

L^AT_EX class and style files for papers published in the journal HSSA

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1 hssa.cls: HSSA class file, user documentation

This code is in the file `hssa.cls`.

The documentation is created by running `hssa-documentation.dtx`, which calls `hssa.cls` and `hssa.sty`, etc.

Class file for the HSSA journal.¹

1.1 Documentation for authors

If you are writing with \LaTeX please observe the following guidelines:

- Use Unicode encoding for your files (i.e., for \XeLaTeX or \LuaTeX)
- Use the standard features of \LaTeX as documented in the standard manual, *\LaTeX : A Document Preparation System* by Leslie Lamport, or in *The Very Short Guide to Typesetting with \LaTeX* by Peter Flynn and Silmaril Consultants (part of the \TeX live distribution and at [CTAN](#)).
- Use logical markup, not presentational markup. That means you mark things as `\chapter{xxx}`, `\footnote{xxx}`, `\sanskrit{xxx}`, `\title{xxx}`, etc., and not `\textbf{xxx}`, `\vspace{5ex}`.
- Do not use `\newcommand` or `\def` to make private commands. If this appears to be unavoidable, please contact the journal editor before proceeding.
- Provide your bibliography entries in \BibTeX format. The journal uses \BibLaTeX , which is flexible. So please do not use any special formatting commands or non-standard bst files. Just use `\cite{xxx}` etc. in the simplest manner.
- If you have tables, keep them simple and don't spend time putting in many horizontal and vertical lines. They will be reformatted for the journal, in any case.

The above advice is also given on the [HSSA website](#).

¹See <http://tug.org/pracjourn/2005-3/asknelly/> for a nice statement of the difference between `.cls` and `.sty` files.

1.2 Documentation for L^AT_EX hackers converting incoming files to HSSA

1.2.1 Prelims

Start off each HSSA article L^AT_EX file with the following macros:

```
\RequirePackage{snapshot}  
\documentclass{hssa}  
\usepackage{hssa}  
\addbibresource{\jobname.bib}
```

Note that the article's bibliography should have the same name as the article, with the extension .bib.

1.2.2 Metadata

Next, use the following commands to capture the metadata for this article:

```
\HSSAissuenum{999}  
\HSSAissuedate{2999}  
\HSSAarticletitle{A Title}  
\HSSAauthorname{A. N. Author}  
\HSSAauthoraddress{University of University}  
\HSSAfirstpage{000}  
\HSSAlastpage{999}  
\DOI{1.2/3.4.5}
```

These commands generate the right text for the front page, the copyright page and the article's title and running header.

If the running header is too long (author's love long titles), use

```
\HSSAshortarticletitle{An abbreviated title}
```

1.2.3 HSSA user macros

Here follow various commands for use in HSSA articles that aren't part of standard L^AT_EX.

`\CE AD, BC, etc.` There are shortcuts for expressing the eras CE and BCE.
`\BCE` These macros also get the fonts right. There are synonyms: use any of the following and the output will look right:

```
\bce
```

\BC
 \BCE
 %
 \ce
 \CE
 \AD

Don't forget to handle the space after these macros appropriately.

\q Use this to make a loud, obnoxious marginal note in bright yellow box. Use it to annotate the PDF proofs for communicating with the author.

\q{} stands for "query," and is a tailored version of `todonotes`. In addition to the yellow box in the margin, it can also build a page index of the notes that you can print at the end of the article with `\listoftodos`.

`miniedition (env.)` **Environments for ślokas and mini-editions** An environment for making apparatus notes to a single śloka or two.

`sloka (env.)` An environment for typesetting Sanskrit verses; pretty much the same as `verse`.

`\MScite` **Citing manuscripts** Cite your manuscripts using the pattern "City, Library, accession number." The `\MScite` macro will print the right thing in your text, while also writing an entry to an alphabetical index of manuscripts that appears at the end of your article. Saying `\MScite{London, Wellcome, α999}` will print "MS London, Wellcome α 999 in your text.

`\MS` `\MS` is a synonym for `\MScite`

`\MSnocite` If you want to put an entry in your index of manuscripts, but you don't want the entry printed in the main text where you're writing, use `\MSnocite`.

`\MSsilent` A synonym for `\MSnocite`.

`\saneng` **Making a lexical index** If you say `\saneng{pūpa}{cake}` then you'll get "cake (*pūpa*)" printed in your main text. Also, an entry will be written to a lexical page index, both Sanskrit-English and English-Sanskrit.

`\ssaneng` `\ssaneng` is a silent version of the same macro that writes the index entries but puts nothing in the main text.

1.2.4 Language-switching

`\textgreek` See the documentation for [Polyglossia](#) for details of how these are used.

`\textenglish`

`\textsanskrit`

These macros switch to the respective languages and scripts (e.g., Devanagari for `\textsanskrit{}`).

`\dev` `\dev` is just an abbreviation for the `\textsanskrit` macro.

`\cjk` This is just a switch, so say `{\cjk X}` where X is a Chinese character.

1.2.5 Citation commands

HSSA uses the Bib_{La}T_EX macros, and the Oxref style for formatting according to the Oxford Hart's Rules guidelines. The NatBib conventions are also loaded, so you can use `\cite`, `\citep` `\citet` in the standard ways, as well as Bib_{La}T_EX's `\footcite`, `\cites`, `\parencites`, etc.

Bibliography and index outputs Say `\printbibliography` at the end of the document.

Here are examples from the end of Speziale's 2019 paper that do more elaborate things.

Index prologue

```
\setlength{\shorthandwidth}{.25\textwidth}
```

```
\indexprologue{\centering\emph{References are to page numbers in this
article.}}
```

Index of manuscripts As indexed using `\MScite` etc.

```
\printindex[manuscripts] % ditto for manuscripts
```

```
\printshorthands % uses features of biblatex-manuscripts-philology
[title=Primary Sources in Manuscripts,
type=manuscript,
% env=details,
%sorting=special,
]
```

Index of editions

```
\printshorthands %
[title=Primary Sources in Printed Editions,
keyword=edition, % flagged as such in the bib file
%prenote=blurb01,
```

```
%sorting=special,
]
```

Index of references

```
\printbibliography
[title=Secondary Sources and Translations,
sorting=nyt,
%keyword=secondary,
notkeyword=edition,
nottype=manuscript,
] % keep the editions in the Text Editions section only
```

`\diatop` **Miscellaneous** Puts more than one accent over a letter. This isn't available in standard L^AT_EX, but we philologists sometimes need it. Say, for example, `\diatop[\'|{\o}]` to get \acute{o} .

`\PreliminaryNote` For that zeroth footnote at the beginning of an article that gives acknowledgments or abbreviations. I prefer to put this material at the end of an article, in a section called "Acknowledgements."

