kuthesis.dtx*

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Abstract

Kuthesis.dtx is a style file for the Kettering University Thesis Format for LaTeX. 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 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 LaTeX 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.

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*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 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 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 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}[2000/05/29 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 \renewcommand{\author}[1]{\ifx\empty#1\else\gdef\@author{#1}\fi}
140 \renewcommand{\title}[1]{\ifx\empty#1\else\gdef\@title{#1}\fi}
141 \newcommand{\gdate}[1]{\ifx\empty#1\else\gdef\@gdate{#1}\fi}
142
143 \global\def\@employer{\mbox{}}
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}
151    \setcounter{page}{1}
```

Set the line spacing to 1 for the title page.

```
152    \begin{spacing}{1}
153    \begin{center}
154       \mbox{}
155       \vfill
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 of \\
186        \vspace{1em}
187        \textbf{BACHELOR OF SCIENCE IN \MakeUppercase{\@department}} \\
188        \vspace{3em}
189        \ifstrequal{#1}{eship}
190        {}
191        {by \\
192         \vspace{1em}
193         \textbf{\MakeUppercase{{\@author}}}\\
194        }
195        \vspace{1em}
196        {\@gdate} \\
197        \vspace{1in}
198     \end{center}
199
200     \begin{flushright}
201
202
203     \begin{tabular}{@{}l}
204     \\ \hline
205     Student    \\
206     \\
207     \\ \hline
208     \ifstrequal{#1}{coop}{Employer Thesis Advisor~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~}{}
209 \ifstrequal{#1}{research}{Faculty Thesis Advisor~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~}{}
210 \ifstrequal{#1}{pp}{Company Liaison~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~}{}
```

```latex
211 \ifstrequal{#1}{eship}{Faculty Thesis Advisor~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~}{} \\
212     \\
213     \\ \hline
214     \ifstrequal{#1}{coop}{Faculty Thesis Advisor}{}
215 \ifstrequal{#1}{research}{Committee Member}{}
216 \ifstrequal{#1}{pp}{Faculty Thesis Advisor}{}
217 \ifstrequal{#1}{eship}{Committee Member}{} \\
218     \end{tabular}
219
220
221     \end{flushright}
222     \end{spacing}
223     \end{titlepage}
224     \setcounter{page}{2}
225     \setcounter{secnumdepth}{-1}
226
227     \chapter{DISCLAIMER}
228     \begin{doublespace}
229     \par
230     This thesis is being submitted as partial fulfillment of the
231     graduation requirements of Kettering University needed
232     to obtain a Bachelor of Science in {\@department} Degree.
233     \par
234     The conclusions and opinions expressed in this thesis are those
235     of the student author and do not necessarily represent the position
236     of Kettering University or anyone else affiliated with this
237     culminating undergraduate experience.
238     \end{doublespace}
239 }%\maketitle
240
241 \newcommand*\chaptermark[1]{}
```

Chapters are the only numbered objects, and they use Roman numerals. Roman numerals are set below.

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

```
308 \newcommand\chapter{\if@openright\cleardoublepage\else\clearpage\fi
309                     \thispagestyle{plain}%
310                     \global\@topnum\z@
311                     \@afterindentfalse
312                     \secdef\@chapter\@schapter}
```

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
314                     \refstepcounter{chapter}%
315                     \typeout{\@chapapp\space\thechapter.}%
316                     \addcontentsline{toc}{chapter}%
317                             {\protect\numberline{\thechapter\@.}\MakeUppercase{#1}}%
318                 \else
319                   \addcontentsline{toc}{chapter}{\MakeUppercase{#1}}%
320                 \fi
321                 \chaptermark{#1}%
322                 \if@twocolumn
323                   \@topnewpage[\@makechapterhead{#2}]%
324                 \else
325                   \@makechapterhead{#2}%
326                   \@afterheading
327                 \fi}
```

