

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

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Contents

1	Documentation for authors using L^AT_EX	4
2	Documentation for L^AT_EX hackers converting incoming files to HSSA	5
2.1	Prelims	5
2.1.1	Metadata	5
2.2	HSSA user macros	5
2.2.1	AD, BC, etc.	6
2.2.2	Environments for ślokas and mini-editions	6
2.2.3	Citing manuscripts	6
2.2.4	Making a lexical index	7
2.2.5	Language-switching	7
2.2.6	Citation commands	7
2.2.7	Bibliography and index outputs	7
2.2.8	Miscellaneous	8
2.2.9	Rotating pages for big tables and figures	8
2.3	Standard L ^A T _E X sectioning and similar commands	9
2.4	What you get for nothing	9
3	Macros in the class file for the HSSA journal: hssa.cls	10
3.1	Set the geometry for the pages	11
3.2	Front matter	12
3.3	Running headers and footers	12
3.4	Fancy headers and footers	13

3.5	Fancy-plus-DOI style	13
3.6	Link colours	14
3.7	Output the preliminary matter	14
3.8	Output the final pages that come after the article	15
3.9	Arrange the appendix	15
3.10	Set up the alignment and fonts of title and author names	15
3.11	The content of the cover page	16
3.12	The the content of the copyright page	17
3.13	The content of the back cover page	19
3.14	Tweak captions → footnotesize	20
3.15	Page layout dimensions	20
3.16	Misc layout settings	20
3.17	Journal-specific user-facing macros	21
3.18	Customizing the sectioning commands	22
3.19	Collecting the page-number information	22
3.20	Creative Commons logo	22
3.21	Tweak tabular layout	22
3.22	Not used	23
3.23	PDF metadata	23
3.24	Hypertext links	23
3.25	Simple indented, environment for Sanskrit verses	24
3.26	Diatop	24
3.26.1	Unknown	25
3.27	Mini edition environment	25
3.28	Index of Manuscripts	25
4	Style file for HSSA journal: hssa.sty	26
4.1	Load basic macros for reledmac (footnote cols)	26
4.2	Set up the langages and fonts, Polyglossia-style	26
4.2.1	British English, Greek, Sanskrit	26
4.2.2	T _E X Gyre Pagella, the default roman font for HSSA	26
4.2.3	Sanskrit input in Devanagari script	26
4.2.4	Sanskrit input in IAST script, output in Devanagari	26
4.2.5	Chinese	27
4.2.6	Greek font	27
4.3	Local generic author-facing macros	27
4.4	Math mode with Unicode fonts	27
4.5	Two-column footnote formatting	28

5	Biblatex settings for HSSA	29
5.1	Load Biblatex	29
5.2	Settings for oxyear	30
5.3	Bibliography sorting	30
5.4	Positioning of the notes	30
5.5	Unused code	31
5.6	URL formatting in the bibliography	31
5.6.1	Buddhist Digital Resource Center	31
5.6.2	ARK	31
5.6.3	Archive.org	31
5.6.4	Academia.edu	31
5.6.5	Digital Library of India	31
5.6.6	JSTOR	32
5.6.7	Jainelibrary	32
5.6.8	DOI	32
5.7	Tweaks to make the citation form:- Author date: page	32
5.8	"Forthcoming" hacks	32
5.9	Tighten up URL date	33
5.10	Hyperlink magic	33
6	Indexing for HSSA	34
6.1	English-Sanskrit indexes	34
7	Commands for citing and indexing manuscripts	35
	Index of macro definitions	36

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 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`.

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, 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

`\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 \LaTeX , 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."

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   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` To control the spacing around itemized lists.

```
27 \usepackage{enumitem} % supersedes mdwlist: does it globally
28 \setlist{noitemsep,
29   %labelindent=\parindent,
30   %leftmargin=*,
31 }
```

`\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.

```
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` 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.

