# Contents of the Clarkson Archive Server as of 22 September 1989

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Due to the size of the archive, this listing will only contain updates to the archive. The first issue of the year contains the complete list of files.

A few changes have been made. One, you can now get files via tape for a small charge. Two, I am now working in Philadelphia but will continue to maintain the Archive Server. Special thanks to Rob Logan for helping to maintain the Archive.

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 below. 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 IATEX 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 archiver-server@sun.soe.clarkson.edu with the body of the mail message containing the command help or index or send and the command path. The send command must be followed by the name of the archive and then the files you want. The path command must be followed by a path from Clarkson to you in domain style format. This means

that Clarkson can only send mail to Internet, Bitnet and registered UUCP sites. Therefore host!user is guaranteed to bounce but user@host.UUCP will work. For example this user should send

To: archive-server@sun.soe.clarkson.edu
Subject:
path user@host.UUCP
send latex-style Readme Index
send latex-style resume.sty

Unfortunately it is not at this time possible for mail users to request files larger than 100k. They are only available via ftp or tape.

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 IATEX 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 TEXhax. 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 TEX, IATEX, METAFONT, and ancillary software. UKTEX (like TEXhax) digests are distributed from Aston. For users with Colour book software FTP access is available; for all users mail access is available. Send enquires in the first instance to info-texQuk.ac.aston (via internet use pabbottQnss.cs.ucl.ac.uk).
- Italian users: Marisa Luvisetto and Max Calvani maintain a SPAN/DECNET depository. They have software for redistribution

## Sample FTP session for Internet users

% ftp sun.soe.clarkson.edu
... (a.k.a. 128.153.12.3)
... (general blurb)

user: anonymous
password: <any non-null string>
ftp> cd pub/latex-style (where the files are)
ftp> ls (to see what is there)
... (lots of output)

ftp> get Index
... (more blurb)

like the latex-style collection, Beebe's driver family, TEXhax, TEXMAG, UKTEX magazines, dvitovdu, psprint, texsis. For more info on what is available and how to get it, please send a mail message to 39947::luvisetto or 39003::fisica. American users can also contact Ed Bell at 7388::bell. Max Calvani's internet address is fisica@astrpd.infn.it.

■ Canadian users: A shadow copy of the IATEX Style Archive is kept on neat.ai.utoronto.ca, and is updated automatically from the master source. It can be accessed via anonymous FTP (128.100.1.65). Mail access is also possible by mailing to info@ai.utoronto.ca or utai!info. For more details about mail access, send a message to that address with a message body that reads

request: info
topic: help

request: latex-style

topic: info

Additional volunteers for slave depositories should contact Michael.

## Tape Distribution by USMail

To obtain archives on tape via US-mail send

Rob Logan
 ERC
 Clarkson University
 Potsdam NY 13676

a self addressed stamped tape (8mm, 0.25 inch, 0.5 inch) with a check for \$20 made to Clarkson University and a list of the archives that you want (eg latex-style and texhax). You can ask for as many archives as will fit on the tape, but you may not ask for individual files. The tape will be written in Unix tar format. Unless you specify otherwise, the tape will be written at the highest possible density (0.5 inch at 6250 BPI, 8mm at 2.3 gigabytes per tape, 0.25 inch at 60 megabytes per tape). If you do not live in the US, we will provide postage if you send a self-addressed tape without stamps and a check for \$40 instead of \$20.

NOTE: if the tape is not self addressed we will keep the tape and use it for backups.

For your information, money is used to pay a student to copy the tapes, and any money left over is put into an account from which we will eventually buy a disk drive dedicated to the archive server. Contributions are strongly encouraged and tax deductible.

#### Distribution for IBM PC and clone users

There are two sources.

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

has IATEX style files only. David has in been in a state of flux for a little while and would like to apologize for any delays. If you have not received requested files from him you should get in contact with him. Send:

- Either one 1.44 MB 3.5 inch diskette, one 1.2 MB diskette or four 360 KB 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 IATEX style files and other material including TEX. For a list of what is available and other information send a SASE.

#### AMS-TEX Sources

This contains the TEX source needed to build AMS-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.

#### AMS-TEX Style

This contains style files specific to AMS-TEX users. Files are located in pub/amstex-style for ftp users. Mail users should request files from the amstex-style archive.

#### BIBTEX Sources

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.

#### BIBTEX Style

This contains files that are specific to version 0.99 of BibTeX. Many of these files are to be used with files in the IfTeX Collection. Files are located in pub/bibtex-style for ftp users. Mail users should request files from the bibtex-style archive.

