The pagenote package*

Author: Peter Wilson, Herries Press Maintainer: Will Robertson will dot robertson at latex-project dot org

2009/09/03

Abstract

The pagenote package provides notes similar to footnotes except that they are typeset on a different page. These are often called end notes.

Unless the memoir class is being used, the package requires the ifmtarg package.

Contents

1	Introduction	1
	The pagenote package 2.1 Options	2 2 2
3	The package code	4
	3.1 Preliminaries	4
	3.2 Options	1
	3.3 Main code	Ę

1 Introduction

End notes are often used instead of footnotes so as not to interrupt the flow of the main text. The pagenote package provides for such notes. Although end notes are normally put at the end of the document, they may instead be put at the end of each chapter (or section if the document class does not support chapters).

The simple use is like this:

\documentclass{...}
\usepackage{pagenote}
\makepagenote

^{*}This file (pagenote.dtx) has version number v1.1a, last revised 2009/09/03.

```
...
\begin{document}
...\pagenote{An end note} ...
...\pagenote{Another note} ...
\chapter{Notes}
\printnotes
\end{document}
```

Section 2 describes the usage of the pagenote package and commented source code is in Section 3.

This manual is typeset according to the conventions of the LATEX DOC-STRIP utility which enables the automatic extraction of the LATEX macro source files [GMS94].

2 The pagenote package

The general principal is that notes are written out to a file which is then input at the place where the notes are to be printed. The note file has an **ent** extension, like the table of contents file has a **toc** extension.

2.1 Options

The package has the following options.

continuous By default, note numbers are reset at each main division in the document. When the **continuous** option is used, the numbering is continuous throughout the document.

page By default page numbers are not available for reference within the notes. When the page option is used, the page number where a note was inserted is available. If this option is used, there must be a page break between the last note and the printed list of notes.

2.2 Commands

Generally speaking, the following descriptions assume that a class that provides \chapters has been used. If you use a class that only provides \sections, the details are in the source code in Section 3 (the memoir class provides \chapters that look like \sections from the article class).

\makepagenote

If you want to have page/end notes, the \makepagenote command must be put in the preamble. Among other things, this sets up the note ent file.

\printnotes \printnotes*

The \printnotes command will cause the ent file to be closed for any new notes, and then \input in order to print the collected notes. After \printnotes no more notes will be collected, so use it after all are done.

Similarly, the starred version of the command causes the ent file to be closed and the \input, but afterwards a new set of notes may be saved in the ent file. For example, you could put \printnotes* at the end of each chapter.

Because of how TeX writes information to files, when the page option is used there must be no notes on the page where \printnotes or \printnotes* closes the ent file. If necessary, a \clearpage or similar must be used before the \print....

\pagenote

There are two common methods of identifying an end note:

- Like a footnote, put a number in the text at the location of the note and use the same number to identify the note when it finally gets printed.
- Put no mark in the text, but when it is finally printed use a few words from the text to identify the origin of the note. The page number is often used as well with this method.

\pagenote $[\langle id \rangle]$ { $\langle text \rangle$ } is used where you want a note to be inserted, although it will not be printed there. The $\langle text \rangle$ argument is the contents of the note. The optional $\langle id \rangle$ argument can be used if you want to use something other than a number to identify the source of the note when it finally gets printed.

\notenumintext

A counter, pagenote, may be used to indicate the location of a note in the text (like the footnote counter). The macro \notenumintext{ $\langle num \rangle$ } is called by \pagenote to print the pagenote number. By default it is printed as a superscript, but this can be changed, or even eliminated.

In documents with \chapters, the pagenote counter is reset for each chapter, otherwise it is reset for each \section.

\noteentrv

The \pagenote $[\langle id \rangle]$ { $\langle text \rangle$ } macro writes $\verb|\noteentry|{|\langle notenum\rangle|}|{|\langle id\rangle|}|{|\langle text\rangle|}|{|\langle pagenum\rangle|}|$

to the ent file, where $\langle notenum \rangle$ is the note number (from the pagenote counter), $\langle id \rangle$ and $\langle text \rangle$ are as supplied to \pagenote, and if the page option is used, (pagenum) is the page number, otherwise it is empty. The \noteentry macro controls the typesetting of the note.

