IT'S BEEN CALLED A WORK OF GENIUS. IT'S ALSO A WORK OF ART.

Donald Knuth's **Computers and Typesetting** series.

Addison-Wesley is proud to present a five-volume collection on two revolutionary typesetting ideas: TEX and METAFONT.

VOLUME A

THE TEXbook.

The definitive guide to TEX, the text-processing system that lets you produce high-quality, technical typeset documents like no other typesetting program. Hardcover version of the popular paperback manual.

VOLUME B

TEX: The Program.

The complete source code for TEX. Never before has a program of this size been documented so clearly and completely.

VOLUME C

The METAFONTbook.

The user's guide and reference manual for **METAFONT**, the language that helps you design clear, precise letters and symbols more quickly than ever before. Hardcover version of the popular paperback manual.

VOLUME D

METAFONT: The Program.

The complete source code for **METAFONT**. An excellent lesson by example on how to put programming theory into practice.

VOLUME E

Computer Modern Typefaces.

The ultimate reference for type designers interested in how Knuth created these beautiful letters and symbols. Includes more than 750 illustrations.

Look for the complete **Computers and Typesetting** series in your bookstore this spring!

☐ Please put me on your computers and typesetting mailing list, and tell me how I can order the series.

Name_____

Address_____

City_____ State_____ Zip_____

Phone_____

Mail to:

Addison-Wesley Publishing Company
Attn: P. Wiley
Reading, Massachusetts 01867 (617) 944-3700

We publish the leaders.

Personal TEX Inc

Your **Complete** Supplier of TEX for the PC!

... now offers a list of software, fonts and hardware so that we can be your complete TEX outfitter for PC and AT workstations. We have joined forces with Textset, n^2 Computer Consultants, and the Metafoundry to bring you these products:

SOFTWARE:

PCTEX® A full TEX82, version 2.0, including INITEX, LATEX 2.09, LATEX User's Guide, AMS-TEX, and Mike Spivak's PCTEX Manual and VANILLA macro package. 33% faster than version 1.01! Runs LATEX in 512K RAM! **$249.**

PCDOT Device drivers for the following dot-matrix printers: Epson FX, RX and LQ printers, IBM Graphics Printer, and the Toshiba 1340, 1350, P351 printers. Each driver includes over 230 TEX and LATEX fonts. **$95. each.**

DVILASER/HP Textset's new device driver for the HP LaserJet Plus. Operates with standard serial or parallel ports – no additional hardware needed. Includes complete TEX and LATEX fonts. **$249.**

PCLaser Device drivers for several popular laser printers: Apple **LaserWriter (Postscript)** (Textset), QMS **Lasergrafix 800, 1200** (n^2 Computer Consultants, Textset), **Imagen 8,12,24/300** (Textset), **Corona LP300** and **JLASER (HP LaserJet)**. Includes complete TEX and LATEX fonts. From **$249. each.**

Preview Textset's popular Preview is now available for the PC. Requires the Hercules Graphics Card, IBM Enhanced Graphics Adapter, or Tecmar Graphics Master. **$225.**

FONTS:

MF Medley 44 Popular fonts from the Metafoundry library. Includes printer and screen preview resolutions of Chel fonts (Computer Helvetica, shown here), and Copperplate, Black Letter and Schoolbook headline fonts. Specify printer resolution (180, 240 or 300 DPI) **$100.**

HARDWARE:

Corona Laser Printer This device will print a full page of TEX output, and employs the same Canon CX print engine found in popular laser printers. Comes with PCTEX and the Corona device driver. Complete software and hardware: only **$2995.**

JLASER An interface card for your PC with 1 MB RAM and a direct connection to any Canon CX print engine (HP LaserJet, QMS KISS and others). Allows high resolution full page printing. From **$699.**

Join hundreds of satisfied PCTEX users. Write or call us today for complete product information. Inquire about educational and corporate discounts and site licensing.

System requirements: DOS 2.0 or later, 512K RAM, 10M hard disk. Preview requires appropriate graphics apadter. Corona Laser Printer requires additional 512K RAM disk. Include $8. shipping and handling for each U.S. order. Orders outside the U.S. must be placed through distributors listed below. California orders, add 6% sales tax. MasterCard, Visa accepted.

Personal TEX Inc

20 Sunnyside, Suite H
Mill Valley, CA 94941
(415) 388-8853 Telex 510-601-0672

Distributors: **Canada:** Ahearn & Soper, Rexdale, Ontario, (416) 675-3999; **UK:** UniTEX Systems, Sheffield, (0742) 351 489; **Germany:** Kettler EDV-Consulting, Lenggries, (08042) 8081; **France:** Probe Informatique, Trappes, (3062) 2603; **Ireland:** UniTEX, Dublin, 772941 x1983; **Australia:** The Wordworks, ACT, (062) 572893.

