kuthesis.dtx*

Arthur Shipkowski and Alison Chan

April 22, 2015

Abstract

Kuthesis.dtx is a style file for the Kettering University Thesis Format for L^AT_EX. 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 whole-sale 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 LATEX style and a BIBTEX 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 IATEX to create my thesis. Finally, my fianceé, 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.

^{*}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 TEX distribution.

1.2 Installation

- 1. Make sure the files are in your current working directory and run kuthesis.ins through T_FX.
- 2. Move the generated files to someplace you'd like them to be. I'm sure there's an official spot.
- 3. If your T_EX 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 appendicies 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}
     {\setlength\paperheight {297mm}%
16
      \setlength\paperwidth {210mm}}
17
18 \DeclareOption{a5paper}
     {\setlength\paperheight {210mm}%
19
      \setlength\paperwidth {148mm}}
20
21 \DeclareOption{b5paper}
     {\setlength\paperheight {250mm}%
22
      \setlength\paperwidth {176mm}}
23
24 \DeclareOption{letterpaper}
25
     {\setlength\paperheight {11in}%
      \setlength\paperwidth {8.5in}}
```

```
27 \DeclareOption{legalpaper}
            {\setlength\paperheight {14in}%
28
               \setlength\paperwidth {8.5in}}
29
30 \DeclareOption{executivepaper}
            {\setlength\paperheight {10.5in}%
31
              \setlength\paperwidth {7.25in}}
33 \DeclareOption{landscape}
            {\setlength\@tempdima
34
                                                                      {\paperheight}%
               \setlength\paperheight {\paperwidth}%
35
               \setlength\paperwidth {\@tempdima}}
36
37 \fi
38 \if@compatibility
         \renewcommand\@ptsize{0}
40 \ensuremath{\setminus} 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}
48 \DeclareOption{twoside}{\@twosidetrue \@mparswitchtrue}
49 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
50 \if@compatibility\else
51 \DeclareOption{final}{\setlength\overfullrule{Opt}}
52 \fi
53 \DeclareOption{titlepage}{\@titlepagetrue}
54 \if@compatibility\else
55 \label{lem:condition} \begin{tabular}{l} 155 \label{l} \begin{tabular}{l} \begin{ta
56 \fi
57 \if@compatibility
58 \ensuremath{\setminus} \texttt{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}{%
          \AtEndOfPackage{%
69
            \renewcommand\@openbib@code{%
70
71
                   \advance\leftmargin\bibindent
72
                   \itemindent -\bibindent
73
                   \listparindent \itemindent
74
                   \parsep \z@
                   }%
75
            \renewcommand\newblock{\par}}%
76
```

```
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\p0}
 83 \setlength\normallineskip\{1\p0\}
 84 \renewcommand\baselinestretch{}
 85 \setlength\parskip{0\p0 \@plus \p0}
 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}%
         \def\@oddhead{{\slshape\rightmark}\hfil\thepage}%
103
         \let\@mkboth\markboth
104
       \def\chaptermark##1{%
105
         \markboth {\MakeUppercase{%
106
            \ifnum \c@secnumdepth >\m@ne
107
                \@chapapp\ \thechapter. \ %
108
            \fi
109
           ##1}}{}}%
110
       \def\sectionmark##1{%
111
112
         \markright {\MakeUppercase{%
            \ifnum \c@secnumdepth >\z@
113
              \thesection. \ %
114
            \fi
115
           ##1}}}
116
117 \else
     \def\ps@headings{%
```

```
\let\@oddfoot\@empty
119
       \def\@oddhead{{\slshape\rightmark}\hfil\thepage}%
120
       \let\@mkboth\markboth
121
       \def\chaptermark##1{%
122
         \markright {\MakeUppercase{%
123
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
       \def\@evenhead{\thepage\hfil\slshape\leftmark}%
131
       \def\@oddhead{{\slshape\rightmark}\hfil\thepage}%
132
       \let\@mkboth\@gobbletwo
133
       \let\chaptermark\@gobble
134
       \let\sectionmark\@gobble
135
       }
136
Items required for the title page.
137 \newcommand{\employer}[1]{\ifx\empty#1\else\gdef\@employer{#1}\fi}
139 \renewcommand{\author}[1]{\ifx\empty#1\else\gdef\@author{#1}\fi}
140 \renewcommand{\title}[1]{\ifx\empty#1\else\gdef\0title{#1}\fi}
141 \newcommand{\gdate}[1] {\left| \frac{1}{\pi}\right|}
142
143 \left(\frac{\ensuremath{\mbox{\{\}}}}{\ensuremath{\mbox{\{\}}}}\right)
144 \global\def\@degree{\mbox{}}
145 \global\def\@author{\mbox{}}
146 \global\def\@title{\mbox{}}
147 \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. There is a separate \maketitle command for each type of thesis
(co-op, research, professional practice, and e-ship). Yes, I know this is bloody
awful. I'm going to fix it later.
148 \newcommand{\maketitle}[1][coop]
149 {
150 \begin{titlepage}
      \setcounter{page}{1}
Set the line spacing to 1 for the title page.
      \begin{spacing}{1}
152
153
      \begin{center}
         \mbox{}
154
155
         \vfill
         \textbf{\MakeUppercase{\@title}}\\
156
         \vspace{2em}
157
         \ifstrequal{#1}{coop}
158
159
         {A Co-op Thesis written for \
160
          \vspace{1em}
```

