Laser printer drivers available for MicroTEX™!

MicroTEX can now be used with a screen previewer!

In response to requests from MicroTEX users, Addison-Wesley will distribute a number of products from Textset, Inc. of Ann Arbor, Michigan. These products will include TEX™ Preview as well as a number of laser printer drivers, including PostScript™, Imagen™ and QMS Lasergraphix™ series printers.

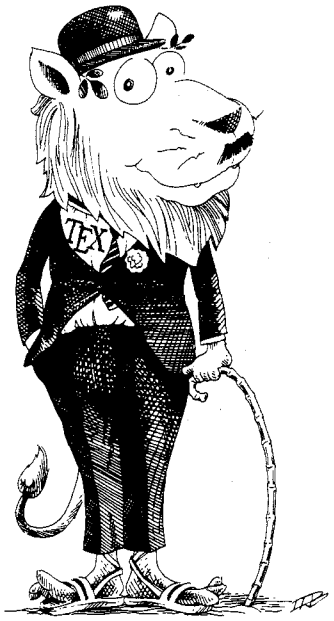
Configurations needed for screen previewer:
* HERCULES Graphics Card™ * IBM™ PC/XT or AT

The Postscript driver makes it possible to use MicroTEX with the following devices:

* Apple LaserWriter™
* QMS 800 and 2400
* Diconix Dijit 2
* Apollo DOMAIN/Laser26
* Sun LaserWriter

In addition to the driver for the IBM and Epson dot matrix printers bundled with MicroTEX, Addison-Wesley now has available a driver for the Toshiba™ dot matrix printer. The speed of the Toshiba printer makes it ideal for small-scale technical projects.

Site licenses for MicroTEX and all Educational Media Systems Division products available.
Call for further information.



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This was produced with MicroTEX and an Apple LaserWriter with a PostScript driver.

MicroTEX Order Form

☐ Yes, please send me:

☐ MicroTEX	$495	☐ Imagen Driver	$200
☐ Toshiba Driver	100	☐ QMS Lasergraphix Driver	200
☐ PostScript Driver	300	☐ TEX Preview	250

☐ My check is enclosed (Orders paid by check will be shipped free of charge.)
☐ Visa ☐ MasterCard (Interbank#_____) ☐ American Express

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☐ Please bill my company. Your company order form and P.O. number must accompany your order. Thank you.

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Telephone(____) _____ Ext._____ Best time to call_____

☐ I am interested in MicroTEX, but have questions. Please call me.
☐ Please keep me informed about all MicroTEX developments and related products. 35184

Send your order to:

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Reading, MA 01867
(617) 944-3700 ext. 2677

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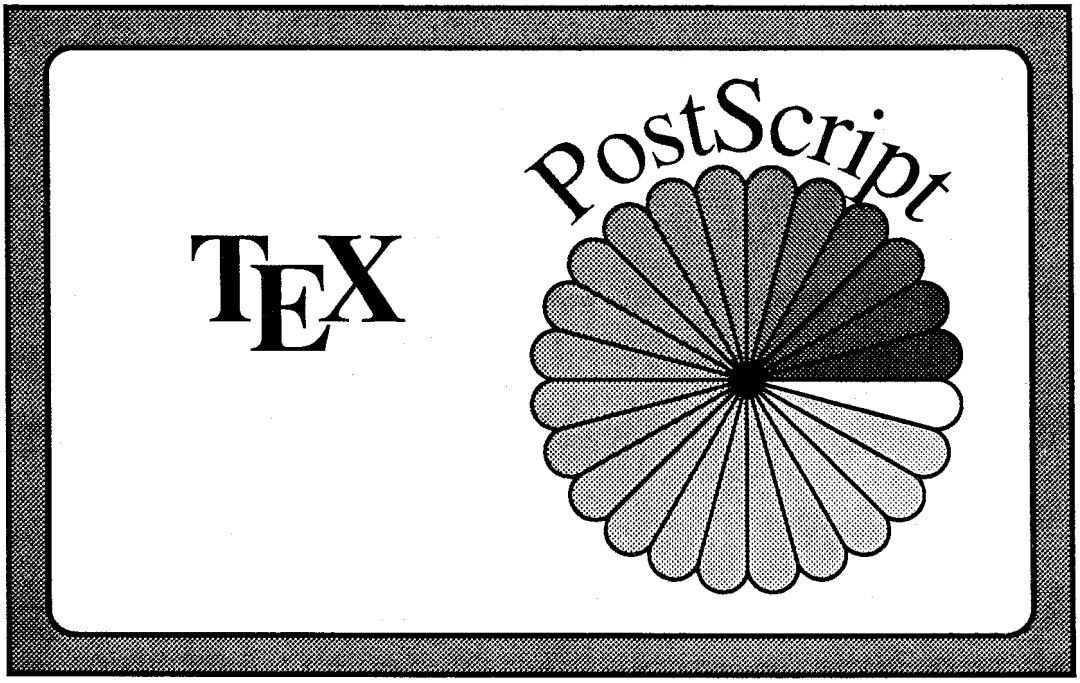

