

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

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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}
```

2.2 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.

2.2.2 Environments for ślokas and mini-editions

`miniedition` An environment for making apparatus notes to a single śloka or two.
`sloka` 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, 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`.

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

See the documentation for [Polyglossia](#) for details of how these are used.
`\textgreek` These macros switch to the respective languages and scripts (Devanagari for `\textsanskrit{}`).
`\textenglish`
`\textsanskrit` An abbreviation for `\textsanskrit`
`\dev` This is just a switch, so say `{\cjk X}` where *X* is a Chinese character.
`\cjk`

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

<code>\diatop</code>	Puts more than one accent over a letter. This isn't available in standard L ^A T _E X, but we philologists sometimes need it. Say, for example, <code>\diatop[\' {\o}]</code> to get \acute{o} .
<code>\PreliminaryNote</code>	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."
<code>rotating</code>	That's pretty much it. You might want to add <code>\usepackage[figuresright]{rotating}</code> if you have some tables to go sideways.

2.3 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{LaTeX2e}  Declare that we are using the main LATEX2e format.
    1 \NeedsTeXFormat{LaTeX2e}

\LoadClass[11pt]{article}  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     amsfonts,
    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}
99      {doi: \@DOI}}}
100 \fancyfoot[C]{\textenglish{\@HSSAheaderfooterfont\@HSSAfooter}}
101 \fancyfoot[R]{}
102 %\renewcommand{\headrulewidth}{0pt}
103 %\renewcommand{\footrulewidth}{0pt}%
104 }
```

`\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.

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

3.5 Output the preliminary matter

`\AtBeginDocument`

```

108 %DW
109 \AtBeginDocument{%
110     \coverpage
111     \copyrightspage
112     %
113     \setcounter{page}{0}
114     \maketitle
115     \thispagestyle{fancy-plus-DOI}
116     \setcounter{page}{\thefirstpage}
117 %
118 %\@ifpackageloaded{hyperref}
119     \def\@linkcolor{darkbrown}
120     \def\@anchorcolor{darkbrown}
121     \def\@citecolor{darkbrown}
122     \def\@filecolor{darkbrown}
123     \def\@urlcolor{darkbrown}
124     \def\@menucolor{darkbrown}
125     \def\@pagecolor{darkbrown}
126 %
127     \selectbackgroundlanguage{english}
128     \input{sanskrit-hyphenations} % for some reason this doesn't work
129 }

```

3.6 Output the pages that come after the article

\AtEndDocument

```

130 \AtEndDocument{%
131     \newpage
132     \coverlastpage
133 }

```

3.7 Arrange the appendix

Appendix

```

134 % Consider using \RequirePackage[title]{appendix}
135 %
136 \def\appendixname{Appendix}
137 \renewcommand\appendix{\par
138     \setcounter{section}{0}%
139     \setcounter{subsection}{0}%
140     \setcounter{equation}{0}
141     \addtocontents{toc}{\string\let\string\numberline\string\tmptocnumberline}{-}{-}
142 }

```

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

```

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

```

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

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

3.9 The content of the cover page

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

```

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

```

3.10 The the content of the copyright page

\copyrightspage

```

217 \long\def\copyrightspage{%
218 \begingroup
219 \pagecolor{white}
220 \normalcolor
221 \thispagestyle{empty}
222 \footnotesize
223 \begin{minipage}[t][.98\textheight][t]{\linewidth}
224 {\addfontfeature{LetterSpace=8}\bfseries
225 HISTORY OF SCIENCE IN SOUTH ASIA}\\
226 A journal for the history of all forms of scientific thought and action,
227 ancient and modern, in all regions of South Asia, published online
228 at \href{http://hssa-journal.org}{http://hssa-journal.org}
229
230 \vfill
231

