LaTeX class and style files for papers published in the journal HSSA

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1 Documentation for authors using LaTeX

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

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

The above advice is also given on the HSSA website,
https://journals.library.ualberta.ca/hssa/index.php/hssa/latex-users.

2 Documentation for LaTeX hackers converting incoming files to HSSA

2.1 Prelims

Start off each HSSA article LaTeX 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 LaTeX.

2.2.1 AD, BC, etc.

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

```
\bce
\BC
\BCE
%
\ce
```

`\CE`
`\AD`

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

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

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, $\alpha$999}` will print "MS London, Wellcome α 999 in your text.

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

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

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

2.2.4 Making a lexical index

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

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

2.2.5 Language-switching

`\textgreek` These macros switch to the respective languages and scripts (Devanagari
`\textenglish` for `\textsanskrit{}`).

`\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 BibLaTeX 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 BibLaTeX'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.

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

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

\printindex[manuscripts] % ditto for lexical

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

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

\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 stan-

dard LaTeX, but we philologists sometimes need it. Say, for example, `\diatop[\'|{o}]` to get ó.

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

`rotating` That's pretty much it.
You might want to add `\usepackage[figuresright]{rotating}` 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 TeX Gyre Pagella or other Unicode font in TeX 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`.

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 LaTeX2e format.

```
\NeedsTeXFormat{LaTeX2e}
```

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

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

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

```
\RequirePackage{ %
    graphicx,
    amsmath,
    amsfonts,
    amssymb,
    textcomp, % arcane LaTeX/NFSS system for subsetting encodings.  Needed for Sigma.
    wasysym,
    polyglossia,
    hyperref,
    hyperxmp, % to embed XMP metadata in the PDF
    geometry,
    array,
    longtable,
    polyglossia,  % polyglossia calls fontspec
    multicol,
    booktabs, %professional tables \toprule etc.
    textcase, % to get \MakeTextLowercase for tweaking the running footer
    fancyhdr,
}
```

`\xcolor` Settings for the `xcolor` package

```
\RequirePackage[xetex,
    dvipdfmx,
    hyperref,
    svgnames]
    {xcolor}
```

enumitem

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

\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.

```
\setlength{\marginparwidth}{2cm} %todonotes manual, section 1.6.5
\usepackage[colorinlistoftodos,
%    disable,
textsize=tiny,
shadow,
backgroundcolor=yellow]{todonotes}
%
\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

```
\newcommand{\PreliminaryNote}[1]{%
    {\def\thefootnote{\relax }%
        \footnotetext{\hspace*{-2.3em} %only if not using \hangfootnotes
            #1}}}

%DW ?
\skip\footins=24pt
%DW ?
```

\HSSAfooter

```
\def\HSSAfooter#1 %*%
      {\gdef\@HSSAfooter{#1}}
```

\@HSSAtitle

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

3.1 Set the geometry for the pages

geometry Set the geometry for the pages DW

```
\geometry{twoside,
 paperwidth=210mm,
```

```
  paperheight=297mm,
  textheight=562pt,
  textwidth=384pt,
  centering,
  headheight=30pt,
  headsep=18pt,
  footskip= 42pt, %24pt,
  footnotesep=24pt plus 2pt minus 12pt,
 }
```

3.2 Front matter

\title
\author
\date

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

\title

```
\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.

```
\author{\@HSSAauthorname\\ [1ex]
    \parbox{\textwidth}{\small\centering\emph{\@HSSAauthoraddress}}
}
```

\date

No date.

```
\date{\relax }
```

3.3 Running headers and footers

\HSSAverso

Variable that collect the page header of the verso pages.

```
\def\HSSAverso#1{\gdef\@HSSAverso{#1}}
```

\HSSArecto

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

```
\def\HSSArecto#1{\gdef\@HSSArecto{#1}}
\let\@HSSAverso\@empty
\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.

```
\HSSAverso{\@HSSAarticletitle }
  \let\HSSAshorttitle\HSSAverso
\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).