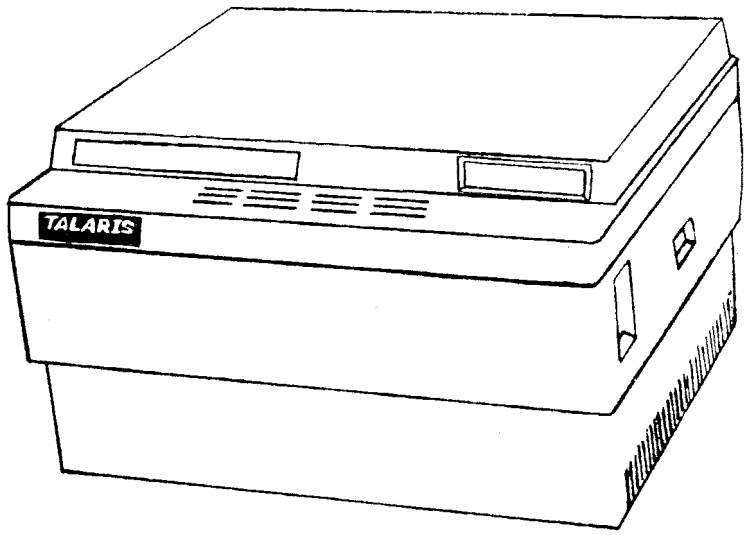
Trademarks: PCTEX, Personal TEX, Inc.; TEX, American Mathematical Society; IBM PC and AT, IBM Corp. Manufacturer's product names are trademarks of individual manufacturers.
This ad was generated using PCTEX, and printed on a Cordata LP-300.

TALARIS SYSTEMS INC.®

THE TALARIS 810:

THE MISSING PIECE IN YOUR PERSONAL TYPESETTING SYSTEM

Now that you have TEX™ on your IBM PC or compatible, you need a printer that lives up to TEX's formatting standards—a high-resolution printer with fonts and flexibility. What you don't need is a printer that costs far more than your PC.



Introducing the Talaris 810

The *Talaris 810* is that printer—an 8-page-per-minute, 300 dots-per-inch laser printer that costs just $3,850. Ideal for TEXnicians on a budget.

And Talaris completes your personal typesetting system with fonts and software: TEX PROM font cartridges and a DVI file post-processor.

Talaris's TEX font cartridges

The *Talaris 810* comes with 12 standard word processing fonts. Add one of Talaris's TEX font cartridges and start TEXing. Each font cartridge contains from 16 to 30 TEX fonts. Choose from Plain, Plain + (30 fonts), Dutch Times Roman-like, or Swiss Helvetica-like TEX font cartridges.

Talaris's LoTEX DVI post-processor

LoTEX outputs ANSI 3.64 commands to support absolute character positioning as required by TEX DVI files. LoTEX also provides three options for positioning the page on the paper—centered, uncentered, and TEX standard—as well as options for landscape orientation and printing more than one copy of output.

The Talaris 810 and graphics

Store digitized artwork, forms, and signatures as overlays. Then use TEX's \special command to call the overlays.

Talaris, the personal typesetting software specialists

Talaris has the software to keep your *Talaris 810* printing up to speed. Talaris also offers the *Talaris 810* and LoTEX for VAX/VMS systems. And, for vector graphics and higher volume printing, Talaris offers a family of full-page bit-map laser printers and software.

For more information, call or write Talaris Systems Inc., 5160 Carroll Canyon Road, P.O. Box 261580, San Diego, CA 92126; (619) 587-0787.

This ad was created with TEX and Talaris's Dutch fonts; the original was printed on a Talaris 810 laser printer.

COMPLETE TYPESETTING SERVICES

Math and Technical Textbook Publishers . . .

If you are creating your book files with Donald Knuth's TEX software package, Computer Composition Corporation can now offer the following specialized services:

— Converting TEX DVI files to the fully paginated typeset page. TEX input files can be submitted to us on diskettes or magnetic tape.

— Providing laser-printed page proofs which very closely simulate the final typeset page.

— Keyboarding from traditionally-prepared manuscripts via the TEX processing system.

— Camera work, including the shooting of halftones, screens, line art, etc.

Call or write us for sample pages and proofs.

COMPUTER COMPOSITION CORPORATION
1401 WEST GIRARD • MADISON HEIGHTS, MICHIGAN 48071 • (313) 545-4330

TEXTSET Announces

New Directions in TEX

Visit our Demonstration
at the TUG Conference at Tufts University
July 22–23, 1986

Nobody thought it was possible!

