Edmargin: A Simple Design for Critical Editions with Multiple Endnote Series*

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Abstract

edmargin provides multiple endnotes sections with running headers of the form "Notes to pp. xx–yy" for critical editions. Rather than having endnote marks in the text, edmargin puts markers in the margins referring to the page in the endnotes sections to which the note refers.

Contents

1 Introduction **1**

2 Setup **2**

3 Predefined Endnote Sections **4**

4 Creating New Endnote Sections **4**

5 Using edmargin in a Multilingual World **6**

6 Customization **6**

7 Known Issues **7**

8 Implementation **7**
8.1 General Purpose Routines 7
8.2 Building Blocks 8
8.3 User Code 10

1 Introduction

edmargin provides a simple scheme for making critical editions. All critical editions provide several series of notes, such as notes about emendations, explanatory notes, and notes about the text. It is a common practice to tie these notes to line numbers in the text, whether typographical lines in prose text or verse lines

*This document corresponds to edmargin 1.02, dated 28 April 2008.

in poetry. Some editions of prose works enumerate sentences and paragraphs rather than lines, as the Bible does. All of these systems involve considerable amounts of laborious markup. edmargin provides a different system of annotation which minimizes markup, and also minimizes the possibilities of conflicts among commands. In the text, instead of placing a marker, or remembering the line or sentence number, edmargin simply places a mark in the margin (as for instance "c" for a commentary, "t" for a textual note, or "e" for an emendation) followed by the page number in the relevant endnotes section to which the note refers. So, for instance, if on page 42 of my text I have the anchor for an explanatory note which appears on page 563 of the endnotes section for explanatory notes, edmargin would put *c: p. 563* in the margin on page 42 of the line where that note occurs, and the text of the note would appear on p. 563, with a reference to the page in the text to which it occurs and a lemma drawn from that text. edmargin comes with three built in categories of endnotes (emendations, explanatory notes, textual notes), and facilities for easily constructing other categories of endnote. All of the endnote sections will have running headers of the form "Textual Notes to pp. xx–yy."

This scheme for a critical edition, while considerably simpler than the traditional schemes, does provide the information a critical edition requires, and should be easy for readers to use, provided that there are not many notes on every line. The scheme is modelled on that used by David V. Erdman and Harold Bloom in their edition of *The Complete Poetry and Prose of William Blake*. edmargin can also make notes with markers in the text, in the traditional fashion.

With the standard document classes, or the komascript classes, edmargin requires the following packages to work correctly: fancyhdr, ifthen (for comparing page numbers), needspace (to prevent widowed chapter titles in notes sections when resetting notes by chapter using either `\notesbychapter` or `\resetendnotes`), and titleref (to send the chapter titles to the notes section). Because the marginal references are set with `\marginpar` you should also call mparhack if you are setting with the "twoside" option. edmargin sets very narrow margin references (only 2em wide). If you are using marginpars for any other purpose, you may need to adjust the width, and monkey with the other parameters to make the marginal references on both sides look symmetrical. To change the width of the marginpars to 4em, issue `\setlength{\marginparwidth}{4em}`.

With memoir class, edmargin requires fewer packages, since many of the package functions are built into memoir and some, fancyhdr most especially, conflict with it. Minimally, you will need ifthen. You might wish to call memoir with the oldfontcommands option.

2 Setup

`\setupendnoteheaders` `\setupendnoteheaders` opens an external channel to receive each of the three preset kinds of endnote, opening external files for emendations, textual collations, and explanatory notes (with extensions .emd, .ent, and .enx respectively). Then it sets the first page of each notes section to the `empty` pagestyle, since you normally don't have running headers on the first page of a section. And it changes the pagestyle for subsequent pages to have a running header of the form "Notes to pages xx–yy." This text will appear in the center of each header. It also writes information to the external file which will send information to the table of contents

when the external file for the endnotes section is read back into your document. Each note written to the file increments a counter that keeps track of all the endnotes (even if you are resetting the number by chapter). edmargin creates two labels and two pagerefs for every note, a label and a pageref for each page in the main text *from* which a note comes, and a label and a pageref for each page in the notes sections *upon* which the note is written. Finally edmargin writes on the external file for the endnotes a command to update the running header for that page of the endnotes to be sure that it correctly reflects the pages in the main text from which the notes are drawn.

`\makeemendations` `\maketextnotes` `\makeexplanatorynotes`

You can use these commands individually to set up the predefined classes of endnote, rather than using `\setupendnoteheaders` to have edmargin put all three classes of notes in the backmatter of your volume. (This would be useful if you are not intending to make use of all three classes of note.)

`\putemendations` `\puttextnotes` `\putexplanatory`

`\puttextnotes`, `\putexplanatory`, or `\putemendation` read the external files back into your document at the place you specify. Remember that these commands change the page style, so if any sections that do not use the same type of running header follow these sections (the bibliography, for instance), be sure to restore your prevailing headings style by issuing, for example, `\pagestyle{headings}` `\thispagestyle{empty}`.

`\notesbychapter`

`\notesbychapter` resets the note counters for each kind of endnote and puts a centered line reading "Chapter <*chapter number*>: <*chapter title*>" in each of the three predefined sections of the the notes whenever `\chapter` is issued. If you want only the chapter number, not its title, issue `\titleinnotesfalse` in your preamble. Please note that with the standard classes edmargin modifies `\@chapter`, adding a few lines on to the end of the command. If some other package does the same, you may need to reconcile them. With memoir class, `\chapter` is modified only if `\notesbychapter` is issued.

`\setstyleforchapternotebegin` `\setstyleforchapternoteend`

`\setstyleforchapternotebegin` and `\setstyleforchapternoteend` allows you to customize the appearance of the line that separates chapters in the endnotes. If, for instance, rather having a centered line in the small font size, you want a flushleft line in the large fontsize, issue `\setstyleforchapternotebegin{\begin{flushleft}\large}` and `\setstyleforchapternoteend{\end{flushleft}}` in your preamble. To set these lines in italic or bold, issue `\setstyleforchapternotebegin{\em}` or `\setstyleforchapternotebegin{\bf}` in your preamble. (It's safe, indeed required, to use the old style font commands here, since the chapter title line in the notes is confined to a group, which restricts the scope of the font style command to the line.) If you are using memoir class, you should use the oldfontcommands option if you plan on issuing `\setstyleforchapternotebegin` and `\setstyleforchapternoteend`. Remember that if you open an environment with `\setstyleforchapternotebegin` you must close it in `\setstyleforchapternoteend`. So, for instance, if you wish the chapter line to be set flushleft, in boldface, in normal font size, you would issue `\setstyleforchapternotebegin{\begin{flushleft}\begin{bf}\normalsize}` and `\setstyleforchapternoteend{\end{bf}\end{flushleft}}` in your preamble.

`\resetendnotes`

Conceivably you might wish to do what `\notesbychapter` does for each chapter individually. For instance, there may be a chapter without endnotes, in which case `\notesbychapter` would issue the centered line for that chapter, but no notes would follow, which is ugly. Also, since the Bibliography is, as far as memoir class

is concerned, a chapter, you must use `\resetendnotes` before each chapter rather issuing `\notesbychapter` in the preamble if you have a bibliography, or odd results will follow.

`\resettextnotes` `\resetemendations` `\resetexplanatory`

These commands do what `\resetendnotes` does, but only for the named section, not for all three predefined endnote sections.

3 Predefined Endnote Sections

edmargin comes with three predefined endnotes sections and three predefined kinds of endnote, `\textnote{}`, `\emendation{}`, and `\explanatory{}`.

`\textnote` `\explanatory` `\emendation`

Use `\textnote` and its siblings as you would use an ordinary `\endnote`. The argument of each note can be whatever you wish, but for clarity it is a good idea to use as a lemma from the text, since that will make the passage the note refers to clear. For example: `\textnote{lemma] comment}`.

`\literaltextnote` `\literalemendation` `\literalexplanatory`

`\literaltextnote` and its siblings are useful for sending information directly to the endnotes section to which the command refers. All of these commands send unexpanded text to the endnote sections, so you use this command to send to the endnote sections commands which will be executed when the endnote section is read back into your document. You can send expanded text using `\immediate\write\textnotes` and its siblings.