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

```
328 \def\@makechapterhead#1{%
329   \vspace*{1in}%
330   {\parindent \z@ \centering \normalfont
331     \ifnum \c@secnumdepth >\m@ne
332         \bfseries \thechapter.\enspace
333     \fi
334     \bfseries\MakeUppercase{#1}\par\nobreak
335     \vskip 40\p@
336   }}
337 \def\@makeschapterhead#1{%
338   \vspace*{1in}%
339   {\parindent \z@ \centering
340     \normalfont
341     \interlinepenalty\@M
342     \bfseries\MakeUppercase{#1}\par\nobreak
343     \vskip 40\p@
344   }}
345 \def\@schapter#1{\if@twocolumn
346                     \@topnewpage[\@makeschapterhead{#1}]%
347                 \else
348                     \@makeschapterhead{#1}%
349                     \@afterheading
350                 \fi}
```

The format requires underlined section headers.

```latex
351 \newcommand\section{\@startsection{section}{1}{0mm}%
352                                    {3.5ex \@plus 1ex \@minus .2ex}%
353                                    {2.3ex \@plus.2ex}%
354                                    {\raggedright\normalsize\bfseries\underline}}%
355 \newcommand\subsection{\@startsection{subsection}{2}{0mm}%
356                                     {3.25ex\@plus 1ex \@minus .2ex}%
357                                     {1.5ex \@plus .2ex}%
358                                     {\normalfont\normalsize\bfseries\underline}}%
359 \newcommand\subsubsection{\@startsection{subsubsection}{3}{0mm}%
360                                     {3.25ex\@plus 1ex \@minus .2ex}%
361                                     {1.5ex \@plus .2ex}%
362                                     {\normalfont\normalsize\bfseries\underline}}%
363 \newcommand\paragraph{\@startsection{paragraph}{4}{\z@}%
364                                     {3.25ex \@plus1ex \@minus.2ex}%
365                                     {-1em}%
366                                     {\normalfont\normalsize\bfseries}}
367 \newcommand\subparagraph{\@startsection{subparagraph}{5}{\parindent}%
368                                       {3.25ex \@plus1ex \@minus .2ex}%
369                                       {-1em}%
370                                       {\normalfont\normalsize\bfseries}}
371 \if@twocolumn
372   \setlength\leftmargini  {2em}
373 \else
374   \setlength\leftmargini  {2.5em}
375 \fi
376 \leftmargin  \leftmargini
377 \setlength\leftmarginii  {2.2em}
378 \setlength\leftmarginiii {1.87em}
379 \setlength\leftmarginiv  {1.7em}
380 \if@twocolumn
381   \setlength\leftmarginv  {.5em}
382   \setlength\leftmarginvi {.5em}
383 \else
384   \setlength\leftmarginv  {1em}
385   \setlength\leftmarginvi {1em}
386 \fi
387 \setlength  \labelsep  {.5em}
388 \setlength  \labelwidth{\leftmargini}
389 \addtolength\labelwidth{-\labelsep}
390 \@beginparpenalty -\@lowpenalty
391 \@endparpenalty   -\@lowpenalty
392 \@itempenalty     -\@lowpenalty
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.}
```

