Request for Information

The \TeX{} Users Group maintains a database and publishes a membership list containing information about the equipment on which \TeX{} is (or will be) installed and about the applications for which \TeX{} is used. This list is updated periodically and distributed to members with TUGboat, to permit them to identify others with similar interests. Thus, it is important that the information be complete and up-to-date.

Please answer the questions below, in particular those regarding the status of \TeX{} and the hardware on which it runs. (Operating system information is particularly important in the case of IBM mainframes and VAX.) This hardware information is used to group members in the listings by computer and output device.

If accurate information has already been provided by another TUG member at your site, indicate that member’s name and the same information will be repeated automatically under your name. If your current listing is correct, you need not answer these questions again. Your cooperation is appreciated.

Send completed form with remittance (checks, money orders, UNESCO coupons) to:
\TeX{} Users Group
P. O. Box 594
Providence, Rhode Island 02901, U.S.A.

For foreign bank transfers direct payment to the \TeX{} Users Group, account #002-031375, at:
Rhode Island Hospital Trust National Bank
One Hospital Trust Plaza
Providence, Rhode Island 02903-2449, U.S.A.

General correspondence about TUG should be addressed to:
\TeX{} Users Group
P. O. Box 9506
Providence, Rhode Island 02940-9506, U.S.A.

Name: ________________________________________
Home [ ] Bus. [ ] Address: _______________________

QTY ITEM AMOUNT

1989 TUGboat Subscription/TUG Membership (Jan.–Dec.) – North America
New (first-time): [ ] $35.00 each
Renewal: [ ] $45.00; [ ] $35.00 – reduced rate if renewed before February 1, 1989

1989 TUGboat Subscription/TUG Membership (Jan.–Dec.) – Outside North America
New (first-time): [ ] $45.00 each
Renewal: [ ] $50.00; [ ] $45.00 – reduced rate if renewed before February 1, 1989

Circle volume(s) desired: vol.1 vol.2 vol.3 vol.4 vol.5 vol.6 vol.7 vol.8 vol.9
Indiv. issues $18.00 ea. $18 $35 $35 $35 $35 $50 $50 $50 $50

Air mail postage is included in the rates for all subscriptions
and memberships outside North America.
Quantity discounts available on request.

TOTAL ENCLOSED: ____________________________
(Prepayment in U.S. dollars required)

Membership List Information

Institution (if not part of address): ________________________________
Title: _______________________________________________________
Phone: _______________________________________________________
Network address: _____________________________________________
[ ] Arpanet [ ] BITnet
[ ] CSnet [ ] uucp
[ ] JANET [ ] other

Specific applications or reason for interest in \TeX{}:
My installation can offer the following software or technical support to TUG:

Please list high-level \TeX{} users at your site who would not mind being contacted for information; give name, address, and telephone.

Date: _______________________________________________________

Status of \TeX{}: [ ] Under consideration
[ ] Being installed
[ ] Up and running since: __________
Approximate number of users: ________

Version of \TeX{}:
[ ] Pascal
[ ] C
[ ] other (describe)
From whom obtained: ___________________________________________

Hardware on which \TeX{} is used:
Computer(s) Operating system(s) Output device(s)
_________________________ ___________________________ ___________________________
_________________________ ___________________________ ___________________________
_________________________ ___________________________ ___________________________
_________________________ ___________________________ ___________________________

Revised 10/88
ArborText introduces $\TeX$ for the HP 9000, Series 300 workstations.

The new release includes the $\TeX$ Package, Preview for the X Window System, DVILASER for PostScript and HP printers.

COMING SOON

- Improved DVILASER/PS with expanded support for Encapsulated PostScript®

- X11 versions of Preview for Sun and Apollo workstations

- Enhanced $\mu\TeX$ with support for extended or expanded memory

COMMITTED TO THE FUTURE

535 West William Street, Suite 300, Ann Arbor, MI 48103 • (313) 996-3566 • FAX (313) 996-3573

Apple is a trademark of Apple Computer, Inc. HP 9000 is a trademark of Hewlett-Packard Corp. PostScript is a registered trademark of Adobe Systems, Inc. Sun is a trademark of Sun Microsystems, Inc. GTM is a trademark of the American Mathematical Society. The X Window System is a trademark of the Massachusetts Institute of Technology.
TEX Users

Take Note....