```
\textbf{\@employer} \\}
161
162
                            {}
                            \ifstrequal{#1}{research}
163
                            {A Research Thesis written for \
164
                               \vspace{1em}
165
                               \textbf{KETTERING UNIVERSITY} \\}
166
167
                            \ifstrequal{#1}{pp}
168
                            {A Professional Practice Thesis written for \
169
                               \vspace{1em}
170
                               \textbf{\@employer} \\}
171
172
                            \ifstrequal{#1}{eship}
173
                            {An E-Ship Thesis written by \
174
                               \vspace{1em}
175
                               \textbf{\MakeUppercase{{\Qauthor}}} \\}
176
177
                           \vspace{1em}
178
179
                           and submitted to \
180
                           \vspace{1em}
                            \textbf{KETTERING UNIVERSITY} \\
181
                           \vspace{3em}
182
                            in partial fulfillment \\
183
                            of the requirements for the \
184
                            degree of \\
185
186
                            \vspace{1em}
                            \textbf{BACHELOR OF SCIENCE IN \MakeUppercase{\@department}} \\
187
                            \vspace{3em}
188
                            \ifstrequal{#1}{eship}
189
                            {}
190
                            {by \\
191
192
                               \vspace{1em}
193
                               \textbf{\MakeUppercase{{\@author}}}\\
194
                           \vspace{1em}
195
                            {\@gdate} \\
196
                            \vspace{1in}
197
                   \end{center}
198
199
                   \begin{flushright}
200
201
202
                   \begin{tabular}{0{}1}
203
                  \\ \hline
204
205
                  Student
                                                    //
206
                  11
207
                   209 \ \texttt{faculty Thesis Advisor} \\ 200 \ \texttt{faculty Thesis} \\ 20
210 \ifstrequal{#1}{pp}{Company Liaison~~~~~~~~}{}%
```

```
211 \ifstrequal{#1}{eship}{Faculty Thesis Advisor ^{211} \\
212
      //
      \\ \hline
213
      \ifstrequal{#1}{coop}{Faculty Thesis Advisor}{}%
214
215 \ifstrequal{#1}{research}{Committee Member}{}%
216 \ifstrequal{#1}{pp}{Faculty Thesis Advisor}{}%
217 \ifstrequal{#1}{eship}{Committee Member}{} \\
      \end{tabular}
218
219
220
      \end{flushright}
221
222
      \end{spacing}
      \end{titlepage}
223
      \setcounter{page}{2}
224
      \setcounter{secnumdepth}{-1}
225
226
      \chapter{DISCLAIMER}
227
      \begin{doublespace}
228
229
230
       This thesis is being submitted as partial fulfillment of the
       graduation requirements of Kettering University needed
231
       to obtain a Bachelor of Science in {\@department} Degree.
232
233
       The conclusions and opinions expressed in this thesis are those
234
235
       of the student author and do not necessarily represent the position
236
       of Kettering University or anyone else affiliated with this
       culminating undergraduate experience.
237
      \end{doublespace}
238
239 \ maketitle
240
241 \newcommand*\chaptermark[1]{}
Chapters are the only numbered objects, and they use Roman numerals. Roman
numerals are set below.
242 \setcounter{secnumdepth}{0}
243 \setcounter{secnumdepth}{0}
244 \newcounter {part}
245 \newcounter {chapter}
246 \newcounter {section}[chapter]
247 \newcounter {subsection}[section]
248 \newcounter {subsubsection}[subsection]
249 \newcounter {paragraph}[subsubsection]
250 \newcounter {subparagraph}[paragraph]
251 \renewcommand \thepart {\@Roman\c@part}
252 \renewcommand \thechapter {\@Roman\c@chapter}
253 \renewcommand \thesection {\thechapter.\@arabic\c@section}
254 \renewcommand\thesubsection
                                 {\thesection.\@arabic\c@subsection}
255 \renewcommand\thesubsubsection{\thesubsection .\@arabic\c@subsubsection}
256 \renewcommand\theparagraph
                                 {\thesubsubsection.\@arabic\c@paragraph}
257 \renewcommand\thesubparagraph {\theparagraph.\@arabic\c@subparagraph}
```

```
258 \newcommand\@chapapp{\chaptername}
259 \newcommand\part{%
     \if@openright
260
       \cleardoublepage
261
     \else
262
263
       \clearpage
264
     \fi
     \thispagestyle{plain}%
265
     \if@twocolumn
266
       \onecolumn
267
       \@tempswatrue
268
269
     \else
       \@tempswafalse
270
271
     \left\langle \right\rangle 
272
     \secdef\@part\@spart}
273
274
275 \left[ 1] #2 
       \ifnum \c@secnumdepth >-2\relax
276
277
         \refstepcounter{part}%
278
         279
       \else
         \verb|\addcontentsline{toc}{part}{\#1}|
280
       \fi
281
       \markboth{}{}%
282
283
       {\centering
284
        \interlinepenalty \@M
        \normalfont
285
        \ifnum \c@secnumdepth >-2\relax
286
          \huge\bfseries \partname~\thepart
287
          \par
288
289
          \vskip 20\p0
290
291
        \Huge \bfseries #2\par}%
292
       \@endpart}
293 \def\@spart#1{%
       {\centering
294
        \interlinepenalty \@M
295
296
        \normalfont
297
        \Huge \bfseries #1\par}%
298
       \@endpart}
299 \def\@endpart{\vfil\newpage
                 \if@twoside
300
                   \null
301
302
                   \thispagestyle{empty}%
303
                    \newpage
304
                  \fi
                  \if@tempswa
305
306
                   \twocolumn
                  \fi}
307
```