`rotating (env.)` **Rotating pages for big tables and figures** That's pretty much it. You might want to add `\usepackage[figuresright]{rotating}` if you have some tables to go sideways.

`\section` **Standard L^AT_EX sectioning and similar commands** Just use the normal `\section{}` commands, down to `\paragraph`.

`\lettrine` The first line after a section is formatted with an initial drop-cap and small caps, using `\lettrine`. The three arguments are 1. line-drop and over height (always the same), 2. the drop-capital itself, and 3. the remaining letters of the word and some more words up to the end of a phrase. For example

```
\lettrine[lines=2,loversize=.1]{T}{he} object of this contribution is ...
```

How much you include in the phrase is up to you. E.g.,

```
\lettrine[lines=2,loversize=.1]{T}{he object of this contribution} is ...
```


Note that *all* the letters of the phrase should be lowercase. They will be turned into small caps, and uppercase letters won't look right. E.g.,

```
\lettrine[lines=2,loversize=.1]{T}{he mahābhārata and the rāmāyana both feature kṛṣṇa  
%% ...
```

1.2.6 What you get for nothing

In addition to setting up the above commands, the class and style files below will handle the

- colour and layout of the front and back matter,
- the title and section headings,
- the running headers and footers,
- the two-column footnotes
- the use of T_EX Gyre Pagella or other Unicode font in T_EX math mode.

2 hssa.cls: HSSA class file, macro definitions

This code is in the file `hssa.cls`.

See <http://tug.org/pracjourn/2005-3/asknelly/> for a nice statement of the difference between `.cls` and `.sty` files. Here in `hssa.cls`, I'm keeping the code that is part of the core of HSSA's design. I would not expect to change things here much after 2019.

`\NeedsTeXFormat` Declare that we are using the main L^AT_EX2e format.

```
1 \NeedsTeXFormat{LaTeX2e}
```

`\LoadClass` HSSA is based on an 11pt article style:

```
2 \LoadClass[11pt]{article}
```

`\RequirePackage` Here come the packages that HSSA assumes are present.

```
3 \usepackage{hssa-indexing} % has to be loaded before hyperref
4 \RequirePackage{ %
5   graphicx,
6   amsmath,
7   amsfonts,
8   amssymb,
9   textcomp, % arcane LaTeX/NFSS system for subsetting encodings. Needed for
10  % Sigma.
11  metalogox, % for the XeTeX logo etc.
12  wasysym,
13  hyperref,
14  %hyperxmp, % to embed XMP metadata in the PDF;removed because too
15  %%pernickety
16  geometry,
17  array,
18  longtable,
19  polyglossia, % polyglossia calls fontspec
20  multicol,
21  booktabs, % better table spacing, \toprule etc.
22  textcase, % to get \MakeTextLowercase for tweaking the running footer
23  fancyhdr,
24  hssa-biblatex, % bibliography management and formatting
25 }
```

`xcolor` Settings for the `xcolor` package

```
26 \RequirePackage[xetex,
27   dvipdfmx,
28   svgnames,
29   table]
```

```
30 {xcolor}
```

`enumitem` To control the spacing around itemized lists.

```
31 \usepackage{enumitem} % supersedes mdwlist: does it globally
32 \setlist{noitemsep,
33 %labelindent=\parindent,
34 %leftmargin=*,
35 }
```

`\q` Issue notes to the author in the margins of the page proofs. It uses the `todonotes` package.

Define `\q` to be `\empty` for the final run to suppress the display of notes. Put a `\newpage \listoftodos` just before `\end{document}` to help the author with an indexed list to the marginal notes.

```
36 \setlength{\marginparwidth}{2cm} %todonotes manual, section 1.6.5
37 \usepackage[colorinlistoftodos,
38 % disable,
39 %textsize=small,
40 loadshadowlibrary,
41 shadow,
42 backgroundcolor=yellow]{todonotes}
43 \setuptodonotes{fancyline}
44 %
45 \newcommand{\q}[1][{}]{\todo{\footnotesize #1}{}}
```

`\PreliminaryNote` A preliminary numberless “footnote” for abbreviations, grant references, and other general initial statements. But commonly, put this in a little “Acknowledgements” section at the end of the paper.

```
46 \newcommand{\PreliminaryNote}[1]{%
47   {\def\thefootnote{\relax }%
48     \footnotetext{\hspace*{-2.3em} %only if not using \hangfootnotes
49       #1}}}
50 %
51 %DW ?
52 \skip\footins=24pt
53 %DW ?
```

2.1 Set the geometry for the pages

`geometry` Set the geometry for the pages DW

```
54 \geometry{twoside,
55 paperwidth=210mm,
56 paperheight=297mm,
```

```

57  textheight=562pt,
58  textwidth=384pt,
59  centering,
60  headheight=30pt,
61  headsep=18pt,
62  footskip= 42pt, %24pt,
63  footnotesep=24pt plus 2pt minus 12pt,
64 }

```

2.2 Front matter

```

\title I thought about doing something like this:
\author \newenvironment{frontmatter}{}{\maketitle}
\date but then gave that up.

\title
65 \title{\LARGE \@HSSAarticletitle }

\author Put the author's address in a parbox because it may have hard linebreaks
(\\) that can cause trouble. This happened in Speziale 2019. I still don't
know why the linebreak is allowed after the authorname but not in the ad-
dress.
66 \author{\@HSSAauthorname\\ [1ex]
67   \parbox{\textwidth}{\small\centering\emph{\@HSSAauthoraddress}}
68 }

\date No date.
69 \date{\relax }

```

2.3 Running headers and footers

```

\HSSAfooter Variable that collects the text for the footer.
70 \def\HSSAfooter#1 %*%
71   {\gdef\@HSSAfooter{#1}}

\@HSSAtitle Define the title for use on the title page.
72 \newcommand{\@HSSAtitle}{History of Science in South Asia}

\HSSAverso Variable that collects the page header of the verso pages.
73 \def\HSSAverso#1{\gdef\@HSSAverso{#1}}

```

`\HSSArecto` Ditto for the recto, and initialize them both to nothing.

```
74 \def\HSSArecto#1{\gdef\@HSSArecto{#1}}
75 \let\@HSSAverso\@empty
76 \let\@HSSArecto\@empty
```

Now the HSSA journal running headers, footers and cover citation. Set the shorttitle to be the same as `\HSSAverso` unless the author redefines it in the document preamble.

```
77 \HSSAverso{\@HSSAarticletitle }
78 \let\HSSAshorttitle\HSSAverso
79 \HSSArecto{\@HSSAauthorname }
```

`\@HSSAheaderfooterfont` Set up the font that will be used for running headers and footers. Small caps, and a bit of extra space, 7%, of the font's point size, between each letter (LetterSpace is from fontspec).

```
80 \def\@HSSAheaderfooterfont{\scshape\addfontfeature{LetterSpace=7}}
```

