rename the `pfb` files. However, if there are uppercase letters in your files’ names, downcase them. If you obtained the files from another source, rename the fonts according to Table 1 and, if you have the expert fonts, Table 2. Install the files into `$TEXMF/fonts/type1/adobe/adobecaslon`.

Then, download <http://ctan.tug.org/install/fonts/psfonts/adobe/adobecaslon.tds.zip> and unzip this file in `$TEXMF`.

Finally, add the line `Map pac.map` to your `updmap.cfg` file, and run `updmap` and `texhash` to update the configuration files and file names database.

The package `adobecaslon.sty` provides a number of commands for using the font family (see Section 3).

2.1 Fonts for extra ligatures

There is a range of ligatures for the ‘long s’ letter in the Alternate fonts, but there are others it is nice to have (although the fonts do quite well without them). They are quite easy to make in a font editor such as FontForge (<http://fontforge.github.io>): for example, ‘longs longs i’ can be made by grafting the left-hand letter of the ‘longs longs’ ligature on to the ‘longs i’ ligature.

Table 2: Expert PFB Files

File	Font
awab____.pfb	Adobe Caslon Bold Alternate
awabi____.pfb	Adobe Caslon Bold Italic Alternate
awai____.pfb	Adobe Caslon Italic Alternate
awarg____.pfb	Adobe Caslon Regular Alternate
awasb____.pfb	Adobe Caslon Semibold Alternate
awasi____.pfb	Adobe Caslon Semibold Italic Alternate
awb____.pfb	Adobe Caslon Bold
awbi____.pfb	Adobe Caslon Bold Italic
awi____.pfb	Adobe Caslon Italic
awor____.pfb	Adobe Caslon Ornaments
awrg____.pfb	Adobe Caslon Regular
awsb____.pfb	Adobe Caslon Semibold
awsbi____.pfb	Adobe Caslon Semibold Italic
awsbs____.pfb	Adobe Caslon SemiboldSC
awsc____.pfb	Adobe Caslon Regular Small Caps & Oldstyle Figures
awssb____.pfb	Adobe Caslon Swash Semibold Italic
awsbw____.pfb	Adobe Caslon Swash Bold Italic
awswi____.pfb	Adobe Caslon Swash Italic
axb____.pfb	Adobe Caslon Bold Expert
axbi____.pfb	Adobe Caslon Bold Italic Expert
axi____.pfb	Adobe Caslon Italic Expert
axrg____.pfb	Adobe Caslon Regular Expert
axsb____.pfb	Adobe Caslon Semibold Expert
axsbi____.pfb	Adobe Caslon Semibold Italic Expert
awbio____.pfb	Adobe Caslon Bold Italic OsF
awbos____.pfb	Adobe Caslon Bold OsF
awio____.pfb	Adobe Caslon Italic OsF
awsis____.pfb	Adobe Caslon Semibold Italic OsF

Table 3: Supported extra ligatures

Ligature sequence	Code point	Standard glyph at code point
<code>longs longs i</code>	0x49	i
<code>longs longs l</code>	0x4c	l

Table 4: Extra ligature PFB Files

File	Font
<code>awabe_...pfb</code>	Adobe Caslon Bold Alternate Extra
<code>awabie_...pfb</code>	Adobe Caslon Bold Italic Alternate Extra
<code>awaie_...pfb</code>	Adobe Caslon Italic Alternate Extra
<code>awarge_...pfb</code>	Adobe Caslon Regular Alternate Extra
<code>awasbe_...pfb</code>	Adobe Caslon Semibold Alternate Extra
<code>awasie_...pfb</code>	Adobe Caslon Semibold Italic Alternate Extra

Unfortunately, distributing these ligatures would probably be illegal in many countries, so if you want them you will have to make them for yourself.

Table 3 lists the extra ligatures supported, along with the code point at which each glyph should appear and the corresponding glyph name in the standard encoding. (It would be nice to support a wider range of extra ligatures if there were a way of detecting which the user had supplied.) Table 4 lists the required font files, one for each Alternate font. The extra ligatures are used when the `extraligs` package option is given.

3 Using L^AT_EX Style

To use the package, add to the preamble of your document the usual incantation `\usepackage[options]{adobecaslon}`.

Several options are defined; see Table 5.

Note that the `scaled` package option does not currently apply to the italic swash and ornament fonts.

The package provides Adobe fonts in two shapes: upright and italic, and in three weights: medium (`m`), semibold (`sb`) and bold (`b`). The can be selected in the usual way, for example

```
\fontfamily{pac}\fontshape{it}\fontseries{sb}\selectfont
```

<code>\adobecaslonfamily</code>	Alternatively you can use a declaration <code>\adobecaslonfamily</code> and a command
<code>\textadobecaslon</code>	<code>\textadobecaslon</code> to set the family.
<code>\sbseries</code>	You can use the standard L ^A T _E X commands to select the shape and weight of
<code>\textsb</code>	the font. The package also provides a new declaration <code>\sbseries</code> and a command

Table 5: Package options

Option	Meaning
<code>expert</code>	Use expert fonts
<code>osf</code>	Use old-style (ranging) figures (requires expert fonts)
<code>swashit</code>	Use swash italics (requires expert fonts)
<code>alternate</code>	Use alternate old-style ligatures (requires expert fonts)
<code>longs</code>	Use long ‘s’ (requires expert fonts)
<code>c18th</code>	Use long ‘s’ with 18th century rules (require expert fonts)
<code>extraligs</code>	Use extra ligatures with <code>longs</code> or <code>c18th</code> (see Section 2.1)
<code>swashlongs</code>	Use long ‘s’ with swashes (requires expert fonts)
<code>normdefault</code>	Don’t make Caslon the default roman typeface
<code>rmdefault</code>	Make Caslon the default roman typeface (default)
<code>scaled=N</code>	Scale the font by the given factor (default: 1.00)
<code>bold</code>	Use bold faces for <code>\bfseries</code>
<code>semibold</code>	Use semibold faces for <code>\bfseries</code> (default)

`\textsb` modeled after the familiar commands `\bfseries` and `\textbf`, which select semi-bold weights.

<code>\adobecasloneexpert</code>	Select expert fonts.
<code>\adobecasloneosf</code>	Select expert fonts with old-style (ranging) figures.
<code>\adobecaslonealternate</code>	Select old-style alternate ligatures.
<code>\adobecaslone longs</code>	Select long ‘s’.
<code>\adobecaslone eighteenth</code>	Select long ‘s’ with 18th century rules (see Section 3.1).
<code>\adobecaslone swashit</code>	Select swash italics.
<code>\adobecaslone swashcaps</code>	Select swash caps.
<code>\adobecaslone ornaments</code>	Select ornaments.

