

# kuthesis.dtx<sup>\*</sup>

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## Abstract

Kuthesis.dtx is a style file for the Kettering University Thesis Format for L<sup>A</sup>T<sub>E</sub>X. It is designed to cover most needs that Kettering thesis students have.

## Preface

**Usage of other styles.** You will find traces of other style files sucked in wholesale by this file. This is not to offend the original owners of those files; I figure that a student adventurous enough to try this file out ought to have all the help they can get. The most flagrant use of this is in the endnote section. Due to the multitude of available files for to do it, I have not added APA-style citing.

**Special note.** This style does not attempt to provide APA-style citing. There are a number of packages out there, of which the most comprehensive is apacite (which has both a L<sup>A</sup>T<sub>E</sub>X style and a B<sup>I</sup>B<sub>T</sub><sub>E</sub>X style). However, you'll have to `\renewcommand` the keyword `\bibname`, because they define it to have lowercase and use `addcontentsline` to get around any provisions I may make.

**Arthur's thanks.** There are three people I wish to thank for help on creating this file. First, Professor Mark Wicks of Kettering University, who answered a good number of my headscratchers. Second, Professor James McDonald of Kettering University, who encouraged me to use L<sup>A</sup>T<sub>E</sub>X to create my thesis. Finally, my fiancé, Stephanie Rybicki, who was kind enough to give me the kick I needed to get this file documented. It is still somewhat of a crawling horror, though.

**Alison's thanks.** I'd like to thank Mark Wicks for digging up Arthur's work over a decade after the fact, and Arthur for not thinking it creepy that I contacted him out of the blue regarding this project, and for permitting me to host it on Github and update it for the current thesis specifications.

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<sup>\*</sup>This file has version v0.5 last revised 2015/04/15

# 1 Getting Started

## 1.1 Requirements

This style file requires the `setspace`, `times`, `helvet`, `ifthen`, and `calc` packages. With the possible exception of `setspace`, all of these should be in your  $\text{\TeX}$  distribution.

## 1.2 Installation

1. Make sure the files are in your current working directory and run `kuthesis.ins` through  $\text{\TeX}$ .
2. Move the generated files to someplace you'd like them to be. I'm sure there's an official spot.
3. If your  $\text{\TeX}$  implementation uses a filename database, update it.

## 1.3 Usage

The use of this file is actually fairly simple, as it acts almost exactly like the report style. Just add the following to your file:

```
\documentclass[12pt]{kuthesis}      % Specifies the document class
```

Of course, in order to completely make a file fit the Kettering Thesis manual, there is more to do than that. First off, in addition to `\title{}` and `\author{}`, you are to define other things. To start with, you must define your department with `\department{Computer Engineering}`. Then, define your employer with `\employer{MAXIMUM WIDGETS}`. Finally, define your graduation year with `\gdate{2015}`. This way, when you use `\maketitle`, not only will your title page be generated but your disclaimer page will be generated as well.

Next, enclose your preface in the preface environment with `\begin{preface}` and `\end{preface}`.

In order to produce the table of contents, list of illustrations, and list of tables, you'll need to do the following.

```
\singlespacing
\tableofcontents\
\listofillustrations
```

Finally, when it is time to begin the body of your thesis, use `\begincontent`. Enter chapters as you would for a report. Note that footnotes are not permitted; use `\endnote` with a `\theendnotes` at the end of each chapter.

Creating a glossary will require you to `\setcounter{secnumdepth}{-1}` before the glossary and `\setcounter{secnumdepth}{0}` afterwards. Declare appendices with `\appendix` before chapter names, but note that a single appendix will have to be done by hand.

## 1.4 Using apacite with kuthesis.cls

Just use the following code, and do citations as normal. Naturally, don't forget to use the apacite package in your preamble.

```
\begin{singlespace}
\bibliographystyle{apacite}
\bibliography{thesis}
\end{singlespace}
```

## 2 Source Code Examination and Discussion

This source code is based heavily on the report style source code. Therefore, I will focus more on commenting on changes and interesting properties.

```
1 \NeedsTeXFormat{LaTeX2e}[1995/12/01]
2 \ProvidesClass{kuthesis}[2015/04/15 Kettering University Thesis class definition]
```

We must double space almost everything and put it in 12 pt Times New Roman. In certain cases, Helvetica may be needed. Since we will still occasionally need to single space things, we simply use the `setspace` package.

```
3 \RequirePackage{setspace}
4 \RequirePackage{times}
5 \RequirePackage{helvet}
6 \RequirePackage{ifthen}
7 \RequirePackage{calc}
8 \RequirePackage{etoolbox}
```

There are spots in this file where options remain that aren't useful. Paper sizes are one of these things. One of these days perhaps someone will rip it out, but I'm not too willing to risk yet another style change.

```
9 \newcommand\@ptsize{}
10 \newif\if@restonecol
11 \newif\if@titlepage
12 \@titlepagetrue
13 \newif\if@openright
14 \if@compatibility\else
15 \DeclareOption{a4paper}
16   {\setlength\paperheight {297mm}%
17    \setlength\paperwidth  {210mm}}
18 \DeclareOption{a5paper}
19   {\setlength\paperheight {210mm}%
20    \setlength\paperwidth  {148mm}}
21 \DeclareOption{b5paper}
22   {\setlength\paperheight {250mm}%
23    \setlength\paperwidth  {176mm}}
24 \DeclareOption{letterpaper}
25   {\setlength\paperheight {11in}%
26    \setlength\paperwidth  {8.5in}}
```

```

27 \DeclareOption{legalpaper}
28   {\setlength\paperheight {14in}%
29    \setlength\paperwidth  {8.5in}}
30 \DeclareOption{executivepaper}
31   {\setlength\paperheight {10.5in}%
32    \setlength\paperwidth  {7.25in}}
33 \DeclareOption{landscape}
34   {\setlength\@tempdima   {\paperheight}%
35    \setlength\paperheight {\paperwidth}%
36    \setlength\paperwidth  {\@tempdima}}
37 \fi
38 \if@compatibility
39   \renewcommand\@ptsize{0}
40 \else
41   \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
42 \fi
43 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
44 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
45 \if@compatibility\else
46   \DeclareOption{oneside}{\@twosidefalse \@mparswitchfalse}
47 \fi
48 \DeclareOption{twoside}{\@twosidetrue \@mparswitchtrue}
49 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
50 \if@compatibility\else
51   \DeclareOption{final}{\setlength\overfullrule{0pt}}
52 \fi
53 \DeclareOption{titlepage}{\@titlepagetrue}
54 \if@compatibility\else
55   \DeclareOption{notitlepage}{\@titlepagefalse}
56 \fi
57 \if@compatibility
58 \else
59   \DeclareOption{openright}{\@openrighttrue}
60   \DeclareOption{openany}{\@openrightfalse}
61 \fi
62 \if@compatibility\else
63   \DeclareOption{onecolumn}{\@twocolumnfalse}
64 \fi
65 \DeclareOption{twocolumn}{\@twocolumntrue}
66 \DeclareOption{leqno}{\input{leqno.clo}}
67 \DeclareOption{fleqn}{\input{fleqn.clo}}
68 \DeclareOption{openbib}{\%
69   \AtEndOfPackage{\%
70     \renewcommand\@openbib@code{\%
71       \advance\leftmargin\bibindent
72       \itemindent -\bibindent
73       \listparindent \itemindent
74       \parsep \z@
75       }%
76   \renewcommand\newblock{\par}}}%

