```
c-cmss.mf
c-cmssbx.mf
c-cmssq.mf
c-cmsy.mf
c-cmti.mf
c-cmtt.mf
c-line.mf
c-sigma.mf
bold2math.mf
barcodes.mf   to generate barcodes
milstd.tex    for logic diagrams
milstd.mf
```

TEX Programs

This directory 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.

dvidoc.patch-sun2
        diffs for sun2 running Sun OS 3.4

dvidoc.shar3
        a DVI to character device filter for Unix BSD systems

fig2epic11c.shar
        converts fig code to epic or eepic files

schemetex.sh
        simple support for literate programming in Lisp. A Unix filter that translates schemeTEX source into LATEX source

TEX

This directory 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.

declare.tex   macros to allocate local registers

ithyphen.tex hyphen.tex for Italian

mssymb.tex   the definitions for the symbols in the two "extra symbols" fonts created at the AMS

scorecard.tex
        prints a baseball scorecard for one team

texpictex.tex
        tpic \special changes to PICTEX

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Site Reports

Data General site report

Bart Childs

We have now installed TEX 2.98 and the rest of the changes that have been made to the sources at Stanford since the first of the year. As usual, change the revision number, tangle, compile, ...

The new Data General printers are a considerable improvement over the previous ones. The new ones based upon the Canon engine do not have arbitrarily small limits for downloaded fonts. This driver should work well for the vanilla Canon printer.

We are in the process of rewriting these drivers in CWEB. It will be interesting to perform some timings to see if we can get an improved throughput. These drivers are descendants of dvitype.

Prime 50 Series Site Report

John M. Crawford

We've recently updated our TEX distribution tape to keep up with the latest revisions of software coming from Stanford and friends. This includes updates to TEX, METAFONT, utility programs, and META-FONT sources, as well as a rebuild of some of the METAFONT fonts. The LATEX and AMS-TEX source files have been updated. Further updates to this software can be quickly incorporated onto our tape, as our Internet network facilities allow us quick, easy access to the various software repositories.

Updated versions of various device drivers have also been incorporated into our new tape spins, thanks to contributions by some of our friendly off-site TEX and Primos users. We now also have available a version of TEX with greatly expanded memory arrays, by locally incorporating Bart Child's 64 Bit TEX work into our TEX port.

Typesetting on Personal Computers

"Free" TeX Software for IBM PCs

Jon Radel

Since there have recently been several confusing mentions of the disk copying service I supply to the TeX community, I would like to take this opportunity to clarify matters a bit and call attention to my service for those people who missed those mentions. I make copies of a variety of material of use for running TeX on an IBM PC or clone. The charge is nominal — to cover my expenses in gathering the material — if you supply the floppies and a return mailer. I can also supply the disks if you prefer to simply send money. I have, at the moment, two ports of TeX itself, one of METAFONT, Nelson Beebe's DVI drivers as well as some other drivers and previewers, the LaTeX-style collection, back issues of TeXhax and TeXMAG, and a variety of other interesting material. I make an effort to carry the most recent version of programs, but I can make no guarantees as I am in part dependent on the authors to let me know about new versions.

I would prefer that you send all mail about this software to me at Jon Radel, P. O. Box 2276, Reston, VA 22090. To get the details on ordering, and the current list of what I have, please send a self-addressed envelope. Attach 45 cents postage in the U.S. Outside the U.S., send International Reply Coupons, 2 for Canada and Mexico, 4 for elsewhere, or, if more convenient for you, US$2.25.

Incidentally, if you have created any software of use to someone using TeX on an IBM PC, I would be most interested in hearing about it if you are willing to give me permission to distribute it.

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Public Domain TeX for the Mac

Andrew Trevorrow

OzTeX 1.0 is a public domain version of TeX for the Macintosh. It aims to provide a standard TeX environment that can be easily extended or customized. People with access to TeX on some other computer should feel right at home using OzTeX, particularly those who use PSPRINT and DVItoVDU on a VAX/VMS or UNIX mainframe.

A brief description

Here's a quick look at OzTeX's major features:

- The complete distribution requires ten 800K disks. Five of these are full of PK files (for a 300dpi write-black laser printer such as the Apple LaserWriter). Another two disks contain the entire source code. OzTeX is written in Modula-2 under MPW (Macintosh Programmer's Workshop).
- The OzTeX application includes TeX (actually INITeX so users can create their own format files), a DVI page previewer and a PostScript driver that can send output to the current printer or to a text file.
- The three most popular formats are supplied: Plain, LaTeX and AMS-TeX.
- OzTeX reads standard TFM and PK files and reads and writes standard DVI files.
- The previewer can cope with just about any DVI file you're ever likely to create, including those generated by another TeX system. Have you ever wondered what trip.dvi (the DVI file created by Knuth's trip test) looks like?
- The application includes a Help menu which you can easily extend or modify.
- A configuration file is read when starting up and controls much of OzTeX's default behaviour. This simple text file can be edited to suit your particular requirements. Some of the parameters you can specify include the printer resolution, the paper dimensions, a list of the formats that appear in the TeX menu, and a list of all TFM file names for printer-resident PostScript fonts.
- A 22-page user guide is supplied, including its LaTeX source. By the time you read this article I should also have finished a system guide aimed at programmers who'd like to modify OzTeX.

It's not all good news however. There is still plenty of room for improvement: