Typesetting on Personal Computers

A New TEX-based Book Typesetting Package for the Macintosh

From a news release datelined San Francisco, January 8, 1987, we have learned of the availability of *Page One* automated book publishing software from McCutcheon Graphics of Toronto. This software is based on FTL's MacTEX package, and uses templates to access a variety of formats, with a choice of five of the most popular book trim sizes, and a total of 50 page layouts. It requires a Macintosh Plus and hard disk.

The manuscript is created on a Macintosh using Microsoft Word formats. The publisher chooses the desired design template from a catalog and enters its number on a simple screen form, along with optional page format information. The book is then printed on any PostScript-compatible printer.

Page One was co-developed by Thad McIlroy, formerly an author, publisher, bookseller, and editor of over 40 titles, and one of the world's first book authors to use desktop publishing; noted book designer Garfield Reeves-Stevens, author, editor, and designer of over 300 books for McGraw-Hill, Doubleday, and other publishers; and Toronto-based FTL systems.

These claims are made:

- Total design and production time: a few hours.
- Skills required: ability to use a mouse.

Additional information about this package can be obtained from

> McCutcheon Graphics Inc.
> 130 Bridgeland Avenue
> Toronto, Ontario Canada M6A 1Z4
> > Wes Thomas: 516-266-1652
> > Thad McIlroy: 416-789-2993

Editor's note: TEX is now appearing with increasing frequency as a "back-end" composition system, shielded from the originator of the manuscript. Not all creators of such packages acknowledge the TEX connection, but those that do seem to feel that the TEX association will be a good advertisement of quality. We applaud their confidence.

Output Devices

TEX Output Devices

Some of the interfaces listed in these charts are considered proprietary. Most are not on the standard distribution tapes; if it is known that an interface has been submitted to the distributor, this fact is noted. To obtain information regarding an interface, if it is supposed to be included in a standard distribution, first try the appropriate site coordinator or distributor; otherwise, request information directly from the sites listed.

The codes used in the charts are interpreted below, with a person's name given for a site when that information could be obtained and verified. If a contact's name appears in the current TUG membership list, only a phone number or network address is given. If the contact is not a current TUG member, the full address, and its source, are shown.

Corrections and new information are welcome; send them to Barbara Beeton (address on page 3).

Sources

ACC   Advanced Computer Communications, Diane Cast, 720 Santa Barbara Street, Santa Barbara, CA 93101, 805-963-9431 (DECUS, May '85)

Adelaide   Adelaide University, Australia, Andrew Trevorrow, (08) 267 1060 (Note that Andrew Trevorrow is no longer at Adelaide university, and cannot handle requests for software; all programs cited have been sent to the appropriate coordinators for inclusion on the distribution tapes.

AMS   American Mathematical Society, Barbara Beeton, 401-272-9500

Arbor   ArborText Inc, Bruce Baker, 313-996-3566

A-W   Addison-Wesley, Brian Skidmore, 617-944-3700, ext. 2253

Bochum   Ruhr Universität Bochum, Norbert Schwarz, 49 234 700-4014

Caltech   Cal Tech, Glen Gribble, 818-356-6988

Canon   Canon Tokyo, Masaaki Nagashima, (03)758-2111

Columbia   Columbia University, Frank da Cruz, 212-280-5126

CMU   Carnegie-Mellon University, Howard Gayle, 412-578-3042

COS   COS Information, Gilbert Gingras, 514-738-2191

Carleton   Carleton University, Neil Holtz, 613-231-7145

DEC   Digital Equipment Corporation, John Sauter, 603-881-2301

GA Tech   GA Technologies, Phil Andrews, 619-455-4583

GMD   Gesellschaft für Mathematik und Datenverarbeitung, Dr. Wolfgang Appelt, D-5202 Sankt Augustin, Federal Republic of Germany

HP   Hewlett-Packard, Stuart Beatty, 303-226-3800, ext. 2067

IAM   Institut für Angewandte Math, Univ of Bonn, Federal Republic of Germany, Bernd Schulze, 0228-733427