`\notesincontents`

If you do not wish to include a line for the endnotes in the table of contents, issue `\notesincontentsonfalse`. (This is the default). To include a line for the endnotes in the table of contents, issue `\notesincontents` or (toggling the boolean) `\notesincontentsontrue`. If you wish to rethink how to present the notes in the table of contents, rather than issuing `\notesincontents` include an `\addtocontents` line in the main text just before you issue `\puttextnotes` or its siblings, the command which will read all of your endnotes into your document at that point. For instance, `\notesincontents` sets the word "Textual Notes" in the table of contents flush with the left margin, just where the numbers in the preceding chapters are. You might, however, wish to indent that word just a bit, so that it will be flush with the chapter titles above, rather than with the chapter numbers. If you wish to do this, just before issuing `\puttextnotes`, issue `\addcontentsline{toc}{chapter}{\protect\numberline{}\the\textnotescontentsname}`. Use a similar line for the other endnotes sections, replacing `\textnotescontentsname` with `\emendationscontentsname` or `\explanationscontentsname` as the case may be.

4 Creating New Endnote Sections

`\definenewnotetype`

You can create as many new kinds of endnote sections as you wish, using the `\definenewnotetype` command. This macro will

1. Open a new output stream and create a new external file to hold the notes.
2. Define a "literalwrite" command, on the model of `\literaltextnote` for writing literal text directly to that external file.
3. Send information to that file to set the page style and the running header

4. Send information to that file to set the title of the endnotes section, and formatting information for the note text.

5. Sets up an entry for the table of contents for the note section

6. Defines a new "note" command, and a new marginal marker for that note

7. Defines a new "reset" command for setting notes by chapter, and modifies `\resetendnotes` and `\notesbychapter` to include that new reset command when those two commands are issued

8. Defines a new "put" command (on the model of `\puttextnotes`) for closing the external file and reading it into the text.

This monster command takes *six* arguments, which are used for setting the names of the various files and commands it creates, and for defining such things as the title of the new notes section and the marginal mark it places in the main text. These arguments, in order, specify

1. The base name used to construct all the commands.

2. The extension used for the external file

3. The section title in the running headers of the note section

4. The section title at the beginning of the note section

5. The name of the section in the table of contents section

6. The marginal mark placed by the note command in the text

So, for instance,

```
\definenewnotetype{xyznote}{xyz}{Xyznotes to}{XYZNOTES}{Xyznotes}{x}
```

creates a note command `\xyznote{}`, and a command for sending literal text to the new note section `\literalxyznote`, both of which write to an external file `\jobname.xyz`, sets running headers for the notes sections of the form "Xyznotes to pp. 52-60," write a title line in the endnotes section giving the title as XYZNOTES, writes an entry in the table of contents for Xyznotes, and sets the marginal mark set by an `\xyznote` to be "x". You can read in the xyznotes section into your document with the command `\putxyznote`. And `\resetendnotes` and `\notesbychapter` will put chapter titles in the xyznotes section, just as they do for the textual notes, the explanatory notes, and the emendations sections. Finally, you can use `\resetxyznotes` to set a chapter title in only the xyznotes section.

A trivial use of this commmand would be to make traditional endnotes, in which case edmargin would merely be a replacement (with a slightly different command set) for endnote and endheads. The command for doing this would be

```
\definenewnotetype{endnote}{enn}{Endnotes
to}{ENDNOTES}{Endnotes}{\relax}
```

5 Using edmargin in a Multilingual World

By default, edmargin uses English language running headers, but these are easily changed.

\changetextnotesname

To change the title in the text for the endnote section for textual notes (the default is TEXTUAL NOTES), issue `\changetextnotesname{yourversion}`. To change the running header (by default "Textual Notes to") issue `\changetextnotesheader{your version}`. To change the name of the textual notes section in the table of contents (the default is "Textual Notes") issue `\changetextnotescontentsname`. Equivalent commands for emendations are `\changeemendationsname` `\changeemendationsheadername` and `\changeemendationscontentsname`. Equivalent commands for explanatory notes are `\changeexplanationsname` `\changeexplanationsheader` and `\changeexplanationscontentsname`.

\changesinglepageabbrev
\changemultiplepageabbrev

Running headers refer to single pages with the English abbreviation "p." and to multiple pages with the English abbreviation "pp." To change these issue `\changesinglepageabbrev{new abbrev}` or `\changemultiplepageabbrev{new abbrev}` respectively. The ultimate outcome is to translate a header of the form "Notes to pp. xx-yy" to the form appropriate for your language.

\changechapternotesline

If you are using `\resetendnotes` or `\setnotesbychapter` you may also want to change the text of the line those commands add to the endnotes so as to use some other word than "Chapter." To change this, issue `\changechapternotesline{your version}`.

\backmattertextfont

`\edmargin` sets the endnote text in the `\small` size. To change it to `\normalsize` issue `\renewcommand{\backmattertextfont}{\normalsize}`.

6 Customization

\notemarkinmargin
\notemarkintext

Rather than using marginal references, edmargin can be set to put regular endnote markers in the text and in the endnote sections. The different series of endnotes will be distinguished by using the same abbrevations that were used for marginal references. So, for instance, the third textual note will have a mark that looks "t:3" both in the text and in the textual notes section, and the fifth explanatory note will have a mark that "c:5" both in the text and in the textual notes section. You can put the endnote markers in the main text rather than in the margins by issuing `\notemarkintext` in your preamble. Putting the endnote markers in the margin is the default, but you can make sure that they go there by issuing `\notemarkinmargin`.

\textnotesparamode
\emendationsparamode
\explanationsparamode

If you wish to print your endnotes as block paragraphs, rather than giving a paragraph to each note, issue `\textnotesparamode`, `\emendationsparamode`, or `\explanationsparamode`, as the case may require. If you have used `\definenewnotetype` to define a note type called `\xyznote`, you can set these notes in block paragraphs by issuing `\xyznotesparamode`. You might consider setting your notes in block paragraphs if you have very many very short notes.

7 Known Issues

Because the marginal references are set with `\marginpar` some of them will appear on the wrong side in two-sided printing, unless you include mparhack in your list of packages. Also, if you have more than one reference on a line, the second reference will be moved down a line (marginpars are floats). This may not be an issue if the lemma in the second note makes it clear what in the text it refers to. This problem can be remedied by substituting the marn package and using the `\marn` command in place of `\marginpar`.

Using `\definenewnotetype` with `\notesbychapter` or `\resetendnotes` causes a complaint that an `\iftrue` has been left open whenever a `\chapter` command is written. The origin is probably a problem with `\appendtomacro`. But the error is harmless, it turns out, so I haven't tracked it down.

8 Implementation

8.1 General Purpose Routines

Essentially these routines are code posted by Heiko Oberdiek to comp.text.tex. If you set a counter from a `\pageref`, that `\pageref` is undefined on the first run, and TEX will not only complain about the undefined reference, but give a "missing number" error if you try to do anything with that reference, such as compare one page number to another. These commands enable one to use the `\pageref` without generating the missing number error on the first run.

```
\providecommand*{\ifrefundefined}[1]{%
  \expandafter\ifx\csname r@#1\endcsname\relax
    \expandafter\@firstoftwo
  \else
    \expandafter\@secondoftwo
  \fi
}
\providecommand*{\@extract@ref}[2]{%
  \expandafter\expandafter\expandafter#1\csname
r@#2\endcsname{}{}\@nil
}

\providecommand*{\@extractref}{%
  \@extract@ref\@car
}

\providecommand*{\@extractpageref}{%
  \@extract@ref\@secondcar
}

\long\def\@secondcar#1#2#3\@nil{#2}

\providecommand*{\setcounterfromref}[2]{%
  \ifrefundefined{#2}{%
    \protect\G@refundefinedtrue
    \@latex@warning{Reference `#2' on page \thepage \space
        undefined}%
    \setcounter{#1}{0}%
```

```
  }{%
    \setcounter{#1}{\@extractref{#2}}%
  }%
}
\providecommand*{\setcounterfrompageref}[2]{%
  \ifrefundefined{#2}{%
    \protect\G@refundefinedtrue
    \@latex@warning{Reference `#2' on page \thepage \space
        undefined}%
    \setcounter{#1}{0}%
  }{%
    \setcounter{#1}{\@extractpageref{#2}}%
  }%
}
\long\def\appendtomacro#1#2{%
\begingroup
    \toks@\expandafter{#1#2}%
    \xdef#1{\the\toks@}%
  \endgroup}
```