Note that currently hyphenation of long ‘s’ does not work properly: `TEX` seems to register a word boundary before the hyphen, so the ‘s’ is shortened incorrectly. As a workaround, use `\noboundary` directly before such a hyphenation.

3.1 Rules for ‘long s’

The following rules are implemented automatically for the use of ‘long s’ when the `longs` package option or `\adobecaslone longs` command is used. Some come directly from the font; others are taken from <http://babelstone.blogspot.co.uk/2006/06/rules-for-long-s.html>. See also <http://english.stackexchange.com/questions/96408/during-what-period-of-history-did-english-use-ss-the-sharp-s-ligatu>

- ‘Long s’ becomes short at the end of a word.
- ‘Long s’ becomes short before apostrophe.
- ‘Long s’ becomes short before and after ‘f’.

- ‘Long s’ before manual hyphen (i.e., glyph `hyphen`; line-break hyphen is `hyphenchar`) becomes short.

The following rules must be applied manually:

- ‘Long s’ is retained at the end of abbreviations before the full stop: add `\noboundary` before stop.
- ‘Long s’ before line-break hyphen (glyph `hyphenchar`): this is incorrectly shortened, so add `\noboundary\-` at the hyphenation point.
- To shorten a ‘long s’ that is not automatically shortened, insert some sort of break after it.

The following additional rules are implemented when the `c18th` package option or `\adobecasloneighteenth` command is used:

- The ‘eszet’-style ligature becomes a ‘long s’–‘short s’ ligature.
- ‘Long s’ is shortened before b and k.

3.2 Bugs and future work

It might seem odd that for version 2 of this package, prepared in 2014, we are still using `fontinst` and PostScript Type 1 fonts. The reason is that as of `TEX Live 2012`, `LuaTEX` seems to kern Adobe Caslon Pro poorly, and the `hlig` historical ligature rules don’t seem to work as expected.

The files currently supplied in binary form from Ulrik Vieth’s original package for the swash and ornament fonts should be generated.

4 Implementation

4.1 Identification

We start by declaring who we are.

```
1 <style>\NeedsTeXFormat{LaTeX2e}
2 <driver>\ProvidesFile{adobecaslون.dtx}
3 <style>\ProvidesPackage{adobecaslون}
4 <style> [2014/04/01 v2.0 Using Adobe Caslon Font in LaTeX]
```

And the driver code:

```
5 (*driver)
6 \documentclass{ltxdoc}
7 \usepackage{booktabs}
8 \usepackage{url}
9 \usepackage[tableposition=top]{caption}
10 \usepackage{hypdoc}
11 \usepackage[normdefault]{adobecaslون}
12 \usepackage{metalogo}
13 \PageIndex
14 \CodelineIndex
15 \RecordChanges
16 \EnableCrossrefs
17 \begin{document}
18   \DocInput{adobecaslون.dtx}
19 \end{document}
20 </driver>
```

4.2 Fontinst Driver

This follows [1].

First, the preamble

```
21 (*pac-drv, pac-expert-drv, pac-extraligs-drv)
22 \input fontinst.sty
23 \substitutesilent{bx}{b}
```

Starting recording transforms:

```
24 \recordtransforms{pac-rec.tex}
25 </pac-drv, pac-expert-drv, pac-extraligs-drv>
```

The base fonts:

```
26 (*pac-drv, pac-expert-drv, pac-extraligs-drv)
27 \transformfont{pacr8r}{\reencodefont{8r}{\fromafm{awrg_____}}}
28 \transformfont{pacri8r}{\reencodefont{8r}{\fromafm{awi_____}}}
29 \transformfont{pacs8r}{\reencodefont{8r}{\fromafm{awsb_____}}}
30 \transformfont{pacsi8r}{\reencodefont{8r}{\fromafm{awsbi_____}}}
31 \transformfont{pacb8r}{\reencodefont{8r}{\fromafm{awb_____}}}
32 \transformfont{pacbi8r}{\reencodefont{8r}{\fromafm{awbi_____}}}
```

Make oblique fonts for faking italic small caps:

```
33 \transformfont{pacro8r}{\slantfont{167}{\frommtx{pacr8r}}}
```



```

34 \transformfont{pacso8r}{\slantfont{167}{\frommtx{pacs8r}}}
35 \pac-drv, pac-expert-drv, pac-extraligs-drv)
36 %
37 % The use of expert fonts is optional, so we have a separate driver for them:
38 % \begin{macrocode}
39 \pac-expert-drv, pac-extraligs-drv)
40 \transformfont{pacb7a}{\fromafm{awab_____}}
41 \transformfont{pacbi7a}{\fromafm{awabi_____}}
42 \transformfont{pacri7a}{\fromafm{awai_____}}
43 \transformfont{pacr7a}{\fromafm{awarg_____}}
44 \transformfont{pacs7a}{\fromafm{awasb_____}}
45 \transformfont{pacs7a}{\fromafm{awasb_____}}
46 \transformfont{pacrp}{\fromafm{awor_____}}
47 \transformfont{pacsc8x}{\fromafm{awsbs_____}}
48 \transformfont{pacrc8x}{\fromafm{awsc_____}}
49 \transformfont{pacsiw}{\fromafm{awssb_____}}
50 \transformfont{pacbiw}{\fromafm{awswb_____}}
51 \transformfont{pacriw}{\fromafm{awswi_____}}
52 \transformfont{pacb8x}{\fromafm{axb_____}}
53 \transformfont{pacbi8x}{\fromafm{axbi_____}}
54 \transformfont{pacri8x}{\fromafm{axi_____}}
55 \transformfont{pacr8x}{\fromafm{axrg_____}}
56 \transformfont{pacs8x}{\fromafm{axsb_____}}
57 \transformfont{pacs8x}{\fromafm{axsb_____}}
58 \transformfont{pacs8x}{\fromafm{axsb_____}}
59 \transformfont{pacs8x}{\fromafm{axsb_____}}
60 \transformfont{pacs8x}{\fromafm{axsb_____}}
61 \transformfont{pacs8x}{\fromafm{axsb_____}}
62 \pac-expert-drv, pac-extraligs-drv)

```

Make expert oblique fonts for faking italic small caps:

```

58 \transformfont{pacro8x}{\slantfont{167}{\frommtx{pacr8x}}}
59 \transformfont{pacrc8x}{\slantfont{167}{\frommtx{pacrc8x}}}
60 \transformfont{pacso8x}{\slantfont{167}{\frommtx{pacs8x}}}
61 \transformfont{pacsc8x}{\slantfont{167}{\frommtx{pacsc8x}}}
62 \pac-expert-drv, pac-extraligs-drv)