`\HSSAfooter` Use the `\MakeTextLowercase` macro from the textcase package and construct the running footer for each page.

```
81 \HSSAfooter{\MakeTextLowercase{\@HSSAtitle}\ \@HSSAissuenum\
82      (\@HSSAissuedate) \thefirstpage--\thelastpage}
```

2.4 Fancy headers and footers

Now the fancy header setup, which should be done after the geometry setup.

```
83 %\usepackage{fancyhdr} % after the geometry setup
84 \pagestyle{fancy}
85 \fancyhead{}
86 \fancyhead[CO]{\textenglish{\@HSSAheaderfooterfont\MakeTextLowercase{\@HSSArecto}}}
87 \fancyhead[CE]{\textenglish{\@HSSAheaderfooterfont\MakeTextLowercase{\@HSSAverso}}}
88 \fancyhead[RO]{\textenglish{\@HSSAheaderfooterfont\thepage}}
89 \fancyhead[LE]{\textenglish{\@HSSAheaderfooterfont\thepage}}
90 \fancyfoot[L]{ }
91 \fancyfoot[C]{\textenglish{\@HSSAheaderfooterfont\@HSSAfooter}}
92 \fancyfoot[R]{ }
93 \renewcommand{\headrulewidth}{0pt}
94 \renewcommand{\footrulewidth}{0pt}
```

2.5 Fancy-plus-DOI style

`\fancypage` Make a style for the first page that has the DOI in the bottom right

```

95 \fancypagestyle{fancy-plus-DOI}{%
96   \fancyhead{}
97   \fancyhead[R]{}
98   \fancyfoot[L]{\copy\cclogobox \tiny\textenglish{\@HSSAheaderfooterfont \\\
99     \href{http://doi.org/\@DOI}{doi: \@DOI}}}
100   \fancyfoot[C]{\textenglish{\@HSSAheaderfooterfont\@HSSAfooter}}
101   \fancyfoot[R]{}
102 }

```

2.6 Link colours

`\definecolor` This is the colour that will be used for the URL links; it's dark, so that it doesn't disturb the reading as much as the standard blue would do. It depends on the `xcolor` package.

```

103 \definecolor{darkbrown}{rgb}{0.4, 0.26, 0.13} % from http://latexcolor.com/

```

2.7 Output the preliminary matter

These commands depend on `hyperref`, but that is always loaded so there's no need to check.

```

\AtBeginDocument
104 \AtBeginDocument{%
105   \coverpage
106   \copyrightspage
107   %
108   \setcounter{page}{0}
109   \maketitle
110   \thispagestyle{fancy-plus-DOI}
111   \setcounter{page}{\thefirstpage}
112 %
113   \def\@linkcolor{darkbrown}
114   \def\@anchorcolor{darkbrown}
115   \def\@citecolor{darkbrown}
116   \def\@filecolor{darkbrown}
117   \def\@urlcolor{darkbrown}
118   \def\@menucolor{darkbrown}
119   \def\@pagecolor{darkbrown}
120 %
121   \selectbackgroundlanguage{english}
122 }

```

It would have been convenient to `\input{sanskrit-hyphenations}` at this too, but for some reason this doesn't work. These hyphenations have to be

`\input after \begin{document}.`

2.8 Output the final pages that come after the article

```
\AtEndDocument
123 \AtEndDocument{%
124     \newpage
125     \coverlastpage
126 }
```

2.9 Arrange the appendix

```
appendix
127 % Consider using \RequirePackage[title]{appendix}
128 %
129 \def\appendixname{Appendix}
130 \renewcommand\appendix{\par
131     \setcounter{section}{0}%
132     \setcounter{subsection}{0}%
133     \setcounter{equation}{0}
134     \addtocontents{toc}{\string\let\string\numberline\string\tmptocnumberline}{}}
135 }
```

Last page Define the last page number and set it to 100

```
136 \def\LastPage#1{\gdef\@LastPage{#1}}
137 \LastPage{100}
```

2.10 Set up the alignment and fonts of title and author names

```
\aufont
\titelfont 138 \def\titlealign#1{\gdef\@titlealign{#1}}
\footerfont 139 \let\@titlealign\centering
\footeraddress 140 \def\aualign#1{\gdef\@aualign{#1}}
141 \let\@aualign\centering
142 \def\titelfont#1{\gdef\@titelfont{#1}}
143 \def\aufont#1{\gdef\@aufont{#1}}
144 \def\@titelfont{\fontsize{20}{24}}
145 \def\@aufont{\fontsize{10}{12}}
146 %
147 % Footer font
148 %
149 \def\footerfont#1{\gdef\@footerfont{#1}}
150 \footerfont{\fontsize{7}{8}}
```

```

151 %
152 % Footer address
153 %
154 \def\footeraddress#1{\gdef\@footeraddress{#1}}
155 \let\@footeraddress\@empty

```

2.11 The content of the cover page

```

\coverpage
156 \long\def\coverpage{%
157     \thispagestyle{empty}
158     \begingroup
159     \parindent0pt
160     \pagecolor{pagecolor}
161     \color{Maroon!20}
162     \hspace*{-.05\linewidth}%
163     \begin{minipage}{1.1\linewidth}%
164         \vspace*{-18pt}%
165         \includegraphics[width=50mm]{logo.eps}\par
166         \vskip-12pt
167         \fontsize{30}{36}\selectfont
168         History of Science in South Asia\par\medskip
169         \footnotesize\itshape
170         A journal for the history of all forms of scientific thought and
171         action, ancient and modern, in all regions of South Asia\par
172     \end{minipage}
173     \par
174     \vfill
175     \begin{minipage}{\linewidth}
176         \raggedright
177         \LARGE
178         \@HSSAspecialissuedetails
179     \end{minipage}
180     \par
181     \vfill
182     \par
183     \begin{minipage}{\linewidth} % Here's the main title and author and affiliation
184         \raggedright
185         \LARGE
186         \@HSSAarticletitle
187         \par\vspace*{10mm}
188         \large
189         \@HSSAauthorname\par
190         \vspace{.8\baselineskip}

```



```

191      \normalsize
192      \emph{\@HSSAauthoraddress}
193      \par\vspace*{10mm}
194  \end{minipage}
195  \par
196  \vfill
197  \par
198  \hspace*{-.05\linewidth}%
199  \begin{minipage}{1.1\linewidth}
200      \rule{\linewidth}{.1pt}
201      \footnotesize
202      {\tiny MLA} style citation form: \thecovercitation \[3pt]
203      Online version available at: {\def\@urlcolor{Maroon!20}%
204          \href{http://hssa-journal.org}{http://hssa-journal.org}}
205  \end{minipage}
206  \endgroup
207  \vspace{-10mm}
208  \newpage
209 } % end coverpage