```
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 ?
```

3.1 Set the geometry for the pages

`geometry` Set the geometry for the pages DW

```
49 \geometry{twoside,
50   paperwidth=210mm,
51   paperheight=297mm,
52   textheight=562pt,
```

```

53 textwidth=384pt,
54 centering,
55 headheight=30pt,
56 headsep=18pt,
57 footskip= 42pt, %24pt,
58 footnotesep=24pt plus 2pt minus 12pt,
59 }

```

3.2 Front matter

```

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

\title
    60\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.
    61\author{\@HSSAauthorname\\ [1ex]
    62    \parbox{\textwidth}{\small\centering\emph{\@HSSAauthoraddress}}
    63}

\date No date.
    64\date{\relax }

```

3.3 Running headers and footers

```

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

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

\HSSAverso Variable that collects 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}
```

3.4 Fancy headers and footers

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}
```

3.5 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[R0]{\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 }

```

3.6 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.

```

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

```

3.7 Output the preliminary matter

```

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

```

3.8 Output the final pages that come after the article

```
\AtEndDocument
127 \AtEndDocument{%
128     \newpage
129     \coverlastpage
130 }
```

3.9 Arrange the appendix

```
Appendix
131 % Consider using \RequirePackage[title]{appendix}
132 %
133 \def\appendixname{Appendix}
134 \renewcommand\appendix{\par
135     \setcounter{section}{0}%
136     \setcounter{subsection}{0}%
137     \setcounter{equation}{0}
138     \addtocontents{toc}{\string\let\string\numberline\string\tmptocnumberline}{}}
139 }
```

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

```
140 \def\LastPage#1{\gdef\@LastPage{#1}}
141 \LastPage{100}
```

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

```
\aufont
\titlefont 142 \def\titlealign#1{\gdef\@titlealign{#1}}
\footerfont 143 \let\@titlealign\centering
\footeraddress 144 \def\align#1{\gdef\@align{#1}}
145 \let\@align\centering
146 \def\titlefont#1{\gdef\@titlefont{#1}}
147 \def\aufont#1{\gdef\@aufont{#1}}
148 \def\@titlefont{\fontsize{20}{24}}
149 \def\@aufont{\fontsize{10}{12}}
150 %
151 % Footer font
152 %
153 \def\footerfont#1{\gdef\@footerfont{#1}}
154 \footerfont{\fontsize{7}{8}}
155 %
156 % Footer address
```

```

157 %
158 \def\footeraddress#1{\gdef\@footeraddress{#1}}
159 \let\@footeraddress\@empty

```

3.11 The content of the cover page

\coverpage

```

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

```



```

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

```

3.12 The the content of the copyright page

\copyrightspage

```

214 \long\def\copyrightspage{%
215     \begingroup
216     \pagecolor{white}
217     \normalcolor
218     \thispagestyle{empty}
219     \footnotesize
220     \begin{minipage}[t][.98\textheight][t]{\linewidth}
221         {\addfontfeature{LetterSpace=8}\bfseries
222             HISTORY OF SCIENCE IN SOUTH ASIA}\
223             A journal for the history of all forms of scientific thought and action,
224             ancient and modern, in all regions of South Asia, published online
225             at \href{http://hssa-journal.org}{http://hssa-journal.org}
226
227         \vfill
228
229         ISSN 2369-775X
230
231         \vfill
232
233         \textit{Editorial Board:}\
234         \begin{itemize}
235             \leftmargini=1em
236             \item Dominik Wujastyk, University of Alberta, Edmonton, Canada

```

237 \item Kim Plofker, Union College, Schenectady, United States
 238 % \item Dhruv Raina, Jawaharlal Nehru University, New Delhi, India
 239 \item Clemency Montelle, University of Canterbury,
 240 Christchurch, New Zealand
 241 \item Fabrizio Speziale, School of Advanced Studies in the
 242 Social Sciences (EHSS), Paris, France
 243 \item Michio Yano, Kyoto Sangyo University, Kyoto, Japan
 244 \item Gudrun Bühnemann, University of Wisconsin-Madison, USA
 245 \item Anuj Misra, University of Copenhagen, Denmark
 246 \item Aditya Kolachana, Indian Institute of Technology, Madras, India
 247 \item Dagmar Wujastyk, University of Alberta, Edmonton, Canada
 248 \end{itemize}
 249
 250 \medskip
 251
 252 \textit{Publisher:}\[4pt]
 253 History of Science in South Asia
 254
 255 \medskip
 256
 257 \textit{Principal Contact:}\[4pt]
 258 Dominik Wujastyk, Editor, University of Alberta\
 259 Email: \$\langle\$wujastyk@ualberta.ca\$\rangle\$
 260
 261 \medskip
 262
 263 \textit{Mailing Address:}\[4pt]
 264 History of Science in South Asia,\
 265 Department of History, Classics and Religion,\
 266 2--81 HM Tory Building,\
 267 University of Alberta,\
 268 Edmonton, AB, T6G 2H4\
 269 Canada
 270
 271 \medskip
 272
 273 This journal provides immediate open access to its content on the
 274 principle that making research freely available to the public supports
 275 a greater global exchange of knowledge.
 276
 277 \medskip
 278
 279 Copyrights of all the articles rest with the respective authors and
 280 published under the provisions of
 281 \href{http://www.creativecommons.org/licenses/by-sa/4.0/}{Creative Commons