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

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

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

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

```
%\usepackage{fancyhdr} % after the geometry setup
\pagestyle{fancy}
\fancyhead{}
\fancyhead[CO]{\textenglish{\@HSSAheaderfooterfont\MakeTextLowercase{\@HSSArecto}}}
\fancyhead[CE]{\textenglish{\@HSSAheaderfooterfont\MakeTextLowercase{\@HSSAverso}}}
\fancyhead[RO]{\textenglish{\@HSSAheaderfooterfont\thepage}}
\fancyhead[LE]{\textenglish{\@HSSAheaderfooterfont\thepage}}
\fancyfoot[L]{}
\fancyfoot[C]{\textenglish{\@HSSAheaderfooterfont\@HSSAfooter}}
\fancyfoot[R]{}
\renewcommand{\headrulewidth}{0pt}
\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

```
\fancypagestyle{fancy-plus-DOI}{%
\fancyhead{}
\fancyhead[R]{}
%\fancyhead[CO]{\@HSSAheaderfooterfont\@HSSArecto}
%\fancyhead[CE]{\@HSSAheaderfooterfont\@HSSAverso}
%\fancyhead[RO]{\thepage}
%\fancyhead[LE]{\thepage}
\fancyfoot[L]{\copy\cclogobox\tiny\textenglish{\@HSSAheaderfooterfont
\href{http://doi.org/\@DOI}
    {doi: \@DOI}}}
\fancyfoot[C]{\textenglish{\@HSSAheaderfooterfont\@HSSAfooter}}
\fancyfoot[R]{}
```

```
%\renewcommand{\headrulewidth}{0pt}
%\renewcommand{\footrulewidth}{0pt}%
}
```

\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.

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

3.5 Output the preliminary matter

\AtBeginDocument

```
%DW
\AtBeginDocument{%
    \coverpage
    \copyrightspage
    %
    \setcounter{page}{0}
    \maketitle
    \thispagestyle{fancy-plus-DOI}
    \setcounter{page}{\thefirstpage}
%
%\@ifpackageloaded{hyperref}
    \def\@linkcolor{darkbrown}
    \def\@anchorcolor{darkbrown}
    \def\@citecolor{darkbrown}
    \def\@filecolor{darkbrown}
    \def\@urlcolor{darkbrown}
    \def\@menucolor{darkbrown}
    \def\@pagecolor{darkbrown}
%
    \selectbackgroundlanguage{english}
    \input{sanskrit-hyphenations}    % for some reason this doesn't work
}
```

3.6 Output the pages that come after the article

\AtEndDocument

```
\AtEndDocument{%
    \newpage
    \coverlastpage }
```

3.7 Arrange the appendix

Appendix

```
% Consider using \RequirePackage[title]{appendix}
%
\def\appendixname{Appendix}
\renewcommand\appendix{\par
  \setcounter{section}{0}%
  \setcounter{subsection}{0}%
  \setcounter{equation}{0}
  \addtocontents{toc}{\string\let\string\numberline\string\tmptocnumberline}{}{}
}
```

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

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

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

\titlealign

```
\def\titlealign#1{\gdef\@titlealign{#1}}
\let\@titlealign\centering
\def\aualign#1{\gdef\@aualign{#1}}
\let\@aualign\centering
\def\titlefont#1{\gdef\@titlefont{#1}}
\def\aufont#1{\gdef\@aufont{#1}}
\def\@titlefont{\fontsize{20}{24}}
\def\@aufont{\fontsize{10}{12}}
%
% Footer font
%
\def\footerfont#1{\gdef\@footerfont{#1}}
\footerfont{\fontsize{7}{8}}
%
% Footer address
%
\def\footeraddress#1{\gdef\@footeraddress{#1}}
\let\@footeraddress\@empty
```

3.9 The content of the cover page

\coverpage