\prenoteinnotes \noteidinnotes \pageinnotes \noteinnotes

\postnoteinnotes

The default definition of \noteentry is

\newcommand{\notentry}[4]{% \prenoteinnotes \noteidinnotes{#1}{#2}% \pageinnotes{#4}% \noteinnotes{#3}% \postnoteinnotes}

The macros \prenoteinnotes and \postnoteinnotes are used to start and end the typesetting of the note — effectively typesetting each note as a paragraph; their definitions can be changed if need be.

The macro \noteidinnotes $\{\langle notenum \rangle\} \{\langle id \rangle\}$ is designed to typeset the note number and/or the note id (from the optional $\langle id \rangle$ argument to \pagenote).

The macro $\parbox{pageinnotes} \{ \langle pagenum \rangle \}$ is used for typesetting (or ignoring) the page number where the note was specified, and $\noteinnotes{\langle text \rangle}$ sets the actual note $\langle text \rangle$.

Any or all of these may be changed to suit your needs.

\notedivision \notesname

When \printnotes (or \printnotes*) is called the first thing it does is call the macro \notedivision. By default, for chaptered documents this is defined as:

\newcommand*{\notedivision}{\chapter{\notesname}}
with:

\newcommand*{\notesname}{Notes}

In other words, it will print out a heading for the notes that will be read from the ent file. \print... then closes the ent file for writing and after this \inputs it to get and process the notes.

\addtonotes \pagenotesubhead

The macro $\addtonotes\{\langle text \rangle\}$ inserts $\langle text \rangle$ into the ent file. For example, before the first note in a chapter, \addtonotes is used to insert $\pagenotesubhead\{\langle num \rangle\}\{\langle title \rangle\}$ into the file where $\langle num \rangle$ is the new chapter number, and $\langle title \rangle$ is either empty or, if the memoir class is used, is the chapter title as it appears in the table of contents. This macro is used to typeset a heading for each set of notes. By default it will resolve to something like: $\subsection\{Chapter 3 ...\}$

Note: As the argument to \pagenote and \addtonotes is moving you may have to \protect any fragile commands. If you get strange error messages, try using \protect and see if they go away.

\chaptername \sectionname \pagename

The command \chaptername is supplied by the LaTeX classes that provide \chapter divisions and is defined to produce 'Chapter'. The macros \sectionname and \pagename are provided by this package, producing respectively 'Section' and 'page'.

The package is set up under the assumption that notes will only be printed at the end of the document. If you intend to put them at the end of each chapter, then you will probably want to change the definitions of the \notedivision and \pagenotesubhead macros. For example:

\renewcommand*{\notedivision}{\section*{\notesname}}
\renewcommand*{\pagenotesubhead}[2]{}

and remember to use \printnotes* at each place you want the current set of notes to be printed.

3 The package code

3.1 Preliminaries

Announce the name and version of the package, which requires LATEX 2_{ε} .

- 1 ⟨***usc**⟩
- 2 \NeedsTeXFormat{LaTeX2e}
- 3 \ProvidesPackage{pagenote}[2009/09/03 v1.1a page/end notes]

The ifmtarg package is required (which is included within the memoir class).

 ${\tt 4 \classloaded\{memoir\}\{}{\tt NequirePackage\{ifmtarg\}\}}$

5

The following \if... command is for distinguishing between chaptered and simpler documents. Page/end notes are more appropriate when there are chapters.

```
\ifpnhaschapter
```

```
6 \newif\ifpnhaschapter 7 \@ifundefined{chapter}{\pnhaschapterfalse}{\pnhaschaptertrue}
```

\f@rtoc

In the memoir class this holds the chapter title as it should appear in the ToC. We need to make sure that it is defined.

```
9 \providecommand{\f@rtoc}{}
10
```

3.2 Options

\ifpnpageopt \ifpncontopt

\ifpnpageopt We need two flags for the options.

```
11 \newif \in \mathbb{1}
```

12 \pnpageoptfalse

 $13 \neq 13$

14 \pncontoptfalse

15

Process the options.

```
16 \DeclareOption{page}{\pnpageopttrue}
```

17 \DeclareOption{continuous}{\pncontopttrue}

 $18 \ProcessOptions$

19

3.3 Main code

\c@pagenote \thepagenote We need a counter for the notes. Just how it is defined depends on the continuous option or the class.

```
20 \ifpncontopt
```

21 \newcounter{pagenote}

22 \else

23 \ifpnhaschapter

24 \newcounter{pagenote}[chapter]

25 \else

26 \newcounter{pagenote}[section]

27 \fi

28 **\fi**

29 \renewcommand{\thepagenote}{\arabic{pagenote}}

 $30 \sl pagenote \} \{0\}$

\c@pnotesavechap

We also need a counter for document divisions to check if we are in a new one. Initialise it to an 'impossible' value.