```

232 ISSN 2369-775X
233
234 \vfill
235
236 \textit{Editorial Board:}\\
237 \begin{itemize}
238 \leftmargini=1em
239 \item Dominik Wujastyk, University of Alberta, Edmonton, Canada
240 \item Kim Plofker, Union College, Schenectady, United States
241 % \item Dhruv Raina, Jawaharlal Nehru University, New Delhi, India
242 \item Clemency Montelle, University of Canterbury,
243 Christchurch, New Zealand
244 \item Fabrizio Speciale, School of Advanced Studies in the
245 Social Sciences (EHSS), Paris, France
246 \item Michio Yano, Kyoto Sangyo University, Kyoto, Japan
247 \item Gudrun Bühnemann, University of Wisconsin-Madison, USA
248 \item Anuj Misra, University of Copenhagen, Denmark
249 \item Aditya Kolachana, Indian Institute of Technology, Madras, India
250 \item Dagmar Wujastyk, University of Alberta, Edmonton, Canada
251 \end{itemize}
252
253 \medskip
254
255 \textit{Publisher:}\\[4pt]
256 History of Science in South Asia
257
258 \medskip
259
260 \textit{Principal Contact:}\\[4pt]
261 Dominik Wujastyk, Editor, University of Alberta\\
262 Email: \$\langle\$wujastyk@ualberta.ca\$\rangle\$
263
264 \medskip
265
266 \textit{Mailing Address:}\\[4pt]
267 History of Science in South Asia,\\
268 Department of History, Classics and Religion,\\
269 2--81 HM Tory Building,\\
270 University of Alberta,\\
271 Edmonton, AB, T6G 2H4\\
272 Canada
273
274 \medskip
275
276 This journal provides immediate open access to its content on the
277 principle that making research freely available to the public supports
278 a greater global exchange of knowledge.
279
280 \medskip

```

281
282 Copyrights of all the articles rest with the respective authors and
283 published under the provisions of
284 \href{http://www.creativecommons.org/licenses/by-sa/4.0/}{Creative Commons
285 Attribution-ShareAlike 4.0} License.
286
287 \medskip
288
289 The electronic versions were generated from sources marked up in
290 \href{http://www.latex-project.org}{\LaTeX{}} in a computer running
291 \textsc{gnu/linux} operating system. \textsc{pdf} was typeset
292 using \href{http://tug.org/xetex/}{\XeTeX{}} from
293 \href{http://tug.org/texlive/}{\TeX Live}.
294 The base font used for Latin script and oldstyle numerals was
295 \href{http://www.gust.org.pl/projects/e-foundry/tex-gyre/pagella}{\TeX{}}
296 Gyre Pagella} developed by
297 \href{http://www.gust.org.pl}{\textsc{gust}}, the Polish
298 \TeX{} Users Group.
299 \end{minipage}
300 \endgroup
301
302 \pagecolor{white}
303 \normalcolor
304 } % end \copyrightpage

```

3.11 The content of the back cover page

\coverlastpage

```

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

```



```

326         Canada.}%
327     \vspace*{-20pt}
328 }

```

3.12 Tweak captions → footnotesize

```

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

```

3.13 Page layout dimensions

DW can this be superseded by the geometry package?

```

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

