The poetrytex package

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March 2, 2016
v3.0.1

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Introduction

The poetrytex package is designed to aid in the formatting and typesetting of anthologies of poetry.

History

The package started out as a collection of macros for automating simple tasks that I often had to perform while working on a collection of poetry and prose. After a time, I decided to turn it into an STY file which would be geared more towards the idea of an anthology or a collection of works and less about typesetting the verse itself (for which there were already several good packages on CTAN). While the file was small this worked well—Learning to use the package was easily accomplished by reading the annotated source code (generated via a modified version of Jeremy Ashkenas' literate programming tool 'docco'). However, as the source and scope of the project grew I decided to move away from docco and start working on a proper package that would use more traditional TEX-style docs. As of version 2.0.0, I began using semantic versioning to track releases.

License / about the source

This project may be distributed and/or modified under the conditions of the LATEX Project Public License, either version 1.3c of this license or (at your opinion) any later version. The latest version of this license is in:

`http://www.latex-project.org/lppl.txt`

and version 1.3c or later is part of all distributions of LATEX version 2008/05/04 or later.

Contributions are welcome, and the latest development version of the project can always be found at `https://bitbucket.org/SamWhited/poetrytex`.

Acknowledgements

A special thanks is in order for Brittany Taylor. Though she probably has no idea what TEX is, or that this project even exists, it is due mostly to her influence that it ever got off the ground. Secondly: to Sarah Snyder, who helped me to start writing again after many wasted years, and is always obliging when I want to lose at Scrabble.

Package building and loading

1 ⟨∗poetrytex⟩

Building Before building poetrytex you should verify that the following dependencies are installed (note that you do not need to include these lines in your project; just install the packages mentioned):

```
\RequirePackage{expl3}
\RequirePackage{tocloft}
```

Once you have all the required packages, building poetrytex from source can be accomplished in multiple ways. If the Makefile is present running `make help` will tell you everything you need to know. To manually extract the files and generate the documentation simply run `pdflatex` or XeLaTeX against poetrytex.dtx:

```
pdflatex poetrytex.dtx
```

You can also use the `--shell-escape` option to generate documentation which includes the current git commit short-hash in the version number:

```
pdflatex --shell-escape poetrytex.dtx
```

It should be noted that this option is extremely unsafe and you should only use it if you understand the risks.

Loading Using poetrytex in your project works exactly as you'd expect:

```
\usepackage{poetrytex}
```

poemsintoc
numbertop
numbertoc
numberpoems
usedefaulttitles
useincipits
clearpageafterpoem
clearpageafterannotation

The package can also be loaded with any of the following options. If you're unsure what an option does, check the documentation for the macro that is associated with it in the code below:

```
\DeclareOption{poemsintoc}{\listpoemsintoc}
\DeclareOption{numbertop}{\numbertop}
\DeclareOption{numbertoc}{\numbertoc}
\DeclareOption{numberpoems}{\numberpoems}
\DeclareOption{usedefaulttitles}{\usedefaulttitles}
\DeclareOption{useincipits}{\useincipits}
\DeclareOption{clearpageafterpoem}{\clearpageafterpoem}
\DeclareOption{clearpageafterannotation}{\clearpageafterannotation}
```

For instance:

```
\usepackage[numberpoems,clearpageafterpoem]{poetrytex}
```

Document setup and structure

The poetrytex package is fairly simple as far as TeX packages go, so it's worth taking a look at how it works internally.

Environment setup and defaults

First we setup our environment, define some useful properties, and choose some default values for those properties.

Title page

We'll start with the title page:

\pttitle
\ptsubtitle
\ptauthor
\ptdate

These properties will affect the appearance of \maketitle:

```
\newcommand*{\pttitle}{Title}
\newcommand*{\ptsubtitle}{Subtitle}
\newcommand*{\ptauthor}{Author}
\newcommand*{\ptdate}{\today}
```

Since we define them as commands, you can change the appearance of your title page by redefining them in your preamble like so:

```
\renewcommand*{\pttitle}{My Title}
\renewcommand*{\ptauthor}{The Author}
```

We then use these properties to set the document title, author, and date:

```
\title{%
  \beforetitle\pttitle\aftertitle%
  \ifx\ptsubtitle\@ptundefined%
    \relax%
  \else%
    \\*\beforesubtitle\ptsubtitle\aftersubtitle%
  \fi%
}
\author{\beforeauthor\ptauthor\afterauthor}
\date{\beforedate\ptdate\afterdate}
```

Since \maketitle clears the internal title, author, and date we use the \pt equivalents so that we can refer to them again later, or redefine them throughout the document—in anthologies with works by multiple authors, for instance.