```

77 }

The following options are what you get if you do not specify any options in the class definition. It is designed to produce a thesis the way the university wants to see it.

```
78 \ExecuteOptions{letterpaper,12pt,oneside,onecolumn,final,openany}
79 \ProcessOptions
80 \input{size1\@ptsize.clo}
```

To produce output with the desired line spacing, the argument of `\spacing` should be multiplied by  $5/6 = 0.8333$ , so that  $1\frac{1}{2}$  spacing corresponds to `\spacing{1.5}` and double spaced is `\spacing{1.66}`.

```
81 \def\normalspacing{1.25} % default line spacing
82 \setlength\lineskip{1\p@}
83 \setlength\normallineskip{1\p@}
84 \renewcommand\baselinestretch{}
85 \setlength\parskip{0\p@ \@plus \p@}
86 \@lowpenalty 51
87 \@medpenalty 151
88 \@highpenalty 301
89 \setcounter{topnumber}{2}
90 \renewcommand\topfraction{.7}
91 \setcounter{bottomnumber}{1}
92 \renewcommand\bottomfraction{.3}
93 \setcounter{totalnumber}{3}
94 \renewcommand\textfraction{.2}
95 \renewcommand\floatpagefraction{.5}
96 \setcounter{dbltopnumber}{2}
97 \renewcommand\dbltopfraction{.7}
98 \renewcommand\dblfloatpagefraction{.5}
99 \if@twoside
100 \def\ps@headings{%
101     \let\@oddfoot\@empty\let\@evenfoot\@empty
102     \def\@evenhead{\thepage\hfil\slshape\leftmark}%
103     \def\@oddhead{\slshape\rightmark\hfil\thepage}%
104     \let\@mkboth\markboth
105     \def\chaptermark##1{%
106         \markboth {\MakeUppercase{
107             \ifnum \c@secnumdepth >\m@ne
108                 \@chapapp\ \thechapter. \ %
109             \fi
110             ##1}}{}}%
111     \def\sectionmark##1{%
112         \markright {\MakeUppercase{
113             \ifnum \c@secnumdepth >\z@
114                 \thesection. \ %
115             \fi
116             ##1}}}%
117 \else
118 \def\ps@headings{%
```

```

119 \let\@oddfoot\@empty
120 \def\@oddhead{\slshape\rightmark\hfil\thepage}%
121 \let\@mkboth\markboth
122 \def\chaptermark##1{%
123     \markright {\MakeUppercase{%
124         \ifnum \c@secnumdepth >\m@ne
125             \@chapapp\ \thechapter. \ %
126         \fi
127         ##1}}}}
128 \fi
129 \def\ps@myheadings{%
130     \let\@oddfoot\@empty\let\@evenfoot\@empty
131     \def\@evenhead{\thepage\hfil\slshape\leftmark}%
132     \def\@oddhead{\slshape\rightmark\hfil\thepage}%
133     \let\@mkboth\@gobbletwo
134     \let\chaptermark\@gobble
135     \let\sectionmark\@gobble
136 }

```

Items required for the title page.

```

137 \newcommand{\employer}[1]{\ifx\empty#1\else\gdef\@employer{#1}\fi}
138 \newcommand{\department}[1]{\ifx\empty#1\else\gdef\@department{#1}\fi}
139 \newcommand{\departmentdual}[1]{\ifx\empty#1\else\gdef\@departmentdual{#1}\fi}
140 \renewcommand{\author}[1]{\ifx\empty#1\else\gdef\@author{#1}\fi}
141 \renewcommand{\title}[1]{\ifx\empty#1\else\gdef\@title{#1}\fi}
142 \newcommand{\gdate}[1]{\ifx\empty#1\else\gdef\@gdate{#1}\fi}
143
144 \global\def\@employer{\mbox{}}
145 \global\def\@degree{\mbox{}}
146 \global\def\@author{\mbox{}}
147 \global\def\@title{\mbox{}}
148 \global\def\@gdate{\number\date} % Default date is current date

```

Here `\maketitle` is changed to follow the KU guidelines. It includes its own disclaimer page. The `\maketitle` command takes one argument to specify what type of title page to generate.

```

149 \newcommand{\maketitle}[1][coop]
150 {
151     \begin{titlepage}
152         \setcounter{page}{1}

```

Set the line spacing to 1 for the title page.

```

153     \begin{spacing}{1}
154     \begin{center}
155         \mbox{}
156         \textbf{\MakeUppercase{\@title}}\\
157         \vspace{2em}
158         \ifstrequal{#1}{coop}
159         {A Co-op Thesis written for \\\
160         \vspace{1em}
161         \textbf{\@employer} \\\

```

```

162 {}
163 \ifstrequal{#1}{research}
164 {A Research Thesis written for \\
165 \vspace{1em}
166 \textbf{KETTERING UNIVERSITY} \\}
167 {}
168 \ifstrequal{#1}{pp}
169 {A Professional Practice Thesis written for \\
170 \vspace{1em}
171 \textbf{@employer} \\}
172 {}
173 \ifstrequal{#1}{eship}
174 {An E-Ship Thesis written by \\
175 \vspace{1em}
176 \textbf{\MakeUppercase{@author}} \\}
177 {}
178 \vspace{1em}
179 and submitted to \\
180 \vspace{1em}
181 \textbf{KETTERING UNIVERSITY} \\
182 \vspace{3em}
183 in partial fulfillment \\
184 of the requirements for the \\
185 degree\ifx@departmentdual\undefined\else{s}\fi of \\
186 \vspace{1em}
187 \textbf{BACHELOR OF SCIENCE IN \MakeUppercase{@department}} \\
188 \ifx@departmentdual\undefined\else
189 \vspace{1em}
190 and \\
191 \vspace{1em}
192 \textbf{BACHELOR OF SCIENCE IN \MakeUppercase{@departmentdual}} \\
193 \fi
194 \vspace{3em}
195 \ifstrequal{#1}{eship}
196 {}
197 {by \\
198 \vspace{1em}
199 \textbf{\MakeUppercase{@author}}\\
200 }
201 \vspace{1em}
202 {\@gdate} \\
203 \vfill
204 \end{center}
205
206 \begin{flushright}
207
208
209 \begin{tabular}{@{}l}
210 \hline
211 Student \\