```
\long\def\coverpage{%
    \thispagestyle{empty}
```

```
\begingroup
\parindent0pt
\pagecolor{pagecolor}
\color{Maroon!20}
\hspace*{-.05\linewidth}%
\begin{minipage}{1.1\linewidth}%
    \vspace*{-18pt}%
    \includegraphics[width=50mm]{logo.eps}\par
    \vskip-12pt
    \fontsize{30}{36}\selectfont
    History of Science in South Asia\par\medskip
    \footnotesize\itshape
    A journal for the history of all forms of scientific thought and
    action, ancient and modern, in all regions of South Asia\par
\end{minipage}
\par
\vfill
\begin{minipage}{\linewidth}
    \raggedright
    \LARGE
    \@HSSAspecialissuedetails
\end{minipage}
\par
\vfill
\par
\begin{minipage}{\linewidth} % Here's the main title and author and affiliation
    \raggedright
    \LARGE
    \@HSSAarticletitle
    \par\vspace*{10mm}
    \large
    \@HSSAauthorname\par
    \vspace{.8\baselineskip}
    \normalsize
    \emph{\@HSSAauthoraddress}
    \par\vspace*{10mm}
\end{minipage}
\par
\vfill
\par
\hspace*{-.05\linewidth}%
\begin{minipage}{1.1\linewidth}
    \rule{\linewidth}{.1pt}
    \footnotesize
    {\tiny MLA} style citation form:  \thecovercitation \\[3pt]
```

```
        Online version available at: {\def\@urlcolor{Maroon!20}%
            \href{http://hssa-journal.org}{http://hssa-journal.org}}
    \end{minipage}
  \endgroup
    \vspace{-10mm}
    \newpage
} % end coverpage
```

3.10 The the content of the copyright page

\copyrightspage

```
\long\def\copyrightspage{%
    \begingroup
    \pagecolor{white}
    \normalcolor
    \thispagestyle{empty}
    \footnotesize
    \begin{minipage}[t][.98\textheight][t]{\linewidth}
        {\addfontfeature{LetterSpace=8}\bfseries
            HISTORY OF SCIENCE IN SOUTH ASIA}\\
        A journal for the history of all forms of scientific thought and action,
        ancient and modern, in all regions of South Asia, published online
        at \href{http://hssa-journal.org}{http://hssa-journal.org}

        \vfill

        ISSN 2369-775X

        \vfill

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            \leftmargini=1em
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```
    \item Dagmar Wujastyk, University of Alberta, Edmonton, Canada
\end{itemize}

\medskip

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\medskip

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\medskip

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\medskip

The electronic versions were generated from sources marked up in
\href{http://www.latex-project.org}{\LaTeX}{} in a computer running
\textsc{gnu/linux} operating system. \textsc{pdf} was typeset
using \href{http://tug.org/xetex/}{\XeTeX}{} from
\href{http://tug.org/texlive/}{\TeX Live}.
The base font used for Latin script and oldstyle numerals  was
```

```
        \href{http://www.gust.org.pl/projects/e-foundry/tex-gyre/pagella}{\TeX{}
            Gyre Pagella}  developed by
        \href{http://www.gust.org.pl}{\textsc{gust}}, the Polish
        \TeX{} Users Group.
    \end{minipage}
    \endgroup

    \pagecolor{white}
    \normalcolor
} % end \copyrightpage
```

3.11 The content of the back cover page

\coverlastpage

```
\long\def\coverlastpage{\newpage\parindent=0pt
    \thispagestyle{empty}
    \pagecolor{pagecolor}
    \parskip=0pt
    \mbox{}
    \vfill
    \par
    \color{endscriptcolor}
    \colorlet{urlcolor}{endurlcolor}
    \rule[3pt]{\textwidth}{.2pt}
    {\normalfont\scriptsize\raggedright Please write to
        \href{mailto:wujastyk@ualberta.ca}
            {\color{white}$\langle$wujastyk@ualberta.ca$\rangle$}
        to file bugs/problem reports, feature requests and to get involved. \\
        %   \addfontfeature{LetterSpace=6}%
        \href{http://hssa-journal.org}
            {\color{white}The History of Science in South Asia}
        \textbullet\
        Department of History and Classics,
        2--81 HM Tory Building, University of Alberta,
        Edmonton, AB, T6G 2H4,
        Canada.}%
    \vspace*{-20pt}
}
```

3.12 Tweak captions → footnotesize

\@makecaption

```
% originally for Speziale
\long\def\@makecaption#1#2{%
```

```
    \vskip\abovecaptionskip
    \footnotesize % added footnotesize
    \sbox\@tempboxa{#1: #2}%
    \ifdim \wd\@tempboxa >\hsize
    #1: #2\par
    \else
    \global \@minipagefalse
    \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
    \fi
    \vskip\belowcaptionskip}
```

3.13 Page layout dimensions

DW can this be superseded by the geometry package?

pagelayout