Poem config

\@ptpoemlabeltext

Each time you create a poem in your document we automatically assign it a special label that can be used to link to it later. This label is prefixed with \@ptpoemlabeltext to prevent it from conflicting with user defined labels, or labels defined in other packages.

```
\newcommand*{\@ptpoemlabeltext}{poetrytexpoem:}
```

Chances are you'll never need to touch this.

poemnum
absolutepoemnum
untitledpoemnum
absoluteuntitledpoemnum
titledpoemnum
absolutetitledpoemnum
poemgroupnum

The poemnum and absolutepoemnum counters will be incremented every time we include a poem in our document and can be used later to number the poems. The absolutepoemnum counter will never be reset by poetrytex while poemnum will be be reset to 0 at the beginning of a new poemgroup. The untitledpoemnum and absoluteuntitledpoemnum are similar except that they are only incremented when the poem does not have a title.

```
\newcounter{poemnum}
\newcounter{absolutepoemnum}
\newcounter{untitledpoemnum}
\newcounter{absoluteuntitledpoemnum}
\newcounter{titledpoemnum}
\newcounter{absolutetitledpoemnum}
\newcounter{poemgroupnum}
```

\poemvspace

Sometimes you might want to insert a certain amount of vertical space before every poem. For instance, maybe you have several poems without titles and you need a visual cue to let your readers know that a new poem is starting. This can be acomplished by setting \poemvspace:

```
\newlength{\poemvspace}
\setlength{\poemvspace}{0em}
```

\pttitleleftspace
\pttitlerightspace
\ptsubtitleleftspace
\ptsubtitlerightspace

To indent the poems title or subtitle to the left or the right, set the length of \pttitleleftspace and \pttitlerightspace.

```
\newlength{\pttitleleftspace}
\setlength{\pttitleleftspace}{0em}
\newlength{\pttitlerightspace}
\setlength{\pttitlerightspace}{0em}
\newlength{\ptsubtitleleftspace}
\setlength{\ptsubtitleleftspace}{0em}
\newlength{\ptsubtitlerightspace}
\setlength{\ptsubtitlerightspace}{0em}
```

\usedefaulttitles
\nousedefaulttitles
\ptdefaulttitle
\useincipits
\nouseincipits

The default title for poems that don't include one. If \usedefaulttitles is called the default title will be displayed above the poem itself as well as in the table of contents. Otherwise the title is left blank. We can also use incipits in the ToP by calling \ptuseincipits. This will override the default title in the ToP, but will not be displayed atop the poem itself.

```
\newcommand*{\usedefaulttitles}{\newcommand*{\@ptusedefaulttitles}{}}
\newcommand*{\nousedefaulttitles}{\let\@ptusedefaulttitles\@ptundefined}
\newcommand*{\ptdefaulttitle}{%
  Untitled No. \arabic{absoluteuntitledpoemnum}%
}
\newcommand*{\useincipits}{\newcommand*{\@ptuseincipits}{}}
\newcommand*{\nouseincipits}{\let\@ptuseincipits\@ptundefined}
```

\ptdefaultenv
\pttitleenv

These macros contain the names of the default environments in which we should wrap poems and poem titles.

```
\newcommand*{\ptdefaultenv}{verse}
```

```
\newcommand*{\pttitleenv}{center}
```

\ptdefaultgroupenv
\grouppagestyle
\pregroupvspace
\postgroupvspace

The following macros can be used to configure how the poem group page looks.

```
\newcommand*{\ptdefaultgroupenv}{center}
\newcommand*{\grouppagestyle}{empty}
\newlength{\pregroupvspace}
\newlength{\postgroupvspace}
\setlength{\pregroupvspace}{\fill}
\setlength{\postgroupvspace}{\fill}
```

Annotation config

annotationnum
absoluteannotationnum

Like their poem counterparts, these counters are incremented each time an annotation is created and the non-absolute version may be reset when the poem group changes.

```
\newcounter{annotationnum}
\newcounter{absoluteannotationnum}
```

\ptannotationenv

This contains the name of the default environment in which we should wrap annotations.

```
\newcommand*{\ptannotationenv}{flushleft}
```

Dedication

After your title page you might want to add a dedication page.

\ptdedication
\makededication

As with the \pttitle and author commands you can simply redefine \ptdedication to change the dedication text.

To create a dedication page, the \makededication command can be called. By default, this command aligns everything to the right using the flushright environment, however, by adding an optional argument you can specify another environment to wrap the dedication in.

```
\newcommand*{\ptdedication}{Renew \textsf{\textbackslash ptdedication}}
\newcommand*{\makededication}[1][flushright]{%
  \thispagestyle{empty}
  \vspace*{\prededicationvspace}
  \begin{#1}
    \beforededication{\dedicationformat\ptdedication}\afterdedication
  \end{#1}
  \vspace*{\postdedicationvspace}
}
```

For example, you might do something like the following:

```
\renewcommand*{\ptdedication}{%
Frontmatter haiku:\\*
This is dedicated to\\*
Someone else, not you.
}
\makededication[center]
```

Frontmatter haiku:
This is dedicated to
Someone else, not you.