```
308 \end{chapter} if @open right \clear double page \else \clear page \fi
309
                        \thispagestyle{plain}%
                        \global\@topnum\z@
310
                        \@afterindentfalse
311
                        \secdef\@chapter\@schapter}
312
 We put a period after the chapter number in the table of contents. (e.g. I.
INTRODUCTION)
313 \def\@chapter[#1]#2{\ifnum \c@secnumdepth >\m@ne
                             \refstepcounter{chapter}%
314
315
                             \typeout{\@chapapp\space\thechapter.}%
                             \addcontentsline{toc}{chapter}%
316
                                        {\protect\numberline{\thechapter\0.}\MakeUppercase{#1}}%
317
318
                        \else
                          \addcontentsline{toc}{chapter}{\MakeUppercase{#1}}%
319
                        \fi
320
                        \chaptermark{#1}%
321
                        \if@twocolumn
322
                          \@topnewpage[\@makechapterhead{#2}]%
323
324
                        \else
325
                          \@makechapterhead{#2}%
326
                          \@afterheading
327
 We do simplistic Chapter Headers. Note that these fix the table of contents as
 well.
328 \def\@makechapterhead#1{%
     \vspace*{1in}%
329
     {\parindent \z@ \centering \normalfont
330
       \ifnum \c@secnumdepth >\m@ne
331
332
            \bfseries \thechapter.\enspace
333
334
       \bfseries\MakeUppercase{#1}\par\nobreak
335
       \vskip 40\p@
     }}
336
337 \def\@makeschapterhead#1{%
338
     \vspace*{1in}%
     {\parindent \z@ \centering
339
       \normalfont
340
       \interlinepenalty\@M
341
       \bfseries\MakeUppercase{#1}\par\nobreak
342
       \vskip 40\p@
343
     }}
344
345 \def\@schapter#1{\if@twocolumn
                       \@topnewpage[\@makeschapterhead{#1}]%
346
347
348
                       \@makeschapterhead{#1}%
349
                       \@afterheading
350
                     \fi}
```

The format requires underlined section headers.

```
351 \newcommand\section{\@startsection{section}{1}\{0mm\}\%
                                         {3.5ex \ \ensuremath{\texttt{Oplus 1ex \ensuremath{\texttt{Ominus .2ex}}}\%}
352
                                         {2.3ex \@plus.2ex}%
353
                                         {\raggedright\normalsize\bfseries\underline}}%
354
355 \newcommand\subsection{\@startsection{subsection}{2}\{0mm\}\%
                                          {3.25ex\plus 1ex \plus .2ex}%
356
357
                                          {1.5ex \@plus .2ex}%
358
                                          {\normalfont\normalsize\bfseries\underline}}%
359 \newcommand\subsubsection{\Qstartsection{subsubsection}{3}\{0mm\}\%
                                          {3.25ex\position{0}{0}} 1ex \partial minus .2ex}%
360
                                          {1.5ex \@plus .2ex}%
361
                                          {\normalfont\normalsize\bfseries\underline}}%
362
363 \newcommand\paragraph{\Qstartsection{paragraph}{4}{\zQ}%
                                         {3.25ex \@plus1ex \@minus.2ex}%
364
                                         {-1em}%
365
                                         {\normalfont\normalsize\bfseries}}
366
367 \end{subparagraph} {0startsection \{subparagraph\} \{5\} \{\{varindent\} \} \}} \\
                                            368
369
                                             {-1em}%
370
                                           {\normalfont\normalsize\bfseries}}
371 \if@twocolumn
     \setlength\leftmargini {2em}
373 \else
     \setlength\leftmargini {2.5em}
374
375 \fi
376 \leftmargin \leftmargini
377 \setlength\leftmarginii {2.2em}
378 \setlength\leftmarginiii {1.87em}
379 \setlength\leftmarginiv {1.7em}
380 \if@twocolumn
     \setlength\leftmarginv {.5em}
381
382
     \setlength\leftmarginvi {.5em}
383 \else
     \setlength\leftmarginv {1em}
384
     \setlength\leftmarginvi {1em}
385
386 \fi
387 \setlength \labelsep {.5em}
388 \setlength \labelwidth{\leftmargini}
389 \addtolength\labelwidth{-\labelsep}
390 \@beginparpenalty -\@lowpenalty
391 \@endparpenalty
                      -\@lowpenalty
                      -\@lowpenalty
392 \@itempenalty
393 \renewcommand\theenumi{\@arabic\c@enumi}
394 \renewcommand\theenumii{\@alph\c@enumii}
395 \renewcommand\theenumiii{\@roman\c@enumiii}
396 \renewcommand\theenumiv{\@Alph\c@enumiv}
397 \newcommand\labelenumi{\theenumi.}
398 \newcommand\labelenumii{(\theenumii)}
399 \newcommand\labelenumiii{\theenumiii.}
400 \newcommand\labelenumiv{\theenumiv.}
```

```
401 \renewcommand\p@enumii{\theenumi}
402 \renewcommand\p@enumiii{\theenumi(\theenumii)}
403 \verb|\p@enumiv{\p@enumiii}| the enumiii}
404 \newcommand\labelitemi{\textbullet}
405 \newcommand\labelitemii{\normalfont\bfseries \textendash}
406 \newcommand\labelitemiii{\textasteriskcentered}
407 \newcommand\labelitemiv{\textperiodcentered}
408 \newenvironment{description}
                   {\singlespacing\begin{list}{}{%
409
                    \label{label} $$ \operatorname{\mathbb{L}} {\mathbb H}^1: \
410
                    \setlength{\labelwidth}{1.5 in}%
411
412
                    \setlength{\leftmargin}{\labelwidth+\labelsep}}}
413
                   {\end{list}\doublespacing}
414 \mbox{ }\mbox{mexcommand*}\mbox{descriptionlabel[1]{\hspace\labelsep}
                                      \normalfont #1:\hfil}
415
416 \newenvironment{preface}
417 {
418 \setcounter{secnumdepth}{-1}
419 \chapter{\prefacename}\begin{doublespacing}
421 {\end{doublespacing}\setcounter{secnumdepth}{0}}
422 \newenvironment{verse}
                   {\let\\\@centercr
423
                    \list{}{\itemsep
                                            \z0
424
425
                             \itemindent
                                           -1.5em%
426
                             \listparindent\itemindent
                             \rightmargin \leftmargin
427
                             \advance\leftmargin 1.5em}%
428
                    \item\relax}
429
                   {\endlist}
430
431 \newenvironment{quotation}
432
                   {\list{}{\listparindent 1.5em%
433
                             \itemindent
                                            \listparindent
                                            \leftmargin
434
                             \rightmargin
                             \parsep
                                            \z@ \@plus\p@}%
435
                    \item\relax}
436
                   {\endlist}
437
438
   \newenvironment{quote}
439
                   {\list{}{\rightmargin\leftmargin}%
                    \item\relax}
440
441
                   {\endlist}
442 \if@compatibility
443 \newenvironment{titlepage}
444
       {%
445
         \if@twocolumn
446
           \@restonecoltrue\onecolumn
447
448
            \@restonecolfalse\newpage
449
         \fi
         \thispagestyle{empty}%
450
```

