

The `poetrytex` package

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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 L^AT_EX 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 L^AT_EX version 2008/05/04 or later.

Contributions are welcome, and the latest development version of the project can always be found at <https://github.com/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:

```

2 \RequirePackage{expl3}
3 \RequirePackage{tocloft}
4 \AtEndOfPackage{\RequirePackage{hyperref}}

```

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 `XETEX` 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}
```

The package can also be loaded with any of the following options:

```

verse
poemsintoc
numbertop
numbertoc
resetnumongroup
numberpoems
usedefaulttitles
useincipits
clearpageafterpoem
      5 \DeclareOption{verse}{\usepackage{verse}}
      6 \DeclareOption{poemsintoc}{\listpoemsintoc}
      7 \DeclareOption{numbertop}{\numbertop}
      8 \DeclareOption{numbertoc}{\numbertoc}
      9 \DeclareOption{resetnumongroup}{\resetnumongroup}
     10 \DeclareOption{numberpoems}{\numberpoems}
     11 \DeclareOption{usedefaulttitles}{\ptusedefaulttitles}
     12 \DeclareOption{useincipits}{\ptuseincipits}
     13 \DeclareOption{clearpageafterpoem}{\clearpageafterpoem}
     14 \DeclareOption{clearpageafterpoems}{\clearpageafterpoem}
     15 \DeclareOption*{%
     16   \PassOptionsToPackage{\CurrentOption}{hyperref}%
     17 }

```

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 These properties will affect the appearance of \maketitle:  
\ptsubtitle  
\ptaauthor  
\ptdate  
18 \newcommand*{\pttitle}{Title}  
19 \newcommand*{\ptsubtitle}{Subtitle}  
20 \newcommand*{\ptaauthor}{Author}  
21 \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*{\ptaauthor}{The Author}
```

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

```
22 \title{  
23   \beforetitle\pttitle\aftertitle%  
24   \ifx\ptsubtitle\@ptundefined%  
25     \relax%  
26   \else%  
27     \\\*\beforesubtitle\ptsubtitle\aftersubtitle%  
28   \fi%  
29 }  
30 \author{\beforeauthor\ptaauthor\afterauthor}  
31 \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.
```

```
32 \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` may sometimes be reset to 0 (at the beginning of a new `poemgroup` for instance). The `untitledpoemnum` and `absoluteuntitledpoemnum` are similar except that they are only incremented when the poem does not have a title.

```

33 \newcounter{poemnum}
34 \newcounter{absolutepoemnum}
35 \newcounter{untitledpoemnum}
36 \newcounter{absoluteuntitledpoemnum}
37 \newcounter{titledpoemnum}
38 \newcounter{absolutetitledpoemnum}
39 \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 accomplished by setting `\poemvspace`:

```

40 \newlength{\poemvspace}
41 \setlength{\poemvspace}{0em}

```

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

```

42 \newlength{\pttitleleftspace}
43 \setlength{\pttitleleftspace}{0em}
44 \newlength{\pttitlerightspace}
45 \setlength{\pttitlerightspace}{0em}
46 \newlength{\ptsubtitleleftspace}
47 \setlength{\ptsubtitleleftspace}{0em}
48 \newlength{\ptsubtitlerightspace}
49 \setlength{\ptsubtitlerightspace}{0em}

```

\ptusedefaulttitles The default title for poems that don't include one. If `\ptusedefaulttitles` 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.
\ptdefaulttitle
\ptuseincipits

```

50 \newcommand*{\ptusedefaulttitles}{\newcommand*{\@ptusedefaulttitles}{}}
51 \newcommand*{\ptdefaulttitle}{{\%
52   Untitled No. \arabic{absoluteuntitledpoemnum}\%
53 }%
54 \newcommand*{\ptuseincipits}{\newcommand*{\@ptuseincipits}{}}

```

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

```

55 \newcommand*{\ptdefaultenv}{verse}
56 \newcommand*{\pttitleenv}{center}

```

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

```
\groupstyle  
\pregroupvspace  
\postgroupvspace  
57 \newcommand*\{\ptdefaultgroupenv\}{center}  
58 \newcommand*\{\groupstyle\}{empty}  
59 \newlength{\pregroupvspace}  
60 \newlength{\postgroupvspace}  
61 \setlength{\pregroupvspace}{\fill}  
62 \setlength{\postgroupvspace}{\fill}
```