```

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

```

3.13 The content of the back cover page

\coverlastpage

```

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

```

```

322         Edmonton, AB, T6G 2H4,
323         Canada.}%
324     \vspace*{-20pt}
325 }

```

3.14 Tweak captions → footnotesize

\@makecaption

```

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

```

3.15 Page layout dimensions

DW can this be superseded by the geometry package?

pagelayout

```

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

```

3.16 Misc layout settings

```

348 \lefthyphenmin=3
349 \righthyphenmin=3
350 %\RequirePackage[hang]{footmisc}
351 %\setlength\footnotemargin{.8em}
352

```

```

353 %\geometry{footskip=42pt}
354
355 \RequirePackage{lettrine}
356 \RequirePackage[normalem]{ulem}

```

3.17 Journal-specific user-facing macros

`HSSASpecialissuedetails` Only for for guest-edited single-theme issues.

```

357 \def\HSSASpecialissuedetails#1{\gdef\@HSSASpecialissuedetails{#1}}
358 \HSSASpecialissuedetails{\empty }

```

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

```

359 \def\HSSAissuenum#1{\gdef\@HSSAissuenum{#1}}
360 \HSSAissuenum{999}

```

`\HSSAarticletitle` Provide user command `\HSSAarticletitle`

```

361 \def\HSSAarticletitle#1{\gdef\@HSSAarticletitle{#1}\hypersetup{pdftitle=#1}}
362 \HSSAarticletitle{My Life}

```

Provide user command `\HSSAauthorname`

```

363 \def\HSSAauthorname#1{\gdef\@HSSAauthorname{#1}\hypersetup{pdfauthor=#1}}
364 \HSSAauthorname{Joe Bloggs}

```

Provide user command `\HSSAissuedate`

```

365 \def\HSSAissuedate#1{\gdef\@HSSAissuedate{#1}}
366 \HSSAissuedate{1900}

```

Provide user command `\HSSAauthoraddress`

```

367 \def\HSSAauthoraddress#1{\gdef\@HSSAauthoraddress{#1}}
368 \HSSAauthoraddress{Timbuktu}

```

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

```

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

```

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

```

377 \def\covercitation#1{\gdef\thecovercitation{#1}}
378 %
379 \covercitation{\@HSSAauthorname. "\@HSSAarticletitle."
380 \emph{\@HSSAtitle}, \@HSSAissuenum\ (\@HSSAissuedate):
381 \thefirstpage--\thelastpage. \printDOI }
382 %/DW

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

```

3.18 Customizing the sectioning commands

\section

```

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

```

3.19 Collecting the page-number information

```

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

```

3.20 Creative Commons logo

```

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

```

3.21 Tweak tabular layout

```

406 \newcommand\arraybslash{\let\\\@arraycr}
407 \setlength\tabcolsep{1mm}
408 \renewcommand\arraystretch{1.3}

```

```
409 \RequirePackage{xltextra}
410 \emergencystretch=.1\columnwidth
```

3.22 Not used

Legacy code to be thought about and probably weeded out.

```
411 %\HSSAJournalAbbrev{Hist.~Sci.~South Asia}
412 \definecolor{bg}{HTML}{600000}
413 \colorlet{pagecolor}{bg}
414 \colorlet{urlcolor}{black!50}
415 \colorlet{endurlcolor}{pagecolor!30}
416 \colorlet{linkcolor}{black!50}
417 \colorlet{endscriptcolor}{pagecolor!20}
```

3.23 PDF metadata

Commented out because it interferes with other stuff.

