The category codes are temporarily changed back to their original values.

\def\cmtbhinge{\catcode`\-=12\catcode`\l=12\catcode`\*=12\catcode`\+=12\catcode`\:-=12\catcode`\>=12\catcode`\l=12\catcode`\-=12\catcode`\,:=12\catcode`\;<=12\catcode`\>=12\catcode`\l=12\catcode`\-=M=5\catcode`\l=10\catcode`\!==12\catcode`\-=\active\!defequ%\apebodyfont\!apebline%}
\end of definition of \apebegin
\gdef\apebegin\!
\gdef\apeend{\!/apebegin\endgroup}%
\gdef\ap{\begingroup%
\gdef\apekeywordfont{\l}
\gdef\apecommentfont{\l}
\gdef\apebodyfont{\l}
\gdef\apshapace{\l}
\gdef\apemargin{\l}
\apebegin{ap}%
\% The reason for letting \ap take over
\% from \ap at this point is to make \TeX
\% scan the argument with the correct
\% category codes.
\%
\)% This ends the environment in which the
\% macros are defined.
\%

---

Contents of Archive Server as of 16 January 1989

Michael DeCorte
Clarkson University

Several changes to the \LaTeX\ Archive have been made since the last TUGboat. It has been split into several different subarchives: \LaTeX\ style files; \TeX\ style files; AM-T\TeX\ style files; Bi\TeX\ style files; Bi\TeX\ 0.98 style files; \TeX\ programs. Also there are several new archives: AM-T\TeX\ source; Bi\TeX\ source; CM fonts source; \LaTeX\ source; \TeX\ documentation; \TeX\ inputs; \TeX\ source; \TeX\ tests; TUGboat files; \TeX\xhax; \TeX\MaG\ digest; UK\TeX\ digests.

As always, submissions are encouraged. If you do submit a file please include at the top of the file: your name; your email address; your real address; the date. Also please make certain that there are no lines in the file longer than 80 characters as some mailers will truncate them. Mail should be sent to mrd@sun.soe.clarkson.edu archive-management@sun.soe.clarkson.edu

For Internet users: How to ftp

An example session is shown at the bottom of the following page. Users should realize that ftp syntax varies from host to host. Your syntax may be different. The syntax presented here is that of Unix ftp. Comments are in parentheses. The exact example is for retrieving files from the \LaTeX\ Archive; the syntax is similar for the other archives, only the directories differ. The directory for each archive is given in its description.

Non-Internet users: How to retrieve by mail

To retrieve files or help documentation, send mail to archive-server@sun.soe.clarkson.edu with the body of the mail message containing the command help or index or send. The send command must be followed by the name of the archive and then the files you want. Users who are not in the uucp maps database are strongly encourage to include a path command followed by a path from Clarkson to you in domain style format. If you don't include a path command, your mail may not get to you and will definitely be delayed as Michael will have to mail it by hand. You should realize that Clarkson does not have a uucp connection; therefore you must send it to an Internet or Bitnet...
host that does have a uucp connection. For example, host!user@quu.net should send:

To: archive-server@sun.soe.clarkson.edu
Subject: path host!user@quu.net
send latex-style README Index
send latex-style resume.sty

Traffic on the network servers and gateways has been very high recently, and in order to provide improved service, there have been some volunteers to maintain local "slave" repositories of the \LaTeX\ style collection. There is usually a geographic or network restriction requested, since the idea is to cut down traffic, not add to it. The following areas will be covered by the volunteers listed:

- Bitnet users: Texas A&M maintains a list-server and file-server which is already handling (with \TeX-L) much of the Bitnet distribution of \TeX\hax. An inquiry via listserv will retrieve a list of all \TeX\-related files:
  
tell listserv at tamvm1 get tex filelist
- UK users: Aston University maintains a \TeX\ archive covering all aspects of \LaTeX/\AM\TEX/\METAFONT\ and ancillary software. UK\TeX\ (like \TeX\hax) digests are distributed from Aston. For users with Colour book software, FTP access is available; for all users, mail access is available. Send enquiries in the first instance to info-tex@uk.ac.aston (via Internet use pabbot@mss.cs.ucl.ac.uk).