```

2.12 The the content of the copyright page

\copyrightspage

```

210 \long\def\copyrightspage{%
211     \begingroup
212     \pagecolor{white}
213     \normalcolor
214     \thispagestyle{empty}
215     \footnotesize
216     \begin{minipage}[t][.98\textheight][t]{\linewidth}
217         {\addfontfeature{LetterSpace=8}\bfseries
218             HISTORY OF SCIENCE IN SOUTH ASIA}\
219         A journal for the history of all forms of scientific thought and action,
220         ancient and modern, in all regions of South Asia, published online
221         at \href{http://hssa-journal.org}{http://hssa-journal.org}
222
223         \vfill
224
225         ISSN 2369-775X
226
227         \vfill
228
229         \textit{Editorial Board:}\
230         \begin{itemize}

```

231 \leftmargini=1em
 232 \item Dominik Wujastyk, University of Alberta, Edmonton, Canada
 233 \item Kim Plofker, Union College, Schenectady, United States
 234 % \item Dhruv Raina, Jawaharlal Nehru University, New Delhi, India
 235 \item Clemency Montelle, University of Canterbury,
 236 Christchurch, New Zealand
 237 \item Fabrizio Speziale, School of Advanced Studies in the
 238 Social Sciences (EHSS), Paris, France
 239 \item Michio Yano, Kyoto Sangyo University, Kyoto, Japan
 240 \item Gudrun Bühnemann, University of Wisconsin-Madison, USA
 241 \item Anuj Misra, University of Copenhagen, Denmark
 242 \item Aditya Kolachana, Indian Institute of Technology, Madras, India
 243 \item Dagmar Wujastyk, University of Alberta, Edmonton, Canada
 244 \end{itemize}
 245
 246 \medskip
 247
 248 \textit{Publisher:}\[4pt]
 249 History of Science in South Asia
 250
 251 \medskip
 252
 253 \textit{Principal Contact:}\[4pt]
 254 Dominik Wujastyk, Editor, University of Alberta\
 255 Email: \$\angle\$wujastyk@ualberta.ca\$\angle\$
 256
 257 \medskip
 258
 259 \textit{Mailing Address:}\[4pt]
 260 History of Science in South Asia,\
 261 Department of History, Classics and Religion,\
 262 2--81 HM Tory Building,\
 263 University of Alberta,\
 264 Edmonton, AB, T6G 2H4\
 265 Canada
 266
 267 \medskip
 268
 269 This journal provides immediate open access to its content on the
 270 principle that making research freely available to the public supports
 271 a greater global exchange of knowledge.
 272
 273 \medskip
 274
 275 Copyrights of all the articles rest with the respective authors and

```

276         published under the provisions of
277         \href{http://www.creativecommons.org/licenses/by-sa/4.0/}{Creative
278 Commons
279         Attribution-ShareAlike 4.0} License.
280
281         \medskip
282
283         The electronic versions were generated from sources marked up in
284         \href{http://www.latex-project.org/}{\LaTeX{}} in a computer running
285         \textsc{gnu/linux} operating system. \textsc{pdf} was typeset
286         using \href{http://tug.org/xetex/}{\XeTeX{}} from
287         \href{http://tug.org/texlive/}{\TeX Live}.
288         The base font used for Latin script and oldstyle numerals was
289         \href{http://www.gust.org.pl/projects/e-foundry/tex-gyre/pagella}{\TeX{}}
290         Gyre Pagella} developed by
291         \href{http://www.gust.org.pl}{\textsc{gust}}, the Polish
292         \TeX{} Users Group.
293     \end{minipage}
294 \endgroup
295
296     \pagecolor{white}
297     \normalcolor
298 } % end \copyrightpage

```

2.13 The content of the back cover page

\coverlastpage

```

299 \long\def\coverlastpage{\newpage\parindent=0pt
300     \thispagestyle{empty}
301     \pagecolor{pagecolor}
302     \parskip=0pt
303     \mbox{}
304     \vfill
305     \par
306     \color{endscriptcolor}
307     \colorlet{urlcolor}{endurlcolor}
308     \rule[3pt]{\textwidth}{.2pt}
309     {\normalfont\scriptsize\raggedright Please write to
310         \href{mailto:wujastyk@ualberta.ca}
311         {\color{white}$\langle$wujastyk@ualberta.ca$\rangle$}
312         to file bugs/problem reports, feature requests and to get involved. \\
313         % \addfontfeature{LetterSpace=6}%
314         \href{http://hssa-journal.org}
315         {\color{white}The History of Science in South Asia}

```

```

316      \textbullet\
317      Department of History and Classics,
318      2--81 HM Tory Building, University of Alberta,
319      Edmonton, AB, T6G 2H4,
320      Canada.}%
321      \vspace*{-20pt}
322 }

```

2.14 Tweak captions → footnotesize

\@makecaption

```

323 % originally for Speziale
324 \long\def\@makecaption#1#2{%
325     \vskip\abovecaptionskip
326     \footnotesize % added footnotesize
327     \sbox\@tempboxa{#1: #2}%
328     \ifdim \wd\@tempboxa >\hsize
329     #1: #2\par
330     \else
331     \global \@minipagefalse
332     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
333     \fi
334     \vskip\belowcaptionskip}

```

2.15 Page layout dimensions

DW can this be superseded by the geometry package?

pagelayout

```

335 \renewcommand\topfraction{1}
336 \renewcommand\bottomfraction{.8}
337 \renewcommand\textfraction{0}
338 \renewcommand\floatpagefraction{.8} % 0.95 better ???
339 \renewcommand\dbltopfraction{1}
340 \renewcommand\dblfloatpagefraction{.8}
341 \renewcommand\topfraction{1}
342 \renewcommand\bottomfraction{.8}
343 \renewcommand\textfraction{0.1}
344 \renewcommand\floatpagefraction{0.95} % was 0.8 changed 1

```

2.16 Misc layout settings

```

345 \lefthyphenmin=3
346 \righthyphenmin=3

```

```

347 %\RequirePackage[hang]{footmisc}
348 %\setlength\footnotemargin{.8em}
349
350 %\geometry{footskip=42pt}
351
352 \RequirePackage{lettrine}
353 \RequirePackage[normalem]{ulem}

```

2.17 Journal-specific user-facing macros

HSSAspecialissuedetails Only for for guest-edited single-theme issues.

```

354 \def\HSSAspecialissuedetails#1{\gdef\@HSSAspecialissuedetails{#1}}
355 \HSSAspecialissuedetails{\empty }

```

\HSSAissuenum Provide user command \HSSAissuenum.

```

356 \def\HSSAissuenum#1{\gdef\@HSSAissuenum{#1}}
357 \HSSAissuenum{999}