```

The “extraligs” fonts must be supplied by the user, so they have a separate driver:

```

63 \pac-extraligs-drv)
64 \transformfont{pacb7ae}{\fromafm{awabe_____}}
65 \transformfont{pacbi7ae}{\fromafm{awabie_____}}
66 \transformfont{pacri7ae}{\fromafm{awaie_____}}
67 \transformfont{pacr7ae}{\fromafm{awarge_____}}
68 \transformfont{pacs7ae}{\fromafm{awasbe_____}}
69 \transformfont{pacs7ae}{\fromafm{awasbe_____}}
70 \pac-extraligs-drv)

```

There is no hook in `fontinst.sty` for writing our own preamble to `.fd` file. However, we need to add scaling commands to the preamble, so we patch `fontinst`:

```

71 \pac-drv, pac-expert-drv, pac-extraligs-drv)
72 \fontinstcc
73 \def\fd_family#1#2#3{
74   \a_toks{#3}
75   \edef\lowercase_file{\lowercase{

```

```

76   \edef\noexpand\lowercase_file{#1#2.fd}}
77   \lowercase_file
78   \open_out{\lowercase_file}
79   \out_line{\percent_char~Filename:~\lowercase_file}
80   \out_line{\percent_char~Created~by:~tex~\jobname}
81   \out_line{\percent_char~Created~using~fontinst~v\fontinstversion}
82   \out_line{}
83   \out_line{\percent_char~THIS~FILE~SHOULD~BE~PUT~IN~A~TEX~INPUTS~
84     DIRECTORY}
85   \out_line{}
86   \out_line{\string\ProvidesFile{\lowercase_file}}
87   \out_lline{[
88     \the\year/
89     \ifnum10>\month0\fi\the\month/
90     \ifnum10>\day0\fi\the\day\space
91     Fontinst~v\fontinstversion\space
92     font~definitions~for~#1/#2.
93   ]}
94   \out_line{}

```

Here is our patch:

```

95   \out_line{\string\expandafter\string\ifx\string\csname\space
96     adobecaslon@scaled\string\endcsname\string\relax}
97   \out_line{\space\string\let\string\adobecaslon@scaled\string\@empty}
98   \out_line{\string\else}
99   \out_line{\space\string\edef\string\adobecaslon@scaled\left_brace_char
100     s*[\string\csname\space adobecaslon@scaled\string\endcsname]
101     \right_brace_char\percent_char}
102   \out_line{\string\fi\percent_char}
103   \out_line{}

```

End of the patch.

```

104   \out_line{\string\DeclareFontFamily{#1}{#2}{\the\a_toks}}
105   {
106     \csname #1-#2\endcsname
107     \out_line{}
108     \let\do_shape=\substitute_shape
109     \csname #1-#2\endcsname
110     \let\do_shape=\remove_shape
111     \csname #1-#2\endcsname
112   }
113   \x_cs\g_let{#1-#2}\x_relax
114   \out_line{}
115   \out_line{\string\endinput}
116   \close_out{Font~definitions}
117 }
118 \normalcc

```

Now we install the fonts. First T1:

```

119 \installfonts
120 \installfont{pacr8t}{pacr8r,newlatin}{t1}{T1}{pac}{m}{n}{ <->\string\adobecaslon@scaled}

```

```

121 \installfont{pacro8t}{pacro8r,newlatin}{t1}{T1}{pac}{m}{sl}{ <->\string\adobecaslon@scaled}
122 \installfont{pacrc8t}{pacrc8r,newlatin}{t1c}{T1}{pac}{m}{sc}{ <->\string\adobecaslon@scaled}
123 \installfont{pacrc8t}{pacro8r,newlatin}{t1c}{T1}{pac}{m}{scit}{ <->\string\adobecaslon@scaled}
124 \installfont{pacri8t}{pacri8r,newlatin}{t1}{T1}{pac}{m}{it}{ <->\string\adobecaslon@scaled}
125 \installfont{pacs8t}{pacs8r,newlatin}{t1}{T1}{pac}{sb}{n}{ <->\string\adobecaslon@scaled}
126 \installfont{pacso8t}{pacso8r,newlatin}{t1}{T1}{pac}{sb}{sl}{ <->\string\adobecaslon@scaled}
127 \installfont{pacsc8t}{pacs8r,newlatin}{t1c}{T1}{pac}{sb}{sc}{ <->\string\adobecaslon@scaled}
128 \installfont{pacsc8t}{pacso8r,newlatin}{t1c}{T1}{pac}{sb}{scit}{ <->\string\adobecaslon@scaled}
129 \installfont{pacs8t}{pacs8r,newlatin}{t1}{T1}{pac}{sb}{it}{ <->\string\adobecaslon@scaled}
130 \installfont{pacb8t}{pacb8r,newlatin}{t1}{T1}{pac}{b}{n}{ <->\string\adobecaslon@scaled}
131 \installfont{pacbi8t}{pacbi8r,newlatin}{t1}{T1}{pac}{b}{it}{ <->\string\adobecaslon@scaled}

```

Then TS1:

```

132 \installfont{pacr8c}{pacr8r,textcomp}{ts1}{TS1}{pac}{m}{n}{ <->\string\adobecaslon@scaled}
133 \installfont{pacri8c}{pacri8r,textcomp}{ts1}{TS1}{pac}{m}{it}{ <->\string\adobecaslon@scaled}
134 \installfont{pacs8c}{pacs8r,textcomp}{ts1}{TS1}{pac}{sb}{n}{ <->\string\adobecaslon@scaled}
135 \installfont{pacs8c}{pacs8r,textcomp}{ts1}{TS1}{pac}{sb}{it}{ <->\string\adobecaslon@scaled}
136 \installfont{pacb8c}{pacb8r,textcomp}{ts1}{TS1}{pac}{b}{n}{ <->\string\adobecaslon@scaled}
137 \installfont{pacbi8c}{pacbi8r,textcomp}{ts1}{TS1}{pac}{b}{it}{ <->\string\adobecaslon@scaled}