```

3.14 Misc layout settings

```

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

```

3.15 Journal-specific user-facing macros

```

\HSSAspecialissuedetails Only for for guest-edited single-theme issues.
360 \def\HSSAspecialissuedetails#1{\gdef\@HSSAspecialissuedetails{#1}}
361 \HSSAspecialissuedetails{\empty }

\HSSAissuenum Provide user command \HSSAissuenum.
362 \def\HSSAissuenum#1{\gdef\@HSSAissuenum{#1}}
363 \HSSAissuenum{999}

\HSSAarticletitle Provide user command
    Provide user command
    Provide user command
    Provide user command
    Collect DOI info when ready and print it in covercitation Provide DOI
    when we have it. Say , and then later DOI: OI. where you want it printed.

\covercitation Gather the required information for the MLA cover citation and format it
    for output
364 \def\covercitation#1{\gdef\thecovercitation{#1}}
365 %
366 \covercitation{\@HSSAauthorname. "\@HSSAarticletitle."
367     \emph{\@HSSAtitle}, \@HSSAissuenum\ (\@HSSAissuedate):
368     \thefirstpage--\thelastpage. \printDOI }
369 %/DW

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

\section
371 \setcounter{secnumdepth}{1}
372 \renewcommand\section{\@startsection {section}{1}{\z@}%
373     {-18\p@ \@plus 6\p@ \@minus 3\p@}%
374     {9\p@ \@plus 6\p@ \@minus 3\p@}%
375     {\normalsize\centering\fspace{10}\MakeUppercase}}
376 \renewcommand\subsection{\@startsection{subsection}{2}{\z@}%
377     {-15\p@ \@plus 6\p@ \@minus 3\p@}%
378     {6\p@ \@plus 6\p@ \@minus 3\p@}%
379     % {\normalfont\footnotesize\fspace{10}\centering\MakeUppercase}}
380     {\normalfont\large\scshape\fspace{8}\centering\MakeLowercase}}
381 \renewcommand\subsubsection{\@startsection{subsubsection}{3}{\z@}%
382     {-15\p@ \@plus 6\p@ \@minus 3\p@}%
383     {\p@}%
384     {\normalfont\normalsize\itshape\centering}}

385 \def\HSSAfirstpage#1{\gdef\thefirstpage{#1}}
386 \def\HSSAlastpage#1{\gdef\thelastpage{#1}}
387 % Initialize the values:
388 \HSSAfirstpage{000}
389 \HSSAlastpage{999}

```

3.16 Creative Commons logo

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

3.17 Tweak tabular layout

```
393 \newcommand\arraybslash{\let\\\@arraycr}
394 \setlength\tabcolsep{1mm}
395 \renewcommand\arraystretch{1.3}

396 \RequirePackage{xltextra}
397 \emergencystretch=.1\columnwidth
```

3.18 Not used?

```
398 %\HSSAJournalAbbrev{Hist.~Sci.~South Asia}
399 \definecolor{bg}{HTML}{600000}
400 \colorlet{pagecolor}{bg}
401 \colorlet{urlcolor}{black!50}
402 \colorlet{endurlcolor}{pagecolor!30}
403 \colorlet{linkcolor}{black!50}
404 \colorlet{endscriptcolor}{pagecolor!20}
```

3.19 PDF metadata

Commented out because it interferes with other stuff.

```
405 %   \pdfstringdef{\@temppdftitle}{\@HSSAarticletitle}
406 %   \pdfstringdef{\@temppdfauthor}{\@HSSAauthorname}
407 %   \pdfinfo{%
408 %       % copying out title because of macro expansion problems
409 %       /Title (\@temppdftitle)
410 %       /Author (\@temppdfauthor)
411 %       /Keywords (DOI: https://doi.org/\@DOI)
412 %   }
413 %}
```

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

```
414 %\usepackage[a-1b]{pdfx} % get an archival PDF
415 % optionally, create a file \jobname.xmpdata with \Author{} \Title{} \Copyright{}
416 % \CopyrightURL{} \Keywords{}
```

3.20 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.

```
417 \hypersetup{colorlinks=true,
```

```

418     bookmarksopen=false,
419     pdfpagescrop={39 62 554 759},
420     % now hyperxmp settings:
421     % pdfauthor={\@HSSAauthorname},
422     % pdftitle={\@HSSAarticletitle},
423     pdfcopyright={\copyright\ The Author},
424     % pdfdoi={\@DOI },
425     pdfurl={https://doi.org/\@DOI},
426     pdfissn={2369-775X},
427     pdflicenseurl={https://creativecommons.org/licenses/by-sa/4.0/},
428     pdfpublication={History of Science in South Asia},
429     pdfcaptionwriter={Dominik Wujastyk},
430     pdfurl={https://journals.library.ualberta.ca/hssa/},
431     pdfpublisher={University of Alberta Library},
432     pdfpubtype={journal},
433     pdfpubstatus={VoR}, % Version of Record
434 }

```

3.21 Simple indented, environment for Sanskrit verses

```

\beginsloka
435 %\newenvironment{sloka}
436 % {\list{}{\rightmargin\leftmargin}%
437 %   \item\relax}
438 %{\endlist}
439 %
440 \newenvironment{sloka} % tweaked from verse
441 {\let\\\@centercr
442   \parindent 1em
443   \leavevmode \hskip-.03em
444   %   \rightmargin \leftmargin
445   %   \advance \leftmargin 10em
446   %   \advance\leftskip 2em
447   %   \advance\rightskip 2em
448   %\narrower
449 }
450 {\relax }

