

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

Dominik Wujastyk

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1 Documentation for authors using L^AT_EX

If you are writing with L^AT_EX please observe the following guidelines:

- Use Unicode encoding for your files (i.e., for XeL^AT_EX or LuaT_EX)
- Use the standard features of L^AT_EX as documented in the standard manual, *L^AT_EX: A Document Preparation System* by Leslie Lamport, or in *The Very Short Guide to Typesetting with L^AT_EX* by Peter Flynn and Silmaril Consultants (part of the T_EXlive 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 BibT_EX format. The journal uses BibL^AT_EX, 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](#).

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

2.1 Prelims

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

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

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

2.1.1 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}
```

2.2 HSSA user macros

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

2.2.1 AD, BC, etc.

\CE There are shortcuts for expressing the eras CE and BCE. These macros also
\BCE 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 tailord 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.

2.2.2 Environments for ślokas and mini-editions

miniedition (env.) 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.

2.2.3 Citing manuscripts

\MScite 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, \$\alpha\$999} 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.

2.2.4 Making a lexical index

\saneng 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.

2.2.5 Language-switching

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

2.2.6 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.

2.2.7 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
```

2.2.8 Miscellaneous

`\diatop` 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[\text{'}\text{'}{\text{ö}}]` to get $\ddot{\text{ö}}$.

`\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."

2.2.9 Rotating pages for big tables and figures

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

2.3 Standard L^AT_EX sectioning and similar commands

`\section` 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
%% ...
```


2.4 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.

3 Macros in the class file for the HSSA journal: hssa.cls

This is hssa.cls by Dominik Wujastyk, a class file for the HSSA journal.

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

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 \RequirePackage{ %
4   graphicx,
5   amsmath,
6   amsfons,
7   amssymb,
8   textcomp, % arcane LaTeX/NFSS system for subsetting encodings.  Needed for Sigma.
9   wasysym,
10  polyglossia,
11  hyperxmp, % to embed XMP metadata in the PDF
12  hyperref,
13  geometry,
14  array,
15  longtable,
16  polyglossia, % polyglossia calls fontspec
17  multicol,
18  booktabs, %professional tables \toprule etc.
19  textcase, % to get \MakeTextLowercase for tweaking the running footer
20  fancyhdr,
21 }
```

`\xcolor` Settings for the xcolor package

```
22 \RequirePackage{xetex,
23   dvipdfmx,
24   hyperref,
25   svgnames}
26 {xcolor}
```

`enumitem`

```
27 \usepackage{enumitem} % supersedes mdwlist: does it globally
```

```

28 \setlist{noitemsep,
29     %labelindent=\parindent,
30     %leftmargin=*,
31 }

```

`\q` issue notes to the author in page proofs. Define `\q` to be `\empty` for the final run. Put a `\newpage \listoftodos` just before `\end{document}` to help the author.

```

32 \setlength{\marginparwidth}{2cm} %todonotes manual, section 1.6.5
33 \usepackage[colorinlistoftodos,
34 %    disable,
35 textsize=tiny,
36 shadow,
37 backgroundcolor=yellow]{todonotes}
38 \setuptodonotes{fancyline}
39 %
40 \def\q#1{{}\todo{#1}}

```

`\PreliminaryNote` 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. DW

```

41 \newcommand{\PreliminaryNote}[1]{%
42     {\def\thefootnote{\relax }%
43         \footnotetext{\hspace*{-2.3em} %only if not using \hangfootnotes
44             #1}}}
45
46 %DW ?
47 \skip\footins=24pt
48 %DW ?

```

`\HSSAfooter`

```

49 \def\HSSAfooter#1 %*%
50     {\gdef\@HSSAfooter{#1}}

```

`\@HSSAtitle`

```

51 \newcommand{\@HSSAtitle}{History of Science in South Asia}

```

3.1 Set the geometry for the pages

`geometry` Set the geometry for the pages DW

```

52 \geometry{twoside,
53     paperwidth=210mm,
54     paperheight=297mm,
55     textheight=562pt,
56     textwidth=384pt,
57     centering,
58     headheight=30pt,

```

```

59 headsep=18pt,
60 footskip= 42pt, %24pt,
61 footnotesep=24pt plus 2pt minus 12pt,
62 }

```

3.2 Front matter

```

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

\title
63 \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
address.
64 \author{\@HSSAauthorname\ [1ex]
65 \parbox{\textwidth}{\small\centering\emph{\@HSSAauthoraddress}}
66 }

\date No date.
67 \date{\relax }

```

3.3 Running headers and footers

```

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

\HSSArecto Ditto for the recto, and initialize them both to nothing.
69 \def\HSSArecto#1{\gdef\@HSSArecto{#1}}
70 \let\@HSSAverso\@empty
71 \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.