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

```
451        \setcounter{page}\z@
452     }%
453     {\if@restonecol\twocolumn \else \newpage \fi
454     }
455 \else
456 \newenvironment{titlepage}
457     {%
458       \if@twocolumn
459         \@restonecoltrue\onecolumn
460       \else
461         \@restonecolfalse\newpage
462       \fi
463       \thispagestyle{empty}%
464       \setcounter{page}\@ne
465     }%
466     {\if@restonecol\twocolumn \else \newpage \fi
467      \if@twoside\else
468         \setcounter{page}\@ne
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 \newcommand\appendix{\par
473   \thispagestyle{plain}%
474   \if@twocolumn\onecolumn\@tempswatrue\else\@tempswafalse\fi
475   \markboth{}{}%
476   {\setcounter{secnumdepth}{-1}
477   \chapter{\appendixtocname}
478   \setcounter{secnumdepth}{0}}%
479   \vfil\newpage
480   \if@twoside
481     \if@openright
482       \null
483       \thispagestyle{empty}%
484       \newpage
485     \fi
486   \fi
487   \if@tempswa
488     \twocolumn
489   \fi
490
491   \setcounter{section}{0}
492   \setcounter{chapter}{0}
493   \renewcommand\@chapapp{\appendixname}
```

```
494  \renewcommand\thechapter{\@Alph\c@chapter}
495  \let\oldacl@pp=\addcontentsline
496  \def\addcontentsline##1##2##3{%
497    \ifthenelse{\equal{##1}{toc}}{%
498      \ifthenelse{\equal{##2}{chapter}}{%
499        \addtocontents{##1}{\protect\contentsline{##2}%
500                         {\appendixname\space ##3}{\thepage}}}%
501      {\oldacl@pp{##1}{##2}{##3}}}%
502    {\oldacl@pp{##1}{##2}{##3}}}}
```

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}%
505                       \typeout{\@chapapp\space\thechapter}%
506                       \addcontentsline{toc}{section}%
507                               {\@chapapp\space\thechapter: ##1}%
508                 \else
509                   \addcontentsline{toc}{chapter}{##1}%
510                 \fi
511                 \chaptermark{##1}%
512                   \if@twocolumn
513                   \@topnewpage[\@makechapterhead{##2}]%
514                 \else
515                   \@makechapterhead{##2}%
516                   \@afterheading
517                 \fi}
```

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

```
518 \def\@makechapterhead##1{%
519   \vspace*{1in}%
520   {\parindent \z@ \centering \normalfont
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\p@}
530 \setlength\tabcolsep{6\p@}
531 \setlength\arrayrulewidth{.4\p@}
532 \setlength\doublerulesep{2\p@}
533 \setlength\tabbingsep{\labelsep}
534 \skip\@mpfootins = \skip\footins
535 \setlength\fboxsep{3\p@}
536 \setlength\fboxrule{.4\p@}
537 \@addtoreset {equation}{chapter}
```

```
538 \renewcommand\theequation
539   {\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*}
549               {\@dblfloat{figure}}
550               {\end@dblfloat}
```

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}}
558               {\end@float}
559 \newenvironment{table*}
560               {\@dblfloat{table}}
561               {\end@dblfloat}
562 \newlength\abovecaptionskip
563 \newlength\belowcaptionskip
564 \setlength\abovecaptionskip{10\p@}
565 \setlength\belowcaptionskip{0\p@}
566 \long\def\@makecaption#1#2{%
567   \vskip\abovecaptionskip
568   \sbox\@tempboxa{#1 #2}%
569   \ifdim \wd\@tempboxa >\hsize
570     #1 #2\par
571   \else
572     \global \@minipagefalse
573     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
574   \fi
575   \vskip\belowcaptionskip}
576 \DeclareOldFontCommand{\rm}{\normalfont\rmfamily}{\mathrm}
577 \DeclareOldFontCommand{\sf}{\normalfont\sffamily}{\mathsf}
578 \DeclareOldFontCommand{\tt}{\normalfont\ttfamily}{\mathtt}
579 \DeclareOldFontCommand{\bf}{\normalfont\bfseries}{\mathbf}
580 \DeclareOldFontCommand{\it}{\normalfont\itshape}{\mathit}
```

```
581 \DeclareOldFontCommand{\sl}{\normalfont\slshape}{\@nomath\sl}
582 \DeclareOldFontCommand{\sc}{\normalfont\scshape}{\@nomath\sc}
583 \DeclareRobustCommand*\cal{\@fontswitch\relax\mathcal}
584 \DeclareRobustCommand*\mit{\@fontswitch\relax\mathnormal}
585 \newcommand\@pnumwidth{1.55em}
586 \newcommand\@tocrmarg{2.55em}
587 \newcommand\@dotsep{4.5}
588 \setcounter{tocdepth}{2}
589 \newcommand\tableofcontents{%
590     \if@twocolumn
591       \@restonecoltrue\onecolumn
592     \else
593       \@restonecolfalse
594     \fi
595     \chapter*{\contentsname
596         \@mkboth{%
597            \MakeUppercase\contentsname}{\MakeUppercase\contentsname}}%
598     \@starttoc{toc}%
599     \if@restonecol\twocolumn\fi
600     }
601 \newcommand*\l@part[2]{%
602   \ifnum \c@tocdepth >-2\relax
603     \addpenalty{-\@highpenalty}%
604     \addvspace{2.25em \@plus\p@}%
605     \begingroup
606       \parindent \z@ \rightskip \@pnumwidth
607       \parfillskip -\@pnumwidth
608       {\leavevmode
609        \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
610        \nobreak
611          \global\@nobreaktrue
612          \everypar{\global\@nobreakfalse\everypar{}}%
613     \endgroup
614   \fi}
```