31 \newcounter{pnotesavechap}

32 \setcounter{pnotesavechap}{-1000}

33

```
34 \newif\ifmakingpagenotes
                                 \makingpagenotesfalse
                            This sets up the note file. At the end it emasculates itself so it can only be used
             \makepagenote
                             once.
                             37 \newcommand*{\makepagenote}{%
                                 \newwrite\@notefile
                                 \immediate\openout\@notefile=\jobname.ent
                                 \makingpagenotestrue
                            Make sure that this has a useful definition.
                 \pagenote
                                 \def\pagenote{\@bsphack\begingroup
                             42
                                   \@sanitize
                                   \@wrpnote}%
                             43
                                 \typeout{Writing note file \jobname.ent}%
                             44
                                 \let\makepagenote\@empty}
                             45
\immediate@protected@write
                             We might have to do some immediate writes. This is an immediate version of the
                             kernel \protected@write.
                             47 \newcommand{\immediate@protected@write}[3]{%
                             48
                                 \begingroup
                             49
                                 #2%
                             50
                                 \let\protect\@unexpandable@protect
                                 \edef\reserved@a{\immediate\write#1{#3}}%
                             51
                                 \reserved@a
                             52
                                 \endgroup
                             53
                                 \if@nobreak\ifvmode\nobreak\fi\fi}
                             54
                 \@pnwrite
                            If the page option is used we cannot use an immeditae write because the page
                             number is only known in the output routine.
                             56 \ifpnpageopt
                                \let\@pnwrite\protected@write
                             58 \else
                                 \let\@pnwrite\immediate@protected@write
                             60 \fi
                            This writes the note information to the note file. It first increments the note
                             counter and calls \notenumintext to handle its appearance in the body text.
                             62 \newcommand{\@wrpnote}[2][]{%
                                 \refstepcounter{pagenote}%
```