Tables and links

Next we setup the table of contents and list of poems:

`\listofpoems` `\resetnumon`

The `\listofpoems` command is nothing more than a convenient alias for `\listofpoem` as defined by the tocloft package. We can reset poem numbering at a given point by redefining the `\resetnumon` macro.

```
\newcommand*{\resetnumon}{}
\newlistof[\resetnumon]{poem}{top}{\topname}
\newcommand*{\listofpoems}{\listofpoem}
```

`\topname` `\topentrytype` `\toptocentrytype`

The value of `\topname` will be rendered atop the Table of Poems, and `\topentrytype` will set the default entry type for poems in the ToP. `\toptocentrytype` sets the default entry type for the ToP in the ToC.

```
\newcommand*{\topname}{List of Poems}
\newcommand*{\topentrytype}{subsection}
\newcommand*{\toptocentrytype}{section}
```

`\listpoemsintoc` `\nolistpoemsintoc` `\tocentrytype`

Using these commands you can cause poems to be listed in the ToC and set the entry type just like the ToP. By default, the ToC entry type is set to `\topentrytype`.

```
\newcommand*{\listpoemsintoc}{\newcommand*{\@ptlistpoemsintoc}{}}
\newcommand*{\nolistpoemsintoc}{\let\@ptlistpoemsintoc\@ptundefined}
\newcommand*{\tocentrytype}{\topentrytype}
```

We then set the `secnumdepth` and `tocdepth` counters to disable chapter, section, and subsection numbering, and to limit the maximum depth of entries in the ToC.

```
\setcounter{secnumdepth}{-1}
\setcounter{tocdepth}{2}
\renewcommand*{\listtablename}{\topname}
```

`\maketoc` `\maketop` `\maketop*`

Once you've configured the ToC and ToP you probably want to insert them into your document somewhere. While you could just use the LaTeX command `\tableofcontents` for the ToC, we provide an alternative that adds a bit of formatting and clears the page. By default the ToP creates a listing for itself in the ToC—using the star modifier prevents this. An example table of poems can be found at the end of this document.

```
\newcommand*{\maketoc}{%
  \beforetoc
```

```
  \tableofcontents
  \pagestyle{plain}
  \aftertoc
  \clearpage
  \thispagestyle{empty}
}
\newcommand*{\maketop}{\@ifstar{\@ptmaketopStar}{\@ptmaketopNoStar}}
\newcommand*{\@ptmaketopStar}{%
  \cleardoublepage
  \beforetop
  \listofpoems
  \pagestyle{plain}
  \aftertop
  \clearpage
}
\newcommand*{\@ptmaketopNoStar}{%
  \cleardoublepage
  \beforetop
  \phantomsection
  \addcontentsline{toc}{\toptocentrytype}{\topname}
  \listofpoems
  \pagestyle{plain}
  \aftertop
  \clearpage
}
```

\numbertop
\numbertoc
\nonumbertop
\nonumbertoc

Placing one of these commands in your document preamble will cause the table of poems or table of contents to be numbered (or stop them from being numbered).

```
\newcommand*{\numbertop}{\newcommand*{\@ptnumbertop}{}}
\newcommand*{\numbertoc}{\newcommand*{\@ptnumbertoc}{}}
\newcommand*{\nonumbertop}{\let\@ptnumbertop\@ptundefined}
\newcommand*{\nonumbertoc}{\let\@ptnumbertoc\@ptundefined}
```

Hooks and formatting

A great many commands are provided to act as hooks into various parts of poetrytex. These commands don't do anything initially, but can be redefined to customize the way poetrytex behaves.

Title page

\beforetitle
\aftertitle
\beforesubtitle
\aftersubtitle
\beforeauthor
\afterauthor
\beforedate
\afterdate

These hooks get inserted before or after elements on the title page or dedication. If the element has formatting, they will be inserted outside of the formatted block, but inside of any enclosing environments.

```
\newcommand*{\beforetitle}{}
\newcommand*{\aftertitle}{}
\newcommand*{\beforesubtitle}{}
\newcommand*{\aftersubtitle}{}
```

```
\newcommand*{\beforeauthor}{}
\newcommand*{\afterauthor}{}
\newcommand*{\beforedate}{}
\newcommand*{\afterdate}{}
```

Dedication

\dedicationformat
\prededicationvspace
\postdedicationvspace
\beforededication
\afterdedication

Redefine \dedicationformat to change how the dedication text is formatted. You can change the length of the vspace around the dedication by redefining \prededicationvspace and \postdedicationvspace or redefine the beforededication and afterdedication hooks to insert content around the dedication text.

```
\newcommand*{\dedicationformat}{\normalfont\itshape}
\newlength{\prededicationvspace}
\newlength{\postdedicationvspace}
\setlength{\prededicationvspace}{\fill}
\setlength{\postdedicationvspace}{\fill}
\newcommand*{\beforededication}{}
\newcommand*{\afterdedication}{}
```

Tables and links

\beforetoc
\aftertoc
\beforetop
\aftertop

Several hooks are provided which allow you to insert content before or after the tables:

```
\newcommand{\beforetoc}{}
\newcommand{\aftertoc}{}
\newcommand{\beforetop}{}
\newcommand{\aftertop}{}
```

Poem group

\beforepoemgroup
\afterpoemgroup

The following hooks occur before and after a new poem group.

```
\newcommand*{\beforepoemgroup}{\cleardoublepage}
\newcommand*{\afterpoemgroup}{\clearpage}
```

Poems and annotations

Now that we've got all the boilerplate, configuration, titles, tables, and properties out of the way, it's time to move on to the core functionality of poetrytex: displaying and organizing poems!