```

3.22 Diatop

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

```

451 \def\diatop[#1|#2]{\leavevmode{\setbox1=\hbox{#{#1}}}\setbox2=\hbox{#{#2}}}%
452 \dimen0=\ifdim\wd1>\wd2\wd1\else\wd2\fi%
453 \dimen1=\ht2\advance\dimen1by-1ex%
454 \setbox1=\hbox to1\dimen0{\hss#1\hss}%
455 \rlap{\raise1\dimen1\box1}%
456 \hbox to1\dimen0{\hss#2\hss}}%

```

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

3.22.1 Unknown

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

```
457 \newcommand{\lettergroup}[1]{\smallskip }
```

3.23 Mini edition environment

miniedition Documented at

[the Cikitsā blog](#).

```
458 \newenvironment{miniedition}
459   {\addtolength{\textwidth}{-\rightmargin} % width of the quote environment
460     \begin{quote}
461       \begin{ }{\textwidth}
462         \let\footnoterule\relax
463         % \let\footnote\originalfootnote
464       }
465     {\end{minipage}
466     \end{quote}
467   }
```

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` (??).

3.24 Index of Manuscripts

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

```
468 \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 See <http://tug.org/pracjourn/2005-3/asknelly/> for a nice statement of the difference between .cls and .sty files. 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 biblatex and reledmac (footnote cols)

```
469 \usepackage{hssa-reledmac, % journal home style, two-col footnotes
470 % hssa-biblatex is already loaded in hssa.cls; can't imagine not needing it.
471 }
```

4.2 Set up the languages and fonts, Polyglossia-style

```
472 \setdefaultlanguage[variant=british]{english}
473 %\setotherlanguage{japanese} % not supported in polyglossia yet
474 \setotherlanguage{greek}
475 \setotherlanguage{sanskrit}
476
477
478 \setmainfont[Ligatures=TeX,
479 Mapping=tex-text,
480 Numbers=OldStyle]{TeX Gyre Pagella}
481 %\setmainfont[Scale=1.05]{Alegreya} % quite nice; superscripts not smaller
482 %\setmainfont{Libertinus Serif} % looks good; does math
483
484 % Sanskrit in Devanagari script:
485 \newfontfamily\sanskritfont[Script=Devanagari,
486 %Mapping=RomDev,
487 FakeStretch=1.08, % improves Sanskrit 2003
488 ]
489 % {Murty Sanskrit}
490 {Sanskrit 2003}
491 \let\dn\sanskritfont %for legacy Velthuis-encoded documents
492
493 % Sanskrit input in IAST
494 \newfontfamily\devanagarifont[Script=Devanagari,
495 Mapping=RomDev,
496 FakeStretch=1.08, % improves Sanskrit 2003
497 ]
498 % {Murty Sanskrit}
499 {Sanskrit 2003}
500 \newcommand{\dev}[1]{\{\devanagarifont#1\}}
501 %\newcommand{\dev}[1]{\textdevanagari{#1}}
502 \newcommand{\largesloka}[1]{\{\raggedright \devanagarifont\large #1\par\}}
503
504
```

```

505
506 %
507 % Chinese:
508 \newfontfamily\cjk[Script=CJK,Mapping=tex-text,Scale=MatchLowercase]
509 %{\IPAexMincho} % missing
510 %{\TakaoPGothic}
511 {\Yu Mincho}
512 %
513 % Greek
514 \newfontfamily\greekfont{Gentium Plus}[Script=Greek,
515     Mapping=tex-text,
516     Scale=MatchUppercase]
517
518 %{\Old Standard}
519 %{\GFS Porson}
520 %{\GFS Didot}
521 %{\Galatia SIL}
522 %{\Linux Libertine 0}

```

see <https://tex.stackexchange.com/questions/127222/fonts-for-polytonic-greek>

4.3 Local generic author-facing macros