```
\setcounter{page}\z@
451
       }%
452
        {\if@restonecol\twocolumn \else \newpage \fi
453
       }
454
455 \setminus else
456 \newenvironment{titlepage}
457
          \if@twocolumn
458
            \@restonecoltrue\onecolumn
459
          \else
460
            \@restonecolfalse\newpage
461
462
463
          \thispagestyle{empty}%
          \setcounter{page}\@ne
464
465
        {\if@restonecol\twocolumn \else \newpage \fi
466
         \if@twoside\else
467
            \setcounter{page}\@ne
468
469
         \fi
        }
470
471 \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.

```
472 \mbox{ newcommand\appendix{\par}}
473
     \thispagestyle{plain}%
     \if@twocolumn\onecolumn\@tempswatrue\else\@tempswafalse\fi
474
475
     \markboth{}{}%
     {\setcounter{secnumdepth}{-1}
476
     \chapter{\appendixtocname}
477
     \setcounter{secnumdepth}{0}}%
478
479
     \vfil\newpage
480
     \if@twoside
        \if@openright
481
          \null
482
          \thispagestyle{empty}%
483
          \newpage
484
       \fi
485
     \fi
486
     \if@tempswa
487
488
        \twocolumn
     \fi
489
490
     \setcounter{section}{0}
491
492
     \setcounter{chapter}{0}
493
     \renewcommand\@chapapp{\appendixname}
```

```
\renewcommand\thechapter{\@Alph\c@chapter}
494
     \let\oldacl@pp=\addcontentsline
495
     \def\addcontentsline##1##2##3{%
496
       \left( \frac{\#1}{toc} \right)
497
         \ifthenelse{\equal{##2}{chapter}}{%
498
499
           \addtocontents{##1}{\protect\contentsline{##2}%
                                {\appendixname\space ##3}{\thepage}}}%
500
         {\oldacl@pp{##1}{##2}{##3}}}%
501
       {\oldacl@pp{##1}{##2}{##3}}}
502
 Note: Still in \appendix.
 Note we have that darned colon in for appendicies in the TOC. Also note the ugly
 kludge being used to remove vertical spacing between appendix names.
503 \def\@chapter[##1]##2{\ifnum \c@secnumdepth >\m@ne
504
                             \refstepcounter{chapter}%
                             \typeout{\@chapapp\space\thechapter}%
505
                             \addcontentsline{toc}{section}%
506
                                        {\@chapapp\space\thechapter: ##1}%
507
                        \else
508
                          \addcontentsline{toc}{chapter}{##1}%
509
                        \fi
510
                        \chaptermark{##1}%
511
                          \if@twocolumn
512
                          \@topnewpage[\@makechapterhead{##2}]%
513
514
515
                          \@makechapterhead{##2}%
516
                          \@afterheading
                        fi
517
 Now things are redefined a special page just for the chapter heading.
518 \def\@makechapterhead##1{%
     \vspace*{1in}%
519
     {\parindent \z@ \centering \normalfont
520
521
       \ifnum \c@secnumdepth >\m@ne
522
           \bfseries \@chapapp\ \thechapter\@\par
523
       \fi
524
       \ \vskip 40\p@
525
       \bfseries \MakeUppercase##1\par\nobreak
526
       \clearpage
527
     }}
528 }
529 \setlength\arraycolsep{5\p0}
530 \setlength\tabcolsep{6\p0}
531 \setlength\arrayrulewidth{.4\p0}
532 \setlength\doublerulesep{2\p0}
533 \setlength\tabbingsep{\labelsep}
534 \skip\@mpfootins = \skip\footins
535 \setlength\fboxsep{3\p0}
```

536 \setlength\fboxrule{.4\p0}
537 \@addtoreset {equation}{chapter}

```
{\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.
540 \newcounter{figure}
541 \def\fps@figure{tbp}
542 \def\ftype@figure{1}
543 \def\ext@figure{lof}
544 \def\fnum@figure{\underline{\figurename~\thefigure.}}
545 \newenvironment{figure}
546
                   {\@float{figure}}
547
                   {\end@float}
548 \newenvironment{figure*}
                   {\@dblfloat{figure}}
549
                   {\end@dblfloat}
550
 Reconfigured table counter to number for the entire document, not per chapter.
 (Bits of report.cls removed)
551 \newcounter{table}
552 \def\fps@table{tbp}
553 \def\ftype@table{2}
554 \def\ext@table{lot}
555 \def\fnum@table{\underline{\tablename~\thetable.}}
556 \newenvironment{table}
557
                   {\@float{table}}
                   {\end@float}
558
559 \newenvironment{table*}
560
                   {\@dblfloat{table}}
561
                   {\end@dblfloat}
562 \newlength\abovecaptionskip
563 \newlength\belowcaptionskip
564 \setlength\abovecaptionskip{10\p0}
565 \setlength\belowcaptionskip{0\p0}
566 \log\left(\frac{makecaption}{1}\right)
     \vskip\abovecaptionskip
567
568
     \sbox\@tempboxa{#1 #2}%
     \ifdim \wd\@tempboxa >\hsize
569
570
       #1 #2\par
571
     \else
        \global \@minipagefalse
572
        \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
573
574
     \vskip\belowcaptionskip}
576 \DeclareOldFontCommand{\rm}{\normalfont\rmfamily}{\mathrm}
577 \DeclareOldFontCommand{\sf}{\normalfont\sffamily}{\mathsf}
578 \end{\text{\command}\tt}{\command}\tt}{\command}\ttfamily}{\command}\tt}
579 \DeclareOldFontCommand{\bf}{\normalfont\bfseries}{\mathbf}
580 \DeclareOldFontCommand{\it}{\normalfont\itshape}{\mathit}
```