```

72 \HSSAverso{\@HSSAarticletitle }
73 \let\HSSAshorttitle\HSSAverso
74 \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).

```

75 \def\@HSSAheaderfooterfont{\scshape\addfontfeature{LetterSpace=7}}

```

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

```
76 \HSSAfooter{\MakeTextLowercase{\@HSSAtitle}\ \@HSSAissuenum\
77      (\@HSSAissuedate) \thefirstpage--\thelastpage}
```

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

```
78 %\usepackage{fancyhdr} % after the geometry setup
79 \pagestyle{fancy}
80 \fancyhead{}
81 \fancyhead[CO]{\textenglish{\@HSSAheaderfooterfont\MakeTextLowercase{\@HSSArecto}}}
82 \fancyhead[CE]{\textenglish{\@HSSAheaderfooterfont\MakeTextLowercase{\@HSSAverso}}}
83 \fancyhead[RO]{\textenglish{\@HSSAheaderfooterfont\thepage}}
84 \fancyhead[LE]{\textenglish{\@HSSAheaderfooterfont\thepage}}
85 \fancyfoot[L]{}
86 \fancyfoot[C]{\textenglish{\@HSSAheaderfooterfont\@HSSAfooter}}
87 \fancyfoot[R]{}
88 \renewcommand{\headrulewidth}{0pt}
89 \renewcommand{\footrulewidth}{0pt}
```

3.4 Fancy-plus-DOI style

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

```
90 \fancypagestyle{fancy-plus-DOI}{%
91 \fancyhead{}
92 \fancyhead[R]{}
93 %\fancyhead[CO]{\@HSSAheaderfooterfont\@HSSArecto}
94 %\fancyhead[CE]{\@HSSAheaderfooterfont\@HSSAverso}
95 %\fancyhead[RO]{\thepage}
96 %\fancyhead[LE]{\thepage}
97 \fancyfoot[L]{\copy\cclogobox\ \tiny\textenglish{\@HSSAheaderfooterfont
98      \href{http://doi.org/\@DOI}{doi: \@DOI}}}
99 \fancyfoot[C]{\textenglish{\@HSSAheaderfooterfont\@HSSAfooter}}
100 \fancyfoot[R]{}
101 %\renewcommand{\headrulewidth}{0pt}
102 %\renewcommand{\footrulewidth}{0pt}%
103 }
```

`\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.

```
104 %DW
105 \usepackage{color}
106 \definecolor{darkbrown}{rgb}{0.4, 0.26, 0.13} % from http://latexcolor.com/
```

3.5 Output the preliminary matter

`\AtBeginDocument`

```
107 %DW
```

```

108 \AtBeginDocument{%
109     \coverpage
110     \copyrightspage
111     %
112     \setcounter{page}{0}
113     \maketitle
114     \thispagestyle{fancy-plus-DOI}
115     \setcounter{page}{\thefirstpage}
116 %
117 %\@ifpackageloaded{hyperref}
118     \def\@linkcolor{darkbrown}
119     \def\@anchorcolor{darkbrown}
120     \def\@citecolor{darkbrown}
121     \def\@filecolor{darkbrown}
122     \def\@urlcolor{darkbrown}
123     \def\@menucolor{darkbrown}
124     \def\@pagecolor{darkbrown}
125 %
126     \selectbackgroundlanguage{english}
127     \input{sanskrit-hyphenations} % for some reason this doesn't work
128 }

```

3.6 Output the pages that come after the article

\AtEndDocument

```

129 \AtEndDocument{%
130     \newpage
131     \coverlastpage
132 }

```

3.7 Arrange the appendix

Appendix

```

133 % Consider using \RequirePackage[title]{appendix}
134 %
135 \def\appendixname{Appendix}
136 \renewcommand\appendix{\par
137     \setcounter{section}{0}%
138     \setcounter{subsection}{0}%
139     \setcounter{equation}{0}
140     \addtocontents{toc}{\string\let\string\numberline\string\temptocnumberline}{}}
141 }

```

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

```

142 \def\LastPage#1{\gdef\@LastPage{#1}}
143 \LastPage{100}

```

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

```
\titlealign
144 \def\titlealign#1{\gdef\@titlealign{#1}}
145 \let\@titlealign\centering
146 \def\aualign#1{\gdef\@aualign{#1}}
147 \let\@aualign\centering
148 \def\titlefont#1{\gdef\@titlefont{#1}}
149 \def\aufont#1{\gdef\@aufont{#1}}
150 \def\@titlefont{\fontsize{20}{24}}
151 \def\@aufont{\fontsize{10}{12}}
152 %
153 % Footer font
154 %
155 \def\footerfont#1{\gdef\@footerfont{#1}}
156 \footerfont{\fontsize{7}{8}}
157 %
158 % Footer address
159 %
160 \def\footeraddress#1{\gdef\@footeraddress{#1}}
161 \let\@footeraddress\@empty
```