The poem environment

poem

Inserting a poem or other writing into your anthology is accomplished by wrapping it in the poem environment. This environment takes in two arguments, the title and subtitle (or author, date, etc.) of the poem.

```
\newenvironment{poem}[3][\ptdefaultenv]{%
```

\@ptwrapenvironment

By default poem re-wraps your text in the verse environment. However, this can be changed by passing in an optional argument with the name of another environment to wrap it in (eg. center) or, for all poems, by redefining ptdefaultenv.

```
  \newcommand*{\@ptwrapenvironment}{#1}
```

For example, a poem wrapped in the center environment might look like this:

```
\begin{poem}[center]
{The Sea Bell}{J.R.R. Tolkien}
I walked by the sea,
and there came to me,\\
as a star-beam on the wet sand,\\
a white shell like a sea-bell;\\
trembling it lay
in my wet hand.\\
In my fingers shaken
I heard waken\\
a ding within, by a harbour bar\\
a buoy swinging, a call ringing\\
over endless seas,
faint now and far\ldots
\end{poem}
```

The Sea Bell
J.R.R. Tolkien

I walked by the sea, and there came to me,
as a star-beam on the wet sand,
a white shell like a sea-bell;
trembling it lay in my wet hand.
In my fingers shaken I heard waken
a ding within, by a harbour bar
a buoy swinging, a call ringing
over endless seas, faint now and far...

\incipit
\incipit*

An incipit can be declared within the poem environment using the \incipit command. This will reprint the first argument so you don't have to write your first line twice. This is useful for untitled poems as you can put their incipit in the ToP in place of a default title. \incipit* will declare an incipit but will not reprint its argument, for cases where the incipit differs from the actual line.

```
\newcommand*{\incipit}{%
  \@ifstar{%
    \@ptincipitStar
  }{%
    \@ptincipitNoStar
  }
}
\newcommand*{\@ptincipitNoStar}[1]{%
  \global\expandafter\def%
    \csname%
      @poem\arabic{absolutepoemnum} incipit%
    \endcsname{##1}%
  ##1%
}
```

```
\newcommand*{\@ptincipitStar}[1]{%
  \global\expandafter\def%
    \csname%
      @poem\arabic{absolutepoemnum} incipit%
    \endcsname{##1}%
}
```

`\theincipit` After an incipit has been declared, this will expand to the text of the incipit for the current poem.

```
\newcommand*{\theincipit}{%
  \csname @poem\arabic{absolutepoemnum} incipit\endcsname%
}
```

This poem has a (slightly modified) default title and an incipit in the ToP:

```
\usedefaulttitles
\useincipits
\renewcommand*{\ptdefaulttitle}{%
Untitled \textnumero\
\arabic{absoluteuntitledpoemnum}%
}
\begin{poem}{}{Traditional}
\incipit{Media vita in morte%
  sumus};\\*
Quem qu\ae rimus adjutorem nisi%
  te, Domine?\\*
Qui pro peccatis nostris juste%
  irasceris\\*
Sancte Deus, Sancte fortis,%
  Sancte et misericors
  Salvator,\\*
Amar\ae morti ne tradas nos.
\end{poem}
```

Untitled № 1

Traditional

Media vita in morte sumus;
Quem quærimus adjutorem nisi te, Domine?
Qui pro peccatis nostris juste irasceris
Sancte Deus, Sancte fortis, Sancte et misericors Salvator,
Amaræmorti ne tradas nos.

Now we render the page header, title, and the actual poem:

```
  \addtocounter{poemnum}{1}
  \addtocounter{absolutepoemnum}{1}
  \poetryheadings
  \ifx&#2&%
    \addtocounter{untitledpoemnum}{1}
    \addtocounter{absoluteuntitledpoemnum}{1}
  \else
    \addtocounter{titledpoemnum}{1}
    \addtocounter{absolutetitledpoemnum}{1}
  \fi
  \vspace*{\poemvspace}
  \begin{\pttitleenv}
    \refstepcounter{poem}%
    \phantomsection%
    \addcontentsline{top}{\topentrytype}{%
      \ifx\@ptnumbertop\@ptundefined%
```

```
      \relax%
    \else%
      \toppoemnum%
    \fi%
    \ifx&#2&%
      \ifx\@ptuseincipits\@ptundefined%
        \ptdefaulttitle%
      \else%
        {\incipittopformat \theincipit}%
      \fi%
    \else%
      #2%
    \fi%
  }%
  \ifx\@ptlistpoemsintoc\@ptundefined%
    \relax%
  \else%
    \addcontentsline{toc}{\tocentrytype}{%
      \ifx\@ptnumbertoc\@ptundefined%
        \relax%
      \else%
        \tocpoemnum%
      \fi%
      \ifx&#2&%
        \ifx\@ptuseincipits\@ptundefined%
          \ptdefaulttitle%
        \else%
          {\incipittocformat \theincipit}%
        \fi%
      \else%
        #2%
      \fi%
    }%
  \fi%
  \ifx\hypertarget\@ptundefined%
    \relax%
  \else%
    \hypertarget{\@ptpoemlabeltext\arabic{absolutepoemnum}}{}%
  \fi%
  {\poemtitleformat%
    \ifx\@ptnumberpoems\@ptundefined
      \relax
    \else
      \titlepoemnum
    \fi%
    \ifx&#2&%
      \ifx\@ptusedefaulttitles\@ptundefined%
        \relax%
      \else%
        \hspace*{\pttitleleftspace}\ptdefaulttitle%
        \hspace*{\pttitlerightspace}\\*%
      \fi%
    \else
      \hspace*{\pttitleleftspace}#2\hspace*{\pttitlerightspace}\\*%
```

```
      \fi%
    }%
    \hspace*{\ptsubtitleleftspace}#3\hspace*{\ptsubtitlerightspace}
  \end{\pttitleenv}
  \nopagebreak
  \begin{\@ptwrapenvironment}
    \begingroup\setlength{\parskip}{\stanzaparskip}%
}{%
    \endgroup
  \end{\@ptwrapenvironment}%
  \ifx\@ptclearpageafterpoem\@ptundefined%
    \relax%
  \else%
    \clearpage%
  \fi%
}
```