Additional volunteers should contact Michael.

**Distribution for IBM PC and clone users**

There are two sources:

- David W. Hopper
  446 Main Street
  Toronto, Ontario
  Canada M4C 4Y2

has \AM\TEX\ style files only.

1. Either one 1.2 MB diskette or three 360KB diskettes, blank and formatted.
2. Indication of the format required,
3. A self-addressed mailer, and
4. A $5.00 donation per set of files, to cover postage and equipment wear & tear. (If you live outside North America, airmail delivery will probably require more postage. You should probably contact David for details.)
5. No phone calls or personal visits please.

- Jon Radel
  P.O. Box 2276
  Reston, VA 22090

has \LaTeX\ style files and utilities. For a list of other info send a SASE.

1. 360KB diskettes, blank and formatted.
2. A stamped, self-addressed mailer, and
3. $1.50 per disk. If you live outside North America, skip the stamps and send additional money or International Reply Coupons.

As a convenience for people who have more money than floppies, Jon will supply everything for $6.00 per disk to U.S./Canada/Mexico addresses.

**Contents of the \AM\TEX Source**

This contains the \TeX\ source needed to build \AM\TEX. It is a duplicate directory of tex.amstex on Score. Files are located in pub/amstex for ftp users. Mail users should request files from the amstex archive.

**Contents of the \BIBTEX Source**

This contains the \BIBTEX\ style files and the \WEB\ files need to build \BIBTEX. It is a duplicate directory of tex.bibtex on Score. Files are located in pub/bibtex for ftp users. Mail users should request files from the bibtex archive.

---

**Sample FTP session for Internet users**

```
% ftp sun.soe.clarkson.edu
... (a.k.a. 128.153.12.3)
user: anonymous (general blurb)
password: <any non-null string>
ftp> cd pub/latex-style (where the files are)
ftp> ls (to see what is there)
ftp> get Index (lots of output)
ftp> get Index (more blurb)
ftp> quit
```
Contents of the CM Fonts
This contains the METAFONT files needed to build
the CM fonts. It is a duplicate directory of tex.cm
on Score. Files are located in pub/cm-fonts for
ftp users. Mail users should request files from the
cm-fonts archive.

Contents of the LaTeX Source
This contains the TEX files needed to build LaTeX.
It is a duplicate directory of tex.latex on Score.
Files are located in pub/latex-source for
ftp users. Mail users should request files from the
latex-source archive.

Contents of the 'QX Documentation
This contains documentation on 'QX. It is a
duplicate directory of tex.doc on Score. Files are
located in pub/tex-doc for ftp users. Mail users
should request files from the tex-doc archive.

Contents of the 'QX Inputs
This contains the 'QX files needed to build plain
'QX. It is a duplicate directory of tex.inputs on Score.
Files are located in pub/tex-inputs for ftp users. Mail users
should request files from the tex-inputs archive.

Contents of the 'QX Source
This contains the WEB files needed to build 'QX.
It is a duplicate directory of tex.web on Score.
Files are located in pub/tex-source for ftp users. Mail users
should request files from the tex-source archive.

Contents of the 'QX Tests
This contains the files needed to test 'QX using the
triptest. It is a duplicate directory of tex.tests on Score.
Files are located in pub/tex-tests for ftp users. Mail users
should request files from the tex-tests archive.

Contents of the TUGboat Files
This contains files related to TUGboat. It is a
duplicate directory of tex.tugboat on Score. Files are
located in pub/tugboat for ftp users. Mail users
should request files from the tugboat archive.

Contents of the 'QXhax Digests
This contains all of the back issues of 'QXhax. Files are
located in pub/texhax for ftp users. Mail users
should request files from the texhax archive.

Contents of the TpXMaG Digests
This contains all of the back issues of TpXMaG.
Files are located in pub/texmag for ftp users. Mail users
should request files from the texmag archive.

Contents of the UK 'QX Digests
This contains all of the back issues of UK 'QX. Files are
located in pub/uktex for ftp users. Mail users
should request files from the uktex archive.