```

523 \def\bce{\textsc{bce}} % I took out the final \xspace
524 % because it's behaviour is hard to predict - DW
525 \def\ce{\textsc{ce}} % ditto.
526 \let\BC\bce \let\BCE\bce \let\AD\ce \let\CE\ce

```

4.4 Math mode with Unicode fonts

```

527 \usepackage{unicode-math} % must load after amsmath; see manual ch. 3
528 %\setmathfont{texgyrepagella-math.otf} % doesn't have old style numerals.
529 \setmathfont{Asana Math}[Numbers=OldStyle]

```

4.5 Two-column footnote formatting

with help from <https://tex.stackexchange.com/questions/134937/split-latex-footnotes-into-two-columns>

```
530 \usepackage[nocritical,
531     noend,
532     %noeledsec,
533     %noledgroup,
534     series={A,B}]{reledmac}
535 \usepackage{setspace}
536 %\let\footnoteruleA=\relax % do we want a footnoterule?
537 \def\thempfootnote{\itshape\@alph\c@mpfootnote}} % from latex.ltx
538 \arrangementX[A]{twocol}
539 \colalignX{\relax } % looks better. But should we optimize narrow columns
540 %by going
541 %\raggedright?
542 \beforenotesX{2em plus 1.5em minus 1.5em} % spacing above notes
543 \renewcommand*{\normalfootfootmarkX}[1]{%
544     \@nameuse{@thefnmark#1}\hspace*{.5em}}
545 %
546 % \footnote is not going to be the standard LaTeX footnote.
547 % So store the standard version.\label{minipagerestore}
548 % \begin{macrocode}
549 \let\originalfootnote=\footnote % store this for use in minipages
550 \def\@minipagerestore{\let\footnote\originalfootnote} % restore standard LaTeX
551 %footnotes inside minipages
552 % Now change \footnote to the reledmac version:
553 \let\footnote=\footnoteA
554 %
555 %https://tex.stackexchange.com/questions/93763/eledmac-and-two-column-footnotes
556 \usepackage{microtype}
```

DW

5 Biblatex settings for HSSA

Don't need this at present:

```
557 % \usepackage[%  
558 % tools={manuscripts},  
559 % bibstyle={authoryear},  
560 % ]{biblatex-multiple-dm} % for biblatex-manuscripts-philology
```

5.1 Load Biblatex

```
561 \usepackage[%  
562 backend=biber,  
563 %bibstyle=multiple-dm, % for biblatex-manuscripts-philology  
564 %citestyle=authoryear-comp,  
565 %  
566 % now 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,  
  
see https://cikitsa.blogspot.co.at/2017/07/  
biblatex-citations-and-bibliography.html  
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 maxbibnames=10]{biblatex}
```

5.2 Settings for oxyear

```
592 \ExecuteBibliographyOptions[% for biblatex-oxyear  
593 book,  
594 mvbook,
```

```

595 mvcollection,
596 inbook,
597 incollection,
598 inreference,
599 collection,
600 reference,
601 mvreference]{useeditor=true,usetranslator=true}
602 \AtBeginDocument{\assignrefcontextentries[]{*}}

```

See <https://cikitsa.blogspot.co.at/2017/07/biblatex-citations-and-bibliography.html>

5.3 Bibliography sorting

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

```

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

```

5.4 Positioning of the notes

```

611 % to make bibtex notes print last, like addendums
612 % from
613 %\url{http://tex.stackexchange.com/questions/138913/how-to-move-the-field-note-at-the}
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 }
623 \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: `urlURL: #1` `doiDOI: #1`