Formatting poems

The poem environment provides some reasonable defaults for formatting your work but chances are you want a little more control.

Headings

\poetryheadings

Every time a new poem environment is created we automatically call \poetryheadings. By redefining this you can change how your headings look, use packages like fancyhdr, or remove headers from poem pages altogether.

```
\newcommand*{\poetryheadings}[0]{%
  \pagestyle{myheadings}
  \markboth{\ |\ \textsc{\pttitle}\hfill }
           {\hfill\textsc{\ptgroup}\ |\ }
}
```

Numbering

\numberpoems
\nonumberpoems

This command determines if the poems should display their number above the title. Generally these should be called from the preamble but they can be defined at any point in your document to change how numbering works, or to turn on numbering from that point forward.

```
\newcommand*{\numberpoems}{\newcommand*{\@ptnumberpoems}{}}
\newcommand*{\nonumberpoems}{\let\@ptnumberpoems\@ptundefined}
```

Using \numberpoems results in:

```
\numberpoems
\numbertop

\begin{poem}{The Highwayman}
{Alfred Noyes}
The wind was a torrent of
darkness among the gusty trees,\\
The moon was a ghostly galleon
tossed upon cloudy seas,\\
The road was a ribbon of
moonlight over the purple moor%
\ldots
\end{poem}
```

3
The Highwayman
Alfred Noyes

The wind was a torrent of darkness among the gusty trees,
The moon was a ghostly galleon tossed upon cloudy seas,
The road was a ribbon of moonlight over the purple moor . . .

`\titlepoemnum` `\toppoemnum` `\tocpoemnum`

These commands are used to insert the poem number into the poem title, the table of poems, and the table of contents respectively. By redefining them you can customize how the numbering looks.

```
\newcommand*{\titlepoemnum}{\arabic{absolutepoemnum}\\*}
\newcommand*{\toppoemnum}{\arabic{absolutepoemnum}.\ }
\newcommand*{\tocpoemnum}{\toppoemnum}
```

If we want to use uppercase roman numerals on the poems, and lowercase roman numerals in the `Table of Poems`, we could redefine them like so:

```
\numberpoems
\numbertop
\renewcommand*{\titlepoemnum}{%
  \unskip\Roman{poemnum}\\}
\renewcommand*{\toppoemnum}{
  \unskip\roman{poemnum}.\ }

\begin{poem}%
{The Lady of Shalott}%
{Alfred Tennyson (1842)}
On either side the river lie\\
Long fields of barley and
of rye,\\
That clothe the wold and meet
the sky;\\
And through the field the road
runs by\\
To many-towered Camelot;\\
And up and down the people go,\\
Gazing where the lilies blow\\
Round an island there below,\\
The island of Shalott---
\end{poem}
```

IV
The Lady of Shalott
Alfred Tennyson (1842)

On either side the river lie
Long fields of barley and of rye,
That clothe the wold and meet the sky;
And through the field the road runs by
To many-towered Camelot;
And up and down the people go,
Gazing where the lilies blow
Round an island there below,
The island of Shalott—

Spacing and indentation

\stanzaparskip

This length is used to change the `parskip` within a poem environment.

```
\newlength{\stanzaparskip}
\setlength{\stanzaparskip}{0.7em}
```

\clearpageafterpoem
\noclearpageafterpoem
\clearpageafterannotation
\noclearpageafterannotation

`clearpageafterpoem` and `clearpageafterannotation` cause the page to be cleared after every poem environment or annotation environment respectively.

```
\newcommand*{\clearpageafterpoem}{\newcommand*{\@ptclearpageafterpoem}{}}
\newcommand*{\clearpageafterannotation}{\newcommand*{\@ptclearpageafterannotation}{}}
\newcommand*{\noclearpageafterpoem}{\let\@ptclearpageafterpoem\@ptundefined}
\newcommand*{\noclearpageafterannotation}{\let\@ptclearpageafterannotation\@ptundefined}
```