## BibTeX 0.98 Style

This contains files that are specific to version 0.98 of BIBTEX. Many of these files are to be used with files in the IATEX 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.

#### **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.

#### **DVI Driver Standards**

This contains digests from the DVI Driver standards committee and articles about DVI standards here. Files are located in pub/dvi-standard for ftp users. Mail users should request files from the dvi-standard archive. Digests are named driver.YY.MM.V where YY is the year of the issue, MM is the month and V is the volume.

#### IATEX Sources

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

#### **METAFONT Sources**

This contains the WEB files needed to build META-FONT. It is a duplicate directory of tex.mf on Score. Files are located in pub/mf for ftp users. Mail users should request files from the mf archive.

#### T<sub>F</sub>X Documentation

This contains documentation on TEX. 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.

#### TEX Inputs

This contains the TEX files needed to build plain TEX. 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.

## T<sub>E</sub>X Sources

This contains the WEB files needed to build TEX. 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.

#### T<sub>F</sub>X Fonts

This contains the METAFONT files for user contributed fonts. Files are located in pub/tex-fonts for ftp users. Mail users should request files from the tex-fonts archive.

## 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.

## TeX Style

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.

#### TeX Tests

This contains the files needed to test TEX 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.

## TEXhax Digests

This contains all of the back issues of TEXhax. Files are located in pub/texhax for ftp users. Mail users should request files from the texhax archive. Files are named texhax.YY.NNN where YY is the year of the issue and NNN is the issue number.

## TEXMAG Digests

This contains all of the back issues of TEXMAG. Files are located in pub/texmag for ftp users. Mail users should request files from the texmag archive. Files are named texmag.V.NN where V is the volume number and NN is the issue number.

#### **Transfig Sources**

This contains the C source for Transfig, a program that converts Fig output to other forms such as PICTEX. Files are located in pub/transfig for ftp users. Mail users should request files from the transfig archive.

#### 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.

## UKTEX Digests

This contains all of the back issues of UKTEX. Files are located in pub/uktex for ftp users. Mail users should request files from the uktex archive. Files are named uktex.YY.NNN where YY is the year of the issue and NNN is the issue number.

#### IATEX Style

This contains files that are specific to IATEX. Most of these are style files but some of them are programs. Some of the files have 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.

#### boxedminipage.sty

puts a box round a minipage

bsf.sty

Provide access to bold san serif fonts in LATEX

deproc.sty DECUS proceedings style

farticle.sty French version of article.sty

frenchponct.sty

french punctuation

1tugboat.sty for articles to TUGboat

 ${\tt texnames.sty} \ {\rm define} \ {\rm a} \ {\rm couple} \ {\rm more} \ {\rm T}_{\!E\!X} \ {\rm names}$ 

usenix.sty for Usenix conference proceedings

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# Coming in January from the American Mathematical Society

Upgrades and new features for a number of the American Mathematical Society's TEX-related products will be available from AMS in January. The most important of these are:

- a style file for IATEX incorporating the mathematical typesetting features of AMS-TEX;
- Version 2.0 of AMS-TEX;
- an update and expansion of the current AMSFonts collection.

AMS-TeX, created by Michael Spivak with the sponsorship of the AMS, consists of TeX macros that facilitate the typesetting of complex mathematical formulas and displays. Version 2.0 was prepared by Spivak and AMS staff members and incorporates a number of improvements and changes suggested by users of AMS-TEX. These include improved error and help messages; elimination of all known bugs; refinements to macros and other changes to conserve memory space; simplified access to fonts in addition to those defined in plain TFX. Some optional formatting features, such as the ability to use running heads, have been incorporated in the preprint style. Finally, the AMS-TEX macros, which are defined in the file amstex.tex, have been fully documented by Spivak in a separate file, amstex.doc, which is organized in parallel with amstex.tex.

Users of the old Version 1.1 of AMS-TEX can obtain the new version from the AMS free of charge. The upgrade package will include an explanation of the differences between the old and new versions and a summary of changes to The Joy of TEX. Those who have been using the AMS-onts package and wish to upgrade to AMS-TEX 2.0 must also upgrade the fonts (see below).

The AMS has also been working on making AMS-TEX and IATEX more compatible. As part of this effort, the AMS has sponsored the development of several document styles for IATEX. The first is an AMS-TEX style option that allows IATEX users to utilize many of the AMS-TEX mathematical macros within existing IATEX document styles. Two document styles, amsbook and amsart, utilize the AMS-TEX style option and provide formats suitable for a typical book or for an article that might appear in either a journal or a collection. If an author uses one of these document styles to prepare a manuscript, then that IATEX manuscript can be submitted to AMS publications, whereas