Computer Composition Corporation offers the following services to those who are creating their technical files using TEX:

- Convert your DVI files to fully paginated typeset pages on our APS-5 phototypesetters at 1400 dpi resolution.
- Files can be submitted on magnetic tape or PC diskettes.
- Provide 300 dpi laser-printed page proofs which simulate the typeset page. (Optional service $1.50 per page)
- Macro writing and keyboarding from traditionally prepared manuscripts in several typeface families via the \TeX processing system. Send us your manuscript for our review and quotation.
- Full keylining and camera work services, including halftones, line art, screens and full-page negatives or positives for your printer.
- Quick turnaround (usually less than 48 hours!) on customer supplied DVI files of 500 typeset pages or less.
- From DVI files: first 100 typeset pages at $4.75 per page; 100 pages and over at $3.50 per page. Lower prices for slower turnaround service.

For further information and/or a specific quotation, call or write Frank Frye or Tim Buckler

COMPUTER COMPOSITION CORPORATION
1401 West Girard Avenue • Madison Heights, MI 48071
(313) 545-4330 FAX (313) 544-1611
— Since 1970 —
TEX Device Interfaces for VMS

PostScript

LaserJet

LN03

Northlake Software
812 SW Washington, Suite 1100
Portland, Oregon 97205 USA
503-228-3383 fax 503-228-5662

The VMS TEX specialists
Send us your \TeX\ DVI files and we will typeset your material at 2000 dpi on quality photographic paper — $2.50 per page!

Choose from these available fonts: Computer Modern, Bitstream Fontware™, and any METAFONT fonts. (For each METAFONT font used other than Computer Modern, $15 setup is charged. This ad was composed with PCT\TeX\® and Bitstream Dutch (Times Roman) fonts, and printed on RC paper at 2000 dpi with the Chelgraph IBX typesetter.)

And the good news is: just $2.50 per page, $2.25 each for 100+ pages, $2.00 each for 500+ pages! Laser proofs $.50 per page. ($25 minimum on all jobs.)

Call or write today for complete information, sample prints, and our order form. TYPE 2000, 16 Madrona Avenue, Mill Valley, CA 94941. Phone 415/388-8873.
Public Domain T\TeX

The authorized and current versions T\TeX software are available from Maria Code - Data Processing Services by special arrangement with Stanford University and other contributing universities. The standard distribution tape contains the source of T\TeX and \texttt{METAFONT}, the macro libraries for AM\TeX, L\ATEX, Sli\TeX and HP T\TeX, sample device drivers for a Versetec and LN03 printers, documentation files, and many useful tools.

Since these are in the public domain, they may be used and copied without royalty concerns. They represent the official versions of T\TeX. A portion of your tape cost is used to support development at Stanford University.

If you have a DEC VAX/VMS, IBM CMS, IBM MVS or DEC TOPS operating system, you will want to order a special distribution tape which contains "ready-to-run" T\TeX and \texttt{METAFONT}. If you do not have one of these systems, you must perform a more involved installation which includes compiling the source with your Pascal compiler. Ready-to-run versions of T\TeX are available for other systems from various sources at various prices. You may want to examine these before ordering a standard distribution tape.

The font tapes contain GF files for the Computer Modern fonts. While it is possible to generate these files yourself, it will save you a lot of CPU time to get them on tape.

All systems are distributed on 9 track, 1600 bpi magnetic tapes. If both a distribution tape and a font tape are ordered, they may be combined on a single 2400' reel, space permitting.

Your order will be filled with the current versions of software and manuals at the time it is received. If you want a specific version, please indicate that on your order.

Please use the form on the next page for your order. Note that postage, except domestic book rate is based on the item weights in pounds. If you want to place your order by telephone, please call (408) 735-8006 between 9:00 am and 2:00 pm West Coast time. Do not call for technical assistance since no one there can help you.

We normally have a good stock of books and tapes, so your order can be filled promptly — usually within 48 hours.

Make checks payable to Maria Code - Data Processing Services. Export orders must have a check drawn on a US bank or use an International Money Order. Purchase orders are accepted.
**TeX Order Form**

**TeX Distribution tapes:**
- Standard ASCII format
- Standard EBCDIC format
- Special VAX/VMS format Backup
- Special DEC 20/TOPS 20 Dumper format
- Special IBM VM/CMS format
- Special IBM MVS format

Tape prices: $92.00 for first tape, $72.00 for each additional tape.