3.9 The content of the cover page

```
\coverpage
162 \long\def\coverpage{%
163   \thispagestyle{empty}
164   \begingroup
165   \parindent0pt
166   \pagecolor{pagecolor}
167   \color{Maroon!20}
168   \hspace*{-.05\linewidth}%
169   \begin{minipage}{1.1\linewidth}%
170     \vspace*{-18pt}%
171     \includegraphics[width=50mm]{logo.eps}\par
172     \vskip-12pt
173     \fontsize{30}{36}\selectfont
174     History of Science in South Asia\par\medskip
175     \footnotesize\itshape
176     A journal for the history of all forms of scientific thought and
177     action, ancient and modern, in all regions of South Asia\par
178   \end{minipage}
179   \par
180   \vfill
181   \begin{minipage}{\linewidth}
182     \raggedright
183     \LARGE
184     \@HSSAspecialissuedetails
185   \end{minipage}
```

```

186 \par
187 \vfill
188 \par
189 \begin{minipage}{\linewidth} % Here's the main title and author and affiliation
190 \raggedright
191 \LARGE
192 \@HSSAarticletitle
193 \par\vspace*{10mm}
194 \large
195 \@HSSAauthorname\par
196 \vspace{.8\baselineskip}
197 \normalsize
198 \emph{\@HSSAauthoraddress}
199 \par\vspace*{10mm}
200 \end{minipage}
201 \par
202 \vfill
203 \par
204 \hspace*{-.05\linewidth}%
205 \begin{minipage}{1.1\linewidth}
206 \rule{\linewidth}{.1pt}
207 \footnotesize
208 {\tiny MLA} style citation form: \thecovercitation \[3pt]
209 Online version available at: {\def\urlcolor{Maroon!20}%
210 \href{http://hssa-journal.org}{http://hssa-journal.org}}
211 \end{minipage}
212 \endgroup
213 \vspace{-10mm}
214 \newpage
215 } % end coverpage

```

3.10 The the content of the copyright page

\copyrightspage

```

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

```


231 ISSN 2369-775X

232

233 \vfill

234

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236 \begin{itemize}

237 \leftmargini=1em

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250 \end{itemize}

251

252 \medskip

253

254 \textit{Publisher:}\\[4pt]

255 History of Science in South Asia

256

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258

259 \textit{Principal Contact:}\\[4pt]

260 Dominik Wujastyk, Editor, University of Alberta\\

261 Email: \$\langle\$wujastyk@ualberta.ca\$\rangle\$

262

263 \medskip

264

265 \textit{Mailing Address:}\\[4pt]

266 History of Science in South Asia,\\

267 Department of History, Classics and Religion,\\

268 2--81 HM Tory Building,\\

269 University of Alberta,\\

270 Edmonton, AB, T6G 2H4\\

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277 a greater global exchange of knowledge.

278

279 \medskip

```

280
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283 \href{http://www.creativecommons.org/licenses/by-sa/4.0/}{Creative Commons
284 Attribution-ShareAlike 4.0} License.
285
286 \medskip
287
288 The electronic versions were generated from sources marked up in
289 \href{http://www.latex-project.org/}{\LaTeX{}} in a computer running
290 \textsc{gnu/linux} operating system. \textsc{pdf} was typeset
291 using \href{http://tug.org/xetex/}{\XeTeX{}} from
292 \href{http://tug.org/texlive/}{\TeX Live}.
293 The base font used for Latin script and oldstyle numerals was
294 \href{http://www.gust.org.pl/projects/e-foundry/tex-gyre/pagella}{\TeX{}}
295 Gyre Pagella} developed by
296 \href{http://www.gust.org.pl/}{\textsc{gust}}, the Polish
297 \TeX{} Users Group.
298 \end{minipage}
299 \endgroup
300
301 \pagecolor{white}
302 \normalcolor
303 } % end \copyrightpage