```

```

212  \\\
213  \\\ \hline
214  \ifstrequal{#1}{coop}{Employer Thesis Advisor~~~~~}{0}%
215 \ifstrequal{#1}{research}{Faculty Thesis Advisor~~~~~}{0}%
216 \ifstrequal{#1}{pp}{Company Liaison~~~~~}{0}%
217 \ifstrequal{#1}{eship}{Faculty Thesis Advisor~~~~~}{0} \\\
218  \\\
219  \\\ \hline
220  \ifstrequal{#1}{coop}{Faculty Thesis Advisor}{0}%
221 \ifstrequal{#1}{research}{Committee Member}{0}%
222 \ifstrequal{#1}{pp}{Faculty Thesis Advisor}{0}%
223 \ifstrequal{#1}{eship}{Committee Member}{0} \\\
224  \end{tabular}
225
226
227  \end{flushright}
228  \end{spacing}
229  \end{titlepage}
230  \setcounter{page}{2}
231  \setcounter{secnumdepth}{-1}
232
233  \chapter{DISCLAIMER}
234  \begin{doublespace}
235  \par
236  This thesis is being submitted as partial fulfillment of the
237  graduation requirements of Kettering University needed
238  to obtain
239  \ifx\@departmentdual\undefined
240    a Bachelor of Science in {\@department} degree.
241  \else
242    Bachelor of Science in {\@department} and
243    Bachelor of Science in {\@departmentdual} degrees.
244  \fi
245  \par
246  The conclusions and opinions expressed in this thesis are those
247  of the student author and do not necessarily represent the position
248  of Kettering University or anyone else affiliated with this
249  culminating undergraduate experience.
250  \end{doublespace}
251 }%\maketitle
252
253 \newcommand*\chaptermark[1]{
  Chapters are the only numbered objects, and they use Roman numerals. Roman
  numerals are set below.
254 \setcounter{secnumdepth}{0}
255 \setcounter{secnumdepth}{0}
256 \newcounter {part}
257 \newcounter {chapter}
258 \newcounter {section}[chapter]

```



```

259 \newcounter {subsection}[section]
260 \newcounter {subsubsection}[subsection]
261 \newcounter {paragraph}[subsubsection]
262 \newcounter {subparagraph}[paragraph]
263 \renewcommand \thepart {\@Roman\c@part}
264 \renewcommand \thechapter {\@Roman\c@chapter}
265 \renewcommand \thesection {\thechapter.\@arabic\c@section}
266 \renewcommand \thesubsection {\thesection.\@arabic\c@subsection}
267 \renewcommand \thesubsubsection {\thesubsection .\@arabic\c@subsubsection}
268 \renewcommand \theparagraph {\thesubsubsection.\@arabic\c@paragraph}
269 \renewcommand \thesubparagraph {\theparagraph.\@arabic\c@subparagraph}
270 \newcommand \@chapapp {\chaptername}
271 \newcommand \part {%
272   \if@openright
273     \cleardoublepage
274   \else
275     \clearpage
276   \fi
277   \thispagestyle{plain}%
278   \if@twocolumn
279     \onecolumn
280     \@tempswattrue
281   \else
282     \@tempswafalse
283   \fi
284   \null\vfil
285   \secdef \@part \@spart}
286
287 \def \@part [#1]#2{%
288   \ifnum \c@secnumdepth >-2\relax
289     \refstepcounter{part}%
290     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
291   \else
292     \addcontentsline{toc}{part}{#1}%
293   \fi
294   \markboth{}{}%
295   {\centering
296     \interlinepenalty \@M
297     \normalfont
298     \ifnum \c@secnumdepth >-2\relax
299       \huge\bfseries \partname~\thepart
300       \par
301       \vskip 20\p@
302     \fi
303     \Huge \bfseries #2\par}%
304   \@endpart}
305 \def \@spart#1{%
306   {\centering
307     \interlinepenalty \@M
308     \normalfont

```

```

309     \Huge \bfseries #1\par}%
310     \@endpart}
311 \def\@endpart{\vfil\newpage
312         \if@twoside
313             \null
314             \thispagestyle{empty}%
315             \newpage
316         \fi
317         \if@tempswa
318             \twocolumn
319         \fi}
320 \newcommand\chapter{\if@openright\cleardoublepage\else\clearpage\fi
321     \thispagestyle{plain}%
322     \global\@topnum\z@
323     \@afterindentfalse
324     \secdef\@chapter\@schapter}

```

We put a period after the chapter number in the table of contents. (e.g. I. INTRODUCTION)

```

325 \def\@chapter[#1]#2{\ifnum \c@secnumdepth >\m@ne
326     \refstepcounter{chapter}%
327     \typeout{\@chapapp\space\thechapter.}%
328     \addcontentsline{toc}{chapter}%
329         {\protect\numberline{\thechapter\@.}\MakeUppercase{#1}}%
330     \else
331         \addcontentsline{toc}{chapter}{\MakeUppercase{#1}}%
332     \fi
333     \chaptermark{#1}%
334     \if@twocolumn
335         \topnewpage[\@makechapterhead{#2}]%
336     \else
337         \@makechapterhead{#2}%
338         \@afterheading
339     \fi}

```

We do simplistic Chapter Headers. Note that these fix the table of contents as well.

```

340 \def\@makechapterhead#1{%
341     {\parindent \z@ \centering \normalfont
342         \ifnum \c@secnumdepth >\m@ne
343             \bfseries \thechapter.\enspace
344         \fi
345         \bfseries\MakeUppercase{#1}\par\nobreak
346         \vskip 40\p@
347     }}
348 \def\@makeschapterhead#1{%
349     {\parindent \z@ \centering
350         \normalfont
351         \interlinepenalty\@M
352         \bfseries\MakeUppercase{#1}\par\nobreak