```

And OT1:

```

138 \installfont{pacr7t}{pacr8r,newlatin}{ot1}{OT1}{pac}{m}{n}{ <->\string\adobecaslon@scaled}
139 \installfont{pacro7t}{pacro8r,newlatin}{ot1}{OT1}{pac}{m}{sl}{ <->\string\adobecaslon@scaled}
140 \installfont{pacrc7t}{pacrc8r,newlatin}{ot1c}{OT1}{pac}{m}{sc}{ <->\string\adobecaslon@scaled}
141 \installfont{pacrc7t}{pacro8r,newlatin}{ot1c}{OT1}{pac}{m}{scit}{ <->\string\adobecaslon@scaled}
142 \installfont{pacri7t}{pacri8r,newlatin}{ot1}{OT1}{pac}{m}{it}{ <->\string\adobecaslon@scaled}
143 \installfont{pacs7t}{pacs8r,newlatin}{ot1}{OT1}{pac}{sb}{n}{ <->\string\adobecaslon@scaled}
144 \installfont{pacso7t}{pacso8r,newlatin}{ot1}{OT1}{pac}{sb}{sl}{ <->\string\adobecaslon@scaled}
145 \installfont{pacsc7t}{pacs8r,newlatin}{ot1c}{OT1}{pac}{sb}{sc}{ <->\string\adobecaslon@scaled}
146 \installfont{pacsc7t}{pacso8r,newlatin}{ot1c}{OT1}{pac}{sb}{scit}{ <->\string\adobecaslon@scaled}
147 \installfont{pacs7t}{pacs8r,newlatin}{ot1}{OT1}{pac}{sb}{it}{ <->\string\adobecaslon@scaled}
148 \installfont{pacb7t}{pacb8r,newlatin}{ot1}{OT1}{pac}{b}{n}{ <->\string\adobecaslon@scaled}
149 \installfont{pacbi7t}{pacbi8r,newlatin}{ot1}{OT1}{pac}{b}{it}{ <->\string\adobecaslon@scaled}
150 \endinstallfonts

```

Now the expert and extra ligature fonts, which we make available only in T1 encoding. `i*pac-expert-drv,pac-extraligs-drv`

```

151 \installfonts
152 </pac-expert-drv,pac-extraligs-drv>

```

First, the expert option:

```

153 <*pac-expert-drv>
154 \installfont{pacr9e}{pacr8r,pacr8x,newlatin}{t1}{T1}{pacx}{m}{n}{ <->\string\adobecaslon@scaled}
155 \installfont{pacro9e}{pacro8r,pacro8x,newlatin}{t1}{T1}{pacx}{m}{sl}{ <->\string\adobecaslon@scaled}
156 \installfont{pacrc9e}{pacrc8x,pacr8x,newlatin}{t1}{T1}{pacx}{m}{sc}{ <->\string\adobecaslon@scaled}
157 \installfont{pacrc9e}{pacrc8x,pacro8x,newlatin}{t1}{T1}{pacx}{m}{scit}{ <->\string\adobecaslon@scaled}
158 \installfont{pacri9e}{pacri8r,pacri8x,newlatin}{t1}{T1}{pacx}{m}{it}{ <->\string\adobecaslon@scaled}
159 \installfont{pacs9e}{pacs8r,pacs8x,newlatin}{t1}{T1}{pacx}{sb}{n}{ <->\string\adobecaslon@scaled}
160 \installfont{pacso9e}{pacso8r,pacso8x,newlatin}{t1}{T1}{pacx}{sb}{sl}{ <->\string\adobecaslon@scaled}
161 \installfont{pacsc9e}{pacsc8x,pacs8x,newlatin}{t1}{T1}{pacx}{sb}{sc}{ <->\string\adobecaslon@scaled}
162 \installfont{pacsc9e}{pacsc8x,pacso8x,newlatin}{t1}{T1}{pacx}{sb}{scit}{ <->\string\adobecaslon@scaled}

```

```

163 \installfont{pacs19e}{pacs18r,pacs18x,newlatin}{t1}{T1}{pacx}{sb}{it}{ <->\string\adobecaslon@
164 \installfont{pacb9e}{pacb8r,pacb8x,newlatin}{t1}{T1}{pacx}{b}{n}{ <->\string\adobecaslon@scale
165 \installfont{pacbi9e}{pacbi8r,pacbi8x,newlatin}{t1}{T1}{pacx}{b}{it}{ <->\string\adobecaslon@s
166
167 \installfont{pacr9c}{pacr8r,pacr8x,textcomp}{ts1}{TS1}{pacx}{m}{n}{}
168 \installfont{pacro9c}{pacro8r,pacro8x,textcomp}{ts1}{TS1}{pacx}{m}{sl}{}
169 \installfont{pacri9c}{pacri8r,pacri8x,textcomp}{ts1i}{TS1}{pacx}{m}{it}{}
170 \installfont{pacs9c}{pacs8r,pacs8x,textcomp}{ts1}{TS1}{pacx}{sb}{n}{}
171 \installfont{pacso9c}{pacso8r,pacso8x,textcomp}{ts1}{TS1}{pacx}{sb}{sl}{}
172 \installfont{pacs19c}{pacs18r,pacs18x,textcomp}{ts1i}{TS1}{pacx}{sb}{it}{}
173 \installfont{pacb9c}{pacb8r,pacb8x,textcomp}{ts1}{TS1}{pacx}{b}{n}{}
174 \installfont{pacbi9c}{pacbi8r,pacbi8x,textcomp}{ts1i}{TS1}{pacx}{b}{it}{}
175 % \end{macrocode}
176 %
177 % The \texttt{osf} option:
178 % \begin{macrocode}
179 \installfont{pacr9d}{pacr8r,pacr8x,newlatin}{t1j}{T1}{pacj}{m}{n}{ <->\string\adobecaslon@scal
180 \installfont{pacro9d}{pacro8r,pacro8x,newlatin}{t1j}{T1}{pacj}{m}{sl}{ <->\string\adobecaslon@
181 \installfont{pacrc9d}{pacrc8x,pacr8x,newlatin}{t1j}{T1}{pacj}{m}{sc}{ <->\string\adobecaslon@s
182 \installfont{pacrc9d}{pacrc8x,pacr8x,newlatin}{t1j}{T1}{pacj}{m}{scit}{ <->\string\adobecas
183 \installfont{pacri9d}{pacri8r,pacri8x,newlatin}{t1j}{T1}{pacj}{m}{it}{ <->\string\adobecaslon@
184 \installfont{pacs9d}{pacs8r,pacs8x,newlatin}{t1j}{T1}{pacj}{sb}{n}{ <->\string\adobecaslon@scal
185 \installfont{pacso9d}{pacso8r,pacso8x,newlatin}{t1j}{T1}{pacj}{sb}{sl}{ <->\string\adobecaslon
186 \installfont{pacsc9d}{pacsc8x,pacs8x,newlatin}{t1j}{T1}{pacj}{sb}{sc}{ <->\string\adobecaslon@
187 \installfont{pacsc9d}{pacsc8x,pacs8x,newlatin}{t1j}{T1}{pacj}{sb}{scit}{ <->\string\adobeca
188 \installfont{pacs19d}{pacs18r,pacs18x,newlatin}{t1j}{T1}{pacj}{sb}{it}{ <->\string\adobecaslon
189 \installfont{pacb9d}{pacb8r,pacb8x,newlatin}{t1j}{T1}{pacj}{b}{n}{ <->\string\adobecaslon@scal
190 \installfont{pacbi9d}{pacbi8r,pacbi8x,newlatin}{t1j}{T1}{pacj}{b}{it}{ <->\string\adobecaslon@

The alternate option:
191 \installfont{pacra9d}{pacr8r,pacr7a,pacr8x,newlatina}{t1aj}{T1}{paca}{m}{n}{ <->\string\adobeca
192 \installfont{pacroa9d}{pacro8r,pacro8x,newlatina}{t1aj}{T1}{paca}{m}{sl}{ <->\string\adobecaslon
193 \installfont{pacra9d}{pacrc8x,pacr8x,newlatinasc}{t1aj}{T1}{paca}{m}{sc}{ <->\string\adobecaslon
194 \installfont{pacra9d}{pacrc8x,pacr8x,newlatinasc}{t1aj}{T1}{paca}{m}{scit}{ <->\string\adobecaslon
195 \installfont{pacria9d}{pacri8r,pacri7a,pacri8x,newlatina}{t1aj}{T1}{paca}{m}{it}{ <->\string\adobecaslon
196 \installfont{pacsa9d}{pacs8r,pacs7a,pacs8x,newlatina}{t1aj}{T1}{paca}{sb}{n}{ <->\string\adobecaslon
197 \installfont{pacsoa9d}{pacso8r,pacso8x,newlatina}{t1aj}{T1}{paca}{sb}{sl}{ <->\string\adobecaslon
198 \installfont{pacsca9d}{pacsc8x,pacs8x,newlatinasc}{t1aj}{T1}{paca}{sb}{sc}{ <->\string\adobecaslon
199 \installfont{pacsoa9d}{pacso8x,pacso8x,newlatinasc}{t1aj}{T1}{paca}{sb}{scit}{ <->\string\adobecaslon
200 \installfont{pacsia9d}{pacs18r,pacs17a,pacs18x,newlatina}{t1aj}{T1}{paca}{sb}{it}{ <->\string\adobecaslon
201 \installfont{pacba9d}{pacb8r,pacb7a,pacb8x,newlatina}{t1aj}{T1}{paca}{b}{n}{ <->\string\adobecaslon
202 \installfont{pacbia9d}{pacbi8r,pacbi7a,pacbi8x,newlatina}{t1aj}{T1}{paca}{b}{it}{ <->\string\adobecaslon

The longs option:
203 \installfont{pacraa9d}{pacr8r,pacr7a,pacr8x,newlatinaa}{t1aaj}{T1}{paaa}{m}{n}{ <->\string\adobecaslon
204 \installfont{pacroaa9d}{pacro8r,pacro8x,newlatinaa}{t1aaj}{T1}{paaa}{m}{sl}{ <->\string\adobecaslon
205 \installfont{pacraa9d}{pacrc8x,pacr8x,newlatinaaasc}{t1aaj}{T1}{paaa}{m}{sc}{ <->\string\adobecaslon
206 \installfont{pacraa9d}{pacrc8x,pacr8x,newlatinaaasc}{t1aaj}{T1}{paaa}{m}{scit}{ <->\string\adobecaslon
207 \installfont{pacraa9d}{pacri8r,pacri7a,pacri8x,newlatinaa}{t1aaj}{T1}{paaa}{m}{it}{ <->\string\adobecaslon
208 \installfont{pacsaa9d}{pacs8r,pacs7a,pacs8x,newlatinaa}{t1aaj}{T1}{paaa}{sb}{n}{ <->\string\adobecaslon
209 \installfont{pacsoaa9d}{pacso8r,pacso8x,newlatinaa}{t1aaj}{T1}{paaa}{sb}{sl}{ <->\string\adobecaslon