```
418 % \pdfstringdef{\@temppdftitle}{\@HSSAarticletitle}
419 % \pdfstringdef{\@temppdfauthor}{\@HSSAauthorname}
420 % \pdfinfo{%
421 %     % copying out title because of macro expansion problems
422 %     /Title (\@temppdftitle)
423 %     /Author (\@temppdfauthor)
424 %     /Keywords (DOI: https://doi.org/\@DOI)
425 % }
426 %}
```

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

```
427 %\usepackage[a-1b]{pdfx} % get an archival PDF
428 % optionally, create a file \jobname.xmpdata with \Author{} \Title{} \Copyright{}
429 % \CopyrightURL{} \Keywords{}
```

3.24 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.

```
430 \hypersetup{colorlinks=true,
431     bookmarksopen=false,
432     pdfpagescrop={39 62 554 759},
433     % now hyperxmp settings:
434 %     pdfauthor={\@HSSAauthorname},
```

```

435 %   pdftitle={\@HSSAarticletitle},
436   pdfcopyright={\copyright\ The Author},
437 %   pdfdoi={\@DOI },
438 %   pdfurl={https://doi.org/\@DOI},
439   pdfissn={2369-775X},
440   pdflicenseurl={https://creativecommons.org/licenses/by-sa/4.0/},
441   pdfpublication={History of Science in South Asia},
442   pdfcaptionwriter={Dominik Wujastyk},
443   pdfurl={https://journals.library.ualberta.ca/hssa/},
444   pdfpublisher={University of Alberta Library},
445   pdfpubtype={journal},
446   pdfpubstatus={VoR}, % Version of Record
447 }

```

3.25 Simple indented, environment for Sanskrit verses

```

\beginsloka
448 %\newenvironment{sloka}
449 % {\list{}{\rightmargin\leftmargin}%
450 %   \item\relax}
451 %{\endlist}
452 %
453 \newenvironment{sloka} % tweaked from verse
454 {\let\\\@centercr
455   \parindent 1em
456   \leavevmode \hskip-.03em
457   %   \rightmargin \leftmargin
458   %   \advance \leftmargin 10em
459   %   \advance\leftskip 2em
460   %   \advance\rightskip 2em
461   %\narrower
462 }
463 {\relax }

```

3.26 Diatop

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

```

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

```


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

3.26.1 Unknown

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

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

3.27 Mini edition environment

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

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

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`.

3.28 Index of Manuscripts

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

```
481 \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)

```
482 \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

```
483 \setdefaultlanguage[variant=british]{english}
484 %\setotherlanguage{japanese} % still experimental in Polyglossia
485 \setotherlanguage{greek}
486 \setotherlanguage{sanskrit}
```

4.2.2 T_EX Gyre Pagella, the default roman font for HSSA

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

4.2.3 Sanskrit input in Devanagari script

```
492 \newfontfamily\sanskritfont[Script=Devanagari,
493 %Mapping=RomDev,
494 FakeStretch=1.08, % improves Sanskrit 2003
495 ]
496 {Sanskrit 2003}
497 % {Murty Sanskrit}
498 \let\dn\sanskritfont %for legacy Velthuis-encoded documents
```

4.2.4 Sanskrit input in IAST script, output in Devanagari

```
499 % Sanskrit input in IAST
500 \newfontfamily\devanagarifont[Script=Devanagari,
501 Mapping=RomDev,
502 FakeStretch=1.08, % improves Sanskrit 2003
```

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

```

503 ]
504 % {Murty Sanskrit}
505 {Sanskrit 2003}
506 \newcommand{\dev}[1]{\devanagarifont#1}
507 %\newcommand{\dev}[1]{\textdevanagari{#1}}
508 \newcommand{\largesloka}[1]{\raggedright \devanagarifont\large #1\par}}

```

4.2.5 Chinese

```

509 \newfontfamily\cjk[Script=CJK,Mapping=tex-text,Scale=MatchLowercase]
510 % {IPAexMincho} % missing
511 % {TakaoPGothic}
512 {Yu Mincho}
513 %

```

4.2.6 Greek font

```

514 % Greek
515 \newfontfamily\greekfont{Gentium Plus}[Script=Greek,
516     Mapping=tex-text,
517     Scale=MatchUppercase]
518 %
519 % {Old Standard}
520 % {GFS Porson}
521 % {GFS Didot}
522 % {Galatia SIL}
523 % {Linux Libertine O}

```

See [Stackexchange about Greek fonts](#).

4.3 Local generic author-facing macros

```

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

```

4.4 Math mode with Unicode fonts

```

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

```

4.5 Two-column footnote formatting

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

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

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

[Stackexchange help](#).