```

```

353     \vskip 40\p@
354   }}
355 \def\@schapter#1{\if@twocolumn
356     \topnewpage[\@makeschapterhead{#1}]%
357   \else
358     \@makeschapterhead{#1}%
359     \@afterheading
360   \fi}

The format requires underlined section headers.

361 \newcommand\section{\@startsection{section}{1}{0mm}%
362     {3.5ex \@plus 1ex \@minus .2ex}%
363     {2.3ex \@plus .2ex}%
364     {\raggedright\normalsize\bfseries\underline}}%
365 \newcommand\subsection{\@startsection{subsection}{2}{0mm}%
366     {3.25ex \@plus 1ex \@minus .2ex}%
367     {1.5ex \@plus .2ex}%
368     {\normalfont\normalsize\bfseries\underline}}%
369 \newcommand\subsubsection{\@startsection{subsubsection}{3}{0mm}%
370     {3.25ex \@plus 1ex \@minus .2ex}%
371     {1.5ex \@plus .2ex}%
372     {\normalfont\normalsize\bfseries\underline}}%
373 \newcommand\paragraph{\@startsection{paragraph}{4}{\z@}%
374     {3.25ex \@plus 1ex \@minus .2ex}%
375     {-1em}%
376     {\normalfont\normalsize\bfseries}}
377 \newcommand\subparagraph{\@startsection{subparagraph}{5}{\parindent}%
378     {3.25ex \@plus 1ex \@minus .2ex}%
379     {-1em}%
380     {\normalfont\normalsize\bfseries}}
381 \if@twocolumn
382   \setlength\leftmargini {2em}
383 \else
384   \setlength\leftmargini {2.5em}
385 \fi
386 \leftmargin \leftmargini
387 \setlength\leftmarginii {2.2em}
388 \setlength\leftmarginiii {1.87em}
389 \setlength\leftmarginiv {1.7em}
390 \if@twocolumn
391   \setlength\leftmarginv {.5em}
392   \setlength\leftmarginvi {.5em}
393 \else
394   \setlength\leftmarginv {1em}
395   \setlength\leftmarginvi {1em}
396 \fi
397 \setlength \labelsep {.5em}
398 \setlength \labelwidth{\leftmargini}
399 \addtolength\labelwidth{-\labelsep}
400 \@beginparpenalty -\@lowpenalty

```

```

401 \@endparpenalty -\@lowpenalty
402 \@itempenalty -\@lowpenalty
403 \renewcommand\theenumi{\@arabic\c@enumi}
404 \renewcommand\theenumii{\@alph\c@enumii}
405 \renewcommand\theenumiii{\@roman\c@enumiii}
406 \renewcommand\theenumiv{\@Alph\c@enumiv}
407 \newcommand\labelenumi{\theenumi.}
408 \newcommand\labelenumii{(\theenumii)}
409 \newcommand\labelenumiii{\theenumiii.}
410 \newcommand\labelenumiv{\theenumiv.}
411 \renewcommand\p@enumii{\theenumi}
412 \renewcommand\p@enumiii{\theenumi(\theenumii)}
413 \renewcommand\p@enumiv{\p@enumiii\theenumiii}
414 \newcommand\labelitemi{\textbullet}
415 \newcommand\labelitemii{\normalfont\bfseries \textendash}
416 \newcommand\labelitemiii{\textasteriskcentered}
417 \newcommand\labelitemiv{\textperiodcentered}
418 \newenvironment{description}
419     {\singlespacing\begin{list}{\}%
420      \renewcommand{\makelabel}[1]{\normalfont ##1:\hfil}%
421      \setlength{\labelwidth}{1.5 in}%
422      \setlength{\leftmargin}{\labelwidth+\labelsep}}
423     {\end{list}\doublespacing}
424 \newcommand*{descriptionlabel}[1]{\hspace\labelsep
425     \normalfont #1:\hfil}
426 \newenvironment{preface}
427 {
428 \setcounter{secnumdepth}{-1}
429 \chapter{\prefacename}\begin{doublespacing}
430 }
431 {\end{doublespacing}\setcounter{secnumdepth}{0}}
432 \newenvironment{verse}
433     {\let\\\@centercr
434      \list{}{\itemsep \z@
435       \itemindent -1.5em%
436       \listparindent\itemindent
437       \rightmargin \leftmargin
438       \advance\leftmargin 1.5em}%
439      \item\relax}
440     {\endlist}
441 \newenvironment{quotation}
442     {\list{}{\listparindent 1.5em%
443      \itemindent \listparindent
444      \rightmargin \leftmargin
445      \parsep \z@ \@plus\p@}%
446      \item\relax}
447     {\endlist}
448 \newenvironment{quote}
449     {\list{}{\rightmargin\leftmargin}%
450      \item\relax}

```

```

451             {\endlist}
452 \if@compatibility
453 \newenvironment{titlepage}
454   {%
455     \if@twocolumn
456       \@restonecoltrue\onecolumn
457     \else
458       \@restonecolfalse\newpage
459     \fi
460     \thispagestyle{empty}%
461     \setcounter{page}\z@
462   }%
463   {\if@restonecol\twocolumn \else \newpage \fi
464   }
465 \else
466 \newenvironment{titlepage}
467   {%
468     \if@twocolumn
469       \@restonecoltrue\onecolumn
470     \else
471       \@restonecolfalse\newpage
472     \fi
473     \thispagestyle{empty}%
474     \setcounter{page}\@ne
475   }%
476   {\if@restonecol\twocolumn \else \newpage \fi
477   \if@twoside\else
478     \setcounter{page}\@ne
479   \fi
480   }
481 \fi

```

The appendix command has many tasks. Note that right now, if you have only one appendix, you're on your own. A lot of this was ripped from Peter Wilson's appendix class. The only reason I ripped it was because his system provides no facility for telling it whether chapter or section starts an appendix for a non-standard class. Since this needs to be fairly easy for fellow students (E.g. no editing other packages if I can help it), I rewrote and inserted it here.

```

482 \newcommand\appendix{\par
483   \thispagestyle{plain}%
484   \if@twocolumn\onecolumn\@tempwattrue\else\@tempwafalse\fi
485   \markboth{}{}%
486   {\setcounter{secnumdepth}{-1}
487   \chapter{\appendixtocname}
488   \setcounter{secnumdepth}{0}}%
489   \vfil\newpage
490   \if@twoside
491     \if@openright
492       \null
493     \thispagestyle{empty}%