```

3.11 The content of the back cover page

\coverlastpage

```

304 \long\def\coverlastpage{\newpage\parindent=0pt
305   \thispagestyle{empty}
306   \pagecolor{pagecolor}
307   \parskip=0pt
308   \mbox{}
309   \vfill
310   \par
311   \color{endscriptcolor}
312   \colorlet{urlcolor}{endurlcolor}
313   \rule[3pt]{\textwidth}{.2pt}
314   {\normalfont\scriptsize\raggedright Please write to
315     \href{mailto:wujastyk@ualberta.ca}
316     {\color{white}$\langle$wujastyk@ualberta.ca$\rangle$}
317     to file bugs/problem reports, feature requests and to get involved. \\
318     % \addfontfeature{LetterSpace=6}%
319     \href{http://hssa-journal.org}
320     {\color{white}The History of Science in South Asia}
321     \textbullet\
322     Department of History and Classics,
323     2--81 HM Tory Building, University of Alberta,
324     Edmonton, AB, T6G 2H4,

```

```

325         Canada.}%
326     \vspace*{-20pt}
327 }

```

3.12 Tweak captions → footnotesize

```

\@makecaption
328 % originally for Speciale
329 \long\def\@makecaption#1#2{%
330     \vskip\abovecaptionskip
331     \footnotesize % added footnotesize
332     \sbox\@tempboxa{#1: #2}%
333     \ifdim \wd\@tempboxa >\hsize
334         #1: #2\par
335     \else
336         \global \@minipagefalse
337         \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
338     \fi
339     \vskip\belowcaptionskip}

```

3.13 Page layout dimensions

DW can this be superseded by the geometry package?

```

pagelayout
340 \renewcommand\topfraction{1}
341 \renewcommand\bottomfraction{.8}
342 \renewcommand\textfraction{0}
343 \renewcommand\floatpagefraction{.8} % 0.95 better ???
344 \renewcommand\dbltopfraction{1}
345 \renewcommand\dblfloatpagefraction{.8}
346 \renewcommand\topfraction{1}
347 \renewcommand\bottomfraction{.8}
348 \renewcommand\textfraction{0.1}
349 \renewcommand\floatpagefraction{0.95} % was 0.8 changed 1

```

3.14 Misc layout settings

```

350 \lefthyphenmin=3
351 \righthyphenmin=3
352 %\RequirePackage[hang]{footmisc}
353 %\setlength\footnotemargin{.8em}
354
355 %\geometry{footskip=42pt}
356
357 \RequirePackage{lettrine}
358 \RequirePackage[normalem]{ulem}

```

3.15 Journal-specific user-facing macros

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

```

359 \def\HSSAspecialissuedetails#1{\gdef\@HSSAspecialissuedetails{#1}}
360 \HSSAspecialissuedetails{\empty }

```

`\HSSAissuenum` Provide user command `\HSSAissuenum`.

```

361 \def\HSSAissuenum#1{\gdef\@HSSAissuenum{#1}}
362 \HSSAissuenum{999}

```

`\HSSAarticletitle` Provide user command `\HSSAarticletitle`

```

363 \def\HSSAarticletitle#1{\gdef\@HSSAarticletitle{#1}\hypersetup{pdftitle=#1}}
364 \HSSAarticletitle{My Life}

```

Provide user command `\HSSAauthorname`

```

365 \def\HSSAauthorname#1{\gdef\@HSSAauthorname{#1}\hypersetup{pdfauthor=#1}}
366 \HSSAauthorname{Joe Bloggs}

```

Provide user command `\HSSAissuedate`

```

367 \def\HSSAissuedate#1{\gdef\@HSSAissuedate{#1}}
368 \HSSAissuedate{1900}

```

Provide user command `\HSSAauthoraddress`

```

369 \def\HSSAauthoraddress#1{\gdef\@HSSAauthoraddress{#1}}
370 \HSSAauthoraddress{Timbuktu}

```

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

```

371 \def\DOI#1{\gdef\@DOI{#1}}
372 \gdef\@DOI{\empty}
373 %\newtoks\DOI
374 \newcommand{\printDOI}{\ifx\@DOI\empty\relax
375   \else
376     {\def\@urlcolor{Maroon!20}
377       \textsc{doi:} \href{https://doi.org/\@DOI}{\@DOI}.\fi }
378 }

```

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

```

379 \def\covercitation#1{\gdef\thecovercitation{#1}}
380 %
381 \covercitation{\@HSSAauthorname. "\@HSSAarticletitle."
382   \emph{\@HSSAtitle}, \@HSSAissuenum\ (\@HSSAissuedate):
383   \thefirstpage--\thelastpage. \printDOI }
384 %/DW