```
549 \usepackage{microtype}
```

5 Biblatex settings for HSSA

Don't need this at present:

```
550 % \usepackage[%  
551 % tools={manuscripts},  
552 % bibstyle={authoryear},  
553 % ]{biblatex-multiple-dm} % for biblatex-manuscripts-philology
```

5.1 Load Biblatex

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

(on ynt, see [Cikitsā blog post](#).)

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

5.2 Settings for oyear

```
585 \ExecuteBibliographyOptions[% for biblatex-oyear
586 book,
587 mvbook,
588 mvcollection,
589 inbook,
590 incollection,
591 inreference,
592 collection,
593 reference,
594 mvreference]{useeditor=true,usetranslator=true}

595 \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`

`\printbibliography` (from biblatex.sty):

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

5.4 Positioning of the notes

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

```
605 \DeclareSourceMap{
606   \maps[datatype=bibtex]{
607     \map{
608       \step[fieldsource=note, final]
609       \step[fieldset=addendum, origfieldval, final]
610       \step[fieldset=note, null]
611     }
612   }
613 }

614 \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:

```
615 %\DeclareFieldFormat{url}{\textsc{url:} {\small \href{#1}{\nolinkurl{#1}}}}
616 %\DeclareFieldFormat{doi}{\textsc{doi:} {\small \href{#1}{\nolinkurl{#1}}}}
```

5.6 URL formatting in the bibliography

5.6.1 Buddhist Digital Resource Center

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

5.6.2 ARK

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

5.6.3 Archive.org

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

5.6.4 Academia.edu

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

5.6.5 Digital Library of India

```
639 \DeclareFieldFormat{eprint:dli}{%
640   DLI\addcolon\space
```

```

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

```

5.6.6 JSTOR

```

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

```

5.6.7 Jainelibrary

```

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

```

5.6.8 DOI

```

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

```

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

```

659 \DeclareFieldFormat{postnote}{#1}
660 \renewcommand{\postnotedelim}{:\,}
661 \renewcommand{\nameyeardelim}{\ }

```

5.8 “Forthcoming” hacks

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

```

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

```


5.9 Tighten up URL date

```
671 \DeclareFieldFormat{urldate}{%  
672     (on  
673     \thefield{urlday}\addspace%  
674     \mkbibmonth{\thefield{urlmonth}}\addspace%  
675     \thefield{urlyear})\isdot}
```

5.10 Hyperlink magic

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

```
676 \DeclareFieldFormat{shorthandwidth}{%  
677     \bibhypertarget{shorthand:\thefield{entrykey}}  
678     {#1}}  
679  
680 \DeclareFieldFormat{bibhyperref}{%  
681     \iffieldundef{shorthand}  
682     {\bibhyperref{#1}}  
683     {\bibhyperlink{shorthand:\thefield{entrykey}}{#1}}}
```

TeX stops reading here.

6 Indexing for HSSA

Formerly used xindy; now updated to use xindex

```
684 \usepackage[imakeidx]{xindex}
685 % \PassOptionsToPackage{nonewpage}{imakeidx}
686 %
687 \indexsetup{level=\section*,
688     noclearpage,
689     firstpagestyle=fancy
690 }
691 %
692 \makeindex[name=lexical,
693 title=Lexical Index,
694 columns=3,
695 options= --config iast --no_casesensitive --noheadings, % nocasesensitive,
696 %noheadings
697 ]
698 %
699 \makeindex[name=manuscripts,
700 title=Index of Manuscripts,
701 options= --config iast --no_casesensitive --noheadings,
702 columns=1]
703 %
```

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
704 \newcommand{\saneng}[2]
705 % #1 = Sanskrit
706 % #2 = English
707 {#2 (\sansk{#1})%
708     \index[lexical]{#2!#1@\emph{#1}}%
709     \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.