Announcing New VAX/VMS Software

TEXTSET's TEX Preview is being ported to the VAXstation II with the cooperation of Digital Equipment Corporation. DVILASER/PS, our TEX-to-PostScript device driver software is now available for VAX/VMS.

Sun and Apollo Support

TEXTSET's TEX Package, TEX Preview, and DVILASER/PS are available for Sun and Apollo workstations. DVILASER/PS supports any PostScript printer including the Sun LaserWriter and the Apollo DOMAIN Laser/26.

PostScript, DVILASER, and TEX, when used in combination can produce some very interesting output.

Ask Addison-Wesley Publishing Co., Inc. or Personal TEX, Inc. about **TEXTSET**'*s TEX Preview and DVILASER/PS for 8086 family MSDOS microcomputers.*

TEX Lectures on Videotape

Videotapes of lectures from a series of 2-day short courses, ranging from 10 to 12 hours each, and some lectures presented at TEX Users Group meetings are available for lease or purchase in VHS, Beta or $\frac{3}{4}''$ U-Matic formats. For all videotapes except those of the 1984 TUG meeting, prices for lease or purchase are listed at the bottom of the next page.

For additional information, contact Ray Goucher, TEX Users Group, P. O. Box 9506, Providence, RI 02940-9506, U.S.A., (401) 272-9500, ext. 232.

The Elements of METAFONT Design – Georgia Tobin

This short course was presented in conjunction with the August 1985 TEX Users Group Meeting. It was designed to provide an introduction to font design using METAFONT, giving the student an indepth understanding of the nature and structure of a font of type, an easy familiarity with the concept of a meta-font of type, and a nodding acquaintance with the grammar and syntax of METAFONT. Topics covered in detail are: the basics of digital type design; the concept of a METAFONT; the basic structure of meta-code; points, pens and paths; macros; conditions and the use of conditional code; and testing fonts. Course exercises ranged from discussion of design philosophy and approaches to the coding tasks to actual writing of METAFONT code.

Necessary prerequisites which may strike some as unsavory (e.g., vector arithmetic, basic trigonometry, tidy programming habits) were covered as warranted by the expertise of course participants.

Georgia Tobin is with The Metafoundry, OCLC Online Computer Library Center, Inc., Dublin, Ohio.

Traditional Typography Meets LATEX – Marshall Henrichs

In the course of reviewing and working out design standards to be incorporated in the manual to Leslie Lamport's macro package LATEX, Marshall Hendrichs, Art Director for Addison-Wesley Publishing Co., was forced to evaluate the task at hand in the same light that typographers have had to evaluate all technological innovations throughout four centuries of typographic evolution. This course was developed from his experience. In it he presents a short history of the evolution of traditional typographic standards and addresses such issues as: Can the reader understand what has been written? What elements lead to understanding and what elements impede understanding? How much effort is needed to overcome the impediments? What can be read in today's newspapers and textbooks? What is allusive typography and what role does it play in comprehension? When does humor and analogy confuse the reader? When form and content get divorced, who gets the house?

This course does not duplicate the one described below: "First Principles of Typographic Design for Document Production". It offers a different perspective on key issues in document design (e.g., legibility and aesthetics).