Here we setup table of contents.

```
615 \newcommand*\l@chapter{\vspace{1em}\@dottedtocline{0}{0em}{4em}}
616 \newcommand*\l@section{\@dottedtocline{1}{5.5em}{2.3em}}
617 \newcommand*\l@subsection{\@dottedtocline{2}{7.8em}{3.2em}}
618 \newcommand*\l@subsubsection{\@dottedtocline{3}{11.0em}{4.1em}}
619 \newcommand*\l@paragraph{\@dottedtocline{4}{14em}{5em}}
620 \newcommand*\l@subparagraph{\@dottedtocline{5}{16em}{6em}}
```

List of illustrations modified to appear in the table of contents.

```
621 \newcommand\listofillustrations{%
622     \setcounter{secnumdepth}{-1}
623     \chapter{\listillusname%
624       \@mkboth{\MakeUppercase\listillusname}%
625                {\MakeUppercase\listillusname}}%
626 \begin{doublespace}%
627 \begin{raggedright}%
```

```latex
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*\l@figure{\@dottedtocline{1}{0em}{2.3em}}
640 \let\l@table\l@figure
641 \newdimen\bibindent
642 \setlength\bibindent{1.5em}
643 \newenvironment{thebibliography}[1]
644     {\chapter*{\bibname
645        \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
646      \list{\@biblabel{\@arabic\c@enumiv}}%
647         {\settowidth\labelwidth{\@biblabel{#1}}%
648          \leftmargin\labelwidth
649          \advance\leftmargin\labelsep
650          \@openbib@code
651          \usecounter{enumiv}%
652          \let\p@enumiv\@empty
653          \renewcommand\theenumiv{\@arabic\c@enumiv}}%
654      \sloppy
655      \clubpenalty4000
656      \@clubpenalty \clubpenalty
657      \widowpenalty4000%
658      \sfcode`\.\@m}
659     {\def\@noitemerr
660      {\@latex@warning{Empty `thebibliography' environment}}%
661      \endlist}
662 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
663 \let\@openbib@code\@empty
664 \newenvironment{theindex}
665            {\if@twocolumn
666               \@restonecolfalse
667             \else
668               \@restonecoltrue
669             \fi
670             \columnseprule \z@
671             \columnsep 35\p@
672             \twocolumn[\@makeschapterhead{\indexname}]%
673             \@mkboth{\MakeUppercase\indexname}%
674                    {\MakeUppercase\indexname}%
675             \thispagestyle{plain}\parindent\z@
676             \parskip\z@ \@plus .3\p@\relax
677             \let\item\@idxitem}
```

```
678                {\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 \newcommand\indexspace{\par \vskip 10\p@ \@plus5\p@ \@minus3\p@\relax}
683 \renewcommand\footnoterule{%
684   \kern-3\p@
685   \hrule\@width.4\columnwidth
686   \kern2.6\p@}
687 \@addtoreset{footnote}{chapter}
688 \newcommand\@makefntext[1]{%
689     \parindent 1em%
690     \noindent
691     \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.