\notenumintext{\thepagenote}%

\ifmakingpagenotes Need to check if notes are required.

```
Check if this is the first note in a division, and if so indicate this in the file.
                                                      \ifpnhaschapter
                                                           \ifnum\value{pnotesavechap}=\value{chapter}\else
                                           67
                                                                \setcounter{pnotesavechap}{\value{chapter}}%
                                           68
                                                                \addtonotes{\pagenotesubhead{\thechapter}{\f@rtoc}}%
                                                           \fi
                                           69
                                           70
                                                     \else
                                                           71
                                           72
                                                                \setcounter{pnotesavechap}{\value{section}}%
                                           73
                                                                \addtonotes{\pagenotesubhead{\thesection}{}}%
                                           74
                                                           \fi
                                           75
                                                     \fi
                                           Finally, write the entry.
                                                      \@pnwrite\@notefile{}
                                           77
                                                           {\time \note entry {\time } {\#1}{\#2}{\time }} 
                                           78
                                                      \endgroup
                                                      \@esphack}
                                           79
                                          The user command to generate a note.
               \pagenote
                                           81 \end{area} \end{area} 81 \end{area} area \end{area}
             \@pagenote
                                           83 \ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\
          \addtonotes
                                           \addtonotes{\langle text \rangle} puts \langle text \rangle into the notes file.
                                           85 \newcommand{\addtonotes}[1]{%
                                                     \ifmakingpagenotes
                                           87 \IfFileExists{\jobname.ent}{\@pnwrite\@notefile{}{#1}}{\pnofilewarn}%
                                           88 \fi}
                                           89
  \notenumintext
                                           \notenumintext{\langle notenum\rangle} typesets \langle notenum\rangle (in the body text).
\notenuminnotes
                                           90 \newcommand{\notenumintext}[1]{%
                                                     \textsuperscript{#1}}
                                           \notenuminnotes{\langle notenum \rangle} typesets \langle notenum \rangle (as part of the note).
                                           92 \newcommand{\notenuminnotes}[1]{%
                                                     {\normalfont #1.} }
                                          \noteentry{\langle notenum\rangle}{\langle id\rangle}{\langle pagenum\rangle}{\langle text\rangle} \ typesets \ a \ note.
             \noteentry
                                           94 \newcommand{\noteentry}[4]{%
                                                     \prenoteinnotes
                                                     \note id innotes {\#1}{\#2} \cap {\#4} \cap {\#3}\%
                                           96
                                                      \postnoteinnotes}
                                           97
```

```
\textinnotes \textinnotes \{\langle id \ text \rangle\} typesets the note's \langle id \ text \rangle.
                                         99 \newcommand{\textinnotes}[1]{%
                                                  [#1] }
                                      \noteidinnotes{\langle notenum \rangle}{\langle id \rangle} is used to typeset the note identification (in
    \noteidinnotes
                                         the note listing). It is set so that it typesets the \langle id \rangle if it is not empty, otherwise
                                         it sets the \langle notenum \rangle.
                                       101 \newcommand{\noteidinnotes}[2]{%
                                                  \@ifmtarg{#2}{%
                                                       \notenuminnotes{#1}}{\textinnotes{#2}}}
                                       103
               \pagename \pageinnotes\(\rho pageinnotes\)\(\rho pageinnotes\)\(\r
                                      note), but the page number is not trustworthy unless the page option is used.
        \pageinnotes
                                       104 \providecommand*{\pagename}{page}
                                       105 \newcommand{\pageinnotes}[1]{%
                                                 \ifpnpageopt (\pagename\ #1) \fi}
        \noteinnotes \noteinnotes \{\langle text \rangle\} is used to typeset the note's text (in the note list).
                                       107 \newcommand{\noteinnotes}[1]{#1}
  \prenoteinnotes These are called immediately before and after the note information is typeset.
\verb|\postnoteinnotes|| 109 \verb|\newcommand{\prenoteinnotes}{\par}| 
                                       110 \newcommand{\postnoteinnotes}{\par}
                                       111
             \notesname Heading for note list.
      \verb|\notedivision||_{112} \verb|\providecommand*{\notesname}{\{Notes\}}|
                                       113 \ifpnhaschapter
                                                 \newcommand*{\notedivision}{\chapter{\notesname}}
                                       116
                                                 \newcommand*{\notedivision}{\section{\notesname}}
                                       117 \fi
                                       118
           \printnotes User commands to print the note file.
        \printnotes* 119 \newcommand*{\printnotes}{\@ifstar{\@sprintnotes}}
        \pnofilewarn Warning when the notes file does not exist.
                                       120 \newcommand*{\pnofilewarn}{%
                                                 \PackageWarning{pagenote}{There is no .ent file}}
                                       121
                                       122 %
                                       123 % \begin{macro}{\@sprintnotes}
                                       124 % Macro implementing |\printnotes*|.
                                                          \begin{macrocode}
                                       125 %
                                       126 \newcommand*{\@sprintnotes}{%
                                       127
                                                  \ifmakingpagenotes
                                       128
                                                  \notedivision
```

```
129 \IfFileExists{\jobname.ent}{%
                        \immediate\closeout\@notefile
                   130
                        \input{\jobname.ent}%
                        \immediate\openout\@notefile=\jobname.ent%
                   132
                   133
                        }{%
                        \pnofilewarn
                   134
                  135 }%
                  136 \fi}
                  137
    \@printnotes
                  Macro implementing \printnotes.
                   138 \newcommand*{\@printnotes}{%
                        \ifmakingpagenotes
                  140
                        \notedivision
                   141 \IfFileExists{\jobname.ent}{%
                        \immediate\closeout\@notefile
                   142
                   143
                        \input{\jobname.ent}%
                   144
                        }{%
                        \pnofilewarn
                   145
                   146 }
                  147 \fi}
                   148
                   The section heading before each set of notes.
     \chapterame
    \verb|\sectionname| 149 \verb|\providecommand*{\chaptername}{\chapter}|
\pagenotesubhead 150 \providecommand*{\sectionname}{Section}
                   151 \ifpnhaschapter
                        \DeclareRobustCommand{\pagenotesubhead}[2]{%
                  152
                   153
                           \subsection*{\chaptername\ #1 #2}}
                  154 \ensuremath{\setminus} else
                        \verb|\DeclareRobustCommand{\pagenotesubhead}[2]{\normale}
                  155
                          \subsection*{\sectionname\ #1}}
                  156
                  157 \fi
                  158
                       The end of this package.
                   159 (/usc)
```

References

[GMS94] Michel Goossens, Frank Mittelbach, and Alexander Samarin. *The LaTeX Companion*. Addison-Wesley Publishing Company, 1994.

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.