```
710 \providecommand{\ssaneng}[2]{% silent index entry
711 % #1 = Sanskrit
```

```

712 % #2 = English
713 {\index[lexical]{#2!#1@\emph{#1}}}%
714 \index[lexical]{#1@\emph{#1}!#2}}

```

Tidy up the index spacing:

```

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

```

7 Commands for citing and indexing manuscripts

\MS

```

716 \newcommand{\MS}[1]{MS #1\index[manuscripts]{#1}}
717 \let\MScite=\MS

```

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

```

718 \newcommand{\MSsilent}[1]{\index[manuscripts]{#1}}
719 \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.

Symbols		
\# 620	\@empty ... 70, 71, 159	\addcolon 628,
\, 660	\@filecolor 119	634, 640, 650, 655
\@DOI 98,	\@footeraddress ..	\addfontfeature ..
369, 370, 372,	..... 158, 159	. 75, 221, 316, 383
375, 424, 437, 438	\@footerfont 153	\addspace ... 673, 674
\@HSSAarticletitle	\@idxitem 715	\addtocontents .. 138
... 60, 72, 190,	\@ifnextchar 601	\addtolength 472
361, 379, 418, 435	\@ifpackageloaded 115	\advance
\@HSSAauthoraddress	\@linkcolor 116	458, 459, 460, 466
..... 62, 196, 367	\@makecaption ... 326	\Appendix 131
\@HSSAauthorname .	\@menucolor 121	\appendix 134
... 61, 74, 193,	\@minipagefalse . 334	\appendixname ... 133
363, 379, 419, 434	\@minipagerestore 546	\arrangementX ... 539
\@HSSAfooter 66, 86, 99	\@minus 386,	\arraybslash 406
\@HSSAheaderfooterfont	387, 390, 391, 395	\arraystretch ... 408
..... 75,	\@nameuse 544	\assignrefcontextentries
81, 82, 83, 84,	\@pagecolor 122	..... 595
86, 93, 94, 97, 99	\@plus 386,	\AtBeginDocument .
\@HSSAissuedate ..	387, 390, 391, 395	..... 106, 595
..... 77, 365, 380	\@startsection ...	\AtEndDocument .. 127
\@HSSAissuenum ...	.... 385, 389, 394	\aalign 144
..... 76, 359, 380	\@tempboxa 330, 331, 335	\aufont 142
\@HSSArecto	\@temppdfauthor ..	\Author 428
.... 69, 71, 81, 93	..... 419, 423	\author 61
\@HSSAspecialissuedetails	\@temppdftitle 418, 422	
..... 182, 357	\@titlealign . 142, 143	B
\@HSSAtitle 67, 76, 380	\@titlefont . 146, 148	\baselineskip ... 194
\@HSSAverso	\@urlcolor 120, 207, 374	\BC 527
.... 68, 70, 82, 94	\\ . 61, 97, 206, 222,	\BCE 524
\@LastPage 140	233, 252, 257,	\bce 524
\@alph 538	258, 263, 264,	\beforenotesX ... 542
\@anchorcolor ... 117	265, 266, 267,	\begin 167,
\@arraycr 406	268, 315, 406, 454	179, 187, 203,
\@aalign ... 144, 145	_ ... 76, 319, 380, 436	220, 234, 473, 474
\@aufont 147, 149		\begingroup
\@centercr 454	A	.... 162, 215, 598
\@citecolor 118	\abovecaptionskip 328	\begin{sloka} ... 448
	\AD 527	\belowcaptionskip 337