5.6 URL formatting in the bibliography

```
624 % Buddhist Digital Resource Center:
625 \DeclareFieldFormat{eprint:tbrc}{%
626   \textsc{TBRC}\space
627   \ifhyperref
628     {\href{https://www.tbrc.org/\#!rid=#1}{\nolinkurl{#1}}}
629 {\nolinkurl{#1}}}
630 %
631
632 \DeclareFieldFormat{eprint:ark}{%
633 \textsc{ark:}\space
634 \ifhyperref
635 {\href{https://n2t.net/#1}{\nolinkurl{#1}}}
636 {\nolinkurl{#1}}}
637 %
638 \DeclareFieldFormat{eprint:archive}{%
639 Internet Archive\addcolon\space
640 \ifhyperref
641 {\href{http://archive.org/#1}{\nolinkurl{#1}}}
642 {\nolinkurl{#1}}}
643 \DeclareFieldAlias{eprint:archiveorg}{eprint:archive}
644
645 \DeclareFieldFormat{eprint:academia}{%
646 Academia.edu\addcolon\space
647 \ifhyperref
648 {\href{http://www.academia.edu/#1}{\nolinkurl{#1}}}
649 {\nolinkurl{#1}}}
650 \DeclareFieldAlias{eprint:academia.edu}{eprint:academia}
651
652 \DeclareFieldFormat{eprint:dli}{%
653 DLI\addcolon\space
654 \ifhyperref
655 {\href{http://www.dli.gov.in/cgi-bin/DBscripts/allmetainfo.cgi?barcode=#1/}{\nolinkurl{#1}}}
656 {\nolinkurl{#1}}}
657 \DeclareFieldAlias{eprint:DLI}{eprint:dli}
658 \DeclareFieldFormat{eprint:jstor}{%
659   \ifhyperref
660     {\href{http://www.jstor.org/stable/#1}{\small JSTOR}}
661     {\nolinkurl{#1}}}
662
663 \DeclareFieldFormat{eprint:jainlibrary}{%
664 Jain eLibrary\addcolon\space
665 \ifhyperref
666 {\href{http://www.jainlibrary.org/book.php?file=#1}{\nolinkurl{#1}}}
667 {\nolinkurl{#1}}}
668
669 \DeclareFieldFormat{doi}{%
670   \textsc{doi}\addcolon\space
671   \ifhyperref
```

```

672     {\href{https://doi.org/#1}{\nolinkurl{#1}}}
673     {\nolinkurl{#1}}}

```

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

```

674 \DeclareFieldFormat{postnote}{#1}
675 \renewcommand{\postnotedelim}{:\,}
676 \renewcommand{\nameyeardelim}{ }

```

5.8 “Forthcoming” hacks

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

```

677 \DeclareLabeldate{%
678     \field{date}
679     \field{year}
680     \field{pubstate}
681     \field{eventdate}
682     \field{origdate}
683     \field{urldate}
684     \literal{nodate}
685 }

```

5.9 Old code now not needed

Redefinition from bbx/standard.bbx to stop pubstate printing after an addendum

```

686 %\renewbibmacro*{addendum+pubstate}{%
687 %    \printfield{addendum}%
688 %    % \newunit\newblock
689 %    % \printfield{pubstate}
690 %}
691
692 %\url{https://tex.stackexchange.com/questions/384172/bibliography-entries-with-pubstate}
693 %\renewbibmacro*{date}{%
694 %    \ifbool{test}{\iffieldundef{year}} and not test {\iffieldundef{pubstate}} }%
695 %    {\printfield{pubstate}}%
696 %    {\printdate}}
697 %
698 %\renewbibmacro*{addendum+pubstate}{%
699 %    \printfield{addendum}%
700 %    \newunit\newblock
701 %    \iffieldundef{year}
702 %    {}
703 %    {\printfield{pubstate}}}
704
705 %%
706 %\url{https://tex.stackexchange.com/questions/61717/biblatex-strictly-identical-footnote}
707 %\renewbibmacro*{cite:ibid}{%
708 %    \printtext{%