```

\HSSAarticletitle Provide user command \HSSAarticletitle

```

358 \def\HSSAarticletitle#1{\gdef\@HSSAarticletitle{#1}\hypersetup{pdftitle=#1}}
359 \HSSAarticletitle{My Life}

```

Provide user command \HSSAauthorname

```

360 \def\HSSAauthorname#1{\gdef\@HSSAauthorname{#1}\hypersetup{pdfauthor=#1}}
361 \HSSAauthorname{Joe Bloggs}

```

Provide user command \HSSAissuedate

```

362 \def\HSSAissuedate#1{\gdef\@HSSAissuedate{#1}}
363 \HSSAissuedate{1900}

```

Provide user command \HSSAauthoraddress

```

364 \def\HSSAauthoraddress#1{\gdef\@HSSAauthoraddress{#1}}
365 \HSSAauthoraddress{Timbuktu}

```

Collect DOI info when ready and print it in covercitation Provide DOI when we have it.

```

366 \def\DOI#1{\gdef\@DOI{#1}}
367 \gdef\@DOI{\empty}
368 %%\newtoks\DOI
369 \newcommand{\printDOI}{\ifx\@DOI\empty\relax
370   \else
371   {\def\@urlcolor{Maroon!20}
372     \textsc{doi:} \href{https://doi.org/\@DOI}{\@DOI}.\fi }
373 }

```

Say \DOI{xxx}, and then later \printDOI where you want it printed.

`\covercitation` Gather the required information for the MLA cover citation and format it for output

```
374 \def\covercitation#1{\gdef\thecovercitation{#1}}
375 %
376 \covercitation{\@HSSAauthorname. "\@HSSAarticletitle."
377   \emph{\@HSSAtitle}, \@HSSAissuenum\ (\@HSSAissuedate):
378   \thefirstpage--\thelastpage. \printDOI }
379 %/DW

380 \def\fspace#1{\addfontfeature{LetterSpace=#1}}
```

2.18 Customizing the sectioning commands

`\section`

```
381 \setcounter{secnumdepth}{1}
382 \renewcommand\section{\@startsection {section}{1}{\z@}%
383   {-18\p@ \@plus 6\p@ \@minus 3\p@}%
384   {9\p@ \@plus 6\p@ \@minus 3\p@}%
385   {\normalfont\centering\fspace{10}\MakeUppercase}}
386 \renewcommand\subsection{\@startsection{subsection}{2}{\z@}%
387   {-15\p@ \@plus 6\p@ \@minus 3\p@}%
388   {6\p@ \@plus 6\p@ \@minus 3\p@}%
389   %           {\normalfont\footnotesize\fspace{10}\centering\MakeUppercase}}
390   {\normalfont\large\scshape\fspace{8}\centering\MakeLowercase}}
391 \renewcommand\subsubsection{\@startsection{subsubsection}{3}{\z@}%
392   {-15\p@ \@plus 6\p@ \@minus 3\p@}%
393   {\p@}%
394   {\normalfont\normalsize\itshape\centering}}
```

2.19 Collecting the page-number information

```
395 \def\HSSAfirstpage#1{\gdef\thefirstpage{#1}}
396 \def\HSSAlastpage#1{\gdef\thelastpage{#1}}
397 % Initialize the values:
398 \HSSAfirstpage{000}
399 \HSSAlastpage{999}
```

2.20 Creative Commons logo

```
400 \newbox\cclogobox
401 \global\setbox\cclogobox=\hbox{%
402   \includegraphics[width=10mm]{cc-by-sa.eps}}
```

2.21 Tweak tabular layout

```

403 \newcommand\arraybslash{\let\\\@arraycr}
404 \setlength\tabcolsep{1mm}
405 \renewcommand\arraystretch{1.3}

406 \emergencystretch=.1\columnwidth

```

2.22 Not used

Legacy code to be thought about and probably weeded out.

```

407 %\HSSAJournalAbbrev{Hist.~Sci.~South Asia}
408 \definecolor{bg}{HTML}{600000}
409 \colorlet{pagecolor}{bg}
410 \colorlet{urlcolor}{black!50}
411 \colorlet{endurlcolor}{pagecolor!30}
412 \colorlet{linkcolor}{black!50}
413 \colorlet{endscriptcolor}{pagecolor!20}

```

2.23 PDF metadata

Commented out because it interferes with other stuff.

```

414 % \pdfstringdef{\@temppdftitle}{\@HSSAarticletitle}
415 % \pdfstringdef{\@temppdfauthor}{\@HSSAauthorname}
416 % \pdfinfo{%
417 %     % copying out title because of macro expansion problems
418 %     /Title (\@temppdftitle)
419 %     /Author (\@temppdfauthor)
420 %     /Keywords (DOI: https://doi.org/\@DOI)
421 % }
422 %}

```

The pdfx package clashes with using \hypersetup to embed XMP data.
Commented out.

```

423 %\usepackage[a-1b]{pdfx} % get an archival PDF
424 % optionally, create a file \jobname.xmpdata with \Author{} \Title{} \Copyright{}
425 % \CopyrightURL{} \Keywords{}

```

2.24 Hypertext links

`\hypersetup` Settings for hypertext links, used by `hyperref`. These settings also include `hyperxmp` settings to embed XMP metadata in the PDF. The `\@` macros don't expand at the right time. A problem for another day. In any case, `hyperxmp` seems to get more or less the right data from `\author` etc.

```

426 \hypersetup{colorlinks=true,
427     bookmarksopen=false,

```

```

428 pdfpagescrop={39 62 554 759},
429 % now hyperxmp settings:
430 %% pdfauthor={\@HSSAauthorname},
431 %% pdftitle={\@HSSAarticletitle},
432 % pdfcopyright={\copyright\ The Author},
433 %% pdfdoi={\@DOI },
434 %% pdfurl={https://doi.org/\@DOI},
435 % pdfissn={2369-775X},
436 % pdflicenseurl={https://creativecommons.org/licenses/by-sa/4.0/},
437 % pdfpublication={History of Science in South Asia},
438 % pdfcaptionwriter={Dominik Wujastyk},
439 % pdfurl={https://journals.library.ualberta.ca/hssa/},
440 % pdfpublisher={University of Alberta Library},
441 % pdfpubtype={journal},
442 % pdfpubstatus={VoR}, % Version of Record
443 }

```

2.25 Simple indented, environment for Sanskrit verses

sloka (*env.*)

```

444 %\newenvironment{sloka}
445 % {\list{}{\rightmargin\leftmargin}%
446 % \item\relax}
447 %{\endlist}
448 %
449 \newenvironment{sloka} % tweaked from verse
450 {\let\\\@centercr
451 \parindent 1em
452 \leavevmode \hskip-.03em
453 % \rightmargin \leftmargin
454 % \advance \leftmargin 10em
455 % \advance\leftskip 2em
456 % \advance\rightskip 2em
457 %\narrower
458 }
459 {\relax }

```

2.26 Diatop

\diatop \diatop, used for r underdot overbar (\bar{r} , F6, 246) See Conference Proceedings, *TeXniques* no. 5, p. 11.

```

460 \def\diatop[#1|#2]{\leavevmode{\setbox1=\hbox{\{#1\}}\setbox2=\hbox{\{#2\}}}%
461 \dimen0=\ifdim\wd1>\wd2\wd1\else\wd2\fi%
462 \dimen1=\ht2\advance\dimen1by-1ex%

```



```

463      \setbox1=\hbox to1\dimen0{\hss#1\hss}%
464      \rlap{\raise1\dimen1\box1}%
465      \hbox to1\dimen0{\hss#2\hss}}}%

```

E.g. of use: `\diatop[\ ' | {\=o}]` gives o macron acute.