```

```

210 \installfont{pacsc8x,pacs8x,newlatinaasc}{t1aa8j}{T1}{pcaa8}{sb}{sc}{ <->\string\adol
211 \installfont{pacso8x,pacso8x,newlatinaasc}{t1aa8j}{T1}{pcaa8}{sb}{scit}{ <->\string\adol
212 \installfont{pacsi8r,pacsi7a,pacsi8x,newlatinaasc}{t1aa8j}{T1}{pcaa8}{b}{n}{ <->\string\adol
213 \installfont{pacb8r,pacb7a,pacb8x,newlatinaasc}{t1aa8j}{T1}{pcaa8}{b}{n}{ <->\string\adol
214 \installfont{pacbi8r,pacbi7a,pacbi8x,newlatinaasc}{t1aa8j}{T1}{pcaa8}{b}{it}{ <->\string\adol

```

The c18th option:

```

215 \installfont{pacraa89d}{pacr8r,pacr7a,pacr8x,newlatinaa8}{t1aa8j}{T1}{pcaa8}{m}{n}{ <->\string\adol
216 \installfont{pacroa89d}{pacro8r,pacro8x,newlatinaa8}{t1aa8j}{T1}{pcaa8}{m}{sl}{ <->\string\adol
217 \installfont{pacrc8x,pacr8x,newlatinaa8sc}{t1aa8j}{T1}{pcaa8}{m}{sc}{ <->\string\adol
218 \installfont{pacroa89d}{pacro8r,pacro8x,newlatinaa8sc}{t1aa8j}{T1}{pcaa8}{m}{scit}{ <->\string\adol
219 \installfont{pacriaa89d}{pacri8r,pacri7a,pacri8x,newlatinaa8}{t1aa8j}{T1}{pcaa8}{m}{it}{ <->\string\adol
220 \installfont{pacsa89d}{pacs8r,pacs7a,pacs8x,newlatinaa8}{t1aa8j}{T1}{pcaa8}{sb}{n}{ <->\string\adol
221 \installfont{pacsoa89d}{pacso8r,pacso8x,newlatinaa8}{t1aa8j}{T1}{pcaa8}{sb}{sl}{ <->\string\adol
222 \installfont{pacsc8x,pacs8x,newlatinaa8sc}{t1aa8j}{T1}{pcaa8}{sb}{sc}{ <->\string\adol
223 \installfont{pacsoa89d}{pacso8r,pacso8x,newlatinaa8sc}{t1aa8j}{T1}{pcaa8}{sb}{scit}{ <->\string\adol
224 \installfont{pacsiaa89d}{pacsi8r,pacsi7a,pacsi8x,newlatinaa8}{t1aa8j}{T1}{pcaa8}{sb}{it}{ <->\string\adol
225 \installfont{pacbaa89d}{pacb8r,pacb7a,pacb8x,newlatinaa8}{t1aa8j}{T1}{pcaa8}{b}{n}{ <->\string\adol
226 \installfont{pacbiaa89d}{pacbi8r,pacbi7a,pacbi8x,newlatinaa8}{t1aa8j}{T1}{pcaa8}{b}{it}{ <->\string\adol
227 </pac-expert-drv>