```

```

494     \newpage
495     \fi
496 \fi
497 \if@tempwa
498     \twocolumn
499 \fi
500
501 \setcounter{section}{0}
502 \setcounter{chapter}{0}
503 \renewcommand\@chapapp{\appendixname}
504 \renewcommand\thechapter{\@Alph\c@chapter}
505 \let\oldacl@pp=\addcontentsline
506 \def\addcontentsline##1##2##3{%
507     \ifthenelse{\equal{##1}{toc}}{%
508         \ifthenelse{\equal{##2}{chapter}}{%
509             \addtocontents{##1}{\protect\contentsline{##2}%
510                 {\appendixname\space ##3}{\thepage}}}%
511         {\oldacl@pp{##1}{##2}{##3}}}%
512     {\oldacl@pp{##1}{##2}{##3}}}

```

**Note:** Still in \appendix.

Note we have that darned colon in for appendices in the TOC. Also note the ugly kludge being used to remove vertical spacing between appendix names.

```

513 \def\@chapter[##1]##2{\ifnum \c@secnumdepth >\m@ne
514     \refstepcounter{chapter}%
515     \typeout{\@chapapp\space\thechapter}%
516     \addcontentsline{toc}{section}%
517         {\@chapapp\space\thechapter: ##1}%
518     \else
519     \addcontentsline{toc}{chapter}{##1}%
520     \fi
521     \chaptermark{##1}%
522     \if@twocolumn
523     \@topnewpage[\@makechapterhead{##2}]%
524     \else
525     \@makechapterhead{##2}%
526     \@afterheading
527     \fi}

```

Now things are redefined a special page just for the chapter heading.

```

528 \def\@makechapterhead##1{%
529     \vspace*{1in}%
530     {\parindent \z@ \centering \normalfont
531     \ifnum \c@secnumdepth >\m@ne
532         \bfseries \@chapapp\ \thechapter\@par
533     \fi
534     \vskip 40\p@
535     \bfseries \MakeUppercase##1\par\nobreak
536     \clearpage
537 }}

```

```

538 }
539 \setlength\arraycolsep{5\p@}
540 \setlength\tabcolsep{6\p@}
541 \setlength\arrayrulewidth{.4\p@}
542 \setlength\doublerulesep{2\p@}
543 \setlength\tabbingsep{\labelsep}
544 \skip\@mpfootins = \skip\footins
545 \setlength\fbboxsep{3\p@}
546 \setlength\fbboxrule{.4\p@}
547 \@addtoreset {equation}{chapter}
548 \renewcommand\theequation
549 {\ifnum \c@chapter>\z@ \thechapter.\fi \@arabic\c@equation}

```

Here we reconfigure lists of figures and tables to appear in table of contents. Also, parts of report.cls were removed to reconfigure figure counter to number for the entire document rather than per chapter.

```

550 \newcounter{figure}
551 \def\fps@figure{tbp}
552 \def\ftype@figure{1}
553 \def\ext@figure{lof}
554 \def\fnm@figure{\underline{\figurename~\thefigure.}}
555 \newenvironment{figure}
556     {\@float{figure}}
557     {\end@float}
558 \newenvironment{figure*}
559     {@dblfloat{figure}}
560     {\end@dblfloat}

```

Reconfigured table counter to number for the entire document, not per chapter.  
(Bits of report.cls removed)

```

561 \newcounter{table}
562 \def\fps@table{tbp}
563 \def\ftype@table{2}
564 \def\ext@table{lot}
565 \def\fnm@table{\underline{\tablename~\thetable.}}
566 \newenvironment{table}
567     {\@float{table}}
568     {\end@float}
569 \newenvironment{table*}
570     {@dblfloat{table}}
571     {\end@dblfloat}
572 \newlength\abovecaptionskip
573 \newlength\belowcaptionskip
574 \setlength\abovecaptionskip{10\p@}
575 \setlength\belowcaptionskip{0\p@}
576 \long\def\@makecaption#1#2{%
577     \vskip\abovecaptionskip
578     \sbox\@tempboxa{#1 #2}%
579     \ifdim \wd\@tempboxa >\hsize
580         #1 #2\par

```

```

581 \else
582   \global \@minipagefalse
583   \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
584 \fi
585 \vskip\belowcaptionskip}
586 \DeclareOldFontCommand{\rm}{\normalfont\rmfamily}{\mathrm}
587 \DeclareOldFontCommand{\sf}{\normalfont\sffamily}{\mathsf}
588 \DeclareOldFontCommand{\tt}{\normalfont\ttfamily}{\mathtt}
589 \DeclareOldFontCommand{\bf}{\normalfont\bfseries}{\mathbf}
590 \DeclareOldFontCommand{\it}{\normalfont\itshape}{\mathit}
591 \DeclareOldFontCommand{\sl}{\normalfont\slshape}{\@nomath\sl}
592 \DeclareOldFontCommand{\sc}{\normalfont\scshape}{\@nomath\sc}
593 \DeclareRobustCommand*\cal{\@fontswitch\relax\mathcal}
594 \DeclareRobustCommand*\mit{\@fontswitch\relax\mathnormal}
595 \newcommand\@pnumwidth{1.55em}
596 \newcommand\@tocrmarg{2.55em}
597 \newcommand\@dotsep{0.25}
598 \setcounter{tocdepth}{2}
599 \newcommand\tableofcontents{%
600   \if@twocolumn
601     \@restonecoltrue\onecolumn
602   \else
603     \@restonecolfalse
604   \fi
605   \chapter*{\contentsname
606     \@mkboth{%
607       \MakeUppercase\contentsname}{\MakeUppercase\contentsname}}%
608   \@starttoc{toc}%
609   \if@restonecol\twocolumn\fi
610 }
611 \newcommand*\l@part[2]{%
612   \ifnum \c@tocdepth >-2\relax
613     \addpenalty{-\@highpenalty}%
614     \addvspace{2.25em \@plus\p@}%
615     \begingroup
616       \parindent \z@ \rightskip \@pnumwidth
617       \parfillskip -\@pnumwidth
618       {\leavevmode
619         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
620       \nobreak
621       \global\@nobreaktrue
622       \everypar{\global\@nobreakfalse\everypar{}}%
623     \endgroup
624   \fi}

