

# The `fn2end.sty` style

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The `fn2end.sty` package converts footnotes into end notes, where a lot of publishers want them. It does so by redefining the action of the `\footnote` command. Instead of putting footnotes at the bottom of the page, the notes are written to a file with extension `end`, whence they may be retrieved when desired. To handle footnotes on the title page flexibly, `\footnote` is not redefined until the `\makeendnotes` command is issued. Place the command `\theendnotes` where you want the notes to appear: after the last footnote, usually right before the bibliography. The `\theendnotes` command merely `\inputs` the `end` file, it does *not* create a new section or a new page. If you do create a notes section with the `\section` command, you should follow it with an `\indent` command. Otherwise, the first note will be the only note that does not start with an indented paragraph.

There are now user renewable commands. The length `\noteskip` is the space between the note number and the start of the note text. By default it is 1 em. Change its value with the `\setlength` command. You can use `\renewcommand` to change `\notenumformat`, which formats the note number. By default it is defined as

```
\newcommand{\notenumformat}[1]{\$#1\$}
```

If you want the end note numbers to appear as superscripts with periods, you could

```
\renewcommand{\notenumformat}[1]{\${}^{\#1.}\$}
```

Successive `\makeendnotes` commands overwrite the notes file. This is a feature, not a bug. For example:

```
\makeendnotes

\chapter{One}
blah
\section*{Notes}\indent
\theendnotes
```

```
\makeendnotes

\chapter{Two}
blah
\section*{Notes}\indent
\theendnotes
```

etc, can be used to put notes at the end of each chapter. (This is perverse because it makes the notes nearly impossible to find, but some publishers like it.)

Additionally, `\restorefootnotes` restores the normal behavior of footnotes, so that if you really wanted to, you could have a title page for each chapter with acknowledgment footnotes on the bottom, and thereafter have end notes for the rest of the material in the chapter.

*Bug:* Since `\` is catcoded to 12 for verbatim copying, if your footnote's text contains an unequal number of `\{'s` and `\}'s`, for instance, if you have a `\left\{` balanced by a `\right.` as in

$$x^+ = \begin{cases} x & \text{if } x \geq 0 \\ 0 & \text{if } x \leq 0. \end{cases}$$

then `TEX` believes you have unmatched braces and does not figure out where the argument of the `\footnote` command ends. (Believe it or not, this happened to me the first time I tried to use the style.) *Workaround:* Use `\lbrace` and `\rbrace` in your footnotes instead of `\{` and `\}`.