```
\renewcommand\topfraction{1}
\renewcommand\bottomfraction{.8}
\renewcommand\textfraction{0}
\renewcommand\floatpagefraction{.8}    % 0.95 better ????
\renewcommand\dbltopfraction{1}
\renewcommand\dblfloatpagefraction{.8}
\renewcommand\topfraction{1}
\renewcommand\bottomfraction{.8}
\renewcommand\textfraction{0.1}
\renewcommand\floatpagefraction{0.95}  % was 0.8 changed 1
```

3.14 Misc layout settings

```
\lefthyphenmin=3
\righthyphenmin=3
%\RequirePackage[hang]{footmisc}
%\setlength\footnotemargin{.8em}

%\geometry{footskip=42pt}

\RequirePackage{lettrine}
\RequirePackage[normalem]{ulem}
```

3.15 Journal-specific user-facing macros

```
%DW
\def\HSSAspecialissuedetails#1{\gdef\@HSSAspecialissuedetails{#1}}
\HSSAspecialissuedetails{\empty }
%
```

```
% Provide user command \HSSAissuenum
\def\HSSAissuenum#1{\gdef\@HSSAissuenum{#1}}
\HSSAissuenum{999}
%
% Provide user command \HSSAarticletitle
\def\HSSAarticletitle#1{\gdef\@HSSAarticletitle{#1}}
\HSSAarticletitle{My Life}
%
% Provide user command \HSSAauthorname
\def\HSSAauthorname#1{\gdef\@HSSAauthorname{#1}}
\HSSAauthorname{Joe Bloggs}
%
% Provide user command \HSSAissuedate
\def\HSSAissuedate#1{\gdef\@HSSAissuedate{#1}}
\HSSAissuedate{1900}
%
% Provide user command \HSSAauthoraddress
\def\HSSAauthoraddress#1{\gdef\@HSSAauthoraddress{#1}}
\HSSAauthoraddress{Timbuktu}

% Collect DOI info when ready and print it in covercitation
% Provide DOI when we have it.
\def\DOI#1{\gdef\@DOI{#1}}
\gdef\@DOI{\empty}
%%\newtoks\DOI
\newcommand{\printDOI}{\ifx\@DOI\empty\relax
    \else
    {\def\@urlcolor{Maroon!20}
        \textsc{doi:} \href{https://doi.org/\@DOI}{\@DOI}.\fi }
}
% 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

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

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

`\section`

```
\setcounter{secnumdepth}{1}
\renewcommand\section{\@startsection {section}{1}{\z@}%
    {-18\p@ \@plus 6\p@ \@minus 3\p@}%
    {9\p@ \@plus 6\p@ \@minus 3\p@}%
    {\normalsize\centering\fspace{10}\MakeUppercase}}
\renewcommand\subsection{\@startsection{subsection}{2}{\z@}%
    {-15\p@ \@plus 6\p@ \@minus 3\p@}%
    {6\p@ \@plus 6\p@ \@minus 3\p@}%
    %           {\normalfont\footnotesize\fspace{10}\centering\MakeUppercase}}
    {\normalfont\large\scshape\fspace{8}\centering\MakeLowercase}}
\renewcommand\subsubsection{\@startsection{subsubsection}{3}{\z@}%
    {-15\p@ \@plus 6\p@ \@minus 3\p@}%
    {\p@}%
    {\normalfont\normalsize\itshape\centering}}

\def\HSSAfirstpage#1{\gdef\thefirstpage{#1}}
\def\HSSAlastpage#1{\gdef\thelastpage{#1}}
% Initialize the values:
\HSSAfirstpage{000}
\HSSAlastpage{999}
```

3.16 Creative Commons logo

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

3.17 Tweak tabular layout

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

\RequirePackage{xltxtra}
\emergencystretch=.1\columnwidth
```

3.18 Not used?

```
%\HSSAjournalAbbrev{Hist.~Sci.~South Asia}
\definecolor{bg}{HTML}{600000}
\colorlet{pagecolor}{bg}
\colorlet{urlcolor}{black!50}
\colorlet{endurlcolor}{pagecolor!30}
\colorlet{linkcolor}{black!50}
\colorlet{endscriptcolor}{pagecolor!20}
```

3.19 PDF metadata

Commented out because it interferes with other stuff.