```

Here we set up table of contents.

```

625 \newcommand*\l@chapter{\vspace{1em}\@dottedtocline{0}{0em}{3em}}
626 \newcommand*\l@section{\@dottedtocline{1}{6em}{0em}}
627 \newcommand*\l@subsection{\@dottedtocline{2}{9em}{0em}}
628 \newcommand*\l@subsubsection{\@dottedtocline{3}{12em}{0em}}

```



```

629 \newcommand*\l@paragraph{\@dottedtocline{4}{15em}{0em}}
630 \newcommand*\l@subparagraph{\@dottedtocline{5}{18em}{0em}}
    List of illustrations modified to appear in the table of contents.
631 \newcommand\listofillustrations{%
632     \setcounter{secnumdepth}{-1}
633     \chapter{\listillusname%
634         \@mkboth{\MakeUppercase\listillusname}%
635             {\MakeUppercase\listillusname}}%
636 \begin{doublespace}%
637 \begin{raggedright}%
638 \textbf{\underline{Figures}\hfill\underline{Page}}}%
639 \end{raggedright}%
640 \@starttoc{lof}%
641 \vspace{2em}
642 \begin{raggedright}%
643 \textbf{\underline{Tables}\hfill\underline{Page}}}%
644 \end{raggedright}%
645 \@starttoc{lot}%
646 \end{doublespace}
647 \setcounter{secnumdepth}{0}
648 }
649 \newcommand*\l@figure{\@dottedtocline{1}{0em}{2.3em}}
650 \let\l@table\l@figure
651 \newdimen\bibindent
652 \setlength\bibindent{1.5em}
653 \newenvironment{thebibliography}[1]
654     {\chapter*{\bibname
655         \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
656     \list{\@biblabel{\@arabic{c@enumiv}}}%
657         {\settowidth\labelwidth{\@biblabel{#1}}%
658         \leftmargin\labelwidth
659         \advance\leftmargin\labelsep
660         \@openbib@code
661         \usecounter{enumiv}%
662         \let\p@enumiv\@empty
663         \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
664     \sloppy
665     \clubpenalty4000
666     \@clubpenalty \clubpenalty
667     \widowpenalty4000%
668     \sfcode'\.\@m}
669     {\def\@noitemerr
670         {\@latex@warning{Empty 'thebibliography' environment}}%
671     \endlist}
672 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
673 \let\@openbib@code\@empty
674 \newenvironment{theindex}
675     {\if@twocolumn
676         \@restonecolfalse

```

```

677         \else
678         \@restonecoltrue
679         \fi
680         \columnseprule \z@
681         \columnsep 35\p@
682         \twocolumn[\@makeschapterhead{\indexname}]]%
683         \@mkboth{\MakeUppercase\indexname}%
684         {\MakeUppercase\indexname}%
685         \thispagestyle{plain}\parindent\z@
686         \parskip\z@ \@plus .3\p@\relax
687         \let\item\@idxitem}
688         {\if@restonecol\onecolumn\else\clearpage\fi}
689 \newcommand\@idxitem{\par\hangindent 40\p@}
690 \newcommand\subitem{\@idxitem \hspace*{20\p@}}
691 \newcommand\subsubitem{\@idxitem \hspace*{30\p@}}
692 \newcommand\indexspace{\par \vskip 10\p@ \@plus5\p@ \@minus3\p@\relax}
693 \renewcommand\footnoterule{%
694   \kern-3\p@
695   \hrule\@width.4\columnwidth
696   \kern2.6\p@}
697 \@addtoreset{footnote}{chapter}
698 \newcommand\@makefnmark[1]{%
699   \parindent 1em%
700   \noindent
701   \hb@xt@1.8em{\hss\@makefnmark}#1}

```

Kettering requires that these be all caps. While we do have automatic uppercasing in spots, it's best to cover all the bases.

```

702 \newcommand\contentsname{TABLE OF CONTENTS}
703 \newcommand\listillusname{LIST OF ILLUSTRATIONS}
704 \newcommand\bibname{REFERENCES} % APA format!
705 \newcommand\indexname{INDEX}
706 \newcommand\figurename{Figure}
707 \newcommand\tablename{Table}
708 \newcommand\partname{PART}
709 \newcommand\chaptername{Chapter}
710 \newcommand\appendixname{APPENDIX}
711 \newcommand\appendixtocname{APPENDICES}
712 \newcommand\prefacename{PREFACE}
713 \def\today{\ifcase\month\or
714   January\or February\or March\or April\or May\or June\or
715   July\or August\or September\or October\or November\or December\fi
716   \space\number\day, \number\year}
717 \setlength\columnsep{10\p@}
718 \setlength\columnseprule{0\p@}
719 \pagestyle{plain}

```

The thesis is numbered in Arabic numerals. Some sections in the front are double-spaced.

```

720 \pagenumbering{arabic}

```

```

721 \newcommand\begincontent{
722 \clearpage
723 \doublespacing
724 }

```

#### Margin Setup

```

725 \setlength{\oddsidemargin}{.5 in}
726 \setlength{\footskip}{.5 in}
727 \setlength{\textheight}{9 in}
728 \setlength{\textwidth}{6 in}
729 \setlength{\topmargin}{0pt}
730 \setlength{\headheight}{0pt}
731 \setlength{\headsep}{0pt}
732 \setlength{\voffset}{0pt}
733 \setlength{\hoffset}{0pt}
734 \setlength{\textheight}{9in}
735
736
737 \if@twoside
738 \else
739   \raggedbottom
740 \fi
741 \if@twocolumn
742   \twocolumn
743   \sloppy
744   \flushbottom
745 \else
746   \onecolumn
747 \fi

```

Rather than stomp on the documentation, I'll simply indicate that it's right below. Note that I have altered the file somewhat. If I was less lazy, I'd pull out the unnecessary bits.

```

748 %
749 % Save file as: ENDNOTES.STY
750 % modified by --bg (B.Gaulle) 09/14/94 for:
751 %           1) replace (why a 8bit char here?) by ^ as a default.
752 %           2) force \catcode of > to be 12 (implied by \@doanenot).
753 %           by --bg again 03/22/95 for:
754 %           3) resetting appropriate catcode of > in case it were
755 %               used as an active char before \@endanenote (was
756 %               pointed by Ch. Pallier).
757 %%% free to distribute by John_Lavagnino@Brown.edu on Thu, 23 Mar 1995
758 %%%
759 %
760 % *****
761 % *                ENDNOTES                *
762 % *****
763 %
764 % Date of this version: 24 September 1991.