${f Symbols}$	I	\pagenotesubhead
\@bsphack 41, 81	\if@nobreak 54	\dots 3, 68, 73, 149
\@esphack 79, 83	\IfFileExists	\pncontoptfalse 14
\@ifclassloaded 4	\dots 87, 129, 141	\pncontopttrue 17
\@ifmtarg 102	\ifmakingpagenotes .	\pnhaschapterfalse 7
\@ifstar 119	<u>34</u> , 86, 127, 139	\pnhaschaptertrue 7
\@ifundefined 7	\ifpncontopt <u>11</u> , 20	\pnofilewarn 87, <u>120</u> , 145
\@notefile 38, 39,	\ifpnhaschapter	\pnpageoptfalse 12
76, 87, 130, 132, 142	<u>6, 23, 65, 113, 151</u>	\pnpageopttrue 16
\@pagenote 81, <u>83</u>	\ifpnpageopt <u>11</u> , 56, 106	\postnoteinnotes
\@pnwrite <u>56,</u> 76, 87	\immediate	
\@printnotes 119, <u>138</u>	39, 51, 130, 132, 142	\prenoteinnotes
\@sanitize 42, 81	\immediate@protected@writ	:e 3, 95, <u>109</u>
\@sprintnotes		\printnotes . 2 , 119 , 124
119, 123, 126	<u>=:</u> , ••	\printnotes* 2, <u>119</u>
\@unexpandable@protect	\mathbf{M}	\protected@write 57
50	\makepagenote $2, 37$	\providecommand . 9,
\@wrpnote 43, <u>62</u>	\makingpagenotesfalse	104, 112, 149, 150
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		$\ProvidesPackage \dots 3$
	\makingpagenotestrue 40	
\ 106, 153, 156	/	\mathbf{R}
100, 100, 100	${f N}$	$\RequirePackage \dots 4$
${f A}$	\newif $6, 11, 13, 34$	\reserved@a 51, 52
\addtonotes $3, 68, 73, 85$	\	
(ddd0000000000000000000000000000000000	\newwrite 38	Q
(uuussassas o, oo, ro, <u>oo</u>	\normalfont 93	S \section 116
C		\section 116
	$\verb normalfont 93 \\$	\section 116 \sectionname 4, <u>149</u>
\mathbf{C}	$\label{eq:continuous} $$\operatorname{normalfont} \dots 93$ $$\operatorname{notedivision} \dots $$$	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$
C \c@pagenote <u>20</u>	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\section 116 \sectionname 4, <u>149</u>
${f C}$ \c@pagenote $\underline{20}$ \c@pnotesavechap $\underline{31}$	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$
$ \begin{array}{c} \mathbf{C} \\ \texttt{\c0pagenote} & \dots & \underline{20} \\ \texttt{\c0pnotesavechap} & \underline{31} \\ \texttt{\chapter} & \dots & \underline{114} \\ \texttt{\chapterame} & \dots & \underline{149} \\ \end{array} $	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\section
$ \begin{array}{c} \mathbf{C} \\ \texttt{\colored} & \underline{20} \\ \texttt{\colored} & \underline{31} \\ \texttt{\chapter} & \underline{114} \\ \texttt{\chapterame} & \underline{149} \\ \texttt{\chaptername} & 4, 149, 153 \\ \end{array} $	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\section
$ \begin{array}{c} \mathbf{C} \\ \texttt{\c0pagenote} & \dots & \underline{20} \\ \texttt{\c0pnotesavechap} & \underline{31} \\ \texttt{\chapter} & \dots & \underline{114} \\ \texttt{\chapterame} & \dots & \underline{149} \\ \end{array} $	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\section
$ \begin{array}{c} \mathbf{C} \\ \texttt{\colored} & \underline{20} \\ \texttt{\colored} & \underline{31} \\ \texttt{\chapter} & \underline{114} \\ \texttt{\chapterame} & \underline{149} \\ \texttt{\chaptername} & 4, 149, 153 \\ \end{array} $	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\section
C \c@pagenote	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\section
C \c@pagenote	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\section
C \c@pagenote	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\section
C \c@pagenote 20 \c@pnotesavechap 31 \chapter 114 \chapterame 149 \chaptername 4, 149, 153 \closeout 130, 142 D \DeclareRobustCommand 152, 155	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\section
C \c@pagenote	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\section
C \c@pagenote	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\section
C \c@pagenote 20 \c@pnotesavechap 31 \chapter 114 \chapterame 149 \chaptername 4, 149, 153 \closeout 130, 142 D \DeclareRobustCommand 152, 155	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	\section