TEXTSET, Inc. 416 Fourth Street • Post Office Box 7993 • Ann Arbor • Michigan • 48107 • (313) 996-3566

Available Now!

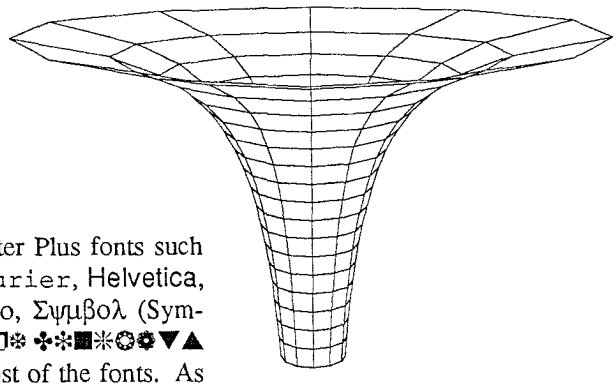
MacTEX™

A complete typesetting system for the Macintosh Plus

MacTEX is the first full version of TEX available for the Macintosh Plus computer. A full implementation, it includes both the PLAIN and LATEX macro packages with LaserWriter and LaserWriter Plus fonts and the standard TEX fonts. With the package, you also get INITEX and all the sources for the macro packages PLAIN and LATEX. With this you can generate your own format files on top of an already existing one, or create a completely new one and select it for loading. And **MacTEX** has passed the "TEX torture test", so you can be sure that the output you get is to the exacting TEX standards.

MacTEX is more than TEX itself. It also contains a built-in multiple file editor and a screen previewer which lets you view the output before printing. Also in the program is the LaserWriter AppleTalk driver to print on a LaserWriter, LaserWriter Plus or any other AppleTalk printer such as a Linotronic 300 (a 2,540 dot per inch laser typesetter). This means that you'll never have to leave the program.

MacTEX will also let you send POSTSCRIPT directly thus allowing effects such as grey text or rotated text. (As you can see above, "Available Now!" is rotated 25 degrees, yet it was set using TEX.) You can also include POSTSCRIPT text files or MacPaint files for graphics. The example on the right was included in printing and the text file containing the POSTSCRIPT code was created using **MacTEX**'s built-in editor.



MacTEX supports all the LaserWriter and LaserWriter Plus fonts such as ITC Avant Garde Gothic, ITC Bookman, Courier, Helvetica, Helvetica-Narrow, New Century Schoolbook, Palatino, Σψμβολ (Symbol), Times-Roman, *Zapf Chancery Medium Italic*, and ✺✪❒❄ ✣✻■✳✪✪▼▲ (Zapf Dingbats) with **bold**, *italic* and ***bold-italic*** for most of the fonts. As well, five LATEX fonts and three math fonts, *amsy*, *ammi*, and *amex*, are included for full math typesetting and have been converted from pixels into outline form allowing them to be scaled to any size without seeing jagged edges on the letters.

- **Editor:** Standard mouse-driven Macintosh text editor with Cut, Copy, Paste, Clear plus Find, Find Same, Replace, Replace All, and Goto Line.
- **TEX:** Standard TEX with on-screen buttons for error handling.
- **Previewer:** Goto previous page, next page or jump to one at random. View full page (3:1 reduction), full size (1:1) or double size (1:2). Dump the page image to an ImageWriter for proofing.
- **Printer:** Print the *.dvi* file on any LaserWriter on AppleTalk, or download a POSTSCRIPT file. You may also save the *.dvi* file as a POSTSCRIPT text file and download it later.

Also available: **French MacTEX**, containing complete hyphenation tables for the French language.
Font Metric files (*.tfm* files) for other downloadable Adobe Fonts.

Order Now: American Express accepted.

FTL systems Inc.
(416) 487-2142
234 Eglinton Ave. E., Suite 205
Toronto, Ontario
Canada M4P 1K5

MacTEX is a trademark of FTL systems Inc.
TEX is a trademark of the American Mathematical Society.
POSTSCRIPT is a trademark of Adobe Systems Incorporated.
Linotronic is a trademark of Allied Linotype Co.
Helvetica, Palatino, and Times are trademarks of Allied Corporation.
ITC Avant Garde Gothic, ITC Bookman, ITC Zapf Chancery, and ITC Zapf Dingbats are trademarks of International Typeface Corporation.
Macintosh, Macintosh Plus, MacPaint, LaserWriter, LaserWriter Plus, AppleTalk and ImageWriter are trademarks of Apple Computer Inc.

This page was set using only **MacTEX** and printed on a LaserWriter Plus.