```

```

385 \def\fspace#1{\addfontfeature{LetterSpace=#1}}

```

3.16 Customizing the sectioning commands

```
\section
386 \setcounter{secnumdepth}{1}
387 \renewcommand\section{\@startsection {section}{1}{\z@}%
388     {-18\p@ \@plus 6\p@ \@minus 3\p@}%
389     {9\p@ \@plus 6\p@ \@minus 3\p@}%
390     {\normalsize\centering\fspace{10}\MakeUppercase}}
391 \renewcommand\subsection{\@startsection{subsection}{2}{\z@}%
392     {-15\p@ \@plus 6\p@ \@minus 3\p@}%
393     {6\p@ \@plus 6\p@ \@minus 3\p@}%
394     %           {\normalfont\footnotesize\fspace{10}\centering\MakeUppercase}}
395     {\normalfont\large\scshape\fspace{8}\centering\MakeLowercase}}
396 \renewcommand\subsubsection{\@startsection{subsubsection}{3}{\z@}%
397     {-15\p@ \@plus 6\p@ \@minus 3\p@}%
398     {\p@}%
399     {\normalfont\normalsize\itshape\centering}}
```

3.17 Collecting the page-number information

```
400 \def\HSSAfirstpage#1{\gdef\thefirstpage{#1}}
401 \def\HSSAlastpage#1{\gdef\thelastpage{#1}}
402 % Initialize the values:
403 \HSSAfirstpage{000}
404 \HSSAlastpage{999}
```

3.18 Creative Commons logo

```
405 \newbox\cclogobox
406 \global\setbox\cclogobox=\hbox{%
407     \includegraphics[width=10mm]{/home/dom/Dropbox/localtexmf/tex/HSSA/cc-by-sa.eps}}
```

3.19 Tweak tabular layout

```
408 \newcommand\arraybslash{\let\\ \@arraycr}
409 \setlength\tabcolsep{1mm}
410 \renewcommand\arraystretch{1.3}

411 \RequirePackage{xltextra}
412 \emergencystretch=.1\columnwidth
```

3.20 Not used

Legacy code to be thought about and probably weeded out.

```
413 %\HSSAjournalAbbrev{Hist.~Sci.~South Asia}
414 \definecolor{bg}{HTML}{600000}
415 \colorlet{pagecolor}{bg}
416 \colorlet{urlcolor}{black!50}
417 \colorlet{endurlcolor}{pagecolor!30}
418 \colorlet{linkcolor}{black!50}
419 \colorlet{endscriptcolor}{pagecolor!20}
```

3.21 PDF metadata

Commented out because it interferes with other stuff.

```
420 % \pdfstringdef{\@temppdftitle}{\@HSSAarticletitle}
421 % \pdfstringdef{\@temppdfauthor}{\@HSSAauthorname}
422 % \pdfinfo{%
423 %     % copying out title because of macro expansion problems
424 %         /Title (\@temppdftitle)
425 %         /Author (\@temppdfauthor)
426 %         /Keywords (DOI: https://doi.org/\@DOI)
427 %     }
428 %}
```

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

```
429 %\usepackage[a-1b]{pdfx} % get an archival PDF
430 % optionally, create a file \jobname.xmpdata with \Author{} \Title{} \Copyright{}
431 % \CopyrightURL{} \Keywords{}
```

3.22 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.

```
432 \hypersetup{colorlinks=true,
433     bookmarksopen=false,
434     pdfpagescrop={39 62 554 759},
435     % now hyperxmp settings:
436 %     pdfauthor={\@HSSAauthorname},
437 %     pdftitle={\@HSSAarticletitle},
438     pdfcopyright={\copyright\ The Author},
439 %     pdfdoi={\@DOI },
440 %     pdfurl={https://doi.org/\@DOI},
441     pdfissn={2369-775X},
442     pdflicenseurl={https://creativecommons.org/licenses/by-sa/4.0/},
443     pdfpublication={History of Science in South Asia},
444     pdfcaptionwriter={Dominik Wujastyk},
445     pdfurl={https://journals.library.ualberta.ca/hssa/},
446     pdfpublisher={University of Alberta Library},
447     pdfpubtype={journal},
448     pdfpubstatus={VoR}, % Version of Record
449 }
```

3.23 Simple indented, environment for Sanskrit verses

```
\begin{sloka}
450 %\newenvironment{sloka}
```

```

451 % {\list}{\rightmargin\leftmargin}%
452 %   \item\relax}
453 %{\endlist}
454 %
455 \newenvironment{sloka} % tweaked from verse
456 {\let\\\@centercr
457   \parindent 1em
458   \leavevmode \hskip-.03em
459   %   \rightmargin \leftmargin
460   %   \advance \leftmargin 10em
461   %   \advance\leftskip 2em
462   %   \advance\rightskip 2em
463   %\narrower
464 }
465 {\relax }