```
692 \newcommand\contentsname{TABLE OF CONTENTS}
693 \newcommand\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
704   January\or February\or March\or April\or May\or June\or
705   July\or August\or September\or October\or November\or December\fi
706   \space\number\day, \number\year}
707 \setlength\columnsep{10\p@}
708 \setlength\columnseprule{0\p@}
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}{0pt}
```

```
721 \setlength{\headheight}{0pt}
722 \setlength{\headsep}{0pt}
723 \setlength{\voffset}{0pt}
724 \setlength{\hoffset}{0pt}
725 \setlength{\textheight}{9in}
726
727
728 \if@twoside
729 \else
730   \raggedbottom
731 \fi
732 \if@twocolumn
733   \twocolumn
734   \sloppy
735   \flushbottom
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.
743 %                 2) force \catcode of > to be 12 (implied by \@doanenot).
744 %         by --bg again 03/22/95 for:
745 %                 3) reseting appropriate catcode of > in case it were
746 %                    used as an active char before \@endanenote (was
747 %                    pointed by Ch. Pallier).
748 %%%% free to distribute by John_Lavagnino@Brown.edu on Thu, 23 Mar 1995
749 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
750 %
751 %       ***************************************
752 %       *             ENDNOTES                *
753 %       ***************************************
754 %
755 %  Date of this version: 24 September 1991.
756 %
757 %  Based on the FOOTNOTES section of
758 %  LATEX.TEX (VERSION 2.09 - RELEASE OF 19 April 1986), with
759 %  "footnote" changed to "endnote" and "fn" changed to "en" (where
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,
771 %      Brandeis University
772 %
773 %  To turn all the footnotes in your documents into endnotes, say
774 %
775 %     \let\footnote=\endnote
776 %
777 %  in your preamble, and then add something like
778 %
779 %     \newpage
780 %     \begingroup
781 %     \parindent 0pt
782 %     \parskip 2ex
783 %     \def\enotesize{\normalsize}
784 %     \theendnotes
785 %     \endgroup
786 %
787 % as the last thing in your document.
788 %
789 %       ****************************************
790 %       *            CHANGE LOG               *
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 \@endnotetext 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 %       ****************************************
814 %       *         ENDNOTE COMMANDS             *
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]{...}
824 %                            produces endnote '**'.  This command does  not
825 %                            step the endnote counter.
826 %
827 %   \endnotemark[NUM]     : Command to produce just the endnote mark in
828 %                            the text, but no endnote.  With no argument,
829 %                            it steps the endnote counter before  generating
830 %                            the mark.
831 %
832 %   \endnotetext[NUM]{TEXT} : Command to produce the endnote but no
833 %                            mark.  \endnote is equivalent to
834 %                            \endnotemark \endnotetext .
835 %
836 %   \addtoendnotes{TEXT} : Command to add text or commands to current
837 %                            endnotes file: for inserting headings,
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 %   \@theenmark : 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{$^\@theenmark$}.
857 %
858 %   \@makeentext{NOTE} :
859 %       Must produce the actual endnote, using \@theenmark 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 %     \@theenmark :=G eval (\theendnote)
874 %     \@endnotemark
875 %     \@endnotetext{NOTE}
876 %  END
877 %
878 % \endnote[NUM]{NOTE} ==
879 %  BEGIN
880 %     begingroup
881 %        counter endnote :=L NUM
882 %        \@theenmark :=G eval (\theendnote)
883 %     endgroup
884 %     \@endnotemark
885 %     \@endnotetext{NOTE}
886 %  END
887 %
888 % \@endnotetext{NOTE} ==
889 %  BEGIN
890 %     write to \@enotes file: "\@doanenote{ENDNOTE MARK}"
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
902 %     begingroup
903 %        let \protect to \string
904 %        set \newlinechar for \write to \space
905 %        write TEXT to \@enotes file
906 %     endgroup
907 %  END
908 %
909 % \endnotemark      ==
910 %  BEGIN \stepcounter{endnote}
911 %        \@theenmark :=G eval(\theendnote)
912 %        \@endnotemark
913 %  END
914 %
915 % \endnotemark[NUM] ==
916 %   BEGIN
```

22