**Font Library Tapes (GF files)**
- 300 dpi VAX/VMS format
- 300 dpi generic format
- IBM 3820/3812 MVS format
- IBM 3800 CMS format
- IBM 4250 CMS format
- IBM 3820/3812 CMS format

**Total number of tapes**
Postage: allow 2 lbs. for each tape

**Documents:**

<table>
<thead>
<tr>
<th>Document</th>
<th>Price</th>
<th>Weight</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>T\textsc{e}X book (vol. A) softcover</td>
<td>27.00</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>T\textsc{e}X: The Program (vol. B) hardcover</td>
<td>40.00</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>META\textsc{f}ONT softcover</td>
<td>22.00</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>META\textsc{f}ONT: The Program (vol. D) hardcover</td>
<td>40.00</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Computer Modern Typefaces (vol. E) hardcover</td>
<td>40.00</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>\textsc{t} \textsc{e} \textsc{x} \textsc{p} document preparation system</td>
<td>27.00</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>WEB language</td>
<td>12.00</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>T\textsc{e}X\textsc{w}are</td>
<td>10.00</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Bib\textsc{t} \textsc{e} \textsc{x}</td>
<td>10.00</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Torture Test for T\textsc{e} \textsc{x}</td>
<td>8.00</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Torture Test for META\textsc{f}ONT</td>
<td>8.00</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>META\textsc{f}ONT\textsc{w}are</td>
<td>15.00</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Metamarks</td>
<td>15.00</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

* published by Stanford University

**Payment calculation:**

Number of tapes ordered  
Number of documents ordered  
Total price for tapes  
Total price for documents  
Add the 2 lines above  
Orders from within California: Add sales tax for your location.

**Shipping charges:** (for domestic book rate, skip this section)

Total weight of tapes and books  lbs.

- Check  
- One  

- domestic priority mail  rate $1.50/lb.
- air mail to Canada and Mexico:  rate $2.00/lb.
- export surface mail (all countries):  rate $1.50/lb.
- air mail to Europe, South America:  rate $5.00/lb.
- air mail to Far East, Africa, Israel:  rate $7.00/lb.

Multiply total weight by shipping rate. Enter shipping charges:  

**Total charges:** (add charges for materials, tax and shipping)  

Send to: Maria Code, DP Services, 1371 Sydney Drive, Sunnyvale, CA 94087.  
Include your name, organization, address, and telephone number.

Are you or your organization a member of TUG?
Stocking Stuffers From Personal \TeX.

Get a 20% Discount on all orders placed before Jan. 10, 1990!

**PTIJET FOR HP DESKJET.** Full featured printer driver for HP DeskJet, PLUS. Laser quality output. $119

**PC\TeX\* + PTILASER + PTIVIEW.** \TeX\*82, Version 2.9: professional formatting and typesetting results— for amateur prices. Includes INIT\TeX, \LaTeX, AMS-\TeX, VANILLA Macro Pak, PC\TeX\* and \LaTeX\* manuals. Plus a PTILaser device driver, to take full advantage of your laser printer. Top performance and low cost make this our most popular package. $499

**PTILASER POSTSCRIPT.** Device driver for PostScript printer; allows the resident fonts and graphic images to be used in \TeX\* in documents. $195

**PTI LASER INTERFACE Package.** Software to generate Bitstream outline fonts at any size. (The Interface is necessary to use Bitstream fonts. Fonts are not included—order below) $95

**PTI LASER INTERFACE WITH SWISS or DUTCH.** Same as above but includes your choice of either Swiss or Dutch at a special bundled price $179

**PTIVIEW.** Now get the viewer that was designed to take full advantage of PC\TeX\* It works with all fonts, drivers and graphics cards, plus it contains many useful Zoom features! $139

**THE \TABLE MACRO Package.** Written by Michael Wichura of PC\TeX fame is a must for generating complex tables. This program is supported by a well-written manual and complete installation guide. $79

**PERSONAL \TEX INC.**

To order, just dial (415) 388-8853

12 Madrona Avenue  Mill Valley, CA 94941  FAX: (415) 388-8865  VISA, MC accepted.

Requires: DOS 2.0 or later, 512K RAM, 10M hard disk. \TeX\* is an American Mathematical Society TM. PC\TeX\* is a Personal \TeX, Inc. TM. Manufacturers' names are their TMs. Outside the USA, order through your local PC\TeX distributor. Inquire about available distributorships and site licenses. This ad was produced using PC\TeX and Bitstream fonts.
Publishing Companion translates WordPerfect to \TeX

It doesn’t take a \TeXpert to use \TeX.

With Publishing Companion, you can publish documents using \TeX with little or no \TeX knowledge. Your WordPerfect files are translated into \TeX files, so anyone using this simple word processor can immediately begin typesetting their own documents!

And now, K-Talk introduces Publishing Companion version 2.0, which translates WordPerfect 5.0 files into \TeX.

Other word processors are supported using Mastersoft’s WordForWord file conversion utility, $70.

<table>
<thead>
<tr>
<th>Special Introductory Offer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retail Price</td>
</tr>
<tr>
<td>Academic Discount Price</td>
</tr>
<tr>
<td>Introductory Price</td>
</tr>
</tbody>
</table>

This offer good until January 31, 1990. Upgrade from Publishing Companion v.1.XX is $49.

For the power of \TeX with the ease of a word processor, Publishing Companion is your “best friend” for desktop publishing.

For more information or to place an order, call or write:

K-TALK
COMMUNICATIONS
50 McMillen Ave
Columbus, Ohio 43201
(614) 294-3535

DESKTOP PUBLISHING HAS NEVER BEEN SIMPLER
AND WILL NEVER BE THE SAME
TurboTeX: Typesetting Software Including METAFONT

- Executables $150
- With source $300

TurboTeX Release 2.0 software offers you a complete typesetting package based on the TeX 2.95 and METAFONT 1.7 standards: preloaded plain TeX, LATEX, INITEX, VERTEX, and plain METAFONT interfaced to CGA/EGA/VGA/Hercules graphics; TRIP and TRAP certification; Computer Modern and I4T fonts, and printer drivers for HP LaserJet Plus/Series II, Postscript, and dot-matrix printers. New features in the HP LaserJet driver put PCX or TIFF graphics files directly into your TeX documents. This wealth of software fills over 10 megabytes of diskettes, and runs on your IBM PC, UNIX, OS/2, or VAX/VMS system.

**Power Features:** TurboTeX brings big-machine performance to your small computer. TurboTeX breaks the 640K memory barrier under MS-DOS on the IBM PC with our virtual memory sub-system. You'll have the same sized TeX that runs on multi-megabyte mainframes, with plenty of memory for large documents, complicated formats, and demanding macro packages that break other TeX implementations. On larger computers, TurboTeX runs up to 3 times faster in less memory than the Stanford Pascal distribution.

**Source code:** Order the TurboTeX source in portable C, and you will receive more disks with over 85,000 lines of generously commented TeX, TurboTeX, METAFONT, and printer driver source code, including: our WEB system in C; PASCAL, our proprietary Pascal-to-C translator; and preloading, virtual memory, and graphics code. TurboTeX meets C portability standards like ANSI and K&R, and is robustly portable to a growing family of operating systems.

**TeX-FAX:** Connects TeX to the FAX revolution. Send perfect TeX output instantly, anywhere, without scanning. With TeX-FAX, any FAX machine in the world becomes your output device! Complete with PC board and software for $395 (4800 bps) or $795 (9600 bps).

**Desktop Publishing Interface Option:** Converts TeX output (such as equations or tables) for direct use in programs like Ventura Publisher and Fagemaker. ($50 for PC).

**Availability & Requirements:** TurboTeX executables for IBM PC's include the User's Guide and require 640K and hard disk. Order source code (includes Programmer's Guide) for other machines. Source compiles with Microsoft C 5.0 or later on the PC; other systems need 1 MB memory and a C compiler supporting UNIX standard 1/0. Media is 360K 5-1/4" PC floppy disks; other formats at extra cost.

**No-risk trial offer:** Examine the documentation and run the PC TurboTeX for 10 days. If you are not satisfied, return the software for a 100% refund or credit. (Offer applies to PC executables only.)

**Ordering TurboTeX**
Order by phone, FAX, or mail. Terms: Check with order (free media and ground shipping in US), VISA, Mastercard (free media, shipping extra); Net 30 to well-rated firms and public agencies (shipping and media extra). Discounts available for quantities or resale. Ask for the free, 50-page Buyer's Guide.

The Kinch Computer Company
PUBLISHERS OF TURBOTEX
501 South Meadow Street
Ithaca, New York 14850
Telephone (607) 273-0222
FAX (607) 273-0484
The Joy of \TeX

A Gourmet Guide to Typesetting with the \AMSTeX macro package

M. D. SPIVAK, Ph.D.

The Joy of \TeX is the user-friendly user's guide for \AMSTeX, an extension of \TeX, Donald Knuth's revolutionary program for typesetting technical material. \AMSTeX was designed to simplify the input of mathematical material in particular, and to format the output according to any of various preset style specifications.