```

3.24 Diatop

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

```

466   \def\diatop[#1|#2]{\leavevmode{\setbox1=\hbox{{#1}}}\setbox2=\hbox{{#2}}}%
467   \dimen0=\ifdim\wd1>\wd2\wd1\else\wd2\fi%
468   \dimen1=\ht2\advance\dimen1by-1ex%
469   \setbox1=\hbox to1\dimen0{\hss#1\hss}%
470   \rlap{\raise1\dimen1\box1}%
471   \hbox to1\dimen0{\hss#2\hss}}}%

```

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

3.24.1 Unknown

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

```

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

```

3.25 Mini edition environment

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

```

473 \newenvironment{miniedition}
474   {\addtolength{\textwidth}{-\rightmargin} % width of the quote environment
475   \begin{quote}
476     \begin{ }{\textwidth}
477       \let\footnoterule\relax
478       % \let\footnote\originalfootnote
479     }
480   {\end{minipage}
481   \end{quote}
482 }

```

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

3.26 Index of Manuscripts

`\MScite` The command `\MScite` is defined in `hssa-indexing.sty`

483 `\usepackage{hssa-indexing}`

Usage:

```
\MScite{London Wellcome Indic alpha 23}  
\printindex[manuscripts]
```


4 Style file for HSSA journal: hssa.sty

Style file for the HSSA journal.¹ 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.

4.1 Load basic macros for reledmac (footnote cols)

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

We don't load hssa-biblatex as an option here because it is already loaded in hssa.cls; it's a permanent feature of HSSA.

4.2 Set up the languages and fonts, Polyglossia-style

4.2.1 British English, Greek, Sanskrit

```
485 \setdefaultlanguage[variant=british]{english}
486 %\setotherlanguage{japanese} % still experimental in Polyglossia
487 \setotherlanguage{greek}
488 \setotherlanguage{sanskrit}
```

4.2.2 T_EX Gyre Pagella, the default roman font for HSSA

```
489 \setmainfont[Ligatures=TeX,
490 Mapping=tex-text,
491 Numbers=OldStyle]{TeX Gyre Pagella}
492 %\setmainfont[Scale=1.05]{Alegreya} % quite nice; superscripts not smaller
493 %\setmainfont{Libertinus Serif} % looks good; does math
```

4.2.3 Sanskrit input in Devanagari script

```
494 \newfontfamily\sanskritfont[Script=Devanagari,
495 %Mapping=RomDev,
496 FakeStretch=1.08, % improves Sanskrit 2003
497 ]
498 {Sanskrit 2003}
499 % {Murty Sanskrit}
500 \let\dn\sanskritfont %for legacy Velthuis-encoded documents
```

4.2.4 Sanskrit input in IAST script, output in Devanagari

```
501 % Sanskrit input in IAST
502 \newfontfamily\devanagarifont[Script=Devanagari,
503 Mapping=RomDev,
504 FakeStretch=1.08, % improves Sanskrit 2003
505 ]
506 % {Murty Sanskrit}
507 {Sanskrit 2003}
508 \newcommand{\dev}[1]{\{\devanagarifont#1\}}
```

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

```

509 %\newcommand{\dev}[1]{\textdevanagari{#1}}
510 \newcommand{\largesloka}[1]{\raggedright \devanagarifont\large #1\par}}

```

4.2.5 Chinese

```

511 \newfontfamily\cjk[Script=CJK,Mapping=tex-text,Scale=MatchLowercase]
512 %\IPAexMincho} % missing
513 %\TakaoPGothic}
514 {Yu Mincho}
515 %

```

4.2.6 Greek font

```

516 % Greek
517 \newfontfamily\greekfont{Gentium Plus}[Script=Greek,
518     Mapping=tex-text,
519     Scale=MatchUppercase]
520 %
521 %\Old Standard}
522 %\GFS Porson}
523 %\GFS Didot}
524 %\Galatia SIL}
525 %\Linux Libertine O}

```

See [Stackexchange about Greek fonts](#).

4.3 Local generic author-facing macros

```

\bce
\ce 526 \def\bce{\textsc{bce}} % I took out the final \xspace
\BCE 527 % because it's behaviour is hard to predict - DW
\CE 528 \def\ce{\textsc{ce}} % ditto.
529 \let\BC\bce \let\BCE\bce \let\AD\ce \let\CE\ce

```

4.4 Math mode with Unicode fonts

```

530 \usepackage{unicode-math} % must load after amsmath; see manual ch. 3
531 %\setmathfont{texgyrepagella-math.otf} % doesn't have old style numerals.
532 \setmathfont{Asana Math}[Numbers=OldStyle]

```

4.5 Two-column footnote formatting

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

```
533 \usepackage[nocritical,
534     noend,
535     %noeledsec,
536     %noledgroup,
537     series={A,B}]{reledmac}
538 \usepackage{setspace}
539 %\let\footnoteruleA=\relax % do we want a footnoterule?
540 \def\thempfootnote{{\itshape\@alph\c@mpfootnote}} % from latex.ltx
541 \arrangementX[A]{twocol}
542 \colalignX{\relax } % looks better. But should we optimize narrow columns
543 %by going \verb"\raggedright"?
544 \beforenotesX{2em plus 1.5em minus 1.5em} % spacing above notes
545 \renewcommand*{\normalfootfootmarkX}[1]{%
546     \@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.