538 \renewcommand\theequation

```
581 \end{\colored} \label{lem:command} $$11 \end{\colored} \colored{\colored} $$11 \end{\colored} $$11 \
582 \label{lem:schape} $$ 582 \end{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\command{\c
583 \verb|\DeclareRobustCommand*\cal{\colored}|
584 \label{lem:command*} $100 \times \operatorname{local} \mathbb{C}^{00} = \mathbb{C}^{00} 
585 \newcommand\@pnumwidth{1.55em}
586 \newcommand\@tocrmarg{2.55em}
587 \newcommand\@dotsep{4.5}
588 \setcounter{tocdepth}{2}
589 \newcommand\tableofcontents{%
                                  \if@twocolumn
590
                                          \@restonecoltrue\onecolumn
591
592
                                  \else
                                          \@restonecolfalse
593
594
                                  \chapter*{\contentsname
595
                                                    \@mkboth{%
596
                                                                 \MakeUppercase\contentsname}{\MakeUppercase\contentsname}}%
597
                                  \@starttoc{toc}%
598
599
                                  \if@restonecol\twocolumn\fi
600
                                 }
601 \newcommand*\l@part[2]{%
                        \ifnum \c@tocdepth >-2\relax
602
                                  \addpenalty{-\@highpenalty}%
603
                                  \addvspace{2.25em \@plus\p@}%
604
605
                                  \begingroup
                                           \parindent \z@ \rightskip \@pnumwidth
606
                                            \parfillskip -\@pnumwidth
607
608
                                          {\leavevmode
                                                \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
609
                                                \nobreak
610
                                                        \global\@nobreaktrue
611
612
                                                        \everypar{\global\@nobreakfalse\everypar{}}%
613
                                  \endgroup
                        \fi}
614
   Here we setup table of contents.
615 \mbox{ } \mbox{0chapter{\vspace{1em}\dottedtocline{0}{0em}{4em}}}
616 \newcommand*\l@section{\@dottedtocline{1}{5.5em}{2.3em}}
617 \mbox{ } 10 \mbox{ } 00 \mbox{ } 17 \mbox{ } 10 
618 \newcommand*\l@subsubsection{\@dottedtocline{3}{11.0em}{4.1em}}
619 \newcommand*\l@paragraph{\@dottedtocline{4}{14em}{5em}}
620 \end{*}\label{loss} $$620 \end{*}$$620 \end{*}$$620 \end{*}
   List of illustrations modified to appear in the table of contents.
621 \newcommand\listofillustrations{%
                                  \setcounter{secnumdepth}{-1}
622
623
                                  \chapter{\listillusname%
624
                                          \@mkboth{\MakeUppercase\listillusname}%
                                                                                {\MakeUppercase\listillusname}}%
625
626 \begin{doublespace}%
627 \begin{raggedright}%
```

```
628 \textbf{\underline{Figures}\hfill\underline{Page}}%
629 \end{raggedright}%
630 \@starttoc{lof}%
631 \vspace{2em}
632 \begin{raggedright}%
633 \textbf{\underline{Tables}\hfill\underline{Page}}%
634 \end{raggedright}%
635 \@starttoc{lot}%
636 \end{doublespace}
637 \setcounter{secnumdepth}{0}
638 }
639 \newcommand*\l0figure{\0dottedtocline{1}\{0em\}\{2.3em\}\}
640 \let\l@table\l@figure
641 \newdimen\bibindent
642 \setlength\bibindent{1.5em}
643 \newenvironment{thebibliography}[1]
        {\chapter*{\bibname
644
           645
646
         \list{\@biblabel{\@arabic\c@enumiv}}%
647
              {\settowidth\labelwidth{\@biblabel{#1}}%
               \leftmargin\labelwidth
648
               \advance\leftmargin\labelsep
649
               \@openbib@code
650
               \usecounter{enumiv}%
651
652
               \let\p@enumiv\@empty
653
               \renewcommand\theenumiv{\@arabic\c@enumiv}}%
654
         \sloppy
         \clubpenalty4000
655
         \@clubpenalty \clubpenalty
656
         \widowpenalty4000%
657
         \sfcode '\.\@m}
658
659
        {\def\@noitemerr
660
          {\@latex@warning{Empty 'thebibliography' environment}}%
661
         \endlist}
662 \verb|\newcommand\newblock{\hskip .11em@plus.33em@minus.07em}|
663 \let\@openbib@code\@empty
664 \newenvironment{theindex}
                  {\if@twocolumn
665
666
                     \@restonecolfalse
                   \else
667
668
                     \@restonecoltrue
                   \fi
669
                   \columnseprule \z@
670
                   \columnsep 35\p@
671
672
                   \twocolumn[\@makeschapterhead{\indexname}]%
673
                   \@mkboth{\MakeUppercase\indexname}%
674
                           {\MakeUppercase\indexname}%
675
                   \thispagestyle{plain}\parindent\z@
676
                   \parskip\z0 \plus .3\p0\relax
                   \let\item\@idxitem}
677
```

```
{\if@restonecol\onecolumn\else\clearpage\fi}
679 \newcommand\@idxitem{\par\hangindent 40\p@}
680 \newcommand\subitem{\@idxitem \hspace*{20\p@}}
681 \newcommand\subsubitem{\@idxitem \hspace*{30\p@}}
682 \end{\command\indexspace{par \vskip 10\p0 \clus5\p0 \clus3\p0\relax}} \label{eq:command}
683 \renewcommand\footnoterule{%
684
     \mbox{kern-3}p0
     \hrule\@width.4\columnwidth
685
     \mbox{kern2.6}p0
686
687 \@addtoreset{footnote}{chapter}
688 \newcommand\@makefntext[1]{%
689
        \parindent 1em%
690
        \noindent
        \hb@xt@1.8em{\hss\@makefnmark}#1}
691
 Kettering requires that these be all caps. While we do have automatic uppercasing
in spots, it's best to cover all the bases.
692 \newcommand\contentsname{TABLE OF CONTENTS}
693 \mbox{ } \mbox{\footnote{listillusname{LIST OF ILLUSTRATIONS}}}
694 \newcommand\bibname{REFERENCES}
                                                  % APA format!
695 \newcommand\indexname{INDEX}
696 \newcommand\figurename{Figure}
697 \newcommand\tablename{Table}
698 \newcommand\partname{PART}
699 \newcommand\chaptername{Chapter}
700 \newcommand\appendixname{APPENDIX}
701 \newcommand\appendixtocname{APPENDICES}
702 \newcommand\prefacename{PREFACE}
703 \def\today{\ifcase\month\or
     January\or February\or March\or April\or May\or June\or
704
     July\or August\or September\or October\or November\or December\fi
705
     \space\number\day, \number\year}
707 \setlength\columnsep{10\p0}
708 \setlength\columnseprule{0\p0}
709 \pagestyle{plain}
 The thesis begins with Roman page numerals, and continues with Arabic. Some
 sections in the front are double-spaced.
710 \pagenumbering{roman}
711 \newcommand\begincontent{
712 \clearpage
713 \pagenumbering{arabic}
714 \doublespacing
715 }
 Margin Setup
716 \setlength{\oddsidemargin}{.5 in}
717 \setlength{\footskip}{.5 in}
718 \setlength{\textheight}{9 in}
719 \setlength{\textwidth}{6 in}
720 \setlength{\topmargin}{Opt}
```

```
721 \setlength{\headheight}{Opt}
722 \setlength{\headsep}{0pt}
723 \ensuremath{\ensuremath{\voffset}{0pt}}
724 \setlength{\hoffset}{Opt}
725 \setlength{\textheight}{9in}
726
727
728 \if@twoside
729 \else
     \raggedbottom
730
731 \fi
732 \if@twocolumn
    \twocolumn
733
     \sloppy
     \flushbottom
735
736 \else
737 \onecolumn
738 \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 unneccesary bits.