Contents of the LaTeX Style Collection
This contains files that are specific to LaTeX. Most of
these are style files but some of them are programs. Some of the files support BibTeX style
files that are in the BibTeX Collection or the BibTeX 0.98 Collection. Files are located in pub/latex-
style for ftp users. Mail users should request files from the latex-style archive.
a4.sty Set page size to A4
a4wide.sty Set page size to A4 with narrow
margins (needs a4.sty)
a5.sty Sets A5 page size (use only with
10pt)
a5comb.sty Sets A4 page style but for spirally-
bound documents (bigger inner
margins)(needs a5.sty)
aaai-doc.tex Style file for AAAI conference 1988
aaai.sty (BibTeX style in bibtex-style
and bibtex-style-0.98)

aip.sty For American Institute of Physics
journals

agugrl-sample.tex
agugrl.sty AGU Geophysical Research Letters
agujgr-sample.tex

agugrl.sty AGU Journal of Geophysical
Research
album.shar For printing cassette labels
alleqno.sty Makes all displayed equations
numbered by default

alltt.sty Like verbatim, but permits other
commands inside

amssymbols.sty
Load the AMS fonts

spalike.sty American Psychological Association
(BibTeX style in bibtex-style)

bihead.sty Underlined heading
boxedminipage.sty

Put a box round a minipage
bsf.sty Provide access to bold sans serif
fonts in IATX

capcont.sty Needed by lcustom.tex. Creates
a caption without updating any
counters
changebar.sty
Changebars for \LaTeX
chapterbib.sty
Allow \LaTeX{} and \BibTeX{} to produce separate bibliographies for each chapter
cyrillic.sty
Load Cyrillic font
deproc1dc.tex
deproc.sty
DEC Users Proceedings
draft.sty
Draft option for documents for debugging
drafthead.sty
Prints DRAFT in heading
drop.sty
For making large dropped initials for starting paragraphs
doublespace.sty
Double spacing in text
eepic10.shar
A picture environment that uses \tikz{} specials
eenv.sty
For printing on envelopes
epic1.shar
Shar archive of an extended picture environment
equations.sty
Macros to aid in constructing displayed equations in \LaTeX{}
espo.sty
For Esperanto
figplace.tex
\LaTeX{} macros to handle floating insertion
fixup.sty
Fix up plain's \texttt{\bigl}, etc. to track \LaTeX{} size changes
flowchart.sty
For writing flow charts
fnpara.sty
Sets footnotes as paragraphs
format.sty
Print FP numbers in fixed format
frontiers.sty
For \textit{Frontiers '88 Symposium} and other IEEE conferences
fullpage.sty
Gives one inch margins
german.sty
For German
greek1.shar
Shar file to help Greek users of \LaTeX{}
greek2.shar
\LaTeX{} environment
greedyfooter.sty
Adds the capability of underlining the heading, ala the \LaTeX{} manual
icassp.sty
For the ICASSP '89 Conference and possibly other IEEE conferences
insertplot.readme
insertplot.sty
Macros for inserting PostScript in files printed with Arbortext's \DVIPS.
iso-doc.tex
For use by those writing ISO standards
iso.sty

ist21.sty
IST21 document style option for cover page
jbs.sty
For \textit{The Journal of Business Strategies}
layout.readme
Layout nice diagram showing page parameters of \LaTeX{}
lcustom.sty
Useful macros and definitions for \LaTeX{}
local-suppl.tex
Supplement to local guide that describes lcustom.tex, sfmac.sty, tgrind.sty, trademarks.sty xxxcustom.tex, xxxslides.sty
lfonts_ams.readme
lfonts_ams.tex Use AMS symbols in \LaTeX{}
manual.readme
manual.sty
Like "book" but for manuals. You should read the documentation for this
man10.sty
"book" to learn how to use this
man12.sty
style file
memo.sty
Memo and "memo for the record" style option
merge.sty
Form letter option to \LaTeX{} letter style
mitthesis-sample.tex
mitthesis.sty
Massachusetts Institute of Technology thesis format
multibox.sty
Provides multiple boxes in pictures
natsci.sty
Natural sciences (\BibTeX{} file in \texttt{\bibtex-style-0.98})
nl.sty
For Dutch
nofm.sty
For "n of m" style pagination
nopagenumbers.sty
Remove page numbers
pslatex.shar
Use printer resident PostScript fonts. Requires \texttt{\dvips} that understands PostScript fonts.
remark.sty
Like newtheorem but no \texttt{\textit{}}
resume-sample.tex
resume.sty
A format for doing resumes
roman-neg.sty
Roman-numbered pages get negative page numbers (useful when selecting only part of a document to be printed)
rotate.sty
Rotation of \LaTeX{} output with Textures (and maybe other PostScript drivers)
s21-wg1.sty
ISO/TC97/SC21 document style
s21.sty
option for cover page
schedule.sty
Style for generating schedule sheets
screen.sty
Helps create a document suitable for screen previewing
<table>
<thead>
<tr>
<th>Package</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>semitic.sty</td>
<td>Used to set Semitic languages</td>
</tr>
<tr>
<td>sfmac.sty</td>
<td>Useful macros for Unix documentation</td>
</tr>
<tr>
<td>showlabels.sty</td>
<td>Shows labels and references to them</td>
</tr>
<tr>
<td>slem.sty</td>
<td>Change \sl to \em</td>
</tr>
<tr>
<td>siam10.sty</td>
<td>Document style for SIAM</td>
</tr>
<tr>
<td>siam11.sty</td>
<td>(Society for Industrial and Applied Mathematics). (BiT\TeX{} style in</td>
</tr>
<tr>
<td>siam12.sty</td>
<td>bibtex-style)</td>
</tr>
<tr>
<td>siam.sty</td>
<td>siam.tex</td>
</tr>
<tr>
<td>siam.bib</td>
<td>spacecites.sty</td>
</tr>
<tr>
<td></td>
<td>Put spacing between citations</td>
</tr>
<tr>
<td>subeqn.sty</td>
<td>Allows related equations to be numbered with the same number but further qualified by a,b,c etc.</td>
</tr>
<tr>
<td>subeqnarray.sty</td>
<td>Allows related eqnarrays to be numbered with the same number but further qualified by a,b,c etc.</td>
</tr>
<tr>
<td>subfigure.sty</td>
<td>Allows related figures to be numbered with the same number but further qualified by a,b,c etc.</td>
</tr>
<tr>
<td>supertab.sty</td>
<td>Allows multipage tabulars</td>
</tr>
<tr>
<td>suthesis.sty</td>
<td>Stanford University thesis style</td>
</tr>
<tr>
<td>svma-doc.tex</td>
<td>Style for Springer-Verlag reports.</td>
</tr>
<tr>
<td>svma.sty</td>
<td>svma is for multiple authors; svsa is for single author</td>
</tr>
<tr>
<td>svsa.sty</td>
<td>tables-doc.tex</td>
</tr>
<tr>
<td>tables.sty</td>
<td>Ruled and unruled tables made easy</td>
</tr>
<tr>
<td>texnames.sty</td>
<td>Define a couple more \LaTeX{} names</td>
</tr>
<tr>
<td>tgrind.sty</td>
<td>Tgrind macros for \LaTeX{} instead of \TeX{}</td>
</tr>
<tr>
<td>threepart.sty</td>
<td>Three part page headers</td>
</tr>
<tr>
<td>trademarks.sty</td>
<td>Definitions of common trademarks</td>
</tr>
<tr>
<td>twoup.sty</td>
<td>Change the page sizes so that two pages can fit onto one page with the help of dvidvi</td>
</tr>
<tr>
<td>uctthesis.readme</td>
<td>A document style for the uct10.sty University of California thesis with documentation and support files.</td>
</tr>
<tr>
<td>uctthesis.sty</td>
<td>University of California thesis with documentation and support files.</td>
</tr>
<tr>
<td>uct10.sty</td>
<td></td>
</tr>
<tr>
<td>uct11.sty</td>
<td></td>
</tr>
<tr>
<td>uct12.sty</td>
<td></td>
</tr>
<tr>
<td>ukdate.sty</td>
<td>Changes the \today command to UK format</td>
</tr>
<tr>
<td>vdm-doc.tex</td>
<td>Vienna Development Method</td>
</tr>
<tr>
<td>vdm.sty</td>
<td>xxxcustom.tex</td>
</tr>
<tr>
<td></td>
<td>Supplementary macros for \tex{} for some xxx</td>
</tr>
<tr>
<td>xxxslides.sty</td>
<td>Supplementary macros for St\TeX{}, includes slides.sty</td>
</tr>
</tbody>
</table>