```
%    \pdfstringdef{\@temppdftitle}{\@HSSAarticletitle}
%    \pdfstringdef{\@temppdfauthor}{\@HSSAauthorname}
%    \pdfinfo{%
%        % copying out title because of macro expansion problems
%              /Title (\@temppdftitle)
%              /Author (\@temppdfauthor)
%        /Keywords (DOI: https://doi.org/\@DOI)
%    }
%}
```

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

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

`\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.

```
\hypersetup{colorlinks=true,
    bookmarksopen=false,
    pdfpagescrop={39 62 554 759},
    % now hyperxmp settings:
%    pdfauthor={\@HSSAauthorname},
%    pdftitle={\@HSSAarticletitle},
%    pdfcopyright={\@HSSAauthorname},
%    pdfdoi={\@DOI },
%    pdfurl={https://doi.org/\@DOI},
    pdfissn={2369-775X},
    pdflicenseurl={https://creativecommons.org/licenses/by-sa/4.0/},
    pdfpublication={History of Science in South Asia},
    pdfcaptionwriter={Dominik Wujastyk},
    pdfurl={https://journals.library.ualberta.ca/hssa/},
    pdfpublisher={University of Alberta Library},
    pdfpubtype={journal},
    pdfpubstatus={VoR}, % Version of Record
}
```

No idea what this was about:

```
%\spaceskip.1em plus .1em minus .1em
```

3.20 Simple indented, environment for Sanskrit verses

\beginsloka

```
%\newenvironment{sloka}
% {\list{}{\rightmargin\leftmargin}%
%    \item\relax}
%{\endlist}
\newenvironment{sloka} % tweaked from verse
{\let\\\@centercr
    \parindent 1em
    \leavevmode \hskip-.03em
    %    \rightmargin \leftmargin
    %    \advance \leftmargin 10em
    %   \advance\leftskip 2em
    %    \advance\rightskip 2em
    %\narrower
}
{\relax }
```

3.21 Diatop

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

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

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

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

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

3.22 Mini edition environment

miniedition Documented at https://cikitsa.blogspot.com/2017/08/mini-edition-environment-for-latex.html

```
\newenvironment{miniedition}
    {\addtolength{\textwidth}{-\rightmargin} % width of the quote environment
        \begin{quote}
            \begin{minipage}{\textwidth}
```

```
                \let\footnoterule\relax
                \let\footnote\originalfootnote % see hssa-reledmac.sty for this
            }
            {\end{minipage}
        \end{quote}
    }
```

3.23 Index of Manuscripts

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

```
        \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)

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

4.2 Set up the langages and fonts, Polyglossia-style

```
\setdefaultlanguage[variant=british]{english}
%\setotherlanguage{japanese} % not supported in polyglossia yet
\setotherlanguage{greek}
\setotherlanguage{sanskrit}


\setmainfont[Ligatures=TeX,
  Mapping=tex-text,
  Numbers=OldStyle]{TeX Gyre Pagella}
%\setmainfont[Scale=1.05]{Alegreya} % quite nice; superscripts not smaller

% Sanskrit in Devanagari script:
\newfontfamily\sanskritfont[Script=Devanagari,
  %Mapping=RomDev,
  FakeStretch=1.08, % improves Sanskrit 2003
  ]
 %  {Murty Sanskrit}
{Sanskrit 2003}
\let\dn\sanskritfont %for legacy Velthuis-encoded documents

% Sanskrit input in IAST
\newfontfamily\devanagarifont[Script=Devanagari,
Mapping=RomDev,
FakeStretch=1.08, % improves Sanskrit 2003
]
%  {Murty Sanskrit}
{Sanskrit 2003}
\newcommand{\dev}[1]{{\devanagarifont#1}}
```

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

%
% Chinese:
\newfontfamily\cjk[Script=CJK,Mapping=tex-text,Scale=MatchLowercase]
%{IPAexMincho} % missing
%{TakaoPGothic}
{Yu Mincho}
%
% Greek
\newfontfamily\greekfont{Gentium Plus}[Script=Greek,
    Mapping=tex-text,
    Scale=MatchUppercase]

%{Old Standard}
%{GFS Porson}
%{GFS Didot}
%{Galatia SIL}
%{Linux Libertine O}
```

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

4.3 Local generic author-facing macros

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

4.4 Math mode with Unicode fonts

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

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Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

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