\ptgap
\ptind
\ptind*

The \ptgap length and \ptind command are two of those places where poetrytex strays a bit into the realm of poetry typesetting. They overlap with the verse package's \vgap and \vin commands and insert indentation at at the beginning of a line. This is useful for typesetting poems consistently when the verse package is not loaded. Redefine \ptgap to change the length that \ptind indents by. The starred version of `ptind` uses \hspace*.

```
\newlength{\ptgap}
\setlength{\ptgap}{2em}
\newcommand*{\ptind}{%
  \@ifstar{%
    \@ptindStar
  }{%
    \@ptindNoStar
  }
}
\newcommand*{\@ptindStar}{\hspace*{\ptgap}}
\newcommand*{\@ptindNoStar}{\hspace{\ptgap}}
```

Using it works something like this:

```
\setlength{\ptgap}{2em}
\begin{poem}[flushleft]{PoE\TeX}
{An {\tipaencoding
/Ig"zA:mp@l/} poem}
There once was a poem called%
PoE\TeX\\*
That's name sounded somewhat%
{\tipaencoding /p@"TEtEk/}.\\*
\ptind It was really quite%
sad,\\*
\ptind to see pronunciation%
so bad,\\*
And to read such a terrible%
{\tipaencoding /"lIme(@)rEk/}!
\end{poem}
```

PoETEX

An /ɪgˈzɑːmpəl/ poem

There once was a poem called PoETEX
That's name sounded somewhat
/pəˈθɛtɛk/.
    It was really quite sad,
    to see pronunciation so bad,
And to read such a terrible
/ˈlɪme(ə)rɛk/!

Style

\poemtitleformat By redefining \poemtitleformat we can change how the poem title is rendered.

```
\newcommand*{\poemtitleformat}{\normalfont\bfseries\large}
```

This can be used for everything from changing the font size to adding interesting effects:

```
\renewcommand*{\poemtitleformat}
{\normalfont\bfseries%
{\rule{5em}{0.2em}}\\*}
\begin{poem}{Excelsior}
{Henry Wadsworth Longfellow\\*
 1841}
The shades of night were falling%
fast,\\*
As through an Alpine village%
passed\\*
A youth, who bore, ‘mid snow and
ice,\\*
A banner with the strange%
device,\\*
Excelsior!
\end{poem}
```

Excelsior
Henry Wadsworth Longfellow
1841

The shades of night were falling fast,
As through an Alpine village passed
A youth, who bore, ‘mid snow and ice,
A banner with the strange device,
Excelsior!

\incipittopformat \incipittocformat Similarly we can change how the incipit is rendered in the Table of Poems or Table of Contents:

```
\newcommand*{\incipittopformat}{\itshape}
\newcommand*{\incipittocformat}{\incipittopformat}
```

If you want a stylistic marker between two poems, or between sections or stanzas within a poem, the following commands are your friend.

\ptspacergap \ptspacerchar ptspacernum The ptspacergap length is the indentation of the spacer, and \ptspacerchar is the actual character that will be printed ptspacernum times.

```
\newlength{\ptspacergap}
\setlength{\ptspacergap}{4em}
\newcommand*{\ptspacerchar}{\S}
\newcounter{ptspacernum}
```

\ptspacer \ptspacer* The starred version of the ptspacer command uses \hspace* for indention.

```
\newcommand*{\ptspacer}{%
  \@ifstar{%
    \@ptspacerStar
  }{%
    \@ptspacerNoStar
  }
}
\newcommand*{\@ptspacerStar}{%
```

```
  \hspace*{\ptspacergap}%
  \@ptrepeat{\value{ptspacernum}}{\ptspacerchar}%
}
\newcommand*{\@ptspacerNoStar}{%
  \hspace{\ptspacergap}%
  \@ptrepeat{\value{ptspacernum}}{\ptspacerchar}%
}
\ExplSyntaxOn
\cs_new_eq:NN \@ptrepeat \prg_replicate:nn
\ExplSyntaxOff
```

For example:

```
\renewcommand{\ptspacerchar}{\o}
\setcounter{ptspacernum}{2}
\begin{poem}{The Love Song%
of J. Alfred Prufrock}
{T.S. Eliot}
\ldots I should have been a pair%
of ragged claws\\
Scuttling across the floors of%
silent seas.

\ptspacer

And the afternoon, the evening,
sleeps so peacefully!\\
Smoothed by long fingers,\\
Asleep\ldots\ tired\ldots\ or%
it malingers,\\
Stretched on the floor, here%
beside you and me\ldots
\end{poem}
```

The Love Song of J. Alfred Prufrock

T.S. Eliot

. . . I should have been a pair
of ragged claws
Scuttling across the floors of
silent seas.

øø

And the afternoon, the
evening, sleeps so peace-
fully!
Smoothed by long fingers,
Asleep. . . tired. . . or it ma-
lingers,
Stretched on the floor, here
beside you and me. . .

Groups and linking

When putting together a large collection of poetry and prose you most likely need a way to organize your works and find them quickly. While the table of poems helps we might also want to link directly to poems, or further subdivide the collection into groups of related works (by year written, or subject matter for instance).