**Contents of the \TeX{} Collection**

This contains style files for plain \TeX{}. Files are located in pub/tex-style for ftp users. Mail users should request files from the tex-style archive.

- **cellar.tex** Macros to allow for both vertical and horizontal spans within a ruled table and take steps to prevent "nubs" and "gaps" when rules are used.
- **cell12.tex** "nubs" and "gaps" when rules are used.
- **cell13.tex**
- **cell14.tex**
- **dayofweek.tex** Macros to compute day of week and phases of the moon. Examples of how to use \TeX{} arithmetic capabilities.
- **deprocdoc.tex**
- **deproc.tex** *DEC Users Proceedings*
- **epigram.tex** Print text either centered or in a displayed paragraph.
- **fnpara.tex** Sets footnotes as paragraphs.
- **hyphen-nederlands.tex** A dutch \tex{}.
- **texinfo.tex** \TeX{} macros to handle Gnu texinfo files.
- **select.tex** Selectively print pages in a \TeX{} document.

**Contents of the \AMSTeX{}-\TeX{} Collection**

This contains style files specific to \AMSTeX{}-\TeX{} users. Files are located in pub/amstex-style for ftp users. Mail users should request files from the amstex-style archive.

- **amstexsiam-sample.tex**
- **amstexsiam-doc.tex**
- **amstexsiam.sty** For SIAM (Society for Industrial and Applied Mathematics)
- **imappt-sample.tex**
- **imappt.sty** For reports and preprints on 8.5 by 11 inch paper.

**Contents of the BiT\TeX{} Collection**

This contains files that are specific to version 0.99 of BiT\TeX{}. Many of these files are to be used with files in the \LaTeX{} Collection. Files are located in pub/bibtex-style for ftp users. Mail users should request files from the bibtex-style archive.
Contents of the BibTeX 0.98 Collection

This contains files that are specific to version 0.98 of BibTeX. Many of these files are to be used with files in the LaTeX Collection. Files are located in pub/bibtex-style-0.98 for ftp users. Mail users should request files from the bibtex-style-0.98 archive.

acm.bst Association for Computing Machinery

aaai-named.bst AAAI conference

apalike.bst American Psychological Association (LaTeX style file in latex-style)

cpp.el A C preprocessor written for GnuEmacs for use in generating BibTeX style files from a master file

ieeetr.bst IEEE Transactions

makebst.sh A shell script to make bibtex style files from a master bst file

physics.btx Various physics journals; must be run through cpp.el or makebst.sh

siam.bst SIAM (LaTeX style in latex-style)

Contents of the TeX Programs

This contains programs that are of general interest to TeX users in general. Files are located in pub/tex-programs for ftp users. Mail users should request files from the tex-programs archive.

docsty.shar Program to convert .doc to .sty by stripping comments

dvidoc1.shar DVI to character device filter for Unix BSD systems

dvidoc2.shar DVI to character device filter for Unix BSD systems

dvidvi.shar Program to select pages from dvi files or print multiple pages on a single page

fig2epic1c.shar Converts fig code to epic or eepic files

1graph.shar Data to graph command filter in Pascal

pcwritex.uue PC-Write to TeX interface that has been uuencoded

rscsencode.shar Programs to encode and decode files with rscs

uuencode.shar Programs to encode and decode files

texindex.shar Style file and processor for index entries for VMS

wsltex.shar Wordstar to LaTeX filter, C and Pascal versions