Annotation config

annotationnum 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.

```
63 \newcounter{annotationnum}  
64 \newcounter{absoluteannotationnum}
```

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

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

Dedication

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

\ptdedication 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.

```
66 \newcommand*\{\ptdedication\}{Renew \textsf{\textbackslash ptdedication}}  
67 \newcommand*\{\makededication\}[1][flushright]{%  
68   \thispagestyle{empty}  
69   \vspace*{\prededicationvspace}  
70   \begin{#1}  
71     \beforededication{\dedicationformat\ptdedication}\afterdedication  
72   \end{#1}  
73   \vspace*{\postdedicationvspace}  
74 }
```

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 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. This should probably not be changed by users directly. Instead, use the built in macro \resetnumongroup.

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

\topname 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.

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

\listpoemsintoc 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.

```
81 \newcommand*{\listpoemsintoc}{\newcommand*{\@ptlistpoemsintoc}{}}  
82 \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.

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

\maketoc Once you've configured the ToC and ToP you probably want to insert them into your document somewhere. While you could just use the L^AT_EX 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.

```
86 \newcommand*{\maketoc}{%  
87   \beforetoc  
88   \tableofcontents  
89   \pagestyle{plain}  
90   \aftertoc  
91   \clearpage  
92   \thispagestyle{empty}  
93 }  
94 \newcommand*{\maketop}{\ifstar{\@ptmaketopStar}{\@ptmaketopNoStar}}  
95 \newcommand*{\@ptmaketopStar}{%
```

```

96  \cleardoublepage
97  \beforetop
98  \listofpoems
99  \pagestyle{plain}
100 \aftertop
101 \clearpage
102 }
103 \newcommand*{\@ptmaketopNoStar}{%
104   \cleardoublepage
105   \beforetop
106   \phantomsection
107   \addcontentsline{toc}{\toptocentrytype}{\topname}
108   \listofpoems
109   \pagestyle{plain}
110   \aftertop
111   \clearpage
112 }

```

`\numbertop` Placing one of these commands in your document preamble will cause the table of poems or table of contents to be numbered.

```

113 \newcommand*{\numbertop}{\newcommand*{\@ptnumbertop}{}}
114 \newcommand*{\numbertoc}{\newcommand*{\@ptnumbertoc}{}}

```

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 These hooks get inserted before or after elements on the title page or dedication.
\aftertitle If the element has formatting, they will be inserted outside of the formatted block,
\beforesubtitle but inside of any enclosing environments.
\aftersubtitle
\beforeauthor
\afterauthor
\beforedate
\afterdate

```

```

115 \newcommand*{\beforetitle} {}
116 \newcommand*{\aftertitle} {}
117 \newcommand*{\beforesubtitle} {}
118 \newcommand*{\aftersubtitle} {}
119 \newcommand*{\beforeauthor} {}
120 \newcommand*{\afterauthor} {}
121 \newcommand*{\beforedate} {}
122 \newcommand*{\afterdate} {}

```

Dedication

```

\dedicationformat Redefine \dedicationformat to change how the dedication text is formatted.
\prededicationvspace You can change the length of the vspace around the dedication by re-
\postdedicationvspace
\beforededication
\afterdedication

```

defining `\prededicationvspace` and `\postdedicationvspace` or redefine the `beforededication` and `afterdedication` hooks to insert content around the dedication text.

```
123 \newcommand*{\dedicationformat}{\normalfont\itshape}
124 \newlength{\prededicationvspace}
125 \newlength{\postdedicationvspace}
126 \setlength{\prededicationvspace}{\fill}
127 \setlength{\postdedicationvspace}{\fill}
128 \newcommand*{\beforededication}{}
129 \newcommand*{\afterdedication}{}  
130 \newcommand{\beforetoc}{}  
131 \newcommand{\aftertoc}{}  
132 \newcommand{\beforetop}{}  
133 \newcommand{\aftertop}{}  
134 \newcommand*{\beforepoemgroup}{\cleardoublepage}  
135 \newcommand*{\afterpoemgroup}{\clearpage}
```

Tables and links

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

```
\beforetop
\aftertop
130 \newcommand{\beforetoc}{}  
131 \newcommand{\aftertoc}{}  
132 \newcommand{\beforetop}{}  
133 \newcommand{\aftertop}{}  
134 \newcommand*{\beforepoemgroup}{\cleardoublepage}  
135 \newcommand*{\afterpoemgroup}{\clearpage}
```

Poem group

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

```
\afterpoemgroup
134 \newcommand*{\beforepoemgroup}{\cleardoublepage}  
135 \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.