`\linktopoem` We can *link to poems* easily enough by providing `linktopoem` with the text for the link and, optionally, the number of the poem to link to. If only one argument is given it is used as both the link destination and text. This macro only works if the hyperref package is loaded; otherwise, text is just passed through.

```
\newcommand*{\linktopoem}[2][ptnull]{%
  \ifx\hyperlink\@ptundefined
    #2\relax%
```

```
  \else
    \ifx{#1}{ptnull}
      \hyperlink{\@ptpoemlabeltext#2}{#2}\relax
    \else
      \hyperlink{\@ptpoemlabeltext#1}{#2}\relax
    \fi
  \fi
}
```

\ptgroup
\poemgroup
\poemgroup*
\setpoemgroup
\setpoemgroup*

Dividing poems up into groups can be accomplished with the \poemgroup command. The command creates a title-page for the group at the current location and adds entries to the ToP and ToC unless the starred version of the command is used. The \ptgroup command will always contain a reference to the current group in case you need to refer to it later. If you want to change the group, but don't want to create a title page, use the \setpoemgroup command. The starred version also doesn't add an entry in the ToP and ToC.

```
\newcommand*{\ptgroup}{}
\newcommand*{\poemgroup}[1]{%
  \addtocounter{poemgroupnum}{1}
  \setcounter{poemnum}{0}
  \setcounter{untitledpoemnum}{0}
  \setcounter{titledpoemnum}{0}
  \setcounter{annotationnum}{0}
  \beforepoemgroup
  \vspace*{\pregroupvspace}
  \renewcommand*{\ptgroup}{#1}
  \pagestyle{\grouppagestyle}
  \begin{\ptdefaultgroupenv}
    \@ifstar{%
      \@ptpoemgroupStar{#1}
    }{%
      \@ptpoemgroupNoStar{#1}
    }
  \end{\ptdefaultgroupenv}
  \vspace*{\postgroupvspace}
  \afterpoemgroup
}
\newcommand*{\@ptpoemgroupStar}[1]{%
  \section*{#1}
}
\newcommand*{\@ptpoemgroupNoStar}[1]{%
  \section{#1}
  \addcontentsline{top}{section}{#1}
}
\newcommand*{\setpoemgroup}[1]{%
  \addtocounter{poemgroupnum}{1}
  \setcounter{poemnum}{0}
  \setcounter{untitledpoemnum}{0}
  \setcounter{titledpoemnum}{0}
  \setcounter{annotationnum}{0}
  \renewcommand*{\ptgroup}{#1}
  \@ifstar{%
```

```
    \relax%
  }{%
    \@ptsetpoemgroupNoStar{#1}
  }
}
\newcommand*{\@ptsetpoemgroupNoStar}[1]{%
  \addcontentsline{top}{section}{#1}
  \addcontentsline{toc}{section}{#1}
}
```

The annotation environment

annotation

Annotations allow you to insert prose that relates to a specific poem into your document. It uses \annotationheadings (see below), clears the page twice, and adds itself to the ToC (but not the ToP). The page is also cleared again after the annotation.

Like the poetry environment, an optional first argument can be used to specify the environment in which the annotation will be wrapped. The default is flushleft and can be changed by redefining \ptannotationenv.

```
\newenvironment{annotation}[2][\ptannotationenv]{%
  \newcommand*{\@ptwrapenvironment}{#1}
  \cleardoublepage
  \addtocounter{annotationnum}{1}
  \addtocounter{absoluteannotationnum}{1}
  \annotationheadings
  \begin{\@ptwrapenvironment}
  \subsection{#2}
  \nopagebreak
}{%
  \end{\@ptwrapenvironment}%
  \ifx\@ptclearpageafterannotation\@ptundefined%
    \relax%
  \else%
    \clearpage%
  \fi%
}
```

Formatting annotations

Headings

\annotationheadings

The \annotationheadings macro is automatically called every time a new annotation environment is created. By default, it simply calls \poetryheadings, but it can be redefined to give your annotation pages a different heading style than your poem pages.

```
\newcommand*{\annotationheadings}[0]{\poetryheadings}
```

Now that everything is defined we can process any options that were passed in by the user:

```
\ProcessOptions\relax
⟨/poetrytex⟩
```

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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.

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Change History

1.0

General: Converted package to dtx . . . 3

Removed fontspec / xelatex dependency . . . 4

\ptspacer: Repeat \ptspacernum times . . . 17

1.1

General: Added an example table of poems . . . 27

\linktopoem: Fix spacing and multiple use issues . . . 18

\makededication: Added optional 'environment' argument . . . 7

annotation: Added optional 'environment' argument . . . 20

1.2

General: Added various package options . . . 4

Removed parskip dependency . . . 4

Removed default hyperref options . . . 4

\linktopoem: Use hyperlink when linking to a poem . . . 18

poem: Use hypertarget instead of label . . . 11

\ptdefaultenv: Added an option to change the default environment . . . 6

1.3

General: Load hyperref at end of package . . . 4

\ptannotationenv: Added an option to change the default annotation environment . . . 7