Book Design Utilizing TEX – Richard Southall and Leslie Lamport

At the August 1984 TUG meeting a short course, "First Principles of Typographic Design for Document Production", was presented. The course establishes some basic principles for the typographic design of simple text. The application of these principles to the design of documents, and the implementation of the resulting designs with TEX, was discussed. Topics include: typographic structures in text; LATEX structures; graphic conventions in text; the document designer's tools; making text readable; designing headings; implementing text and heading designs; designing pages; implementing page layouts; list design and other issues.

Introduction to the Internal Workings of TEX82 – Donald Knuth

In conjunction with the July 1982 TEX Users Group meeting a short course, "Introduction to TEX82", was presented on the internal workings of TEX82. The WEB source of TEX82 was used as a reference. A reading knowledge of PASCAL was strongly recommended as a prerequisite.

The following topics were covered: reading WEB programs; representation of strings; data structures for boxes and glue; representation of control sequences; syntactic routines (TEX's eyes and mouth); semantic routines (TEX's stomach and intestines); breaking paragraphs into lines; hyphenation; scanning file names; input of font metric (TFM) files; output of device-independent (DVI) files; initializing a TEX production program.

The principal goal of the course was to make the participant familiar with the anatomy of the TEX82 system, so that it will be clear how to make system dependent changes necessary to install it as an effective production tool. Considerations necessary for tailoring TEX for use with languages other than English were discussed. The information provided by this course should make the viewer able to make better use of TEX than would otherwise be possible and to help with troubleshooting when others at the site do strange things with the software.

Introduction to AMS-TEX82 – Michael Spivak

At the July 1983 TEX Users Group meeting an Introductory AMS-TEX82 Users Course for secretaries and technical typists was presented by Michael Spivak, author of *The Joy of TEX*, which served as the text for this course. The course introduced the use of the macro package AMS-TEX, as revised for TEX82, which concentrates mainly on the problems of typesetting complicated mathematics; it is not a course in how to use TEX itself. The concepts presented, however, are applicable to other macro packages based on TEX82. (Document preparation with TEX is usually approached through a suitable macro package rather than directly through plain TEX.) In order to derive maximum benefit from the use of these videotapes, the user should be familiar with the use of a text editor and at least somewhat familiar with the demands of technical typing.

TEX Users Group Meeting, Stanford University, August 15–17, 1984

The following sessions were videotaped and are available for lease ($50 each hour or fraction thereof) or purchase ($75 each hour or fraction thereof):

Pierre MacKay: Introduction to TEX and TUG for new users (1:00); Don Knuth: Update on TEX82 and general Q & A (1:30); Jacques Désarménien: Running TEX in a French enviroment (fonts, hyphenation, typography) (1:30); Don Knuth et al.: Macro writing (3:00) and What's new in METAFONT and typography (1:30); Site Coordinators' progress reports – DG MV 8000, Prime 750, HP 3000, IBM Group, UNIX, and VAX (VMS) (1:30); David Fuchs, John Gourlay and Peter Sih: Output devices and drivers (1:00); Leslie Lamport and Richard Southall: Interfacing conventional design practice with TEX and METAFONT: discussion (1:30); and Georgia Tobin: Font design using METAFONT & discussion (1:00).

Videotape Lease/Purchase Prices

	Lease	Purchase*
List	$425/month	$800
Institutional member, non-educational	375/month	700
Educational institution	350/month	650

*The **purchase price** for VHS and Beta formats is $100 less in each category.

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Preview Textset's popular Preview is now available for the PC. Look at your TEX output on the screen before (or instead of) printing hard copy. Requires the Hercules Graphics Card. Future versions to employ the Tecmar Graphics Master and the IBM Enhanced Graphics Adaptor. **$250.**

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Corona Laser Printer This device will print a full page of TEX output, and employs the same Canon CX print engine found in many of the popular laser printers. Comes with PCTEX and the Corona device driver. Complete software and hardware: only **$3395.** (list price $3974.)

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System requirements: DOS 2.0 or better, 512K RAM, 10M hard disk. Preview requires Hercules Graphics Card. Corona Laser Printer requires additional 512K RAM disk. Include $8. shipping and handling for each order. (Shipping to Canada: $10. International Air Mail: $30.) California orders, add 6% sales tax. MasterCard, Visa accepted.

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