```
136 \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`.

```
137 \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.

```
138 \newcommand*{\incipit}[1]{%
139   \@ifstar{%
140     \@ptincipitStar
141   }{%
142     \@ptincipitNoStar
143   }
144 }
145 \newcommand*{\@ptincipitNoStar}[1]{%
146   \global\expandafter\def%
147     \csname%
148       @poem\arabic{absolutepoemnum}\incipit%
149     \endcsname{##1}%
150   ##1%
151 }
152 \newcommand*{\@ptincipitStar}[1]{%
153   \global\expandafter\def%
154     \csname%
155       @poem\arabic{absolutepoemnum}\incipit%
156     \endcsname{##1}%
157 }
```

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

```
158 \newcommand*{\theincipit}{%
159   \csname @poem\arabic{absolutepoemnum}\incipit\endcsname%
160 }
```

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

```
\ptusedefaulttitles
\ptuseincipits
\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%
irasperis\/*
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 irasperis
 Sancte Deus, Sancte fortis,
 Sancte et misericors Sal-
 vator,
 Amaræmorti ne tradas nos.

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

```
161 \addtocounter{poemnum}{1}
162 \addtocounter{absolutepoemnum}{1}
163 \poetryheadings
164 \ifx&#2&%
165   \addtocounter{untitledpoemnum}{1}
166   \addtocounter{absoluteuntitledpoemnum}{1}
167 \else
168   \addtocounter{titledpoemnum}{1}
169   \addtocounter{absolutetitledpoemnum}{1}
170 \fi
171 \vspace*{\poemvspace}
172 \begin{\pttitleenv}
173   \refstepcounter{poem}%
174   \phantomsection%
175   \addcontentsline{top}{\topentrytype}{%
176     \ifx\@ptnumbertop\@ptundefined%
177       \relax%
178     \else%
179       \toppoemnum%
180     \fi%
181   \ifx&#2&%
182     \ifx\@ptuseincipits\@ptundefined%
183       \ptdefaulttitle%
```

```

184      \else%
185          {\incipitformat \theincipit}%
186      \fi%
187      \else%
188          #2%
189      \fi%
190  }%
191 \ifx\@ptlistpoemsintoc\@ptundefined%
192     \relax%
193 \else%
194     \addcontentsline{toc}{\tocentrytype}{%
195         \ifx\@ptnumbertoc\@ptundefined%
196             \relax%
197         \else%
198             \tocpoemnum%
199         \fi%
200     \ifx&#2&%
201         \ifx\@ptuseincipits\@ptundefined%
202             \ptdefaulttitle%
203         \else%
204             {\incipitformat \theincipit}%
205         \fi%
206     \else%
207         #2%
208     \fi%
209  }%
210 \fi%
211 \hypertarget{\@ptpoemlabeltext\arabic{absolutepoemnum}}{}%
212 {\poemtitleformat%
213     \ifx\@ptnumberpoems\@ptundefined%
214         \relax%
215     \else%
216         \titlepoemnum%
217     \fi%
218     \ifx&#2&%
219         \ifx\@ptusedefaulttitles\@ptundefined%
220             \relax%
221         \else%
222             \hspace*{\pttitleleftspace}\ptdefaulttitle%
223             \hspace*{\pttitlerightspace}\%*
224         \fi%
225     \else%
226         \hspace*{\pttitleleftspace}\#2\hspace*{\pttitlerightspace}\%*
227     \fi%
228  }%
229 \hspace*{\ptsubtitleleftspace}\#3\hspace*{\ptsubtitlerightspace}%
230 \end{\pttitleenv}%
231 \nopagebreak%
232 \begin{\ptwrapenvironment}%
233     \begingroup\setlength{\parskip}{\stanzaparskip}%
234 }{%
235     \endgroup%
236 \end{\ptwrapenvironment}%
237 \ifx\@ptclearpageafterpoem\@ptundefined%