```

Now the extra ligature fonts. First, the longs with extraligs option (see Section 2.1):

```

228 (*pac-extraligs-drv)
229 \installfont{pacraae9d}{pacr8r,pacr7a,pacr7ae,pacr8x,newlatinaae}{t1aa8je}{T1}{pcaa8e}{m}{n}{ <->\string\adol
230 \installfont{pacroae9d}{pacro8r,pacro8x,newlatinaae}{t1aa8je}{T1}{pcaa8e}{m}{sl}{ <->\string\adol
231 \installfont{pacrc8x,pacr8x,newlatinaaesc}{t1aa8je}{T1}{pcaa8e}{m}{sc}{ <->\string\adol
232 \installfont{pacroa89d}{pacro8r,pacro8x,newlatinaaesc}{t1aa8je}{T1}{pcaa8e}{m}{scit}{ <->\string\adol
233 \installfont{pacriae9d}{pacri8r,pacri7a,pacri7ae,pacri8x,newlatinaae}{t1aa8je}{T1}{pcaa8e}{m}{it}{ <->\string\adol
234 \installfont{pacsa89d}{pacs8r,pacs7a,pacs7ae,pacs8x,newlatinaae}{t1aa8je}{T1}{pcaa8e}{sb}{n}{ <->\string\adol
235 \installfont{pacsoa89d}{pacso8r,pacso8x,newlatinaae}{t1aa8je}{T1}{pcaa8e}{sb}{sl}{ <->\string\adol
236 \installfont{pacsc8x,pacs8x,newlatinaaesc}{t1aa8je}{T1}{pcaa8e}{sb}{sc}{ <->\string\adol
237 \installfont{pacsoa89d}{pacso8r,pacso8x,newlatinaaesc}{t1aa8je}{T1}{pcaa8e}{sb}{scit}{ <->\string\adol
238 \installfont{pacsiae9d}{pacsi8r,pacsi7a,pacsi7ae,pacsi8x,newlatinaae}{t1aa8je}{T1}{pcaa8e}{sb}{it}{ <->\string\adol
239 \installfont{pacbae9d}{pacb8r,pacb7a,pacb7ae,pacb8x,newlatinaae}{t1aa8je}{T1}{pcaa8e}{b}{n}{ <->\string\adol
240 \installfont{pacbiae9d}{pacbi8r,pacbi7a,pacbi7ae,pacbi8x,newlatinaae}{t1aa8je}{T1}{pcaa8e}{b}{it}{ <->\string\adol

```

Then the c18th with extraligs option:

```

241 \installfont{pacraa8e9d}{pacr8r,pacr7a,pacr7ae,pacr8x,newlatinaa8e}{t1aa8je}{T1}{pcaa8e}{m}{n}{ <->\string\adol
242 \installfont{pacroa8e9d}{pacro8r,pacro8x,newlatinaa8e}{t1aa8je}{T1}{pcaa8e}{m}{sl}{ <->\string\adol
243 \installfont{pacrc8x,pacr8x,newlatinaa8esc}{t1aa8je}{T1}{pcaa8e}{m}{sc}{ <->\string\adol
244 \installfont{pacroa8e9d}{pacro8r,pacro8x,newlatinaa8esc}{t1aa8je}{T1}{pcaa8e}{m}{scit}{ <->\string\adol
245 \installfont{pacriaa8e9d}{pacri8r,pacri7a,pacri7ae,pacri8x,newlatinaa8e}{t1aa8je}{T1}{pcaa8e}{m}{it}{ <->\string\adol
246 \installfont{pacsa8e9d}{pacs8r,pacs7a,pacs7ae,pacs8x,newlatinaa8e}{t1aa8je}{T1}{pcaa8e}{sb}{n}{ <->\string\adol
247 \installfont{pacsoa8e9d}{pacso8r,pacso8x,newlatinaa8e}{t1aa8je}{T1}{pcaa8e}{sb}{sl}{ <->\string\adol
248 \installfont{pacsc8x,pacs8x,newlatinaa8esc}{t1aa8je}{T1}{pcaa8e}{sb}{sc}{ <->\string\adol
249 \installfont{pacsoa8e9d}{pacso8r,pacso8x,newlatinaa8esc}{t1aa8je}{T1}{pcaa8e}{sb}{scit}{ <->\string\adol
250 \installfont{pacsiaa8e9d}{pacsi8r,pacsi7a,pacsi7ae,pacsi8x,newlatinaa8e}{t1aa8je}{T1}{pcaa8e}{sb}{it}{ <->\string\adol
251 \installfont{pacbaa8e9d}{pacb8r,pacb7a,pacb7ae,pacb8x,newlatinaa8e}{t1aa8je}{T1}{pcaa8e}{b}{n}{ <->\string\adol
252 \installfont{pacbiaa8e9d}{pacbi8r,pacbi7a,pacbi7ae,pacbi8x,newlatinaa8e}{t1aa8je}{T1}{pcaa8e}{b}{it}{ <->\string\adol
253 </pac-extraligs-drv>

```

End the fonts installation: `!pac-expert-drv,pac-extraligs-drv`

```

254 \endinstallfonts
i/pac-expert-drv,pac-extraligs-drv End the driver:
255 \endrecordtransforms
256 \bye
257 </pac-drv, pac-expert-drv, pac-extraligs-drv>

```

4.3 Fontmap Generation

This is a standard procedure [1]

```

258 <*pac-map>
259 \input finstmsc.sty
260 \resetstr{PSfontsuffix}{.pfb}
261 \adddriver{dvips}{pac.map}
262 \input pac-rec.tex
263 \donedrivers
264 \bye
265 </pac-map>

```

4.4 Metrics

Old-style ligatures on modern letters.

```

266 <*newlatina>
267 \relax
268 \metrics
269
270 \inputmtx{newlatin}
271 \inputmtx{oldstyle-kerning}
272
273 \unfakable{st}
274 \unfakable{ct}
275
276 \endmetrics
277 </newlatina>

```

Old-style ligatures with small caps.

```

278 <*newlatinasc>
279 \relax
280 \metrics
281
282 \inputmtx{newlatin}
283 \inputmtx{oldstyle-kerning}
284
285 \setglyph{st}
286 \glyph{s}{1000}
287 \glyph{t}{1000}
288 \endsetglyph
289 \setglyph{ct}

```

```

290 \glyph{c}{1000}
291 \glyph{t}{1000}
292 \endsetglyph
293
294 \endmetrics
295 </newlatinasc>

```

The ‘long s’ variant.

```

296 (*newlatinaa)
297 \relax
298 \metrics
299
300 \inputmtx{newlatina}
301 \inputmtx{longs-kerning}
302
303 \unfakable{longs}
304 \unfakable{longsh}
305 \unfakable{longsi}
306 \unfakable{longsl}
307 \unfakable{longst}
308 \unfakable{longdbls}
309
310 \endmetrics
311 </newlatinaa>