There are two primary features of the \TeX system: it is a computer system for typesetting technical text, especially text containing a great deal of mathematics; and it is a system for producing beautiful text, comparable to the work of the finest printers.

Most importantly, \TeX's capabilities are not available only to \TeXperts. While mathematicians and experienced technical typists will find that \TeX allows them to specify mathematical formulas with great accuracy and still have control over the finished product, even novice technical typists will find the manual easy to use in helping them produce beautiful technical \TeXt.

This book is designed as a user's guide to the \AMSTeX macro package and details many features of this extremely useful text processing package. Parts 1 and 2, entitled "Starters" and "Main Courses," teach the reader how to typeset most normally encountered text and mathematics. "Sauces and Pickles," the third section, treats more exotic problems and includes a 60-page dictionary of special \TeXniques.

Exercises sprinkled generously through each chapter encourage the reader to sit down at a terminal and learn through experimentation. Appendixes list summaries of frequently used and more esoteric symbols as well as answers to the exercises.

---

**PREPAYMENT REQUIRED.** Order from American Mathematical Society P. O. Box 1571 Annex Station Providence, RI 02901-1571 or call 800-556-7774 to use VISA or MasterCard.

Prices subject to change.
Updated TeX Products

**AMS-\TeX** Version 2.0 (Available January 1990)

AMS-\TeX, the TeX macro package that simplifies the typesetting of complex mathematics, has been updated to version 2.0. AMS-\TeX is intended to be used in conjunction with AMSFonts 2.0 (see below). However, if the purchaser does not need the extra symbols and Euler characters found in AMSFonts, AMS-\TeX can be run without AMSFonts. (AMS-\TeX 2.0 cannot be used with previous versions of AMSFonts.) AMS-\TeX is available on IBM or Macintosh diskettes—either format may be uploaded to many mainframe computers.

**AMSFonts Version 2.0** (Available January 1990)

AMSFonts 2.0 are designed either for use with AMS-\TeX 2.0, or for use with Plain \TeX. (AMSFonts 2.0 cannot be used with previous versions of AMS-\TeX.) There will be two distributions of fonts: one that can be used on PC’s as well as mainframes, and one that can be used on a Macintosh with Textures. The fonts that will be included on these distributions are:

<table>
<thead>
<tr>
<th>Font Name</th>
<th>Description</th>
<th>Point Sizes</th>
<th>Font Name</th>
<th>Description</th>
<th>Point Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMSC</td>
<td>CM Caps and Small Caps</td>
<td>8-9*</td>
<td>MSAM</td>
<td>Symbols</td>
<td>5-10</td>
</tr>
<tr>
<td>CMMIB</td>
<td>CM Math Italic Boldface</td>
<td>5-9*</td>
<td>MSBM</td>
<td>Symbols (w/Blackboard Bold)</td>
<td>5-10</td>
</tr>
<tr>
<td>CBMSY</td>
<td>CM Bold Symbols</td>
<td>5-9*</td>
<td>WNCYR</td>
<td>Cyrillic Upright</td>
<td>5-10**</td>
</tr>
<tr>
<td>EURB</td>
<td>Euler Cursive Boldface</td>
<td>5-10</td>
<td>WNCYI</td>
<td>Cyrillic Italic</td>
<td>5-10**</td>
</tr>
<tr>
<td>EURM</td>
<td>Euler Cursive Medium</td>
<td>5-10</td>
<td>WNCYB</td>
<td>Cyrillic Boldface</td>
<td>5-10**</td>
</tr>
<tr>
<td>EUBF</td>
<td>Euler Fraktur Boldface</td>
<td>5-10</td>
<td>WNCYSC</td>
<td>Cyrillic Caps and Small Caps</td>
<td>10**</td>
</tr>
<tr>
<td>EUFM</td>
<td>Euler Fraktur Medium</td>
<td>5-10</td>
<td>WNCYSS</td>
<td>Cyrillic Sans Serif</td>
<td>8-10**</td>
</tr>
<tr>
<td>EUSB</td>
<td>Euler Script Boldface</td>
<td>5-10</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EUSM</td>
<td>Euler Script Medium</td>
<td>5-10</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* 10 point is included in the standard TeX distribution.