```

```

238     \relax
239     \else
240     \clearpage
241     \fi
242 }

```

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.

```

243 \newcommand*{\poetryheadings}[0]{%
244   \pagestyle{myheadings}
245   \markboth{\textsc{\pttitle}\hfill}{\hfill\textsc{\ptgroup}\hskip1ex}
246 }
247 }

```

Numbering

`\resetnumongroup` These commands determine if the non-absolute `poemnum` and `annotationnum` counters should be reset when the poem group changes and 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.

```

248 \newcommand*{\resetnumongroup}{%
249   \newcommand*{@ptresetnumongroup}{}%
250   \renewcommand*{\resetnumon}{\poemgroupnum}%
251 }
252 \newcommand*{\numberpoems}{\newcommand*{@ptnumberpoems}{}}

```

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 pur-
ple moor ...

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

```

253 \newcommand*{\titlepoemnum}{\arabic{poemnum}\,*}
254 \newcommand*{\toppoemnum}{\arabic{poemnum}. \ }
255 \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 be-
low,
The island of Shalott—

Spacing and indentation

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

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

\clearpageafterpoem `clearpageafterpoem` causes the page to be cleared after every poem environment.

```
258 \newcommand*{\clearpageafterpoem}{\newcommand*{\@ptclearpageafterpoem}{}{}}
```

\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 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*`.

```
259 \newlength{\ptgap}  
260 \setlength{\ptgap}{2em}  
261 \newcommand*{\ptind}{%  
262   \Qifstar{  
263     \OptindStar  
264   }{  
265     \OptindNoStar  
266   }  
267 }  
268 \newcommand*{\OptindStar}{\hspace*{\ptgap}}  
269 \newcommand*{\OptindNoStar}{\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 /ɪg'za:mpəl/ poem

There once was a poem called PoETEX
That's name sounded somewhat
/pə'θɛtɛk/.

It was really quite sad,
to see pronunciation so bad,
And to read such a terrible
/'lɪmə(ə)rɛk/!

Style

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

```
270 \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:

```
271 \newcommand*{\incipittopformat}{\itshape}
272 \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.

```
273 \newlength{\ptspacergap}
274 \setlength{\ptspacergap}{4em}
275 \newcommand*{\ptspacerchar}{\$}
276 \newcommand*{\ptspacernum}{3}
```

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

```
\ptspacer*
277 \newcommand*{\ptspacer}{%
278   \@ifstar{%
279     \ptspacerStar
280   }{%
281     \ptspacerNoStar
282   }
283 }
```

```

285   \hspace*\{ptspacergap\}%
286   \@prepeat{\ptspacernum}{\ptspacerchar}%
287 }
288 \newcommand*{\@ptspacernoStar}{%
289   \hspace*\{ptspacergap\}%
290   \@prepeat{\ptspacernum}{\ptspacerchar}%
291 }
292 \ExplSyntaxOn
293 \cs_new_eq:NN \@prepeat \prg_replicate:nn
294 \ExplSyntaxOff

```

For example:

```

\renewcommand{\ptspacerchar}{\o}
\renewcommand{\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.

```

295 \newcommand*{\linktopoem}[2][ptnull]{%
296   \ifx{#1}{ptnull}%
297     \hyperlink{@ptpoemlabeltext#2}{#2}\relax
298   \else

```

```

299     \hyperlink{\@ptpoemlabeltext\#1}{\#2}\relax
300   \fi
301 }

\ptgroup 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.

302 \newcommand*{\ptgroup}={}
303 \newcommand*{\poemgroup}[1]{%
304   \addtocounter{poemgroupnum}{1}
305   \ifx\@ptresetnumongroup\@ptundefined
306     \relax
307   \else
308     \setcounter{poemnum}{0}
309     \setcounter{untitledpoemnum}{0}
310     \setcounter{titledpoemnum}{0}
311     \setcounter{annotationnum}{0}
312   \fi
313   \beforepoemgroup
314   \vspace*{\pregroupvspace}
315   \renewcommand*{\ptgroup}{\#1}
316   \pagestyle{\groupstyle}
317   \begin{\ptdefaultgroupenv}
318     \@ifstar{%
319       \@ptpoemgroupStar\#1
320     }{%
321       \@ptpoemgroupNoStar\#1
322     }
323   \end{\ptdefaultgroupenv}
324   \vspace*{\postgroupvspace}
325   \afterpoemgroup
326 }
327 \newcommand*{\@ptpoemgroupStar}[1]{%
328   \section{\#1}
329 }
330 \newcommand*{\@ptpoemgroupNoStar}[1]{%
331   \section{\#1}
332   \addcontentsline{top}{section}{\#1}
333 }

```

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`.