```

The ‘long s’ variant for small caps.

```

312 (*newlatinaasc)
313 \relax
314 \metrics
315
316 \inputmtx{newlatinasc}
317 \inputmtx{longs-kerning}
318
319 \setglyph{longs}
320 \glyph{s}{1000}
321 \endsetglyph
322 \setglyph{longsh}
323 \glyph{s}{1000}
324 \glyph{h}{1000}
325 \endsetglyph
326 \setglyph{longsi}
327 \glyph{s}{1000}
328 \glyph{i}{1000}
329 \endsetglyph
330 \setglyph{longsl}
331 \glyph{s}{1000}
332 \glyph{l}{1000}
333 \endsetglyph
334 \setglyph{longst}
335 \glyph{s}{1000}

```

```

336 \glyph{t}{1000}
337 \endsetglyph
338 \setglyph{longdbls}
339 \glyph{s}{1000}
340 \glyph{s}{1000}
341 \endsetglyph
342
343 \endmetrics
344 </newlatinaasc)

```

The ‘long s’ variant with extra ligatures.

```

345 <*newlatinaae)
346 \relax
347 \metrics
348
349 \inputmtx{newlatinaa}
350 \inputmtx{longdbls-kerning}
351
352 \unfakable{longdblsi}
353 \unfakable{longdbls1}
354
355 \endmetrics
356 </newlatinaae)

```

The ‘long s’ variant with extra ligatures for small caps.

```

357 <*newlatinaaesc)
358 \relax
359 \metrics
360
361 \inputmtx{newlatinaasc}
362 \inputmtx{longdbls-kerning}
363
364 \setglyph{longdblsi}
365 \glyph{s}{1000}
366 \glyph{s}{1000}
367 \glyph{i}{1000}
368 \endsetglyph
369 \setglyph{longdbls1}
370 \glyph{s}{1000}
371 \glyph{s}{1000}
372 \glyph{1}{1000}
373 \endsetglyph
374
375 \endmetrics
376 </newlatinaaesc)

```

The 18th century variant.

```

377 <*newlatinaa8)
378 \relax
379 \metrics

```



```

380
381 \inputmtx{newlatinaa}
382 \inputmtx{longss-kerning}
383 \inputmtx{longss-glyph}
384
385 \endmetrics
386 </newlatinaa8>
    The 18th century variant for small caps.
387 <*newlatinaa8sc>
388 \relax
389 \metrics
390
391 \inputmtx{newlatinaasc}
392 \inputmtx{longss-kerning}
393 \inputmtx{longss-glyph-sc}
394
395 \endmetrics
396 </newlatinaa8sc>
    The 18th century variant with extra ligatures.
397 <*newlatinaa8e>
398 \relax
399 \metrics
400
401 \inputmtx{newlatinaae}
402 \inputmtx{longss-kerning}
403 \inputmtx{longss-glyph}
404
405 \endmetrics
406 </newlatinaa8e>
    The 18th century variant with extra ligatures for small caps.
407 <*newlatinaa8esc>
408 \relax
409 \metrics
410
411 \inputmtx{newlatinaaesc}
412 \inputmtx{longss-kerning}
413 \inputmtx{longss-glyph-sc}
414
415 \endmetrics
416 </newlatinaa8esc>
    A fragment for kerning old-style ligatures.
417 <*oldstyle-kerning>
418 \setleftkerning{st}{s}{1000}
419 \setleftkerning{ct}{c}{1000}
420 \setrightkerning{st}{t}{1000}
421 \setrightkerning{ct}{t}{1000}
422 </oldstyle-kerning>

```

A fragment for kerning ‘long s’ ligatures.

```
423 (*longs-kerning)
424 \setleftkerning{longsh}{longs}{1000}
425 \setrightkerning{longsh}{h}{1000}
426 \setleftkerning{longsi}{longs}{1000}
427 \setrightkerning{longsi}{i}{1000}
428 \setleftkerning{longsl}{longs}{1000}
429 \setrightkerning{longsl}{l}{1000}
430 \setleftkerning{longst}{longs}{1000}
431 \setrightkerning{longst}{t}{1000}
432 \setlefttrighthkerning{longdbls}{longs}{1000}
433 </longs-kerning>
```

A fragment for kerning ‘double long s’ ligatures.

```
434 (*longdbls-kerning)
435 \setleftkerning{longdblsi}{longs}{1000}
436 \setrightkerning{longdblsi}{i}{1000}
437 \setleftkerning{longdbls1}{longs}{1000}
438 \setrightkerning{longdbls1}{l}{1000}
439 </longdbls-kerning>
```

A fragment for kerning long ‘s’ followed by ‘s’.

```
440 (*longss-kerning)
441 \setleftkerning{longss}{longs}{1000}
442 \setrightkerning{longss}{s}{1000}
443 </longss-kerning>
```

A fragment for a long ‘s’ followed by ‘s’ glyph.

```
444 (*longss-glyph)
445 \setglyph{longss}
446 \glyph{longs}{1000}
447 \glyph{s}{1000}
448 \endsetglyph
449 </longss-glyph>
```

A fragment for a long ‘s’ followed by ‘s’ glyph for small caps.

```
450 (*longss-glyph-sc)
451 \setglyph{longss}
452 \glyph{s}{1000}
453 \glyph{s}{1000}
454 \endsetglyph
455 </longss-glyph-sc>
```

4.5 Encodings

The variant for old-style figures:

```
456 (*t1aj)
457 \relax
458 \encoding
```

```

459
460 %% Define the parameters to produce a font with old-style figures
461 \setcommand\digit#1{#1oldstyle}
462
463 \inputetx{t1a}
464
465 \endencoding
466 </t1aj>

    The ‘long s’ variant with old-style figures.

467 <*t1aaj>
468 \relax
469 \encoding
470
471 %% Define the parameters to produce a font with old-style figures
472 \setcommand\digit#1{#1oldstyle}
473
474 \inputetx{t1aa}
475
476 \endencoding
477 </t1aaj>

    The eighteenth-century variant with old-style figures.

478 <*t1aa8j>
479 \relax
480 \encoding
481
482 %% Define the parameters to produce a font with old-style figures
483 \setcommand\digit#1{#1oldstyle}
484
485 \inputetx{t1aa8}
486
487 \endencoding
488 </t1aa8j>

    The ‘long s’ variant with old-style figures and extra ligatures.

489 <*t1aaje>
490 \relax
491 \encoding
492
493 %% Define the parameters to produce a font with old-style figures
494 \setcommand\digit#1{#1oldstyle}
495
496 \inputetx{t1aae}
497
498 \endencoding
499 </t1aaje>

    The eighteenth-century variant with old-style figures and extra ligatures.

500 <*t1aa8je>

```

```

501 \relax
502 \encoding
503
504 %% Define the parameters to produce a font with old-style figures
505 \setcommand\digit#1{#1oldstyle}
506
507 \inputetx{t1aa8e}
508
509 \endencoding
510 </t1aa8je>

```

4.6 Font definitions

We define the ornament and swash font encodings directly, in files from Ulrik Vieth's pacaslon package.