```
739 %
740 % Save file as: ENDNOTES.STY
741 % modified by --bg (B.Gaulle) 09/14/94 for:
742 %
                 1) replace (why a 8bit char here?) by ^ as a default.
                 2) force \catcode of > to be 12 (implied by \@doanenot).
743 %
            by --bg again 03/22/95 for:
744 %
745 %
                 3) reseting appropriate catcode of > in case it were
746 %
                    used as an active char before \@endanenote (was
                    pointed by Ch. Pallier).
748 %%% free to distribute by John_Lavagnino@Brown.edu on Thu, 23 Mar 1995
750 %
751 %
          ************
752 %
                       ENDNOTES
753 %
          ************
754 %
755 % Date of this version: 24 September 1991.
756 %
757 % Based on the FOOTNOTES section of
     LATEX.TEX (VERSION 2.09 - RELEASE OF 19 April 1986), with
758 %
     "footnote" changed to "endnote" and "fn" changed to "en" (where
759 %
760 %
     appropriate), with all the minipage stuff pulled out, and with
761 %
     some small changes for the different operation of endnotes.
762 %
763 \% Uses an extra external file, with .ENT extension, to hold the
764 % text of the endnotes. This may be deleted after the run; a new
765 % version is generated each time.
766 %
```

```
767 % This code does not obey \nofiles. Perhaps it should.
768 %
769 %
       John Lavagnino (lav@brandeis.bitnet), 9/23/88
770 %
      Department of English and American Literature,
          Brandeis University
771 %
772 %
773 % To turn all the footnotes in your documents into endnotes, say
774 %
         \let\footnote=\endnote
775 %
776 %
777 %
      in your preamble, and then add something like
778 %
779 %
         \newpage
780 %
         \begingroup
781 %
         \parindent Opt
         \parskip 2ex
782 %
783 %
         \def\enotesize{\normalsize}
784 %
         \theendnotes
785 %
         \endgroup
786 %
787 \% as the last thing in your document.
788 %
789 %
           ***********
                       CHANGE LOG
790 %
           ***********
791 %
792 %
793 % JL Modified to include \addtoendnotes. JL, 10/22/89.
794 %
795 % JK Modification by J"org Knappen 25. 2. 1991:
796 % JK
797 % JK Introduced \notesname in the spirit of international \LaTeX.
798 \% JK \notesname is set per default to be {Notes}, but can easily
799 % JK be redifined, e.g. for german language
800 % JK \renewcommand{\notesname}{Anmerkungen}
801 %
802 % DW Modification by Dominik Wujastyk, London, 19 September 1991:
803 % DW
804 \% DW Moved the line
805 % DW
               \edef\@currentlabel{\csname p@endnote\endcsname\@theenmark}
806\ \% DW out of the definition of \ensuremath{\mbox{\tt Qend}}notetext and into the definition
807\,\% DW of \@doanenote so that \label and \ref commands work correctly in
808 % DW endnotes. Otherwise, the \label just pointed to the last section
809 \% DW heading (or whatever) preceding the \theendnotes command.
810 %
811 % JL Revised documentation and macros. 24 Sept 1991.
812 %
813 %
                 ENDNOTE COMMANDS
814 %
815 %
           ***********
816 %
```