```
334 \newenvironment{annotation}[2]{\ptannotationenv}{%
335   \newcommand*{\@ptwrapenvironment}{#1}
336   \cleardoublepage
337   \addtocounter{annotationnum}{1}
338   \addtocounter{absoluteannotationnum}{1}
339   \annotationheadings
340   \begin{\@ptwrapenvironment}
341   \subsection{#2}
342   \nopagebreak
343 }{%
344
345   \end{\@ptwrapenvironment}
346   \clearpage
347 }
```

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.

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

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

```
349 \ProcessOptions\relax
350 </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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1.0	General: Converted package to dtx	2
	Removed <code>fontspec</code> / <code>xelatex</code> dependency	2
	<code>\ptspacer</code> : Repeat <code>\ptspacernum</code> times	16
1.1	General: Added an example table of poems	20
	<code>\linktopoem</code> : Fix spacing and multiple use issues	17
	<code>\makdedication</code> : Added optional ‘environment’ argument	6
	<code>annotation</code> : Added optional ‘environment’ argument	18
1.2	General: Added various package options	3
	Removed <code>parskip</code> dependency	2
	Removed default <code>hyperref</code> options	2
	<code>\linktopoem</code> : Use <code>hyperlink</code> when linking to a poem	17
	<code>poem</code> : Use <code>hypertarget</code> instead of <code>label</code>	9
	<code>\ptdefaultenv</code> : Added an option to change the default environment	5
1.3	General: Load <code>hyperref</code> at end of package	2
	<code>\ptannotationenv</code> : Added an option to change the default annotation environment	6
1.4	<code>\aftertoc</code> : Add hook after table of contents	9
	<code>\aftertop</code> : Add hook after table of poems	9
	<code>\beforetoc</code> : Add hook before table of contents	9
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	<code>absoluteuntitledpoemnum</code> : Create a new counter to track of untitled poems	5
	<code>untitledpoemnum</code> : Create a new counter to track untitled poems	5
	<code>\poemvspace</code> : Allow whitespace before every poem	5
	<code>\ptdefaulttitle</code> : Add a default poem title	5
	<code>\ptsubtitleleftspace</code> : Add macro to define poem subtitle left hspace	5
	<code>\ptsubtitlerightspace</code> : Add macro to define poem subtitle right hspace	5
	<code>\pttitleenv</code> : Allow changing of the poem title environment	5
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	<code>\usedefaulttitles</code> : Add package option to use default titles	3
	<code>\titlepoemnum</code> : Add hook for poem number formatting	14
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	Refactor hooks into new section	8
	Require <code>tcloft</code> package	2
	<code>\afterauthor</code> : Add hook after author	8
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\beforetitle:	Add hook before title	8	
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\incipit:	Allow the user to declare an incipit	10	
\incipittocformat:	Add hook for incipit formatting in the ToC	16	
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\listofpoems:	Use custom table for list of poems	7	
\listpoemsintoc:	List poems in the table of contents	7	
\numbertoc:	Number poems in the table of contents	8	
\poem:	Prevent orphan / widow lines in stanzas (Issue #7)	9	
\poemgroupnum:	Create a new counter to track poem groups	5	
\poemsintoc:	Add option to insert poems in the ToC	3	
\postdedicationvspace:	Add length for setting the post-dedication vspace	8	
\postgroupvspace:	Allow change in vspace after group	6	
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\tocpoemnum:	Add hook for Table of Contents poem number formatting	14	
\topname:	Rename from \toptitle	7	
\tptocentrytype:	Add hook to change ToP entry type in ToC	7	
\numbertoc:	Add option to number poems in the ToC	3	
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	\absolutetitledpoemnum:	Create a new counter to track titled poems	5
	\titledpoemnum:	Create a new counter to track titled poems	5
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