4.7 Style File

Declare the package options:

```

511 <*style>
512 \RequirePackage{kvoptions}
513 \RequirePackage{ifthen}
514 \def\adobecaslonf@ntsuffix{}
515 \DeclareVoidOption{expert}{\def\adobecaslonf@ntsuffix{x}}
516 \DeclareVoidOption{osf}{\def\adobecaslonf@ntsuffix{j}}
517 \DeclareVoidOption{swashit}{\def\adobecaslonf@ntsuffix{w}}
518 \DeclareVoidOption{alternate}{\def\adobecaslonf@ntsuffix{a}}
519 \newif\ifadobecaslon@longs\adobecaslon@longsfalse
520 \DeclareVoidOption{longs}{\def\adobecaslonf@ntsuffix{aa}\adobecaslon@longstrue}
521 \newif\ifadobecaslon@eighteenth\adobecaslon@eighteenthfalse
522 \DeclareVoidOption{c18th}{\def\adobecaslonf@ntsuffix{aa8}\adobecaslon@eighteenthtrue}
523 \DeclareVoidOption{swashlongs}{\def\adobecaslonf@ntsuffix{aaw}}
524 \DeclareBoolOption[false]{extraligs}
525 \DeclareBoolOption[true]{rmdefault}
526 \DeclareComplementaryOption[normdefault]{rmdefault}
527 \DeclareStringOption[1.00]{scaled}
528 \DeclareBoolOption{bold}
529 \DeclareComplementaryOption{semibold}{bold}
530 \ProcessKeyvalOptions*
531 \def\adobecaslonf@ntextraligs{}
532 \ifadobecaslon@extraligs
533   \def\adobecaslonf@ntextraligs{e}
534   \ifthenelse{&(\boolean{adobecaslon@longs}\OR\boolean{adobecaslon@eighteenth})}{%
535     \edef\adobecaslonf@ntsuffix{\adobecaslonf@ntsuffix e}}{}
536 \fi
537 \ifadobecaslon@rmdefault
538   \renewcommand{\rmdefault}{pac\adobecaslonf@ntsuffix}
539   \ifadobecaslon@bold\else
540     \def\bfdefault{sb}

```

```

541 \fi
542 \fi
    Some new commands:
543 \DeclareRobustCommand\adobecaslونfamily{\fontfamily{pac}\selectfont}
544 \DeclareTextFontCommand{\textadobecaslون}{\adobecaslونfamily}
545 \DeclareRobustCommand\sbseries{\fontseries{sb}\selectfont}
546 \DeclareTextFontCommand{\textsb}{\sbseries}
547 \DeclareRobustCommand\adobecaslونexpert{\fontfamily{pacx}\selectfont}
548 \DeclareRobustCommand\adobecaslونosf{\fontfamily{pacj}\selectfont}
549 \DeclareRobustCommand\adobecaslونalternate{\fontfamily{paca}\selectfont}
550 \DeclareRobustCommand\adobecaslونlongs{\fontfamily{paca}\adobecaslونf@ntextraligs}\selectfont}
551 \DeclareRobustCommand\adobecaslونeighteenth{\fontfamily{paca}\adobecaslونf@ntextraligs}\selectfont}
552 \DeclareRobustCommand\adobecaslونswashit{\usefont{T1}{pacw}{\f@series}{it}}
553 \DeclareRobustCommand\adobecaslونswashcaps{\usefont{U}{pac}{\f@series}{iw}}
554 \DeclareRobustCommand\adobecaslونornaments{\usefont{U}{pac}{m}{n}}
555 \end{style}

```

4.8 Example output

A file with slight variants for core and expert fonts:

```

556 (*pac-sample, pac-sample-expert, pac-sample-extraligs)
557 \documentclass{article}
558
559 \usepackage[T1]{fontenc}
560 \usepackage{ifpdf}
561 \ifpdf
562   \pdfmapfile{+pac.map}
563   \usepackage{microtype}
564 \fi
565 (pac-sample)\usepackage[bold]{adobecaslون}
566 (pac-sample-expert)\usepackage[expert,bold]{adobecaslون}
567 (pac-sample-extraligs)\usepackage[extraligs,expert,bold]{adobecaslون}
568 \usepackage{textcomp}
569 \usepackage{lipsun}
570 \usepackage{slantsc}
571
572 (pac-sample)\newcommand{\sampletext}{0123456789. fi, ffi, \textsc{small caps}.}
573 (pac-sample-expert, pac-sample-extraligs)\newcommand{\sampletext}{0123456789 {\adobecaslونosf 0123456789}
574
575 \begin{document}
576
577 Adobe Caslon Regular: \sampletext
578
579 {\itshape Adobe Caslon Italic: \sampletext}
580
581 {\sbseries Adobe Caslon Semibold: \sampletext}
582
583 \itshape Adobe Caslon Semibold Italic: \sampletext}
584

```

```

585
586 {\bfseries Adobe Caslon Bold: \sampletext
587
588 \itshape Adobe Caslon Bold Italic: \sampletext}
589
590
591 Package \textsf{textcomp} allows us to typeset currencies: \texteuro25.00,
592 \pounds4.5, \textdollar6, \textyen4.
593
594 </pac-sample, pac-sample-expert, pac-sample-extraligs>
595 < *pac-sample-expert, pac-sample-extraligs>
596 {\adobecaslonlongs Some words with long ‘s’: dress splice slice strife finesse sift shine sess
597
598 A long line with splits-seen and a word to be hyphenated and should long: shes\-ellsseashells.
599
600 A long line with splits-seen and a word to be hyphenated and should long: shes\noboundary\-ell
601
602 {\adobecaslonswashit Some swash italics.}
603
604 Swash caps: {\adobecaslonswashcaps SQT}.
605
606 Ornaments: {\adobecaslonornaments 123ABCabc}.
607
608 18th-century mode: {\adobecasloneighteenth dress, kasbah, shake, sforza, fsork, ska}.
609
610 </pac-sample-expert, pac-sample-extraligs>
611 < *pac-sample, pac-sample-expert, pac-sample-extraligs>
612 \lipsum[1]
613
614 \end{document}
615 </pac-sample, pac-sample-expert, pac-sample-extraligs>

```

References

- [1] Philipp Lehman. *The Font Installation Guide*, December 2004. <http://mirrors.ctan.org/info/Typelinks/fontinstallationguide>.