2.26.1 Unknown

Again, what's this? "get rid of the alphabetic headers"?

```

466      \newcommand{\lettergroup}[1]{\smallskip }

```

2.27 Mini edition environment

miniedition Documented at [the Cikitsā blog](#).

First make a hanging footnote setup to use for these minipage notes:

```

467 % nice hanging-indent footnotes. LaTeX Companion, p.73:
468 \def\hangfootnotes{%
469     \renewcommand{\@makefnmark}[1]{\setlength{\parindent}{0pt}%
470         \begin{list}{}{\setlength{\labelwidth}{1.5em}%
471             \setlength{\leftmargin}{\labelwidth}%
472             \setlength{\labelsep}{3pt}\setlength{\itemsep}{0pt}%
473             \setlength{\parsep}{0pt}\setlength{\topsep}{0pt}%
474             \footnotesize}\item[\hfill\@makefnmark]##1%
475         \end{list}}%
476 }

477 \newenvironment{miniedition}
478     {\begin{quote}
479         \addtolength{\textwidth}{-2\rightmargin} % width of the quote environment
480         \begin{minipage}{\textwidth}
481             \let\footnoterule\relax % if you want a rule, comment out this line.
482             \hangfootnotes
483             % \let\footnote\originalfootnote
484         }
485     {\end{minipage}
486     \end{quote}
487 }

```

Resetting `\footnote` to `\originalfootnote` is no longer needed. Standard non-reledmac L^AT_EX footnotes are now restored by the `\@minipagerestore` hook in the file `hssa-reledmac.sty`.

2.28 Index of Manuscripts

`\MScite` The command `\MScite` is defined in `hssa-indexing.sty` that is loaded earlier in this file.

Usage:

```
\MScite{City Library Accession no.}  
\MScite{London Wellcome Indic alpha 23}  
\printindex[manuscripts]
```

3 hssa.sty: HSSA main style file

This code is in the file `hssa.sty`. Style file for the HSSA journal.² Here in `hssa.sty`, I'm keeping the code that is not part of the core of HSSA's design, including calls to other style files that might or might not be included for different articles.

3.1 Load basic macros for reledmac

`hssa-reledmac (env.)` We load `reledmac.sty` with some parameters set in the file `hssa-reledmac.sty`. This redefines `\footnote` to produce double-column notes. Also, it makes the macros of `reledmac` available for making critical editions.

```
488 \usepackage{hssa-reledmac} % journal home style, two-col footnotes
```

For some documents without the need for critical edition features, it may be enough to use `dblfnote.sty` instead.

Note: we don't load `hssa-biblatex` here because it is already loaded in `hssa.cls`; it's a permanent feature of HSSA.

3.2 Languages and fonts, Polyglossia-style

3.2.1 British English, Greek, Sanskrit

```
489 \setdefaultlanguage[variant=british]{english}
490 %\setotherlanguage{japanese} % still experimental in Polyglossia
491 \setotherlanguage{greek}
492 \setotherlanguage{sanskrit}
```

3.2.2 TeX Gyre Pagella, the default roman font for HSSA

```
493 \setmainfont[Ligatures=TeX,
494 Mapping=tex-text,
495 Numbers=OldStyle]{TeX Gyre Pagella}
496 %\setmainfont[Scale=1.05]{Alegreya} % quite nice; superscripts not smaller
497 %\setmainfont{Libertinus Serif} % looks good; does math
```

3.2.3 Sanskrit input in Devanagari script

```
498 \newfontfamily\sanskritfont[Script=Devanagari,
```

²See <http://tug.org/pracjourn/2005-3/asknelly/> for a nice statement of the difference between `.cls` and `.sty` files.

```

499 %Mapping=RomDev,
500 FakeStretch=1.08, % improves Sanskrit 2003
501 AutoFakeBold=1.5,
502 ]
503 {Sanskrit 2003}
504 % {Murty Sanskrit}
505 \let\dn\sanskritfont %for legacy Velthuis-encoded documents

```

3.2.4 Sanskrit input in IAST script, output in Devanagari

```

506 % Sanskrit input in IAST
507 \newfontfamily\devanagarifont[Script=Devanagari,
508 Mapping=RomDev,
509 FakeStretch=1.08, % improves Sanskrit 2003
510 AutoFakeBold=2.5,
511 ]
512 % {Murty Sanskrit}
513 {Sanskrit 2003}
514 \newcommand{\dev}[1]{\devanagarifont#1}}
515 %\newcommand{\dev}[1]{\textdevanagari{#1}}
516 \newcommand{\largesloka}[1]{\raggedright \devanagarifont\large #1\par}}

```

3.2.5 Chinese

```

517 \newfontfamily\cjk[Script=CJK,Mapping=tex-text,Scale=MatchLowercase]
518 %{\IPAexMincho} % missing
519 %{\TakaoPGothic}
520 {Yu Mincho}
521 %

```

3.2.6 Greek font

```

522 % Greek
523 \newfontfamily\greekfont{Gentium Plus}[Script=Greek,
524 Mapping=tex-text,
525 Scale=MatchUppercase]
526 %
527 %{\Old Standard}
528 %{\GFS Porson}
529 %{\GFS Didot}
530 %{\Galatia SIL}
531 %{\Linux Libertine O}

```

See [Stackexchange about Greek fonts](#).

3.3 Local generic author-facing macros

```

\bce
\ce
\BCE
\CE

```

```

532 \def\bce{\textsc{bce}} % I took out the final \xspace
533      % because it's behaviour is hard to predict - DW
534 \def\ce{\textsc{ce}} % ditto.
535 \let\BC\bce \let\BCE\bce \let\AD\ce \let\CE\ce

```

3.4 Math mode with Unicode fonts

```

536 \usepackage{unicode-math} % must load after amsmath; see manual ch. 3
537 %\setmathfont{texgyrepagella-math.otf} % doesn't have old style numerals.
538 \setmathfont{Asana Math}[Numbers=OldStyle]

```

4 hssa-reledmac.sty: critical edition and footnote column macros

This code is in the file `hssa-reledmac.sty`.