<code>\bfseries</code>	221	627, 633, 639,	F
<code>\bibhyperlink</code> . . .	683	645, 649, 654,	<code>\fancyfoot</code> . . . 85,
<code>\bibhyperref</code>	682	659, 671, 676, 680	86, 87, 97, 99, 100
<code>\bibhypertarget</code> .	677	<code>\DeclareLabeldate</code> 662	<code>\fancyhead</code> . 80, 81,
<code>\blx@printbibliography</code>		<code>\DeclareSourcemap</code> 605	82, 83, 84, 91,
.	602, 603	<code>\def</code> . . 40, 42, 65, 68,	92, 93, 94, 95, 96
<code>\bottomfraction</code> . .		69, 75, 116, 117,	<code>\fancypage</code> 90
.	339, 345	118, 119, 120,	<code>\fancypagestyle</code> . . 90
<code>\box</code>	335, 468	121, 122, 133,	<code>\fi</code> 336, 375, 465
		140, 142, 144,	<code>\field</code> . . . 663, 664,
C		146, 147, 148,	665, 666, 667, 668
<code>\c@mpfootnote</code> . . .	538	149, 153, 158,	<code>\floatpagefraction</code>
<code>\cclogobox</code> 97, 403, 404		160, 207, 214,	. . . . . 341, 347
<code>\CE</code>	524	302, 327, 357,	<code>\fontsize</code>
<code>\ce</code>	524	359, 361, 363,	148, 149, 154, 171
<code>\centering</code>		365, 367, 369,	<code>\footeraddress</code> . . 142
. . 62, 143, 145,		374, 377, 383,	<code>\footerfont</code> 142
388, 392, 393, 397		398, 399, 464,	<code>\footins</code> 47
<code>\CJK</code>	509	524, 526, 538, 546	<code>\footnote</code> . . . 476, 545
<code>\colalignX</code>	540	<code>\definecolor</code> . 104, 412	<code>\footnoteA</code> 548
<code>\color</code> 165, 309, 314, 318		<code>\delimcontext</code> . . . 599	<code>\footnotemargin</code> . 351
<code>\colorlet</code> 310, 413,		<code>\dev</code> 506, 507	<code>\footnoterule</code> . . . 475
414, 415, 416, 417		<code>\devanagarifont</code> . .	<code>\footnoteruleA</code> . . 537
<code>\columnwidth</code>	410	. . . . 500, 506, 508	<code>\footnotesize</code> . 173,
<code>\copy</code>	97	<code>\diatop</code> 464	205, 219, 329, 392
<code>\Copyright</code>	428	<code>\dimen</code> 465,	<code>\footnotetext</code> 43
<code>\copyright</code>	436	466, 467, 468, 469	<code>\footrulewidth</code> 89, 102
<code>\copyrightpage</code> . .	301	<code>\dn</code> 498	<code>\fspace</code> 383, 388, 392, 393
<code>\copyrightspage</code> . .		<code>\DOI</code> 369, 371	
.	108, 214		G
<code>\CopyrightURL</code> . . .	429	E	<code>\gdef</code> 66,
<code>\covercitation</code> . .	377	<code>\edef</code> 600	68, 69, 140, 142,
<code>\coverlastpage</code> 129, 302		<code>\else</code> 333, 373, 465	144, 146, 147,
<code>\coverpage</code> . . 107, 160		<code>\emergencystretch</code> 410	153, 158, 357,
		<code>\emph</code> . . 62, 196, 380,	359, 361, 363,
D		708, 709, 713, 714	365, 367, 369,
<code>\date</code>	64	<code>\empty</code> . . . 358, 370, 372	370, 377, 398, 399
<code>\dblfloatpagefraction</code>		<code>\end</code> 176,	<code>\geometry</code> . 49, 49, 353
.	343	183, 198, 209,	<code>\global</code> 334, 404
<code>\dbltopfraction</code> .	342	248, 296, 478, 479	<code>\greekfont</code> 515
<code>\DeclareFieldAlias</code>		<code>\endgroup</code> . . . 210, 297	
. . . . 632, 638, 644		<code>\endlist</code> 451	H
<code>\DeclareFieldFormat</code>		<code>\enumitem</code> 27	<code>\hangfootnotes</code> . . . 43
.	615,	<code>\ExecuteBibliographyOptions</code> 585	<code>\hangindent</code> 715
616, 617, 622,			<code>\hb@xt@</code> 335