8.2 Building Blocks

First, define some counters:

```
\newcounter{allendnotes}
\setcounter{allendnotes}{1}
\newcounter{notepageholder} \setcounter{notepageholder}{1}
```

`\mymarks` A command to set the marks. This will be called by the page style. Notice that there is a test to see whether memoir class is being loaded, so that marks will be set using memoir commands if they are available.

```
\newtoks{\singlepageabbrev}
\singlepageabbrev={p.}
\newcommand{\changesinglepageabbrev}[1]{\singlepageabbrev={#1}}
\newtoks{\multiplepageabbrev}
\newcommand{\changemultiplepageabbrev}[1]{\multiplepageabbrev={#1}}
\newtoks{\chapternoteslinename}
\chapternoteslinename={Chapter}
\newcommand{\changechapternotesline}[1]{\chapternoteslinename={#1}}
\multiplepageabbrev{pp.}
\@ifclassloaded{memoir}{\newcommand{\mymarks}{%
   \ifthenelse{\equal{\rightmark}{\leftmark}}%
        {\unskip ~\the\singlepageabbrev~\rightmark}% if equal
        {\unskip ~\the\multiplepageabbrev~\rightmark--\leftmark}}%if not equal
}
{\newcommand{\mymarks}{%
   \ifthenelse{\equal{\firstmark}{\botmark}}%
        {\unskip ~\the\singlepageabbrev~\firstmark}% if equal
        {\unskip ~\the\multiplepageabbrev~\firstmark--\botmark}}%if not equal
}
```

`\endnotespagestyle` A command to set the page style in fancyhdr. You might want to change some aspects of this, such as where to put the page number, to make it consistent with the rest of your document. Notice that there is a test to see whether memoir class

is being loaded, so that the header commands built in to memoir are used if they are available, and the header commands from fancyhdr are used if they are not.

```
\@ifclassloaded{memoir}{\makepagestyle{plain}
\makeevenhead{plain}{}{}{{\small\textrm{\thepage}}}
\makeoddhead{plain}{{\small\textrm{\thepage}}}{}{}
\makeevenfoot{plain}{}{}{}
\makeoddfoot{plain}{}{}{}
\makepagestyle{endnotesstyle}
\makeevenhead{endnotesstyle}{{\small\textrm{\thepage}}}
{{\small{\em \the\notesheadername~\mymarks}}}{}
\makeoddhead{endnotesstyle}{}{{\small{\em \the\notesheadername~\mymarks}}}
{{\small\textrm{\thepage}}}
\makeevenfoot{}{}{}
\makeoddfoot{}{}{}
}{\fancypagestyle{plain}{%
\fancyhf{}
\fancyhead[RO,LE]{{\small\textrm{\thepage}}}
\renewcommand{\headrulewidth}{0pt}
\renewcommand{\footrulewidth}{0pt}
}
\fancypagestyle{endnotesstyle}{%
\fancyhf{}
\fancyhead[CO]{{\small{\em \the\notesheadername~\mymarks}}}
\fancyhead[CE]{{\small{\em \the\notesheadername~\mymarks}}}
\renewcommand{\headrulewidth}{0pt}
\renewcommand{\footrulewidth}{0pt}
\fancyhead[RO,LE]{{\small\textrm{\thepage}}}
}
}
```

`\checknoteheaders` This macro sets the counter notepageholder to the value given by the pageref of the note that is being output. All that strange business with `\string` is there because I want to use the `\immediate\write` mechanism to control what gets expanded and what doesn't get expanded on the external files for the endnotes, `\jobname.ent` and its friends. Everything except the actual number of the endnote is written to the external file as unexpanded tokens. When, after you call `\theendnotes`, you read in the external file for the endnotes, for example `\jobname.ent`, all these tokens become a command to set the `\mark`. Notice that there are two forms of this command, one for the standard document classes, one for memoir class. edmargin chooses which form depending upon which class is loaded.

```
\@ifclassloaded{memoir}{\newcommand{\checknoteheaders}{%
\string\setcounterfrompageref\string{notepageholder\string}%
\string{notl\theallendnotes\string}%
\string\markboth\string{\string\thenotepageholder
\string}\string{\string\thenotepageholder\string}%
}
}{\newcommand{\checknoteheaders}{%
\string\setcounterfrompageref\string{notepageholder\string}%
\string{notl\theallendnotes\string}%
\string\mark\string{\string\thenotepageholder\string}%
}
}

```

8.3 User Code

\notesincontents This command just sets a boolean. Later, that boolean will be used to determine whether you use the default line for the table of contents for each endnote class, or whether you define one for yourself using \addtocontents.

```
\newif\ifnotesincontentson \notesincontentsonfalse
\newcommand{\notesincontents}{\notesincontentsontrue}
```

\maketextnotes Next, setting up the textual collations: \maketextnotes opens an external file with the extension .ent. And it sends formatting information for the first page of the section, as well as information to send to the table of contents. Also, it sets a label for sending the page number of the textual notes to the table of contents.

```
% Extra white space at the top of the first page
\newcommand{\backmatterafterheadersink}{\leavevmode\vspace{11pt}}
% Set notes in small type
\newcommand{\backmattertextfont}{\small}
% writes unexpanded text on the specified external file
\def\strip#1>{}
\newcommand{\literaltextnote}[1]{
     \begingroup
        \def\next{#1}%
        \newlinechar='40
        \immediate\write\textnotes{\expandafter\strip\meaning\next}%
     \endgroup
 }
\newcommand{\literalemend}[1]{
     \begingroup
        \def\next{#1}%
        \newlinechar='40
        \immediate\write\emendations{\expandafter\strip\meaning\next}%
     \endgroup
}
\newcommand{\literalexplain}[1]{
     \begingroup
        \def\next{#1}%
        \newlinechar='40
        \immediate\write\explanations{\expandafter\strip\meaning\next}%
     \endgroup
}
% Nothing happens to textual notes unless you say you want to collect
% them.
\newif\iftextnoteson \textnotesonfalse
\newif\ifexplanon \explanonfalse
\newif\ifemendationson \emendationsonfalse
% Use tokens rather than hard coded names to make multilingual use easier
\newtoks{\notesheadername}
\newtoks{\edmrgnotesname}
\edmrgnotesname={TEXTUAL NOTES}
\newcommand{\changetextnotesname}[1]{\edmrgnotesname={#1}}
\newtoks{\textnotesheadername}
\notesheadername={Textual Notes to}
\newcommand{\changetextnotesheader}[1]{\textnotesheadername={#1}}
\newtoks{\textnotescontentsname}
\textnotescontentsname={Textual Notes}
```

```
\newcommand{\changetextnotescontentsname}[1]{\textnotescontentsname={#1}}
% font size for endnote section titles
\newcommand{\backmatterheadingfont}{\fontsize{16}{20}\selectfont}
% setting up an empty page
\newcommand{\clearemptydoublepage}{\newpage{\pagestyle{empty}\cleardoublepage}}
% white space at top of back matter sections
\newcommand{\backmattersink}{\leavevmode\vspace{21.5pt}}
% set up the external file for textual notes
\newcommand{\maketextnotes}{\global\textnotesontrue
  \newwrite\textnotes
  \immediate\openout\textnotes=\jobname.ent
  \literaltextnote{{\par\clearpage
  {\pagestyle{empty}\cleardoublepage}
\thispagestyle{empty}}
\notesheadername={\the\textnotesheadername}
\pagestyle{endnotesstyle}
% \fancyhead{}
% \fancyfoot{}
% \fancyhead[RO,LE]{{\small\textrm{\thepage}}}
% \fancyhead[CO]{{\small{\em \the\textnotesheadername~\mymarks}}}
% \fancyhead[CE]{{\small{\em \the\textnotesheadername~\mymarks}}}
% \fancyfoot[C]{}
\mark{3}
\backmattersink
\begin{center}{\normalfont \backmatterheadingfont \the\edmrgnotesname}\end{center}
\label{textualnotes}
% \lefthyphenmin=2\backmatterafterheadersink\tolerance=500\language=0
\normalfont \backmattertextfont}
\immediate\write\textnotes{\string\ifnotesincontentson}%
\immediate\write\textnotes{\string\addcontentsline\string{toc\string}
\string{chapter\string}\string{\string\the\string\textnotescontentsname\string}}%
%\immediate\write\@enotes{\string{\string\notescontentsname\string}}%
%\string{\string\protect\string\numberline
%\string{\string}  \string\notescontentsname \string}
\immediate\write\textnotes{\string\fi}
}
```