```

```

765 %
766 % Based on the FOOTNOTES section of
767 % LATEX.TEX (VERSION 2.09 - RELEASE OF 19 April 1986), with
768 % "footnote" changed to "endnote" and "fn" changed to "en" (where
769 % appropriate), with all the minipage stuff pulled out, and with
770 % some small changes for the different operation of endnotes.
771 %
772 % Uses an extra external file, with .ENT extension, to hold the
773 % text of the endnotes. This may be deleted after the run; a new
774 % version is generated each time.
775 %
776 % This code does not obey \nofiles. Perhaps it should.
777 %
778 % John Lavagnino (lav@brandeis.bitnet), 9/23/88
779 % Department of English and American Literature,
780 % Brandeis University
781 %
782 % To turn all the footnotes in your documents into endnotes, say
783 %
784 % \let\footnote=\endnote
785 %
786 % in your preamble, and then add something like
787 %
788 % \newpage
789 % \begingroup
790 % \parindent 0pt
791 % \parskip 2ex
792 % \def\enotesize{\normalsize}
793 % \theendnotes
794 % \endgroup
795 %
796 % as the last thing in your document.
797 %
798 % *****
799 % * CHANGE LOG *
800 % *****
801 %
802 % JL Modified to include \addtoendnotes. JL, 10/22/89.
803 %
804 % JK Modification by J"org Knappen 25. 2. 1991:
805 % JK
806 % JK Introduced \notesname in the spirit of international \LaTeX.
807 % JK \notesname is set per default to be {Notes}, but can easily
808 % JK be redefined, e.g. for german language
809 % JK \renewcommand{\notesname}{Anmerkungen}
810 %
811 % DW Modification by Dominik Wujastyk, London, 19 September 1991:
812 % DW
813 % DW Moved the line
814 % DW \edef\@currentlabel{\csname p@endnote\endcsname\@theenmark}

```

```

815 % DW out of the definition of \@endnotetext and into the definition
816 % DW of \@doanenote so that \label and \ref commands work correctly in
817 % DW endnotes. Otherwise, the \label just pointed to the last section
818 % DW heading (or whatever) preceding the \theendnotes command.
819 %
820 % JL Revised documentation and macros. 24 Sept 1991.
821 %
822 % *****
823 % *          ENDNOTE COMMANDS          *
824 % *****
825 %
826 %
827 % \endnote{NOTE}          : User command to insert a endnote.
828 %
829 % \endnote[NUM]{NOTE} : User command to insert a endnote numbered
830 %                      NUM, where NUM is a number -- 1, 2,
831 %                      etc. For example, if endnotes are numbered
832 %                      *, **, etc. within pages, then \endnote[2]{...}
833 %                      produces endnote '*'. This command does not
834 %                      step the endnote counter.
835 %
836 % \endnotemark[NUM]      : Command to produce just the endnote mark in
837 %                      the text, but no endnote. With no argument,
838 %                      it steps the endnote counter before generating
839 %                      the mark.
840 %
841 % \endnotetext[NUM]{TEXT} : Command to produce the endnote but no
842 %                      mark. \endnote is equivalent to
843 %                      \endnotemark \endnotetext .
844 %
845 % \addtoendnotes{TEXT} : Command to add text or commands to current
846 %                      endnotes file: for inserting headings,
847 %                      pagebreaks, and the like into endnotes
848 %                      sections. TEXT a moving argument:
849 %                      \protect required for fragile commands.
850 %
851 % *****
852 % *          ENDNOTE USER COMMANDS        *
853 % *****
854 %
855 % Endnotes use the following parameters, similar to those relating
856 % to footnotes:
857 %
858 % \enotesize      : Size-changing command for endnotes.
859 %
860 % \theendnote      : In usual LaTeX style, produces the endnote number.
861 %
862 % \@theenmark      : Holds the current endnote's mark--e.g., \dag or '1' or 'a'.
863 %
864 % \@makeenmark      : A macro to generate the endnote marker from \@theenmark

```

```

865 %             The default definition is \hbox{$^\@theenmark$}.
866 %
867 % \@makeentext{NOTE} :
868 %     Must produce the actual endnote, using \@theenmark as the mark
869 %     of the endnote and NOTE as the text. It is called when effectively
870 %     inside a \parbox, with \hsize = \columnwidth. For example, it might
871 %     be as simple as
872 %         $\@theenmark$ NOTE
873 %
874 %
875 % *****
876 % *           ENDNOTE PSEUDOCODE           *
877 % *****
878 %
879 % \endnote{NOTE} ==
880 % BEGIN
881 %     \stepcounter{endnote}
882 %     \@theenmark :=G eval (\theendnote)
883 %     \@endnotemark
884 %     \@endnotetext{NOTE}
885 % END
886 %
887 % \endnote[ NUM]{NOTE} ==
888 % BEGIN
889 %     begingroup
890 %         counter endnote :=L NUM
891 %         \@theenmark :=G eval (\theendnote)
892 %     endgroup
893 %     \@endnotemark
894 %     \@endnotetext{NOTE}
895 % END
896 %
897 % \@endnotetext{NOTE} ==
898 % BEGIN
899 %     write to \@enotes file: "\@doanenote{ENDNOTE MARK}"
900 %     begingroup
901 %         \next := NOTE
902 %         set \newlinechar for \write to \space
903 %         write to \@enotes file: \meaning\next
904 %         (that is, "macro:->NOTE)
905 %     endgroup
906 % END
907 %
908 % \addtoendnotes{TEXT} ==
909 % BEGIN
910 %     open endnotes file if not already open
911 %     begingroup
912 %         let \protect to \string
913 %         set \newlinechar for \write to \space
914 %         write TEXT to \@enotes file

```

```

915 %   endgroup
916 % END
917 %
918 % \endnotemark      ==
919 % BEGIN \stepcounter{endnote}
920 %       \@theenmark :=G eval(\theendnote)
921 %       \@endnotemark
922 % END
923 %
924 % \endnotemark[NUM] ==
925 % BEGIN
926 %     begingroup
927 %         endnote counter :=L NUM
928 %         \@theenmark :=G eval(\theendnote)
929 %     endgroup
930 %     \@endnotemark
931 % END
932 %
933 % \@endnotemark ==
934 % BEGIN
935 %     \leavevmode
936 %     IF hmode THEN \@x@sf := \the\spacefactor FI
937 %     \@makeenmark          % put number in main text
938 %     IF hmode THEN \spacefactor := \@x@sf FI
939 % END
940 %
941 % \endnotetext      ==
942 % BEGIN \@theenmark :=G eval (\theendnote)
943 %     \@endnotetext
944 % END
945 %
946 % \endnotetext[NUM] ==
947 % BEGIN begingroup counter endnote :=L NUM
948 %         \@theenmark :=G eval (\theendnote)
949 %     endgroup
950 %     \@endnotetext
951 % END
952 %
953 % *****
954 % *           ENDNOTE MACROS           *
955 % *****
956 %
957
958 \@definecounter{endnote}
959 \def\theendnote{\arabic{endnote}}
960
961 % Default definition
962 \def\@makeenmark{\hbox{$^\{\@theenmark\}$}}
963
964 \newdimen\endnotessep