```
817 %
818 %
       \endnote{NOTE}
                           : User command to insert a endnote.
819 %
820 %
       \endnote[NUM]{NOTE} : User command to insert a endnote numbered
821 %
                              NUM, where NUM is a number -- 1, 2,
822 %
                              etc. For example, if endnotes are numbered
823 %
                              *, **, etc. within pages, then \endnote[2]{...}
                              produces endnote '**'. This command does not
824 %
825 %
                              step the endnote counter.
826 %
827 %
       \endnotemark[NUM]
                           : Command to produce just the endnote mark in
                              the text, but no endnote. With no argument,
828 %
829 %
                              it steps the endnote counter before generating
830 %
                              the mark.
831 %
       \endnotetext[NUM]{TEXT} : Command to produce the endnote but no
832 %
833 %
                                 mark. \endnote is equivalent to
834 %
                                 \endnotemark \endnotetext .
835 %
836 %
       \addtoendnotes{TEXT} : Command to add text or commands to current
                                 endnotes file: for inserting headings,
837 %
838 %
                                 pagebreaks, and the like into endnotes
839 %
                                 sections. TEXT a moving argument:
840 %
                                 \protect required for fragile commands.
841 %
842 %
           ***********
843 %
                   ENDNOTE USER COMMANDS
           ***********
844 %
845 %
846 %
       Endnotes use the following parameters, similar to those relating
847 %
       to footnotes:
848 %
849 %
       \enotesize
                   : Size-changing command for endnotes.
850 %
851 %
       \theendnote : In usual LaTeX style, produces the endnote number.
852 %
853 %
       \Othermark: Holds the current endnote's mark--e.g., \dag or '1' or 'a'.
854 %
855 %
       \@makeenmark : A macro to generate the endnote marker from \@theenmark
856 %
                     The default definition is \hbox{$^\circ\def}.
857 %
858 %
       \@makeentext{NOTE} :
859 %
           Must produce the actual endnote, using \Otheenmark as the mark
860 %
            of the endnote and NOTE as the text. It is called when effectively
861 %
            inside a \parbox, with \hsize = \columnwidth. For example, it might
862 %
           be as simple as
863 %
                   $^{\@theenmark}$ NOTE
864 %
865 %
866 %
           ***********
```

```
867 %
                    ENDNOTE PSEUDOCODE
           ***********
868 %
869 %
870 % \endnote{NOTE} ==
871 % BEGIN
872 %
        \stepcounter{endnote}
873 %
        \Otheenmark :=G eval (\theendnote)
        \@endnotemark
874 %
        \@endnotetext{NOTE}
875 %
876 %
      END
877 %
878 % \endnote[NUM]{NOTE} ==
879 % BEGIN
880 %
        begingroup
           counter endnote :=L NUM
881 %
882 %
           \Otheenmark :=G eval (\theendnote)
883 %
        endgroup
884 %
        \@endnotemark
885 %
        \@endnotetext{NOTE}
886 % END
887 %
888 % \@endnotetext{NOTE} ==
889 % BEGIN
        write to \@enotes file: "\@doanenote{ENDNOTE MARK}"
890 %
891 %
        begingroup
892 %
           \next := NOTE
893 %
           set \newlinechar for \write to \space
894 %
           write to \@enotes file: \meaning\next
895 %
                   (that is, "macro:->NOTE)
896 %
        endgroup
897 % END
898 %
899 % \addtoendnotes{TEXT} ==
900 % BEGIN
901 %
        open endnotes file if not already open
        begingroup
902 %
903 %
           let \protect to \string
           set \newlinechar for \write to \space
904 %
905 %
           write TEXT to \@enotes file
906 %
        endgroup
907 %
      END
908 %
909 % \endnotemark
910 % BEGIN \stepcounter{endnote}
911 %
            \Otheenmark :=G eval(\theendnote)
912 %
            \@endnotemark
913 % END
914 %
915 % \endnotemark[NUM] ==
916 %
     BEGIN
```

```
917 %
           begingroup
918 %
              endnote counter :=L NUM
             \@theenmark :=G eval(\theendnote)
919 %
920 %
            endgroup
            \@endnotemark
921 %
922 %
       END
923 %
924 % \@endnotemark ==
925 %
       BEGIN
        \leavevmode
926 %
        IF hmode THEN \ensuremath{\texttt{Qx@sf}} := \the\spacefactor FI
927 %
                               % put number in main text
928 %
        \@makeenmark
929 %
        IF hmode THEN \spacefactor := \@x@sf FI
930 %
931 %
932 % \endnotetext
        BEGIN \@theenmark :=G eval (\theendnote)
933 %
               \@endnotetext
934 %
935 %
        END
936 %
937 % \endnotetext[NUM] ==
938 %
        BEGIN begingroup counter endnote :=L NUM
                            \@theenmark :=G eval (\theendnote)
939 %
940 %
               {\tt endgroup}
941 %
               \@endnotetext
        END
942 %
943 %
944 %
945 %
                        ENDNOTE MACROS
946 %
            ***********
947 %
948
949 \@definecounter{endnote}
950 \def\theendnote{\arabic{endnote}}
951
952 % Default definition
953 \end{cmakeenmark} \hbox{$^{\Omega }}
954
955 \newdimen\endnotesep
956
957 \def\endnote{\@ifnextchar[{\@xendnote}{\stepcounter
958
      {endnote}\xdef\@theenmark{\theendnote}\@endnotemark\@endnotetext}}
959
960 \def\@xendnote[#1]{\begingroup \c@endnote=#1\relax
961
      \verb|\def|@theenmark{\theendnote}| endgroup|
962
      \@endnotemark\@endnotetext}
963
964\,\% Here begins endnote code that's really different from the footnote
965 % code of LaTeX.
966
```