```
547 \let\originalfootnote=\footnote % store this for use in minipages
548 \def\@minipagerestore{\let\footnote\originalfootnote} % restore standard \footnote
549 % Now change \verb"\footnote" to the reledmac version:
550 \let\footnote=\footnoteA
```

[Stackexchange help](#).

```
551 \usepackage{microtype}
```

5 Biblatex settings for HSSA

Don't need this at present:

```
552 % \usepackage[%  
553 % tools={manuscripts},  
554 % bibstyle={authoryear},  
555 % ]{biblatex-multiple-dm} % for biblatex-manuscripts-philology
```

5.1 Load Biblatex

```
556 \usepackage[%  
557 backend=biber,  
558 %bibstyle=multiple-dm, % for biblatex-manuscripts-philology  
559 %citestyle=authoryear-comp,  
560 %  
561 % now oxref:  
562 style=oxyear,  
563 dashed=true,  
564 usetranslator=true,% see oxref documentation para 2.1.10  
565 %ibidtracker=constrict,  
566 %ibidpage=false,  
567 %pagetracker=page,  
568 %idemtracker=constrict,  
569 sorting=ynt,
```

(on ynt, see [Cikitsā blog post](#).)

```
570 sortcites=true,  
571 backref=false,  
572 date=comp,  
573 datecirca=true,  
574 dateuncertain=true,  
575 bibencoding=auto,  
576 hyperref=auto,  
577 isbn=true,  
578 doi=true,  
579 language=auto,  
580 natbib=true,  
581 texencoding=auto,  
582 url=true,  
583 urldate=short,  
584 useprefix=true,  
585 %refsection=section,  
586 maxbibnames=10]{biblatex}
```

5.2 Settings for oxyear

```
587 \ExecuteBibliographyOptions[% for biblatex-oxyear  
588 book,  
589 mvbook,  
590 mvcollection,
```

```

591 inbook,
592 incollection,
593 inreference,
594 collection,
595 reference,
596 mvreference]{useeditor=true,usetranslator=true}

597 \AtBeginDocument{\assignrefcontextentries[]{*}}

```

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

5.3 Bibliography sorting

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

```

598 \renewrobustcmd*{\printbibliography}{%
599   \newrefcontext[sorting=nyt] % added this line
600   \begingroup
601   \delimcontext{bib}%
602   \edef\on@line{\on@line}%
603   \@ifnextchar[%
604     {\blx@printbibliography}
605     {\blx@printbibliography[]}]
606 }

```

5.4 Positioning of the notes

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

```

607 \DeclareSourcemap{
608   \maps[datatype=bibtex]{
609     \map{
610       \step[fieldsource=note, final]
611       \step[fieldset=addendum, origfieldval, final]
612       \step[fieldset=note, null]
613     }
614   }
615 }

616 \usepackage{csquotes}

```

5.5 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:

```

617 %\DeclareFieldFormat{url}{\textsc{url:} {\small \href{#1}{\nolinkurl{#1}}}}
618 %\DeclareFieldFormat{doi}{\textsc{doi:} {\small \href{#1}{\nolinkurl{#1}}}}

```

5.6 URL formatting in the bibliography

5.6.1 Buddhist Digital Resource Center

```
619 \DeclareFieldFormat{eprint:tbrc}{%
620   \textsc{TBRC}\space
621   \ifhyperref
622     {\href{https://www.tbrc.org/\#!rid=#1}{\nolinkurl{#1}}}
623 {\nolinkurl{#1}}}
```

5.6.2 ARK

```
624 \DeclareFieldFormat{eprint:ark}{%
625   \textsc{ark:}\space
626   \ifhyperref
627     {\href{https://n2t.net/#1}{\nolinkurl{#1}}}
628 {\nolinkurl{#1}}}
```

5.6.3 Archive.org

```
629 \DeclareFieldFormat{eprint:archive}{%
630   Internet Archive\addcolon\space
631   \ifhyperref
632     {\href{http://archive.org/#1}{\nolinkurl{#1}}}
633 {\nolinkurl{#1}}}
634 \DeclareFieldAlias{eprint:archiveorg}{eprint:archive}
```

5.6.4 Academia.edu