```

```

709 %      \bibhyperlink{cite\csuse{cbx@lastcite@\thefield{entrykey}}}{%
710 %          \ifloccit
711 %              {\bibstring[\mkibid]{ibidem}%
712 %                  \global\toggletrue{cbx:loccit}}
713 %              {\bibstring[\mkibid]{idem\thefield{gender}}}}
714 %      }}}
715 %
716 %      \newbibmacro*{cite:ibid}{%
717 %          \printtext{%
718 %              \bibhyperlink{cite\csuse{cbx@lastcite@\thefield{entrykey}}}{%
719 %                  {\bibstring[\mkibid]{ibidem}}}%
720 %              \ifloccit
721 %                  {\global\toggletrue{cbx:loccit}}
722 %                  {}}
723 %
724 %\renewbibmacro*{cite:ibid}{%
725 %    \printtext[bibhyperref]{%
726 %        \ifloccit
727 %            {\bibstring[\mkibid]{ibidem}%
728 %                \global\booltrue{cbx:loccit}}
729 %            {\bibstring[\mkibid]{idem\thefield{gender}}}}}}
730
731 % from
732 %\url{https://tex.stackexchange.com/questions/194575/altering-date-format-in-referenc
733 %\DeclareFieldFormat{urldate}{%
734 %    \thefield{urlday}\adddot\addspace%
735 %    \mkbibmonth{\thefield{urlmonth}}\adddot\addspace%
736 %    \thefield{urlyear}\isdot}

```

5.10 Tighten up URL date

```

737 \DeclareFieldFormat{urldate}{%
738     (on
739     \thefield{urlday}\addspace%
740     \mkbibmonth{\thefield{urlmonth}}\addspace%
741     \thefield{urlyear})\isdot}

```

5.11 More unused code

```

742
743 %\usepackage{xurl} % get better formatting; no, leave it to biblatex

```

5.12 Hyperlink magic

Some magic from “moewe” at

<https://tex.stackexchange.com/questions/442749/biblatex-have-hyperref-links-point-to-the-shorthand-list>
that makes hyperlinks work from citations to a list of abbreviations.

```

744 \DeclareFieldFormat{shorthandwidth}{%
745     \bibhypertarget{shorthand:\thefield{entrykey}}

```

```
746     {#1}}
747
748 \DeclareFieldFormat{bibhyperref}{%
749     \iffieldundef{shorthand}
750     {\bibhyperref{#1}}
751     {\bibhyperlink{shorthand:\thefield{entrykey}}{#1}}}
```

6 Indexing for HSSA

Formerly used xindy; now updated to use xindex

```
752 \usepackage[imakeidx]{xindex}
753 % \PassOptionsToPackage{nonewpage}{imakeidx}
754 %
755 \indexsetup{level=\section*,
756     noclearpage,
757     firstpagestyle=fancy
758 }
759 %
760 \makeindex[name=lexical,
761 title=Lexical Index,
762 columns=3,
763 options= --config iast --no_casesensitive --noheadings, % nocasesensitive,
764 %noheadings
765 ]
766 %
767 \makeindex[name=manuscripts,
768 title=Index of Manuscripts,
769 options= --config iast --no_casesensitive --noheadings,
770 columns=1]
771
772 % before the \printindex command say
773 % "\indexprologue{References are to page numbers.}"
774
775
776 % Command for English words to be followed by Sanskrit in parentheses, and
777 % both to be sent to the lexical index.
778 \newcommand{\saneng}[2]
779 % #1 = Sanskrit
780 % #2 = English
781 {#2 (\sansk{#1})%
782     \index[lexical]{#2!#1@\emph{#1}}%
783     \index[lexical]{#1@\emph{#1}!#2}}
784
785 \providecommand{\ssaneng}[2]% silent index entry
786 % #1 = Sanskrit
787 % #2 = English
788 {\index[lexical]{#2!#1@\emph{#1}}%
789     \index[lexical]{#1@\emph{#1}!#2}}
790
791 \renewcommand\idxitem{\par\hangindent 15\p@ }% from sanmed.sty
792
793 % commands for citing and indexing manuscripts:
794 \newcommand{MS}[1]{MS #1\index[manuscripts]{#1}}
795 \let\MScite=MS
796 \newcommand{MScite}[1]{\index[manuscripts]{#1}}
797 \let\MSnocite=MScite
```

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.

Symbols	<code>\@minipagefalse</code> . 345	<code>\Author</code> 455
<code>\@DOI</code> . 111, 112, 394, 395, 397, 400, 451	<code>\@minus</code> 54, 55, 58, 59, 62, 413,	<code>\author</code> <u>78</u>
<code>\@HSSAarticletitle</code> 77, 86, 205, 377, 406, 445	414, 417, 418, 422	B
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