```

```

965
966 \def\endnote{\@ifnextchar[{\@xendnote}{\stepcounter
967   {endnote}\xdef\@theenmark{\theendnote}\@endnotemark\@endnotetext}}
968
969 \def\@xendnote[#1]{\begingroup \c@endnote=#1\relax
970   \xdef\@theenmark{\theendnote}\endgroup
971   \@endnotemark\@endnotetext}
972
973 % Here begins endnote code that's really different from the footnote
974 % code of LaTeX.
975
976 \let\@doanenote=0
977 \let\@endanenote=0
978
979 \newwrite\@enotes
980 \newif\if@enotesopen \global\@enotesopenfalse
981
982 \def\@openenotes{\immediate\openout\@enotes=\jobname.ent\relax
983   \global\@enotesopentruer}
984
985 % The stuff with \next and \meaning is a trick from the TeXbook, 382,
986 % there intended for setting verbatim text, but here used to avoid
987 % macro expansion when the footnote text is written. \next will have
988 % the entire text of the footnote as one long line, which might well
989 % overflow limits on output line length; the business with \newlinechar
990 % makes every space become a newline in the \@enotes file, so that all
991 % of the lines wind up being quite short.
992
993 \long\def\@endnotetext#1{%
994   \if@enotesopen \else \@openenotes \fi
995   \immediate\write\@enotes{\@doanenote{\@theenmark}}}%
996   \begingroup
997     \def\next{#1}%
998     \newlinechar='40
999     \immediate\write\@enotes{\meaning\next}%
1000   \endgroup
1001   \immediate\write\@enotes{\@endanenote}}
1002
1003 % \addtoendnotes works the way the other endnote macros probably should
1004 % have, requiring the use of \protect for fragile commands.
1005
1006 \long\def\addtoendnotes#1{%
1007   \if@enotesopen \else \@openenotes \fi
1008   \begingroup
1009     \newlinechar='40
1010     \let\protect\string
1011     \immediate\write\@enotes{#1}%
1012   \endgroup}
1013
1014 % End of unique endnote code

```



```

1015
1016 \def\endnotemark{\ifnextchar[{\@xendnotemark
1017     }\stepcounter{endnote}\xdef\@theenmark{\theendnote}\@endnotemark}}
1018
1019 \def\@xendnotemark[#1]{\begingroup \c@endnote #1\relax
1020     \xdef\@theenmark{\theendnote}\endgroup \@endnotemark}
1021
1022 \def\@endnotemark{\leavevmode\ifhmode
1023     \edef\@x@sf{\the\spacefactor}\fi \@makeenmark
1024     \ifhmode\spacefactor\@x@sf\fi\relax}
1025
1026 \def\endnotetext{\ifnextchar
1027     [{\@xendnotenext}\xdef\@theenmark{\theendnote}\@endnotetext}}
1028
1029 \def\@xendnotenext[#1]{\begingroup \c@endnote=#1\relax
1030     \xdef\@theenmark{\theendnote}\endgroup \@endnotetext}
1031
1032
1033 % \theendnotes actually prints out the endnotes.
1034
1035 % Endnotes auto-renumber at the end of each chapter (or actually, when
1036 % they're printed...)
1037 % \enoteformat is provided so user can specify some special formatting
1038 % for the endnotes. It needs to set up the paragraph parameters, start
1039 % the paragraph, and print the label. The \leavevmode stuff is to make
1040 % and undo a dummy paragraph, to get around the games \section*
1041 % plays with paragraph indenting.
1042
1043 \def\notesname{NOTES}% <----- AE
1044 \def\noteheading{\chapter*{\notesname
1045     \@mkboth{\uppercase{\notesname}}{\uppercase{\notesname}}}%
1046     \leavevmode\par\vskip-\baselineskip}
1047
1048 \def\enoteformat{\vspace{\baselineskip}\rightskip\z@ \leftskip\z@ \parindent=1.8em
1049     \leavevmode\llap{\hbox{$^{\@theenmark}$}}}
1050
1051 \def\notesize{\normalsize}
1052
1053 % The definition of \ETC. is needed only for versions of TeX prior
1054 % to 2.992. Those versions limited \meaning expansions to 1000
1055 % characters; in 2.992 and beyond there is no limit. At Brandeis the
1056 % BIGLATEX program changed the code in the token_show procedure of
1057 % TeX to eliminate this problem, but most "big" versions of TeX
1058 % will not solve this problem.
1059
1060 \def\theendnotes{\immediate\closeout\@enotes \global\@enotesopenfalse
1061     \begingroup
1062     \makeatletter
1063 % the following is to save catcode of ">" and restore it in \@endanenote
1064 \edef\@tempa{'\string >}}%

```

```

1065 \ifnum\catcode\@tempa=11\let\@ResetGT\relax% accepts also that > were active
1066 \else\edef\@ResetGT{\noexpand\catcode\@tempa=\the\catcode\@tempa}%
1067 \fi%
1068 \catcode'>=12% char > will be read as char so force it to \catcode 12 --bg\edef\GOfrench{'\
1069 \def\@doanenote##1##2>{\def\@theenmark{##1}\par\begin{group}
1070 \@ResetGT%\catcode'>=13
1071 \edef\@currentlabel{\csname p@endnote\endcsname\@theenmark} %DW
1072 \enoteformat}
1073 \def\@endanenote{\par\end{group}}%
1074 \def\ETC.{\errmessage{Some long endnotes will be truncated; %
1075 use BIGLATEX to avoid this}%
1076 \def\ETC.{\relax}}
1077 \clearpage
1078 \enoteheading
1079 \enotesize
1080 \begin{singledspacing}
1081 \input{\jobname.ent}%
1082 \end{singledspacing}
1083 \endgroup
1084 \setcounter{endnote}{0}}
1085 \endinput

```