** Developed by the University of Washington

AMSFonts for PC or mainframe

- Font Resolution: 118, 180, 240, 300, 400 dpi (one resolution per order).
- Magnification: All the standard TeX magnifications will be included. The standard magnifications are: 100, 109.5, 120, 144, 172.8, 207.4, and 248.8%.
- Format: Available on both 3.5" and 5.25" diskettes, in either high or low density (the default will be 5.25", high density).

AMSFonts for use on a Macintosh with Textures

- Font Resolution: 72, 144, and 300 dpi (all resolutions included in each order).
- Magnification: The standard distribution will include fonts at 100% and 120%. An extended distribution, which will contain all the standard TeX magsteps, will also be available.
- Format: The Macintosh fonts will be available on double-sided double-density 3.5" diskettes.

**PRICES:**

- AMS-\TeX: List $30, AMS member $27
- AMSFonts: List $45, AMS member $41
- AMS-\TeX and AMSFonts: List $65, AMS member $59

Shipping and handling: $8 per order in the US and Canada, $15 elsewhere.

**HOW TO ORDER:** Prepayment is required. Free upgrades are available for those who have purchased previous versions. When ordering AMSFonts for the PC, specify desired resolution, diskette size, and diskette density.

For more information: Call the AMS at (401) 272-9500, or (800) 556-7774 in the continental U.S. or write to: \TeX Library, American Mathematical Society, P.O. Box 6248, Providence, RI 02940.
TEX Plus

TEX Plus provides a quality TEX environment for PCs and compatibles at an unbeatable price. TEX Plus includes:

TEXWRITE: a specially designed editor/interface with TEX related functions, multiple file handling, access to TEX and drivers from within the editor, and more.

CTEX: a full implementation of TEX version 2.98 that includes virtual memory support to enable you to run your favorite macro package in a minimum of RAM.

TEXPRINT drivers: device drivers for the HP LaserJet Plus/Series II and PostScript printers with features that include landscape printing, support for native fonts, font conversion utilities and more, from a menu-driven interface.

For more information or to place an order contact:

In Canada:
Micro Publishing Systems, Inc.,
1273 Clyde Avenue,
West Vancouver, B.C., V7T 1E6
(604) 926-0500

In the United States:
Oregon House Software,
12894 Rices Crossing Road,
Oregon House, CA 95962
(916) 692-1377

Also available from the TEX Users Group.
Clients include:

**MacroTeX:**
Publishing Companies,
Research Labs,
Academic Departments,
TeX Users world-wide.

**Macro Writing for Publishing:**
Addison-Wesley
MIT Press
Brooks-Cole/Wadsworth
Prentice-Hall
Academic Press
John Wiley and Sons
Pronk and Associates

**Macro Writing for Technical Documents:**
Shell Research
American Physical Society
Technical Typesetting

**Macro Writing for Software Companies:**
Alpha Software
Cytel Software
Intermetrics Corp.
Saddlebrook Corp.
Grass Valley Group
Technical Support Software

**TeX-PostScript Interactive Macros:**
MIT Press, Addison-Wesley

**Teaching TeX:**
Beginning, Intermediate and Advanced Macro Writing;
DEC, MIT, TUG, NCAR.

---

**Maximum flexibility**

- Style files: Generic, Book, Report, Software Documentation, Letter and Note style, each notated and easily adapted to your design.
- Macros to help form your own font families, including PostScript font families.
- Modular format. Separate files are used for separate functions: listing macros, tables macros, or indexing macros, for example, are called in only when needed.
- All or portions of MacroTeX may be added to existing macro files.
- Source code included.

**Minimum hassle**

- All the features you need for document preparation:
  - Table of Contents, List of Figures, List of Tables generation
  - Multilevel headline and footline, Modular page numbering
  - Section heads, Cross-referencing, Listing
  - Complete table macros, including tables that continue across pages
  - Figure, Table and Program Captions
  - Partial page figure that text will wrap around
  - Theorem environments, Left-justified equations
  - Verbatim that continues across pages, Screen Simulation
  - Bibliography, Glossary, Index generation and formatting
  - Utilities: Margin control, Footnotes and Endnotes, Diagonal lines, Drop Caps, Margin notes, Mailing labels, Font charts...
  - Slides

---

Single User: $200, Site Licenses Available.

Coming soon: **Post-Tex**, our new TeX-PostScript package that passes information from PostScript to TeX to insert encapsulated PostScript graphics. It passes information from TeX to PostScript to position grey screens behind code examples, highlight screen simulations, and position a grey screen in a particular table column entry, as well as and other useful TeX-PostScript macros. Post-TeX works with both TeX and LaTeX.