`\makeemendations` Next, the emendations section:

```
\newtoks{\emendationsname}
\emendationsname={EMENDATIONS}
\newcommand{\changeemendationsname}[1]{\emendationsname={#1}}
\newtoks{\emendationsheadername}
\emendationsheadername={Emendations to}
\newcommand{\changeemendationsheader}[1]{\emendationsheadername={#1}}
\newtoks{\emendationscontentsname}
\emendationscontentsname={Emendations}
\newcommand{\changeemendationscontentsname}[1]{%
\emendationscontentsname={#1}}
\newcommand{\makeemendations}{\global\emendationsontrue
  \newwrite\emendations
   \immediate\openout\emendations=\jobname.emd
   \literalemend{{\par\clearpage
   {\pagestyle{empty}\cleardoublepage}
\thispagestyle{empty}}
```

```
\notesheadername={\the\emendationsheadername}
\pagestyle{endnotesstyle}
% \fancyhead{}
% \fancyhead[RO,LE]{{\small\textrm{\thepage}}}
% \fancyhead[CO]{{\small{\em \the\emendationsheadername~\mymarks}}}
% \fancyhead[CE]{{\small{\em \the\emendationsheadername~\mymarks}}}
% \fancyfoot{}
\mark{3}
\backmattersink
\begin{center}{\normalfont \backmatterheadingfont
\the\emendationsname}\end{center}
\label{emendationnotes}
% \lefthyphenmin=2\backmatterafterheadersink\tolerance=500\language=0
\normalfont \backmattertextfont}
\immediate\write\emendations{\string\ifnotesincontentson}%
\immediate\write\emendations{\string\addcontentsline\string{toc\string}
\string{chapter\string}\string{\string\the\string\emendationscontentsname\string}}%
%\immediate\write\@enotes{\string{\string\notescontentsname\string}}%
%\string{\string\protect\string\numberline
%\string{\string}  \string\notescontentsname \string}
\immediate\write\emendations{\string\fi}
}
```

`\makeexplanatorynotes` And the explanatory notes:

```
\newtoks{\explanationsname}
\explanationsname={EXPLANATORY NOTES}
\newcommand{\changeexplanationsname}[1]{\explanationsname={#1}}
\newtoks{\explanationsheadername}
\explanationsheadername={Explanatory Notes to}
\newcommand{\changeexplanationsheader}[1]{\explanationsheadername={#1}}
\newtoks{\explanationscontentsname}
\explanationscontentsname={Explanatory Notes}
\newcommand{\changeexplanationscontentsname}[1]{%
\explanationscontentsname={#1}}
\newcommand{\makeexplanatorynotes}{\global\explanontrue
     \newwrite\explanations
     \immediate\openout\explanations=\jobname.enx
     \literalexplain{{\par\clearpage
 {\pagestyle{empty}\cleardoublepage}
\thispagestyle{empty}}
\notesheadername={\the\explanationsheadername}
\pagestyle{endnotesstyle}
% \fancyhead[RO,LE]{{\small\textrm{\thepage}}}
% \fancyhead[CO]{{\small{\em \the\explanationsheadername~\mymarks}}}
% \fancyhead[CE]{{\small{\em \the\explanationsheadername~\mymarks}}}
% \fancyfoot{}
\mark{3}
\backmattersink
\begin{center}{\normalfont \backmatterheadingfont
\the\explanationsname}\end{center}
\label{explanatorynotes}
% \lefthyphenmin=2\backmatterafterheadersink\tolerance=500\language=0
\normalfont \backmattertextfont }
\immediate\write\explanations{\string\ifnotesincontentson}%
```

```
\immediate\write\explanations{\string\addcontentsline\string{toc\string}
\string{chapter\string}\string{\string\the\string\explanationscontentsname\string}}%
%\immediate\write\@enotes{\string{\string\notescontentsname\string}}%
%\string{\string\protect\string\numberline
%\string{\string}  \string\notescontentsname \string}
\immediate\write\explanations{\string\fi}
}
```

Auxiliary commands for note and title sections

```
%
\newcommand{\argpageref}[1]{\pageref{#1}}
\newcommand{\@pagemarktotextnotes}[1]{%
\immediate\write\textnotes{\string\setcounterfrompageref\string{notepageholdertitle\string}%
\string{#1\string}\string\unskip}%
\immediate\write\textnotes{\string\mark%
\string{\string\thenotepageholdertitle\string}}%
}
\newcommand{\@poempagetotextnotes}[1]{%
\immediate\write\textnotes{\string\par\string\argpageref\string{#1\string}\string\unskip}%
\@pagemarktotextnotes{#1}}
\newcommand{\@poemtitletotextnotes}[1]{\literaltextnote{\textbf{#1}}}
```

\setupendnoteheaders \setupendnoteheaders turns on processing of running headers.

```
\newif\ifendnoteheaderson \endnoteheadersonfalse
\newcommand{\setupendnoteheaders}{%
\endnoteheadersontrue
\maketextnotes
\makeexplanatorynotes
\makeemendations
}
% \newcommand{\setupendnoteheaders}{%
% \endnoteheadersontrue
% \if@enotesopen \else \@openenotes \fi
% \immediate\write\@enotes{%
% \string\thispagestyle\string{empty\string}
% \string\pagestyle\string{endnotesstyle\string}}
% \immediate\write\@enotes{\string\ifnotesincontentson}%
% \immediate\write\@enotes{\string\addcontentsline\string{toc\string}
% \string{chapter\string}\string{\string\the\string\notescontentsname\string}}%
% %\immediate\write\@enotes{\string{\string\notescontentsname\string}}%
% %\string{\string\protect\string\numberline
% %\string{\string}  \string\notescontentsname \string}
% \immediate\write\@enotes{\string\fi}
% \def\endnote{\@ifnextchar[\@xendnote{\stepcounter{endnote}%
% % my addition begins
%       \stepcounter{allendnotes}\label{notl\theallendnotes}%
%       \immediate\write\@enotes{\checknoteheaders}%
% % my addition ends
%       \protected@xdef\@theenmark{\theendnote}%
%       \@endnotemark\@endnotetext}}
% \let\oldtheendnotes=\theendnotes
% \renewcommand{\theendnotes}{%
% \immediate\write\@enotes{\string\thispagestyle\string{endnotesstyle\string}}
% \oldtheendnotes}
```

```
% }
```

\putemendations This macro closes external file for emendations, reads it in, and puts an entry for the emendations into the table of contents file. The macro tests to see whether there is an .aux file from a previous run before doing this, and complains in the .log file if the .aux file does not exist.

```
% \newcommand{\hyphenationforsmall}{\small\bf \hyphenchar\font=45
% \small\it \hyphenchar\font=45
% \small\rm \hyphenchar\font=45
% }
\newcommand{\putemendations}{
\ifemendationson
   \clearemptydoublepage
%    \hyphenationforsmall
   \immediate\closeout\emendations
   \input \jobname.emd
%    \ifpoemcontentson
%        \ifemendationson
%  \immediate\write\poemcontents{\string\contentspoemtitlefont\ \the\emendationscontentsname}
%  \immediate\write
%   \poemcontents{\string~ \string\contentsleaders  \string~\
%   \string\pageref{emendationnotes} \string\par}
%  \immediate\write\poemcontents{\string\par \string\smallskip}
%        \fi
%\fi
\else
 \relax
\fi}
```

\putexplanatory Does the same for explanatory notes.

```
\newcommand{\putexplanatory}{
\ifexplanon
   \clearemptydoublepage
%    \hyphenationforsmall
   \immediate\closeout\explanations
   \input \jobname.enx
%    \ifpoemcontentson
%        \ifexplanon
%  \immediate\write\poemcontents{\string\contentspoemtitlefont\ \the\explanationscontentsname}
%  \immediate\write
%   \poemcontents{\string~ \string\contentsleaders  \string~\
%   \string\pageref{explanatorynotes} \string\par}
%  \immediate\write\poemcontents{\string\par \string\smallskip}
%        \fi
% \fi
\else
 \relax
\fi}
```

\puttextnotes Does the same for textual notes.

```
\newcommand{\puttextnotes}{
\iftextnoteson
   \clearemptydoublepage
```

```
%    \hyphenationforsmall
   \immediate\closeout\textnotes
   \input \jobname.ent
%    \ifpoemcontentson
%        \iftextnoteson
%  \immediate\write\poemcontents{\string\contentspoemtitlefont\ \the\textnotescontentsname}
%  \immediate\write
%   \poemcontents{\string~ \string\contentsleaders  \string~\
%   \string\pageref{textualnotes} \string\par}
%  \immediate\write\poemcontents{\string\par \string\smallskip}
%        \fi
% \fi
\else
 \relax
\fi}
```

`\margreftextnote` Macros to set marginal page references showing where in the apparatus a comment upon the marked line is to be found. `\margrefspecial{}` is for occasions when you might need to set the label by hand. For instance, suppose you have several textnotes on a line, and the note you wish to draw attention to is on a different page from the other notes. `\margreftextnote` under those circumstances will point only to the first note. Use `\margrefspecial` to point to the other note, giving `\margrefspecial` a unique argument, and opening that note with a command using the same argument.

```
\setlength{\marginparwidth}{2em}
\newcounter{margrefnumber}
\setcounter{margrefnumber}{1}
\newtoks{\margrefmarker}
\margrefmarker={\dag}
\newcommand{\setmargrefmarker}[1]{\margrefmarker={#1}}%
\newcommand{\makemargreflabel}{\string\label\string{margref\themargrefnumber\string}}
\newcommand{\setmargref}{%
\marginpar{\scriptsize {\the\margrefmarker~\the\singlepageabbrev~\pageref{margref\themargrefnumbe
}
\newcommand{\margreftextnote}{%
\iftextnoteson\addtocounter{margrefnumber}{1}%
\immediate\write\textnotes{\makemargreflabel}%
\setmargref\else\relax\fi%
}
\newcommand{\margrefexplanatory}{%
\ifexplanon\addtocounter{margrefnumber}{1}%
\immediate\write\explanations{\makemargreflabel}%
\setmargref\else\relax\fi%
}
\newcommand{\margrefemendation}{%
\ifemendationson\addtocounter{margrefnumber}{1}%
\immediate\write\emendations{\makemargreflabel}%
\setmargref\else\relax\fi%
}
\newcommand{\margrefspecial}[1]{%
\marginpar{\scriptsize {\the\margrefmarker~\the\singlepageabbrev~\pageref{#1}}}
}
% or, perhaps the note marker should be in the text rather than in
```

```
% the margin
\newif\ifn@temarkinmargin%
\n@temarkinmargintrue%
\newif\ifn@temarkintext%
\n@temarkintexttrue%
\newcommand{\notemarkinmargin}{\n@temarkinmargintrue\n@temarkintextfalse}
\newcommand{\notemarkintext}{\n@temarkinmarginfalse\n@temarkintexttrue}
%\newif\ifnotemarkinmargin \notemarkinmargintrue%
\newcounter{enmrnotescratchcount}%
\setcounter{enmrnotescratchcount}{0}
\newtoks{\enmrendnotemarker}%
\newcommand{\makeenmrendnotemarker}{%
\enmrendnotemarker={\the\margrefmarker\theenmrnotescratchcount}}%
\newcommand{\putenmrnotemarkerintext}{%
\hbox\textsuperscript{\scriptsize{\the\enmrendnotemarker}}}%
% To set notes in as a block paragraph, rather than individually
\newif{\iftextnotespara}{\textnotesparafalse}
\newcommand{\textnotesparamode}{\textnotesparatrue}
\newif{\ifemendationspara}{\emendationsparafalse}
\newcommand{\emendationsparamode}{\emendationsparatrue}
\newif{\ifexplanationspara}{\explanationsparafalse}
\newcommand{\explanationsparamode}{\explanationsparatrue}
```

\textnote

```
% \newcommand{\textnote}[1]{%
% \iftextnoteson%
% \margrefmarker={t:}%
% \stepcounter{allendnotes}\label{notl\theallendnotes}%
% \immediate\write\textnotes{\checknoteheaders}%
% \immediate\write\textnotes{\string\par\string{\string\textbf\string{p.\
% \string\pageref\string{notl\theallendnotes\string}\string}\string}}%
% \literaltextnote{~#1}%
% \margreftextnote%
% \fi
% }
\newcounter{enmrtextnotecount}
\newcommand{\textnote}[1]{%
\iftextnoteson%
\margrefmarker={t:}%
\ifn@temarkinmargin%n@temarkinmargin
\margreftextnote%
\else%
\stepcounter{enmrtextnotecount}%
\setcounter{enmrnotescratchcount}{\value{enmrtextnotecount}}%
\makeenmrendnotemarker%
\putenmrnotemarkerintext%
\fi%
\stepcounter{allendnotes}\label{notl\theallendnotes}%
\immediate\write\textnotes{\checknoteheaders}%
\ifn@temarkinmargin%
\iftextnotespara\relax\else%
\immediate\write\textnotes{\string\par}\fi%
\immediate\write\textnotes{\string{\string\textbf\string{\the\singlepageabbrev\
\string\pageref\string{notl\theallendnotes\string}\string}\string}}%
```

```
\else
\iftextnotespara\relax\else%
\immediate\write\textnotes{\string\par}\fi%
\immediate\write\textnotes{\string\textsuperscript\string{\theenmrnotescratchcount\string}%
}%
\fi
\literaltextnote{~#1}%
\fi
}
```

\explanatory

```
\newcounter{enmrexplanatorycount}
\newcommand{\explanatory}[1]{%
\ifexplanon%
\margrefmarker={c:}%
\ifn@temarkinmargin%
\margrefexplanatory%
\else%
\stepcounter{enmrexplanatorycount}%
\setcounter{enmrnotescratchcount}{\value{enmrexplanatorycount}}%
\makeenmrendnotemarker%
\putenmrnotemarkerintext%
\fi%
\stepcounter{allendnotes}\label{notl\theallendnotes}%
\immediate\write\explanations{\checknoteheaders}%
\ifn@temarkinmargin%
\ifexplanationspara\relax\else%
\immediate\write\explanations{\string\par}\fi%
\immediate\write\explanations{\string{\string\textbf\string{\the\singlepageabbrev\
\string\pageref\string{notl\theallendnotes\string}\string}\string}}%
\else%
\ifexplanationspara\relax\else%
\immediate\write\explanations{\string\par}\fi%
\immediate\write\explanations{\string%
\textsuperscript\string{\theenmrnotescratchcount\string}%
}%
\fi
\literalexplain{~#1}%
\fi}
```