4.1 Two-column footnote formatting

With help from [EDMAC](#) and [Stackexchange](#).

```
539 \usepackage[nocritical,
540     noend,
541     %noeledsec,
542     %noledgroup,
543     series={A, B, C, D, E, F, G, H, I}]{reledmac}
544 \usepackage{setspace}
545 %\let\footnoteruleA=\relax % do we want a footnoterule?
546 \def\thempfootnote{{\itshape\@alph\c@mpfootnote}} % from latex.ltx
547 \arrangementX[A]{twocol}
548 \arrangementX[B]{twocol} % for occasional use in the \verb|miniedition| environment
549 \colalignX{\relax } % looks better. But should we optimize narrow columns
550 %by going \verb"\raggedright"?
551 \beforenotesX{2em plus 1.5em minus 1.5em} % spacing above notes
552 \renewcommand*{\normalfootfootmarkX}[1]{%
553     \@nameuse{@thefnmark#1}\hspace*{.5em}}
```

`\footnote` `\footnote` is not going to be the standard L^AT_EX footnote. So store the standard version. Then restore the standard `\footnote` when inside minipage environment.

Finally, make the command `\footnote` into the reledmac two-column command.

```
554 \let\originalfootnote=\footnote % store this for use in minipages
555 \def\@minipagerestore{\let\footnote\originalfootnote} % restore standard \footnote
556 % Now change \verb"\footnote" to the reledmac version:
557 \let\footnote=\footnoteA
```

[Stackexchange help](#). Commented out, but useful in some tight situations:

```
558 % \usepackage{microtype}
```

5 hssa-biblatex.sty: Bib \LaTeX settings for HSSA

This code is in the file `hssa-biblatex.sty`.

5.1 Manuscript-oriented Bib \LaTeX macros

We don't need this at present. It's only here as a place-keeper, as a starting point in case we have a document that requires lots of specialized bibliographies for manuscripts, e.g., perhaps a manuscript catalogue.

```
559 % \usepackage[%  
560 % tools={manuscripts},  
561 % bibstyle={authoryear},  
562 % ]{biblatex-multiple-dm} % for biblatex-manuscripts-philology
```

5.2 Load Biblatex

Here are the macros for our bibliographies. HSSA uses *New Hart's Rules* (Oxford University Press, 2014) as its formatting style guide. These Rules are comprehensively implemented for Bib \LaTeX through the `oxref` and `oxyear` packages. See also section 5.3 below.

```
563 \usepackage[%  
564 backend=biber,  
565 %bibstyle=multiple-dm, % for biblatex-manuscripts-philology  
566 % oxref:  
567 style=oxyear,  
568 dashed=true,  
569 usetranslator=true,% see oxref documentation para 2.1.10  
570 %ibidtracker=constrict,  
571 %ibidpage=false,  
572 %pagetracker=page,  
573 %idemtracker=constrict,  
574 sorting=ynt,
```

(on `ynt`, see [Cikitsā blog post](#).)

```
575 sortcites=true,  
576 backref=false,  
577 date=comp,  
578 datecirca=true,  
579 dateuncertain=true,  
580 bibencoding=auto,  
581 hyperref=auto,  
582 isbn=true,  
583 doi=true,
```

```

584 language=auto,
585 natbib=true,
586 texencoding=auto,
587 url=true,
588 urldate=short,
589 useprefix=true,
590 %refsection=section,
591 giveninits=false,
592 maxbibnames=10]{biblatex}

```

5.3 Settings for oxyear

```

593 \ExecuteBibliographyOptions[% for biblatex-oxyear
594 book,
595 mvbook,
596 mvcollection,
597 inbook,
598 incollection,
599 inreference,
600 collection,
601 reference,
602 mvreference]{useeditor=true,usetranslator=true}
603 \AtBeginDocument{\assignrefcontextentries[]{*}}

```

See [Cikitsā blog post](#) for further explanation of the above.

5.4 Bibliography punctuation

Following sections 3.10 and 4.7.5 of the Bib_{La}T_EX manual, put the comma *inside* the quotation marks of the title.

```

604 \DefineBibliographyExtras{british}{\DeclareQuotePunctuation{.,}}

```

5.5 Bibliography sorting

To avoid saying `\newrefcontext[sorting=nyt]` before `\printbibliography` in every document redefine `\printbibliography` (from biblatex.sty):

```

605 \renewrobustcmd*{\printbibliography}{%
606   \newrefcontext[sorting=nyt] % added this line
607   \begingroup
608   \delimcontext{bib}%
609   \edef\on@line{\on@line}%
610   \@ifnextchar[%

```



```

611     {\blx@printbibliography}
612     {\blx@printbibliography[]}
613 }

```

5.6 Positioning of the notes

To make bibtex notes print last, like addendums from [Stackexchange](#).

```

614 \DeclareSourceMap{
615     \maps[datatype=bibtex]{
616         \map{
617             \step[fieldsource=note, final]
618             \step[fieldset=addendum, origfieldval, final]
619             \step[fieldset=note, null]
620         }
621     }
622 }

```

5.7 csquotes

The american option with csquotes gives double quotes in article titles in the bibliography.

```

623 \usepackage[style=american]{csquotes}

```

5.8 Tweak the citation style

Remove the “p.” and “pp.” from, for example, \volcite :

```

624 \DefineBibliographyStrings{english}{%
625     page          = {},
626     pages         = {},
627     volume = {vol},
628     volumes = {vols},
629 }

```

5.9 Unused code

Biblatex documentation 4.11. and macros from biblatex.def Enable hot URLs for PDFs at Archive.org and Academia.edu etc.

Make URLs smaller:

```

630 %\DeclareFieldFormat{url}{\textsc{url:} {\small \href{#1}{\nolinkurl{#1}}}}
631 %\DeclareFieldFormat{doi}{\textsc{doi:} {\small \href{#1}{\nolinkurl{#1}}}}

```

5.10 URL formatting in the bibliography

5.10.1 Buddhist Digital Resource Center

```
632 \DeclareFieldFormat{eprint:tbrc}{%
633   \textsc{TBRC}\space
634   \ifhyperref
635     {\href{https://www.tbrc.org/\#!rid=#1}{\nolinkurl{#1}}}
636   {\nolinkurl{#1}}}
```

5.10.2 ARK

```
637 \DeclareFieldFormat{eprint:ark}{%
638   \textsc{ark:}\space
639   \ifhyperref
640     {\href{https://n2t.net/#1}{\nolinkurl{#1}}}
641   {\nolinkurl{#1}}}
```