---

**TEXnology Inc.**

Amy Hendrickson

57 Longwood Avenue, Brookline MA 02146

617 / 738-8029

**TeX, LaTeX, and PostScript Consulting**
Retain all the advantages of \TeX and

- Save megabytes of storage.
- Instantly generate any font in any size in any variation (5–70 points).
- Automatically create compressed, slanted, smallcaps, outline or shaded fonts.
- Use either CM-compatible Vector fonts or MicroPress professional typefaces, including Tempo-Roman, Avon Guard, Helvetto,...

Includes the \VTeX typesetter, 10 instantly scalable typefaces, VVIEW (arbitrary magnification on EGA, CGA, VGA, Hercules, AT&T,...), VLASER (HP LaserJet), VPOST (PostScript), VDOT(Epson, Panasonic, NEC, Toshiba, Pro-printer, Star, Deskjet) and manuals.

**List price .... $399 Introductory offer .... $249**


\VTeX is a trademark of MicroPress Inc.

Other products are trademarks of respective companies.

This ad was typeset by \VTeX using scalable fonts on a LaserJet.
Announcement and Call for Participation
Electronic Publishing '90
International Conference on Electronic Publishing, Document Manipulation, and Typography
September 18–20, 1990
National Institute of Standards and Technology
Gaithersburg, MD (Washington, DC area)

EP90, the third in a series of international conferences, will bring together researchers in the areas of electronic publishing, document manipulation, and typography. Our definition of "electronic publishing," encompasses all aspects of computer-assisted preparation, presentation, transmittal, storage, and retrieval of linear and non-linear documents. It includes the design of the related computer systems, the design of their components, and the theory that underlies such systems. Careful presentation of important earlier results inadequately described in the open literature also is appropriate. Papers should present previously unpublished original research results and should be supported by experience. Guidelines for the exhibition of commercial and research systems are available from the conference address.

Specific topic list:
- Document preparation systems: design, concepts, experience, theoretical and algorithmic foundations
- Document component identification and manipulation.
- Hypertext systems, particularly those that provide insights on the characteristics of these systems.
- Font design and use: design and evaluation of computer-based tools, techniques and goals, visual issues.
- Representations specialized for electronic display: fonts, presentations, etc.
- Graphics and document illustration.
- Page description languages.
- Critical analyses of proposed and established international standards. Experience with standards.
- Managing the complexities introduced by scale. Scaling up to large documents.
- Distributed document manipulation systems (in the sense of distributed processing).
- Specialized documents (e.g., catalogs, programs, manuals, & proposals). Do they differ from generic documents?
- Text and document recognition (recognition of physical and/or logical structure from a printed document).
- Heterogeneous target reader populations (e.g., multi-lingual).
- Application of database technology to document preparation.
- Integration of documentation tools with other tools, e.g., CASE, CAD-CAM.

We request seven copies of full papers (in English), limited to the equivalent of ten pages, 10 point on 12.

Conference Address:
Lawrence A. Welsch/EP90
Building 225, Room B252
National Institute of Standards and Technology
Gaithersburg, MD U.S.A. 20899
Telephone: (301) 975-3345 (8:30–5:00 U.S. Eastern Time)
Electronic mail: ep90@asl.ncsl.nist.gov

Important dates:
January 31, 1990: full papers due
April 1, 1990: acceptance notification
May 15, 1990: final paper due
September 18–20, 1990: EP90

Co-sponsored by ACM (pending), EPSIG/American Association of Publishers, University of Maryland, Xerox PARC
The American Mathematical Society can offer you a basic \TeX{} publishing service. You provide the DVI file and we will produce typeset pages using an Autologic APS Micro-5 phototypesetter. The low cost is basic too: only $5 per page for the first 100 pages; $2.50 per page for additional pages, with a $30 minimum. Quick turnaround is important to you and us ... a manuscript up to 500 pages can be back in your hands in just one week or less.

As a full service \TeX{} publisher, you can look to the American Mathematical Society as a single source for all your publishing needs.

For more information or to schedule a job, please contact Regina Girouard, American Mathematical Society, P.O. Box 6248, Providence, RI 02940 or call 401-272-9500 or 800-556-7774 in the continental U.S.

**DeskJet driver for \TeX{}**

With The Toolsmith’s DVI driver and the Hewlett-Packard DeskJets you get:

- Print Quality—the precision of laser printers (300 dpi) without the price.
- Speed—with downloaded fonts, \( \approx 1 \) page per minute on a DeskJet, faster on a Plus.
- Quiet—non-impact printing and no fan.