<code>\hbox</code> 404, 464, 467, 469	<code>\index</code> ... 708, 709,	M
<code>\headrulewidth</code> 88, 101	713, 714, 716, 718	<code>\makeindex</code> .. 692, 699
<code>\hfil</code> 335	<code>\indexsetup</code> 687	<code>\MakeLowercase</code> .. 393
<code>\href</code> .. 98, 208, 225,	<code>\input</code> 125	<code>\MakeTextLowercase</code>
281, 287, 289,	<code>\isdot</code> 675	.... 19, 76, 81, 82
290, 292, 294,	<code>\item</code> 236,	<code>\maketitle</code> 111
313, 317, 375,	237, 238, 239,	<code>\MakeUppercase</code> 388, 392
615, 616, 620,	241, 243, 244,	<code>\map</code> 607
625, 630, 636,	245, 246, 247, 450	<code>\maps</code> 606
642, 647, 652, 657	<code>\itshape</code> . 173, 397, 538	<code>\marginparwidth</code> .. 32
<code>\hsize</code> 331, 335	J	<code>\mbox</code> 306
<code>\hskip</code> 456	<code>\jobname</code> 428	<code>\medskip</code>
<code>\hspace</code> 43, 166, 202, 544	K	. 172, 250, 255,
<code>\hss</code> 467, 469	<code>\Keywords</code> 429	261, 271, 277, 284
<code>\HSSAarticletitle</code> 361	L	<code>\miniedition</code> 471
<code>\HSSAauthoraddress</code>	<code>\langle</code> 259, 314	<code>\mkbibmonth</code> 674
..... 367, 368	<code>\LARGE</code> 60, 181, 189	<code>\MS</code> 716
<code>\HSSAauthorname</code> ..	<code>\large</code> ... 192, 393, 508	<code>\MScite</code> 481, 717
..... 363, 364	<code>\largesloka</code> 508	<code>\MSnocite</code> 719
<code>\HSSAfirstpage</code> 398, 401	<code>\LastPage</code> 140	<code>\MSsilent</code> ... 718, 719
<code>\HSSAfooter</code> ... 65, 76	<code>\LastPage</code> ... 140, 141	N
<code>\HSSAissuedate</code> 365, 366	<code>\LaTeX</code> 287	<code>\nameyear delim</code> .. 661
<code>\HSSAissuenum</code> ... 359	<code>\leavevmode</code> . 456, 464	<code>\narrower</code> 461
<code>\HSSAjournalAbbrev</code> 411	<code>\lefthyphenmin</code> .. 348	<code>\NeedsTeXFormat</code> ... 1
<code>\HSSAlastpage</code> 399, 402	<code>\leftmargin</code>	<code>\newbox</code> 403
<code>\HSSArecto</code> 69, 74	.... 449, 457, 458	<code>\newcommand</code>
<code>\HSSAshorttitle</code> .. 73	<code>\leftmargini</code> 235	41, 67, 372, 406,
<code>\HSSAspecialissuedetails</code>	<code>\leftskip</code> 459	470, 506, 507,
..... 357	<code>\let</code> 70, 71, 73,	508, 704, 716, 718
<code>\HSSAverso</code> . 68, 72, 73	138, 143, 145,	<code>\newenvironment</code> ..
<code>\ht</code> 466	159, 406, 454,	.... 448, 453, 471
<code>\hypersetup</code>	475, 476, 498,	<code>\newfontfamily</code> ...
.... 361, 363, 430	527, 537, 545,	492, 500, 509, 515
I	546, 548, 717, 719	<code>\newpage</code> . 128, 212, 302
<code>\ifdim</code> 331, 465	<code>\lettergroup</code> 470	<code>\newrefcontext</code> .. 597
<code>\iffieldundef</code> ... 681	<code>\linewidth</code> ... 166,	<code>\newtoks</code> 371
<code>\ifhyperref</code>	167, 179, 187,	<code>\nolinkurl</code> ... 615,
. 619, 624, 629,	202, 203, 204, 220	616, 620, 621,
635, 641, 646, 656	<code>\list</code> 449	625, 626, 630,
<code>\ifhyperrefsloka</code> 651	<code>\literal</code> 669	631, 636, 637,
<code>\ifx</code> 372	<code>\LoadClass</code> 2	642, 643, 648,
<code>\includegraphics</code> .	<code>\long</code> 160, 214, 302, 327	652, 653, 657, 658
..... 169, 405		<code>\normalcolor</code> . 217, 300

<code>\titlealign</code>	142	481, 482, 528,	W
<code>\titlefont</code>	142	531, 536, 549,	<code>\wd</code> 331, 465
<code>\tmptocnumberline</code>	138	550, 554, 614, 684	
<code>\todo</code>	40		X
<code>\topfraction</code> .	338, 344	V	<code>\xcolor</code> 22
<code>\toprule</code>	18	<code>\verb</code> 541, 547	<code>\XeTeX</code> 289
		<code>\vfill</code> . . . 178, 185,	<code>\xspace</code> 524
		200, 227, 231, 307	
U		<code>\vskip</code> . . . 170, 328, 337	
<code>\usepackage</code> . .	27,	<code>\vspace</code> . . 168, 191,	Z
33, 78, 104, 427,		194, 197, 211, 324	<code>\z@</code> 385, 389, 394