\emendation

```
\newcounter{enmremendationcount}
\newcommand{\emendation}[1]{%
\ifemendationson%
\margrefmarker={e:}%
\ifn@temarkinmargin%
\margrefemendation%
\else%
\stepcounter{enmremendationcount}%
\setcounter{enmrnotescratchcount}{\value{enmremendationcount}}%
\makeenmrendnotemarker%
\putenmrnotemarkerintext%
\fi%
\stepcounter{allendnotes}\label{notl\theallendnotes}%
```

```
\immediate\write\emendations{\checknoteheaders}%
\ifn@temarkinmargin%
\ifemendationspara\relax\else%
\immediate\write\emendations{\string\par}\fi%
\immediate\write\emendations{\string{\string\textbf\string{\the\singlepageabbrev\
\string\pageref\string{notl\theallendnotes\string}\string}\string}}%
\else%
\ifemendationspara\relax\else%
\immediate\write\emendations{\string\par}\fi%
\immediate\write\emendations{\string\textsuperscript\string{\theenmrnotescratchcount\string}%
}%
\fi
\literalemend{~#1}%
\fi}

\setstyleforchapternotebegin

\newif\iftitleinnotes \titleinnotestrue%
\newcommand{\styleforchapternotebegin}{%
}
\newcommand{\styleforchapternoteend}{%
}
\newcommand{\setstyleforchapternotebegin}[1]{%
\renewcommand{\styleforchapternotebegin}{#1}}
\newcommand{\setstyleforchapternoteend}[1]{%
\renewcommand{\styleforchapternoteend}{#1}}%
\setstyleforchapternotebegin{\begin{center}}
\setstyleforchapternoteend{\end{center}}
\newcommand{\resettextnotes}{%
% \label{chapter\thechapter}%
\immediate\write\textnotes{\string\begingroup}%
\immediate\write\textnotes{\string\goodbreak}%
\immediate\write\textnotes{\string\Needspace\string{5\string\baselineskip\string}}%
\immediate\write\textnotes{\string\styleforchapternotebegin}%
\immediate\write\textnotes{\the\chapternoteslinename\string\ \thechapter\string~}%
\iftitleinnotes%
\immediate\write\textnotes{\string\titleref\string{chapter\thechapter\string}}%
\fi%
%\immediate\write\textnotes{\string}}
\immediate\write\textnotes{\string\styleforchapternoteend}%
% \immediate\write\textnotes{\string\end\string{center\string}}
\immediate\write\textnotes{\string\nopagebreak}%
\immediate\write\textnotes{\string\endgroup}%
}
\newcommand{\resetemendations}{%
% \label{chapter\thechapter}%
\immediate\write\emendations{\string\begingroup}%
\immediate\write\emendations{\string\goodbreak}%
\immediate\write\emendations{\string\Needspace\string{5\string\baselineskip\string}}%
\immediate\write\emendations{\string\styleforchapternotebegin}%
\immediate\write\emendations{\the\chapternoteslinename\string\ \thechapter\string~}%
\iftitleinnotes%
\immediate\write\emendations{\string\titleref\string{chapter\thechapter\string}}%
\fi%
\immediate\write\emendations{\string\styleforchapternoteend}%
```

```
\immediate\write\emendations{\string\nopagebreak}%
\immediate\write\emendations{\string\endgroup}%
}
\newcommand{\resetexplanatory}{%
% \label{chapter\thechapter}%
\immediate\write\explanations{\string\begingroup}%
\immediate\write\explanations{\string\goodbreak}%
\immediate\write\explanations{\string\Needspace\string{5\string\baselineskip\string}}%
\immediate\write\explanations{\string\styleforchapternotebegin}%
\immediate\write\explanations{\the\chapternoteslinename\string\ \thechapter\string~}%
\iftitleinnotes%
\immediate\write\explanations{\string\titleref\string{chapter\thechapter\string}}%
\fi%
\immediate\write\explanations{\string\styleforchapternoteend}%
\immediate\write\explanations{\string\nopagebreak}%
\immediate\write\explanations{\string\endgroup}%
}
\newcommand{\resetendnotes}{%
\resettextnotes%
\resetemendations%
\resetexplanatory}
```

\notesbychapter

```
\newif\ifnotesbychapteron \notesbychapteronfalse
\@ifclassloaded{memoir}{\newcommand{\notesbychapter}{\notesbychapterontrue
\addtoiargdef{\chapter}{}{ \iftitleinnotes%
   \label{chapter\thechapter}%
    \fi%
    \ifnotesbychapteron%
    \relax%
    \resetendnotes%
    \fi}}
}{\newcommand{\notesbychapter}{\notesbychapterontrue}
\def\@chapter[#1]#2{\ifnum \c@secnumdepth >\m@ne
                        \if@mainmatter
                          \refstepcounter{chapter}%
                          \typeout{\@chapapp\space\thechapter.}%
                          \addcontentsline{toc}{chapter}%
                                    {\protect\numberline{\thechapter}#1}%
                        \else
                          \addcontentsline{toc}{chapter}{#1}%
                        \fi
                      \else
                        \addcontentsline{toc}{chapter}{#1}%
                      \fi
                      \chaptermark{#1}%
                      \addtocontents{lof}{\protect\addvspace{10\p@}}%
                      \addtocontents{lot}{\protect\addvspace{10\p@}}%
                      \if@twocolumn
                        \@topnewpage[\@makechapterhead{#2}]%
                      \else
                        \@makechapterhead{#2}%
                        \@afterheading
                      \fi
```

```
    \iftitleinnotes%
    \label{chapter\thechapter}%
    \fi%
    \ifnotesbychapteron%
    \relax%
    \resetendnotes%
    \fi}
}
```