You are only limited by the page size and your TEXpertise. $100 for the DeskJet DVI driver (shipping and any sales tax included). To order or for more information, call or write:

**The Toolsmith**

P.O. Box 5000

Davis, CA 95617

(916) 753-5040

Requires IBM PC or compatible, hard disk, 512K or more RAM, and MS-DOS 2.11 or later. This ad, including the logo, was created on a DeskJet with \TeX{} and METRFONT.

**THE WRITE STUFF, TECHNICALLY SPEAKING**

\TeX{} is the write stuff

\TeX{} is the powerful publishing system that is guaranteed to make any document you write easier to read... and guaranteed to make that document say the right stuff about you!

Micro Programs, Inc. is your source for \TeX{} and related ArborText products for IBM PC and Sun workstations.

Call Bob Harris on (516) 921-1351 and get the name of the dealer nearest you.

MICRO PROGRAMS, INC.

251 JACKSON AVENUE

SYOSSET

NY 11791
Integrated Computer Software, Inc
Stephan v. Bechtolsheim

\text{T\textsc{e}X} Related Services:
- Macro package design
- Specialized output routines
- Training
- Consulting

\text{dvi2dvi} Processor:
- Contact me for further details.
- See also article in this issue.

\text{POST\textsc{sc}R\textsc{t}T} Related Services:
- Programming and Training

\text{X} Window System Programming

\text{2119 Old Oak Drive}
\text{West Lafayette, IN 47906}
\text{(317) 463 0162}

\text{T\textsc{e}X} in Practice” (Springer Verlag)
- Comprehensive book on \text{T\textsc{e}X}, 1100 pages, to be published in March of 1990.

\text{T\textsc{e}X} \text{P\textsc{s}} Software Package

\text{NeWS} Programming

Index of Advertisers

454–5,460 American Mathematical Society
445 ArborText
cover 3 Blue Sky Research
446 Computer Composition
459 EP’90
449–50 DP Services
461 Integrated Computer Software, Inc.
452 K-Talk Communications
453 Kinch Computer Company
460 Micro Programs, Inc.
456 Micro Publishing Systems, Inc.
447 Northlake Software
451 Personal \text{T\textsc{e}X} Inc.
462 \text{T\textsc{e}X} Users Group
457 \text{T\textsc{e}X}nology, Inc.
460 The Toolsmith
448 Type 2000
458 Vector\text{T\textsc{e}X}
TEX USERS GROUP

Have you ever wished you knew how to use the full potential ofTEX or LATEX properly?

Can't get away to take a course? Let us help you!
Here's your opportunity to learn more about TEX.

If you know of six to fifteen individuals interested in learning more about TEX or LATEX, we'll come to you!* Check around your own organization; check with other organizations in your locality. (If you have less than six, let us know; we may be able to combine two or more small groups.)

NAME OF CONTACT/TELEPHONE:

<table>
<thead>
<tr>
<th>Names of individuals interested in courses</th>
<th>Dept./Co.</th>
<th>Level of Instruction</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Please check one:

[ ] We have a training facility equipped with computer terminals, PC’s or Macs.

[ ] We do not have a training facility.

Notes:
 completion of this inquiry does not obligate you in any way.
Fees will vary depending on the course offered and the number of participants.

Some of the courses we offer are:

- TEX: all levels, macro writing, output routines, wizard
- LATEX: all levels, style files
- METAFONT
- PostScript

If you would like to have detailed descriptions of the courses we offer or need additional information, contact Charlotte Laurendeau at the TUG office:

P. O. Box 9506
Providence, RI 02940, U.S.A.
401-751-7760

In addition to having conducted these courses over the past several years throughout the U. S. and Europe as part of our Regional Course program, we have offered courses on-site for a number of organizations, including:

American Mathematical Society,
Beckman Instruments, Inc.,
Brookhaven National Lab,
Digital Equipment Corp.,
Digital Equipment Corp. (England),
Institute for Advanced Study (Princeton),
Lawrence Livermore National Lab,
Lawrence Berkeley National Lab,
Los Alamos National Lab,
Rutgers University,
Science Applications (Las Vegas),
University of Delaware,
University of Washington, and
Woods Hole Oceanographic Institute.

In many cases TUG has conducted several different courses for each these organizations, especially Los Alamos National Lab, where more than two dozen courses at all levels of TEX and LATEX have been conducted since 1985.

*Based on availability of a properly equipped training facility.