```
917 %        begingroup
918 %          endnote counter :=L NUM
919 %          \@theenmark :=G eval(\theendnote)
920 %        endgroup
921 %        \@endnotemark
922 %   END
923 %
924 % \@endnotemark ==
925 %   BEGIN
926 %    \leavevmode
927 %    IF hmode THEN \@x@sf := \the\spacefactor FI
928 %    \@makeenmark          % put number in main text
929 %    IF hmode THEN \spacefactor := \@x@sf FI
930 %   END
931 %
932 % \endnotetext       ==
933 %   BEGIN \@theenmark :=G eval (\theendnote)
934 %          \@endnotetext
935 %   END
936 %
937 % \endnotetext[NUM] ==
938 %   BEGIN begingroup  counter endnote :=L NUM
939 %                     \@theenmark :=G eval (\theendnote)
940 %          endgroup
941 %          \@endnotetext
942 %   END
943 %
944 %        ****************************************
945 %        *           ENDNOTE MACROS            *
946 %        ****************************************
947 %

949 \@definecounter{endnote}
950 \def\theendnote{\arabic{endnote}}

952 % Default definition
953 \def\@makeenmark{\hbox{$^{\@theenmark}$}}

955 \newdimen\endnotesep

957 \def\endnote{\@ifnextchar[{\@xendnote}{\stepcounter
958   {endnote}\xdef\@theenmark{\theendnote}\@endnotemark\@endnotetext}}

960 \def\@xendnote[#1]{\begingroup \c@endnote=#1\relax
961   \xdef\@theenmark{\theendnote}\endgroup
962   \@endnotemark\@endnotetext}

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
972
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 % 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
988        \def\next{#1}%
989        \newlinechar='40
990        \immediate\write\@enotes{\meaning\next}%
991     \endgroup
992     \immediate\write\@enotes{\@endanenote}}
993
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
1000        \newlinechar='40
1001        \let\protect\string
1002        \immediate\write\@enotes{#1}%
1003     \endgroup}
1004
1005 %  End of unique endnote code
1006
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
1018    [{\@xendnotenext}{\xdef\@theenmark{\theendnote}\@endnotetext}}
1019
1020 \def\@xendnotenext[#1]{\begingroup \c@endnote=#1\relax
1021    \xdef\@theenmark{\theendnote}\endgroup \@endnotetext}
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
1036    \@mkboth{\uppercase{\notesname}}{\uppercase{\notesname}}}%
1037       \leavevmode\par\vskip-\baselineskip}
1038
1039 \def\enoteformat{\vspace{\baselineskip}\rightskip\z@ \leftskip\z@ \parindent=1.8em
1040       \leavevmode\llap{\hbox{$^{\@theenmark}$}}}}
1041
1042 \def\enotesize{\normalsize}
1043
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 % 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
1052    \begingroup
1053       \makeatletter
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%
1059    \catcode`>=12% char > will be read as char so force it to \catcode 12 --bg\edef\GOfrench{`\
1060    \def\@doanenote##1##2>{\def\@theenmark{##1}\par\begingroup
1061       \@ResetGT%\catcode`>=13
1062       \edef\@currentlabel{\csname p@endnote\endcsname\@theenmark} %DW
1063       \enoteformat}
1064    \def\@endanenote{\par\endgroup}%
1065    \def\ETC.{\errmessage{Some long endnotes will be truncated; %
1066                          use BIGLATEX to avoid this}%
```

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