\definenewnotetype

```
% first, some building block commands
% make some new ifs (Thanks to Igor Pechtchanski and Ulrich Schwarz)
\newcommand{\m@kenewnoteif}[1]{%
\expandafter\newif\csname if#1son\endcsname%
\global\csname #1sontrue\endcsname%
\expandafter\newif\csname ifno#1yet\endcsname%
\csname no#1yettrue\endcsname%
}
% make a new output stream
\newcommand{\n@woutputstream}[2]{%
\expandafter\newwrite\csname #1s\endcsname%
\immediate\expandafter\openout\csname #1s\endcsname=\expandafter\jobname .#2%
}
% set up a new literalwrite command
\newcommand{\n@wliteralwrite}[1]{%
\expandafter\newcommand\csname literal#1\endcsname[1]{%
\begingroup%
\def\next{##1}%
\newlinechar='40
\immediate\write\expandafter\csname #1s\endcsname{\expandafter\strip\meaning\next}%
\endgroup}
}
% heading material for new notes, label, font, par mode default
\newcommand{\n@wnoteheadingmaterial}[3]{%
\csname literal#1\endcsname{%
\par\clearpage%
{\pagestyle{empty}\cleardoublepage}%
\thispagestyle{empty}%
}
\immediate\write\csname #1s\endcsname{%
\string\notesheadername=\string{#2\string}%
\string\pagestyle\string{endnotesstyle\string}%
}
\immediate\write\csname #1s\endcsname{%
\string\mark\string{3\string}%
\string\backmattersink%
\string\begin\string{center\string}%
\string{\string\normalfont \string%
\backmatterheadingfont\ #3\string}\string\end\string{center\string}%
}
\immediate\write\csname #1s\endcsname{\string\label\string{#3\string}}%
\immediate\write\csname #1s\endcsname{\string\normalfont\string\backmattertextfont}%
\immediate\write\csname #1s\endcsname{\string\paramodefalse}%
}
```

```
% new entry for table of contents
\newcommand{\n@wentryfortoc}[2]{%
\immediate\write\csname #1s\endcsname{\string\ifnotesincontentson}%
\immediate\write\csname #1s\endcsname{\string\addcontentsline\string{toc\string}%
\string{chapter\string}\string{#2\string}}%
\immediate\write\csname #1s\endcsname{\string\fi}%
}
% new marginal reference kind
\newcommand{\n@wmargrefkind}[1]{%
\expandafter\newcommand\csname margref#1\endcsname[1]{%
\addtocounter{margrefnumber}{1}%
\immediate\write\csname #1s\endcsname{\makemargreflabel}%
\setmargref%
}
}
% new note counter
\newcommand{\n@wnotecounter}[1]{%
\expandafter\newcounter{enmr#1count}%
}
\newcommand{\n@wparaboolean}[1]{%
\expandafter\newif\csname if#1spara\endcsname}%
\newcommand{\n@wputmargref}[1]{%
\expandafter\csname margref#1\endcsname%
}
\newcommand{\n@wputnotenum}[1]{%
\expandafter\stepcounter{enmr#1count}%
\setcounter{enmrnotescratchcount}{\expandafter\value{enmr#1count}}%
\makeenmrendnotemarker%
\putenmrnotemarkerintext%
}
\newif\ifparamode \paramodefalse%
\newcommand{\n@wsetparamode}[1]{%
\expandafter\newcommand\csname #1sparamode\endcsname{%
%\csname #1sparatrue\endcsname
\immediate\write\expandafter\csname #1s\endcsname{\string\paramodetrue}%
}
}
\newcommand{\enmrconditionalpar}{%
\ifparamode%
% \if#1spara
\relax%
\else%
\par%
\fi%
}
\newcommand{\n@wnotecommand}[2]{%
\expandafter\newcommand\csname #1\endcsname[1]{%
\margrefmarker={#2:}%
\ifn@temarkinmargin%
\n@wputmargref{#1}%
\fi%
\ifn@temarkintext%
\n@wputnotenum{#1}%
\fi%
```

```
\stepcounter{allendnotes}\label{notl\theallendnotes}%
\immediate\write\expandafter\csname #1s\endcsname{\checknoteheaders}%
\ifn@temarkinmargin%
\immediate\write\expandafter\csname #1s\endcsname{\string\enmrconditionalpar}%
%\immediate\write\expandafter\csname #1s\endcsname{\string\par}
\immediate\write\expandafter\csname #1s\endcsname{\string{\string\textbf\string{\the\singlepageab
\string\pageref\string{notl\theallendnotes\string}\string}\string}}%
\else%
% \immediate\write\csname #1s\endcsname{\string\par}
\immediate\write\expandafter\csname #1s\endcsname{\string\enmrconditionalpar}%
\immediate\write\csname #1s\endcsname{%
\string\textsuperscript\string{\theenmrnotescratchcount\string}%
}%
\fi
\expandafter\csname literal#1\endcsname{~##1}%
}}
%%%%%%%%%%%%%
\newcommand{\definenewnotetype}[6]{%
% 1. make new ifs
\m@kenewnoteif{#1}%
% 2 # new output stream and external file
\n@woutputstream{#1}{#2}%
% 4. set up a literalwrite command
\n@wliteralwrite{#1}%
% 5. First a blank page than a page in the empty pagestyle
% set the page style and running header
\n@wnoteheadingmaterial{#1}{#3}{#4}%
% 6. set up entry for table of contents
\n@wentryfortoc{#1}{#5}%
% % 7. set up a command to write the note
\n@wmargrefkind{#1}%
% % then a counter for the note kind
\n@wnotecounter{#1}
% % then a boolean for setting the notes in paragraph format
\n@wparaboolean{#1}
\n@wsetparamode{#1}
% % then the note command
\n@wnotecommand{#1}{#6}
% 8. make a reset command for setting by chapter
\expandafter\newcommand\csname reset#1s\endcsname[1]{%
\immediate\write\csname #1s\endcsname{\string\begingroup}%
\immediate\write\csname #1s\endcsname{\string\goodbreak}%
\immediate\write\csname #1s\endcsname{\string\Needspace\string{5\string\baselineskip\string}}%
\immediate\write\csname #1s\endcsname{\string\styleforchapternotebegin}%
\immediate\write\csname #1s\endcsname{\the\chapternoteslinename\string\ \thechapter\string~}%
\iftitleinnotes%
\immediate\write\csname #1s\endcsname{\string\titleref\string{chapter\thechapter\string}}%
\fi%
\immediate\write\csname #1s\endcsname{\string\styleforchapternoteend}%
\immediate\write\csname #1s\endcsname{\string\nopagebreak}%
\immediate\write\csname #1s\endcsname{\string\endgroup}%
}
% 9. add this to resetchapter and setbychapter
%\appendtomacro{\notesbychapter}{\expandafter\csname reset#1s\endcsname}
```

```
\appendtomacro{\resetendnotes}{\expandafter\csname reset#1s\endcsname}%
% 10. command for closing the file and reading in the endnotes section
\expandafter\newcommand\csname put#1s\endcsname{%
\immediate\expandafter\closeout\csname #1s\endcsname%
\expandafter\input \jobname.#2%
}%
}
```

Change History

v1.0

General: Initial version 1

v1.01

General: Bug fix in macro for defining new endnote kinds. 1

v1.02

General: Corrections to manual. . . 1

Index

Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

Symbols

\@afterheading 600
\@car 14
\@chapapp 584
\@chapter 581
\@endnotemark 303
\@endnotetext 303
\@enotes 185, 223, 260, 287, 290, 291, 293, 296, 300, 306
\@extract@ref 8, 14, 18
\@extractpageref 17, 40
\@extractref 13, 30
\@firstoftwo 3
\@ifclassloaded 60, 70, 97, 572
\@ifnextchar 297
\@latex@warning 26, 36
\@makechapterhead 597, 599
\@nil 10, 21
\@openenotes 286
\@pagemarktotextnotes 267, 275
\@poempagetotextnotes 273
\@poemtitletotextnotes 276
\@secondcar 18, 21
\@secondoftwo 5
\@theenmark 302
\@topnewpage 597
\@xendnote 297

\␣ 321, 323, 339, 341, 357, 359, 423, 446, 474, 502, 529, 545, 559, 648, 713, 752

A

\addcontentsline 183, 221, 258, 291, 585, 588, 591, 657
\addtocontents 594, 595
\addtoiargdef 573
\addvspace 594, 595
\appendtomacro 43, 761, 762
\argpageref 266, 274

B

\backmatterafterheadersink 113, 180, 218, 255
\backmatterheadingfont 156, 178, 215, 252, 648
\backmattersink 160, 177, 214, 251, 645
\backmattertextfont *6*, 115, 181, 219, 256, 651
\baselineskip 527, 543, 557, 750
\begingroup 44, 119, 126, 133, 525, 541, 555, 626, 748

C

\c@secnumdepth 581
\changechapternotesline *6*, 58
\changeemendationscontentsname . 198
\changeemendationsheader 195
\changeemendationsname 192

\changeexplanationscontentsname . 236
\changeexplanationsheader 233
\changeexplanationsname 230
\changemultiplepageabbrev *6*, 55
\changesinglepageabbrev *6*, 53
\changetextnotescontentsname . . . 154
\changetextnotesheader 151
\changetextnotesname *6*, 148
\chapter 573
\chaptermark 593
\chapternoteslinename 56–58, 529, 545, 559, 752
\checknoteheaders 97, 300, 422, 442, 470, 498, 709
\cleardoublepage 158, 166, 204, 242, 636
\clearemptydoublepage 158, 315, 333, 351
\clearpage 165, 203, 241, 635
\contentsleaders 323, 341, 359
\contentspoemtitlefont 321, 339, 357
\csname 2, 9, 613–616, 620, 621, 625, 629, 634, 639, 643, 650–652, 656, 657, 659, 663, 665, 674, 676, 686–688, 700, 709, 711–713, 716–718, 722, 747–752, 754, 756–758, 761, 762, 764, 765