5.10.3 Archive.org

```
642 \DeclareFieldFormat{eprint:archive}{%
643   Internet Archive\addcolon\space
644   \ifhyperref
645     {\href{http://archive.org/details/#1}{\nolinkurl{#1}}}
646     {\nolinkurl{#1}}}
647 \DeclareFieldAlias{eprint:archiveorg}{eprint:archive}
```

5.10.4 Academia.edu

```
648 \DeclareFieldFormat{eprint:academia}{%
649   Academia.edu\addcolon\space
650   \ifhyperref
651     {\href{http://www.academia.edu/#1}{\nolinkurl{#1}}}
652     {\nolinkurl{#1}}}
653 \DeclareFieldAlias{eprint:academia.edu}{eprint:academia}
```

5.10.5 JSTOR

```
654 \DeclareFieldFormat{eprint:jstor}{%
655   \ifhyperref
656     {\href{http://www.jstor.org/stable/#1}{\small JSTOR}}
657     {\nolinkurl{#1}}}
```

5.10.6 Jainelibrary

```
658 \DeclareFieldFormat{eprint:jainlibrary}{%
659   Jain eLibrary\addcolon\space
660   \ifhyperrefsloka
661     {\href{http://www.jainlibrary.org/book.php?file=#1}{\nolinkurl{#1}}}
```

```
662 {\nolinkurl{#1}}}
```

5.10.7 DOI

```
663 \DeclareFieldFormat{doi}{%
664   \textsc{doi}\addcolon\space
665   \ifhyperref
666     {\href{https://doi.org/#1}{\nolinkurl{#1}}}
667     {\nolinkurl{#1}}}
```

5.11 Tweaks to make the citation form:- Author date: page

```
668 \DeclareFieldFormat{postnote}{#1}
669 \renewcommand{\postnotedelim}{:~,}
670 \renewcommand{\nameyear delim}{ }
```

5.12 “Forthcoming” hacks

Biblatex hacks to get pubstate (“forthcoming” etc.) behaving as it should
Biblatex manual 4.5.10

```
671 \DeclareLabeldate{%
672   \field{date}
673   \field{year}
674   \field{pubstate}
675   \field{eventdate}
676   \field{origdate}
677   \field{urldate}
678   \literal{nodate}
679 }
```

5.13 Tighten up URL date

```
680 \DeclareFieldFormat{urldate}{%
681   (on
682   \thefield{urlday}\addspace%
683   \mkbibmonth{\thefield{urlmonth}}\addspace%
684   \thefield{urlyear})\isdot}
```

5.14 Hyperlink magic

Some magic from “moewe” at [Stackexchange](#) that makes hyperlinks work from citations to a list of abbreviations.

```
685 \DeclareFieldFormat{shorthandwidth}{%
686   \bibhypertarget{shorthand:\thefield{entrykey}}
687   {#1}}
688
689 \DeclareFieldFormat{bibhyperref}{%
```

```

690 \iffieldundef{shorthand}
691 {\bibhyperref{#1}}
692 {\bibhyperlink{shorthand:\thefield{entrykey}}{#1}}

```

Patch so that date-abbreviations aren't just one digit. Kindly supplied by Alex Ball, <https://github.com/alex-ball/biblatex-oxref/issues/19>

```

693 \renewcommand{\blx@ox@compyear}[2]{%
694   \def\num@one{#1}%
695   \def\num@two{#2}%
696   \StrLen{\num@one}[\num@one@len]%
697   \StrLen{\num@two}[\num@two@len]%
698   \ifboolexpr{
699     test {\ifnumequal{\num@one@len}{\num@two@len}}
700     and
701     test {\ifnumless{\num@one}{\num@two}}
702   }{%
703     \StrCompare{\num@one}{\num@two}[\Result]%
704     \ifnum\num@two@len>3%
705     \IfStrEq{\Result}{2}{\def\Result{1}}{}%
706     \fi
707     %% Extend the legal date compression behaviour to all entries
708     \IfStrEq{\Result}{4}{\def\Result{3}}{}%
709     %% End of changes
710     \StrGobbleLeft{0\num@two}{\Result}%
711   }{\num@two}}

```

TeX stops reading here.

6 hssa-indexing.sty: indexing for HSSA

This code is in the file hssa-indexing.sty.

Formerly used xindy; now updated to use xindex

Now (2023) see the package `indextools` by Maïeule Rouquette (<https://github.com/maieul/indextools>) that patches `imakeidx` to work with `bidu`.

```
712%\usepackage[imakeidx]{xindex} % deprecated by indextools
713\usepackage[xindex]{indextools}
714% \PassOptionsToPackage{nonewpage}{imakeidx}
715%
716\indexsetup{level=\section*,
717    noclearpage,
718    firstpagestyle=fancy
719}
720%
721\makeindex[name=lexical,
722title=Lexical Index,
723columns=3,
724options= --config iast --no_casesensitive --noheadings, % nocasesensitive,
725%noheadings
726]
727%
728\makeindex[name=manuscripts,
729title=Index of Manuscripts,
730options= --config iast --no_casesensitive --noheadings,
731columns=1]
732%
```

Before the `\printindex` command say
“`\indexprologue{References are to page numbers.}`”

6.1 English-Sanskrit indexes

Command for English words to be followed by Sanskrit in parentheses, and both to be sent to the lexical index.

```
\saneng
733\newcommand{\saneng}[2]
734% #1 = Sanskrit
735% #2 = English
736{#2 (\sansk{#1})%
737    \index[lexical]{#2!#1@\emph{#1}}%
738    \index[lexical]{#1@\emph{#1}!#2}}
```

`\ssaneng` A “silent” version of `\saneng` that sends items to the index but prints nothing in the main text.

```
739 \providecommand{\ssaneng}[2]% silent index entry
740 % #1 = Sanskrit
741 % #2 = English
742 {\index[lexical]{#2!#1@\emph{#1}}}%
743   \index[lexical]{#1@\emph{#1}!#2}}
```

Tidy up the index spacing:

```
744 \renewcommand\@idxitem{\par\hangindent 15\p@ }% from sanmed.sty
```

6.2 Commands for citing and indexing manuscripts

`\MS` To cite manuscripts in canonical form, use the following structure
`\MScite <City> <Library> <Shelf number>`.
E.g.,

```
\MS{London Wellcome  $\beta$  33}
```

(`\MS` is shorthand for `\MScite`.) This prints “MS London Wellcome β 33” in the text and also sends entries to your index of manuscripts, that will be printed at the end of your article with `\printindex[manuscripts]`.

```
745 \newcommand{\MScite}[1]{MS #1\index[manuscripts]{#1}}
746   \let\MS=\MScite
```

`\MSnocite` And a silent version. This sends an entry to the index but prints nothing in the main text (works like `\nocite`):

```
747 \newcommand{\MSnocite}[1]{\index[manuscripts]{#1}}
748   \let\MSsilent=\MSnocite
```

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.

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