```
635 \DeclareFieldFormat{eprint:academia}{%
636   Academia.edu\addcolon\space
637   \ifhyperref
638     {\href{http://www.academia.edu/#1}{\nolinkurl{#1}}}
639 {\nolinkurl{#1}}}
640 \DeclareFieldAlias{eprint:academia.edu}{eprint:academia}
```

5.6.5 Digital Library of India

```
641 \DeclareFieldFormat{eprint:dli}{%
642   DLI\addcolon\space
643   \ifhyperref
644     {\href{http://www.dli.gov.in/cgi-bin/DBscripts/allmetainfo.cgi?barcode=#1/}{\nolinkurl{#1}}}
645 {\nolinkurl{#1}}}
646 \DeclareFieldAlias{eprint:DLI}{eprint:dli}
```

5.6.6 JSTOR

```
647 \DeclareFieldFormat{eprint:jstor}{%
648   \ifhyperref
649     {\href{http://www.jstor.org/stable/#1}{\small JSTOR}}}
650 {\nolinkurl{#1}}}
```

5.6.7 Jainelibrary

```

651 \DeclareFieldFormat{eprint:jainlibrary}{%
652 Jain eLibrary\addcolon\space
653 \ifhyperref{sloka
654 {\href{http://www.jainlibrary.org/book.php?file=#1}{\nolinkurl{#1}}}
655 {\nolinkurl{#1}}}

```

5.6.8 DOI

```

656 \DeclareFieldFormat{doi}{%
657   \textsc{doi}\addcolon\space
658   \ifhyperref
659     {\href{https://doi.org/#1}{\nolinkurl{#1}}}
660     {\nolinkurl{#1}}}

```

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

```

661 \DeclareFieldFormat{postnote}{#1}
662 \renewcommand{\postnotedelim}{: \,}
663 \renewcommand{\nameyear delim}{ }

```

5.8 “Forthcoming” hacks

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

```

664 \DeclareLabeldate{%
665   \field{date}
666   \field{year}
667   \field{pubstate}
668   \field{eventdate}
669   \field{origdate}
670   \field{urldate}
671   \literal{nodate}
672 }

```

5.9 Tighten up URL date

```

673 \DeclareFieldFormat{urldate}{%
674   (on
675   \thefield{urlday}\addspace%
676   \mkbibmonth{\thefield{urlmonth}}\addspace%
677   \thefield{urlyear})\isdot}

```

5.10 Hyperlink magic

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

```

678 \DeclareFieldFormat{shorthandwidth}{%
679   \bibhypertarget{shorthand:\thefield{entrykey}}
680   {#1}}
681
682 \DeclareFieldFormat{bibhyperref}{%

```

```
683 \iffieldundef{shorthand}  
684 {\bibhyperref{#1}}  
685 {\bibhyperlink{shorthand:\thefield{entrykey}}{#1}}
```


6 Indexing for HSSA

Formerly used xindy; now updated to use xindex

```
686 \usepackage[imakeidx]{xindex}
687 % \PassOptionsToPackage{nonewpage}{imakeidx}
688 %
689 \indexsetup{level=\section*,
690     noclearpage,
691     firstpagestyle=fancy
692 }
693 %
694 \makeindex[name=lexical,
695 title=Lexical Index,
696 columns=3,
697 options= --config iast --no_casesensitive --noheadings, % nocasesensitive,
698 %noheadings
699 ]
700 %
701 \makeindex[name=manuscripts,
702 title=Index of Manuscripts,
703 options= --config iast --no_casesensitive --noheadings,
704 columns=1]
705 %
```

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`

```
706 \newcommand{\saneng}[2]
707 % #1 = Sanskrit
708 % #2 = English
709 {#2 (\sansk{#1})%
710     \index[lexical]{#2!#1@\emph{#1}}%
711     \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.

```
712 \providecommand{\ssaneng}[2]% silent index entry
713 % #1 = Sanskrit
714 % #2 = English
715 {\index[lexical]{#2!#1@\emph{#1}}%
716     \index[lexical]{#1@\emph{#1}!#2}}
```

Tidy up the index spacing:

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

7 Commands for citing and indexing manuscripts

`\MS`

```
718 \newcommand{\MS}[1]{MS #1\index[manuscripts]{#1}}
```

```
719 \let\MScite=\MS
```

And a silent version (data to index; nothing in text):

```
720 \newcommand{\MSsilent}[1]{\index[manuscripts]{#1}}
```

```
721 \let\MSnocite=\MSsilent
```

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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