D

\dag 371
\definenewnotetype *4*, 610

E

\edmrgnotesname 146–148, 178
\emendation *4*, 485
\emendations 129, 201, 202, 220, 221, 226, 317, 389, 498, 501, 502, 506, 507, 541–545, 547, 549–551
\emendationscontentsname 196, 197, 199, 222, 321
\emendationsheadername 193–195, 206, 210, 211
\emendationsname 190–192, 216
\emendationsonfalse 143
\emendationsontrue 200
\emendationsparafalse 414
\emendationsparamode *6*, 415
\emendationsparatrue 415
\end 178, 216, 253, 522, 535, 648
\endcsname 2, 10, 613–616, 620, 621, 625, 629, 634, 639, 643, 650–652, 656, 657, 659, 663, 665, 674, 676, 686–688, 700, 709, 711–713, 716–718, 722, 747–752, 754, 756–758, 761, 762, 764, 765
\endgroup 47, 123, 130, 137, 537, 551, 565, 630, 758
\endnote 297
\endnoteheadersonfalse 277
\endnoteheadersontrue 279, 285
\endnotespagestyle 70
\enmrconditionalpar . . . 691, 711, 717
\enmrendnotemarker 406, 408, 410
\explanations 136, 239, 240, 257, 258, 263, 335, 384, 470, 473, 474, 478, 479, 555–559, 561, 563–565
\explanationscontentsname 234, 235, 237, 259, 339
\explanationsheadername 231–233, 244, 247, 248
\explanationsname 228–230, 253
\explanationsparafalse 416
\explanationsparamode *6*, 417
\explanationsparatrue 417
\explanatory *4*, 457
\explanonfalse 142
\explanontrue 238

F

\font 309–311

G

\G@refundefinedtrue 25, 35
\goodbreak 526, 542, 556, 749

H

\hyphenationforsmall 309, 316, 334, 352
\hyphenchar 309–311

I

\if 693
\if@enotesopen 286
\if@mainmatter 582
\if@twocolumn 596
\ifemendationson 143, 314, 320, 388, 487
\ifemendationspara 414, 500, 505
\ifendnoteheaderson 277
\ifexplanationspara . . . 416, 472, 477
\ifexplanon . . . 142, 332, 338, 383, 459
\ifn@temarkinmargin 397, 433, 443, 461, 471, 489, 499, 702, 710
\ifn@temarkintext 399, 705
\ifnotemarkinmargin 403
\ifnotesbychapteron . . . 571, 576, 605
\ifnotesincontentson 110, 182, 220, 257, 290, 656
\ifnum 581
\ifparamode 684, 692
\ifpoemcontentson 319, 337, 355
\ifrefundefined 1, 24, 34

\iftextnoteson 141, 350, 356, 378, 419, 431
\iftextnotespara 412, 444, 449
\iftitleinnotes 512, 530, 546, 560, 573, 602, 753
\ifx 2

L

\language 180, 218, 255
\lefthyphenmin 180, 218, 255
\leftmark 61, 63
\literalemend 125, 203, 510
\literalemendation *4*
\literalexplain 132, 241, 483
\literalexplanatory *4*
\literaltextnote *4*, 118, 165, 276, 425, 454
\long 21, 43

M

\m@kenewnoteif 612, 727
\m@ne 581
\makeemendations *3*, 190, 282
\makeenmrendnotemarker 407, 438, 466, 494, 681
\makeevenfoot 73, 80
\makeevenhead 71, 76
\makeexplanatorynotes . . . *3*, 228, 281
\makemargreflabel 373, 379, 384, 389, 665
\makeoddfoot 74, 81
\makeoddhead 72, 78
\makepagestyle 70, 75
\maketextnotes *3*, 112, 280
\marginpar 375, 393
\marginparwidth 367
\margrefemendation 387, 490
\margrefexplanatory 382, 462
\margrefmarker 370–372, 375, 393, 408, 420, 432, 460, 488, 701
\margrefspecial 392
\margreftextnote 367, 426, 434
\mark 106, 176, 213, 250, 270, 644
\markboth 100
\meaning 122, 129, 136, 629
\multiplepageabbrev . 54, 55, 59, 63, 68
\mymarks 51, 77, 78, 90, 91, 173, 174, 210, 211, 247, 248

N

\n@temarkinmarginfalse 402
\n@temarkinmargintrue 398, 401
\n@temarkintextfalse 401
\n@temarkintexttrue 400, 402
\n@wentryfortoc 655, 736
\n@wliteralwrite 624, 731
\n@wmargrefkind 662, 738
\n@wnotecommand 699, 745
\n@wnotecounter 670, 740
\n@wnoteheadingmaterial . . . 633, 734
\n@woutputstream 619, 729
\n@wparaboolean 673, 742
\n@wputmargref 675, 703
\n@wputnotenum 678, 706
\n@wsetparamode 685, 743
\Needspace 527, 543, 557, 750
\newlinechar 121, 128, 135, 628
\newpage 158
\newtoks 51, 54, 56, 145, 146, 149, 152, 190, 193, 196, 228, 231, 234, 370, 406
\next 120, 122, 127, 129, 134, 136, 627, 629
\nopagebreak 536, 550, 564, 757
\normalfont 178, 181, 215, 219, 252, 256, 647, 651
\notemarkinmargin *6*, 401
\notemarkinmargintrue 403
\notemarkintext *6*, 402
\notesbychapter *3*, 571, 761
\notesbychapteronfalse 571
\notesbychapterontrue 572, 580
\notescontentsname 185, 187, 223, 225, 260, 262, 292, 293, 295
\notesheadername 77, 78, 90, 91, 145, 150, 168, 206, 244, 640
\notesincontents *4*, 110
\notesincontentsonfalse 110
\notesincontentsontrue 111
\numberline . . . 186, 224, 261, 294, 586

O

\oldtheendnotes 304, 307

P

\paramodefalse 652, 684
\paramodetrue 688
\poemcontents 321, 323, 325, 339, 341, 343, 357, 359, 361
\protect 25, 35, 186, 224, 261, 294, 586, 594, 595
\protected@xdef 302
\providecommand . . . 1, 8, 13, 17, 23, 33
\putemendations *3*, 309
\putenmrnotemarkerintext 409, 439, 467, 495, 682
\putexplanatory *3*, 331
\puttextnotes *3*, 349

R

\refstepcounter 583
\resetemendations *4*, 539, 569
\resetendnotes . . *3*, 567, 578, 607, 762
\resetexplanatory *4*, 553, 570
\resettextnotes *4*, 523, 568
\rightmark 61–63

S

\setcounterfrompageref 33, 98, 104, 268
\setcounterfromref 23
\setmargref . . . 374, 380, 385, 390, 666
\setmargrefmarker 372
\setstyleforchapternotebegin . *3*, 512
\setstyleforchapternoteend *3*, 519, 522
\setupendnoteheaders *2*, 277
\singlepageabbrev 51–53, 62, 67, 375, 393, 446, 474, 502, 713
\smallskip 325, 343, 361
\space 26, 36, 584
\stepcounter . . . 297, 299, 421, 436, 441, 464, 469, 492, 497, 679, 708
\strip 117, 122, 129, 136, 629
\styleforchapternotebegin 513, 518, 528, 544, 558, 751
\styleforchapternoteend 515, 520, 534, 549, 563, 756

T

\textnote *4*, 418
\textnotes 122, 163, 164, 182, 183, 188, 268, 270, 274, 353, 379, 422, 423, 442, 445, 446, 450, 451, 525–529, 531, 533–537
\textnotescontentsname 152–154, 184, 357
\textnotesheadername 149, 151, 168, 173, 174
\textnotesonfalse 141
\textnotesontrue 162
\textnotesparafalse 412
\textnotesparamode *6*, 413
\textnotesparatrue 413
\textsuperscript 410, 451, 480, 507, 719
\the . . 46, 62, 63, 67, 68, 77, 78, 90, 91, 168, 173, 174, 178, 184, 206, 210, 211, 216, 222, 244, 247, 248, 253, 259, 292, 321, 339, 357, 375, 393, 408, 410, 446, 474, 502, 529, 545, 559, 713, 752
\theallendnotes 99, 105, 299, 421, 424, 441, 447, 469, 475, 497, 503, 708, 714
\thechapter 524, 529, 531, 540, 545, 547, 554, 559, 561, 574, 584, 586, 603, 752, 754
\theendnote 302
\theendnotes 304, 305
\theenmrnotescratchcount 408, 451, 480, 507, 719
\themargrefnumber 373, 375
\thenotepageholder 100, 101, 106
\thenotepageholdertitle 271
\thispagestyle 167, 205, 243, 288, 306, 637
\titleinnotestrue 512
\titleref 531, 547, 561, 754
\toks@ 45, 46
\tolerance 180, 218, 255
\typeout 584

X

\xdef 46