1.4

\aftertoc: Add hook after table of contents . . . 10

\aftertop: Add hook after table of poems . . . 10

\beforetoc: Add hook before table of contents . . . 10

\beforetop: Add hook before table of poems . . . 10

absoluteuntitledpoemnum: Create a new counter to track of untitled poems . . . 6

untitledpoemnum: Create a new counter to track untitled poems . . . 6

\poemvspace: Allow whitespace before every poem . . . 6

\ptdefaulttitle: Add a default poem title . . . 6

\ptsubtitleleftspace: Add macro to define poem subtitle left hspace . . . 6

\ptsubtitlerightspace: Add macro to define poem subtitle right hspace . . . 6

\pttitleenv: Allow changing of the poem title environment . . . 6

\pttitleleftspace: Add macro to define poem title left hspace . . . 6

\pttitlerightspace: Add macro to define poem title right hspace . . . 6

usedefaulttitles: Add package option to use default titles . . . 4

\titlepoemnum: Add hook for poem number formatting . . . 15

\toppoemnum: Add hook for Table of Poems poem number formatting . . . 15

2.0.0

General: Begin using semantic versioning (semver.org) . . . 4

Refactor hooks into new section . . . 9

Require tcloft package . . . 4

\afterauthor: Add hook after author . . . 9

\afterdate: Add hook after date . . . 9

\afterdedication: Add hook after dedication . . . 10

\afterpoemgroup: Add hook after group . . . 10

\aftersubtitle: Add hook after subtitle . . . 9

\aftertitle: Add hook after title . . . 9

\beforeauthor: Add hook before author . . . 9

\beforedate: Add hook before date . . . 9

\beforededication: Add hook before dedication . . . 10

\beforepoemgroup: Add hook before group . . . 10

\beforesubtitle: Add hook before subtitle . . . 9

\beforetitle: Add hook before title . . . 9
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\incipittopformat: Add hook for incipit formatting in the ToP . . . 17
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\listpoemsintoc: List poems in the table of contents . . . 8
\numbertoc: Number poems in the table of contents . . . 9
poem: Prevent orphan / widow lines in stanzas (Issue #7) . . . 11
poemgroupnum: Create a new counter to track poem groups . . . 6
poemsintoc: Add option to insert poems in the ToC . . . 4
\postdedicationvspace: Add length for setting the post-dedication vspace . . . 10
\postgroupvspace: Allow change in vspace after group . . . 7
\prededicationvspace: Add length for setting the pre-dedication vspace . . . 10
\pregroupvspace: Allow change in vspace before group . . . 7
\ptdefaultgroupenv: Allow changing of the default group environment . . . 7
\resetnumon: Allow user to reset poem nums on counter change . . . 8
useincipits: Add package option to use incipits . . . 4
\theincipit: Allow the user to insert the incipit . . . 12
\tocentrytype: Sets the entry type for poems in the ToC . . . 8
\tocpoemnum: Add hook for Table of Contents poem number formatting . . . 15
\topname: Rename from \toptitle . . . 8
\toptocentrytype: Add hook to change ToP entry type in ToC . . . 8
numbertoc: Add option to number poems in the ToC . . . 4
\useincipits: Add option for using incipits in the ToP . . . 6

2.1.0

General: Removed poetrytex-style.sty (documentation style) . . . 3
\annotationheadings: Allow separate headings on annotation pages . . . 20
absoluteannotationnum: Create a new counter to track annotations . . . 7
absolutetitledpoemnum: Create a new counter to track titled poems . . . 6
titledpoemnum: Create a new counter to track titled poems . . . 6
annotationnum: Create a new counter to track annotations . . . 7

2.2.0

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3.0.0

General: Always reset poemnum on group change . . . 19
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Don't pass unrecognized options to hyperref . . . 4
Remove the redundant 'clearpageafterpoems' option . . . 4
\clearpageafterannotation: Make clearing the page after an annotation optional behavior . . . 16
clearpageafterannotation: Add an option to clear the page after annotations 4
\linktopoem: Don't create links unless hyperref is loaded . . . 18
\noclearpageafterannotation: Add command to stop page clearing after annotations . . . 16
\nolistpoemsintoc: Add macro to stop poems being listed in the ToC . . . 8
\nonumberpoems: Add command to stop numbering poems . . . 14
\nonumbertoc: Add command to stop numbering the ToC . . . 9
\nonumbertop: Add command to stop numbering the ToP . . . 9
\nousedefaulttitles: Add macro to stop using default titles . . . 6
\nouseincipits: Add macro to stop using incipits . . . 6
\setpoemgroup: Add macro to change group without creating a titlepage . . . 19

`\setpoemgroup*`: Add macro to change group without creating a titlepage or adding group to the ToC/ToP 19
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`\toppoemnum`: Use absolute poem nums by default 15
`ptspacernum`: Change ptspacernum into a counter 17
`\usedefaulttitles`: Change name of `\ptusedefaulttitles` to `\usedefaulttitles` 6
`\useincipits`: Change name of `\ptuseincipits` to `\useincipits` 6

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