```
967 \let\@doanenote=0
968 \let\@endanenote=0
969
970 \newwrite\@enotes
971 \newif\if@enotesopen \global\@enotesopenfalse
973 \def\@openenotes{\immediate\openout\@enotes=\jobname.ent\relax
974
          \global\@enotesopentrue}
975
976\,\% The stuff with \next and \meaning is a trick from the TeXbook, 382,
977 % there intended for setting verbatim text, but here used to avoid
978 % macro expansion when the footnote text is written. \next will have
979 % the entire text of the footnote as one long line, which might well
980 % overflow limits on output line length; the business with \newlinechar
981 % makes every space become a newline in the \@enotes file, so that all
982\;\text{\%} of the lines wind up being quite short.
983
984 \long\def\@endnotetext#1{%
985
         \if@enotesopen \else \@openenotes \fi
986
         \immediate\write\@enotes{\@doanenote{\@theenmark}}%
987
         \begingroup
            \def\next{#1}%
988
            \newlinechar='40
989
            \immediate\write\@enotes{\meaning\next}%
990
991
992
         \immediate\write\@enotes{\@endanenote}}
994\,\% \addtoendnotes works the way the other endnote macros probably should
995 % have, requiring the use of \protect for fragile commands.
996
997 \long\def\addtoendnotes#1{%
998
         \if@enotesopen \else \@openenotes \fi
999
         \begingroup
            \newlinechar='40
1000
1001
            \let\protect\string
1002
            \immediate\write\@enotes{#1}%
         \endgroup}
1003
1004
       End of unique endnote code
1005 %
1007 \def\endnotemark{\@ifnextchar[{\@xendnotemark
1008
        }{\stepcounter{endnote}\xdef\@theenmark{\theendnote}\@endnotemark}}
1009
1010 \def\@xendnotemark[#1]{\begingroup \c@endnote #1\relax
1011
       \xdef\@theenmark{\theendnote}\endgroup \@endnotemark}
1012
1013 \def\@endnotemark{\leavevmode\ifhmode
1014
      \edef\@x@sf{\the\spacefactor}\fi \@makeenmark
1015
       \ifhmode\spacefactor\@x@sf\fi\relax}
1016
```

```
1017 \def\endnotetext{\@ifnextchar
        [{\@xendnotenext}{\xdef\@theenmark{\theendnote}\@endnotetext}}
1018
1019
1020 \def\@xendnotenext[#1]{\begingroup \c@endnote=#1\relax
       \xdef\@theenmark{\theendnote}\endgroup \@endnotetext}
1021
1022
1023
1024 % \theendnotes actually prints out the endnotes.
1025
1026 % Endnotes auto-renumber at the end of each chapter (or actually, when
1027 % they're printed...)
1028 % \enoteformat is provided so user can specify some special formatting
1029~\% for the endnotes. It needs to set up the paragraph parameters, start
1030 \% the paragraph, and print the label. The \leavemode stuff is to make
1031 % and undo a dummy paragraph, to get around the games \section*
1032 \% plays with paragraph indenting.
1033
1034 \def\notesname{NOTES}% <---- AE
1035 \def\enoteheading{\chapter*{\notesname
      \Omkboth{\uppercase{\notesname}}}\uppercase{\notesname}}}\%
1037
         \leavevmode\par\vskip-\baselineskip}
1038
1039 \def\enoteformat{\vspace{\baselineskip}\rightskip\z@ \leftskip\z@ \parindent=1.8em
         \leavevmode\llap{\hbox{$^{\@theenmark}$}}}
1040
1041
1042 \def\enotesize{\normalsize}
1044 % The definition of \ETC. is needed only for versions of TeX prior
1045\,\% to 2.992. Those versions limited \meaning expansions to 1000
1046\,\% characters; in 2.992 and beyond there is no limit. At Brandeis the
1047\,\% BIGLATEX program changed the code in the token_show procedure of
1048\;\text{\%} TeX to eliminate this problem, but most ''big'' versions of TeX
1049 \% will not solve this problem.
1050
1051 \def\theendnotes{\immediate\closeout\@enotes \global\@enotesopenfalse
      \begingroup
1052
        \makeatletter
1053
1054 % the following is to save catcode of "'>" and restore it in \@endanenote
1055 \edef\@tempa{'\string >}%
1056 \ifnum\catcode\@tempa=11\let\@ResetGT\relax% accepts also that > were active
1057
     \else\edef\@ResetGT{\noexpand\catcode\@tempa=\the\catcode\@tempa}%
1058 \fi%
        \catcode'>=12% char > will be read as char so force it to \catcode 12 --bg\edef\GOfrench{'\
1059
        \def\@doanenote##1##2>{\def\@theenmark{##1}\par\begingroup
1060
1061
            \@ResetGT%\catcode'>=13
1062
            \edef\@currentlabel{\csname p@endnote\endcsname\@theenmark} %DW
1063
            \enoteformat}
1064
        \def\@endanenote{\par\endgroup}%
        \def\ETC.{\errmessage{Some long endnotes will be truncated; %
1065
1066
                                 use BIGLATEX to avoid this}%
```

```
\def\ETC.{\relax}}
1067
1068
        \clearpage
1069
        \enoteheading
        \enotesize
1070
        \begin{singlespacing}
1071
        \input{\jobname.ent}%
1072
        \end{singlespacing}
1073
      \endgroup
1074
1075
     \setcounter{endnote}{0}}
1076 \endinput
```