Imagen   Imagen Corp, Dan Curtis, 408-986-9400

INFN   INFN/CNAF, Bologna, Italy, Maria Luisa Luvisetto, 051-498286

Intergraph   Intergraph, Mike Cunningham, 205-772-2000

JDJW   JDJ Wordware, John D. Johnson, 415-965-3245

K&S   Kellerman & Smith, Barry Smith, 503-222-4234

LLL   Lawrence Livermore Laboratory

LSU   Louisiana State University, Neal Stoltzfus, 504-388-1570

MPAE   Max-Planck-Institut für Aeronomie, H. Kopka, (49) 5556-41451

MR   Math Reviews, Patrick Ion, 313-996-5273

NJIT   New Jersey Institute of Technology, Bill Cheswick, 201-596-2900

OCLC   OCLC, Tom Hickey, 616-764-6075

OSU1   Ohio State University, John Crawford, 614-422-1741

OSU2   Ohio State University, John Gourlay, 614-422-6653

Personal   Personal TEX, Inc., Lance Carnes, 415-388-8853

Procyon   Procyon Informatics, Dublin, Ireland, John Roden, 353-1-791323

SARA   Stichting Acad Rechenzentrum Amsterdam, Han Noot, Stichting Math Centrum, Tweede Boerhaavestraat 49, 1091 AL Amsterdam (TUGboat 5, no. 1)

Scan Laser   Scan Laser, England, John Escott, +1 638 0536

Sci Ap   Science Applications, L. E. Fields, 619-458-2616

SLAC   Stanford Linear Accelerator Center, 415-854-3300

SRI   SRI International

Stanford   Stanford University

SUN   Sun, Inc

Talaris   Talaris, Sonny Burkett, 619-587-0787

T A&M1   Texas A&M, Bart Childs, 409-845-5470

T A&M2   Texas A&M, Ken Marsh, 409-845-4940

T A&M3   Texas A&M, Norman Naugle, 409-845-3104

Tools   Tools GmbH Bonn, Edgar Fuß, Kaiserstraße 48, 5300 Bonn, Federal Republic Germany (TUGboat 8#1, page 46)

UBC   University of British Columbia, Afton Cayford, 604-228-3045

UCB   University of California, Berkeley, Michael Harrison, `vortex@berkeley.arpa`

UCIrv1   University of California, Irvine, David Benjamin

UCIrv2   University of California, Irvine, Tim Morgan

U Del   University of Delaware, Daniel Grim, 302-451-1990

U Köln   Univ of Köln, Federal Republic of Germany, Jochen Roderburg, 0221-/478-5372

U Mass   University of Massachusetts, Amherst, Gary Wallace, 413-545-4296

U Md   University of Maryland, Chris Torek, 301-454-7690

U Mich   University of Michigan, Kari Gluski, 313-763-6069

U Milan1   Università Degli Studi Milan, Italy, Dario Lucarella, 02/23.62.441 (329)

U Milan2   Università Degli Studi Milan, Italy, Giovanni Canzii, 02/23.52.93

U Shef   University of Sheffield, England, Ewart North, (0742)-78555, ext. 4307

U Utah   University of Utah, Nelson H. F. Beebe, 801-581-5254

U Wash1   University of Washington, Pierre MacKay, 206-543-2386

U Wash2   University of Washington, Jim Fox, 206-543-4320 (NOS 2.2)

U Wisc   University of Wisconsin, William Kelly, 608-262-9501

UNI.C   Aarhus University, Regional Computer Center

Vanderbilt   Vanderbilt University, H. Denson Burnum, 615-322-2357

Wash St   Washington State University, Dean Guenther, 509-335-0411

Weizmann   Weizmann Institute, Rehovot, Israel, Malka Cymbalista, 08-482443

Notes for tables

[1] graphics supported
[2] included on one of the standard distribution tapes

Low-Resolution Printers on Multi-User Systems — Laser Xerographic, Electro-Erosi

	Amdahl (MTS)	CDC Cyber	Data General MV	DEC-10	DEC-20	HP9000 500	IBM MVS	IBM VM
Agfa P400								IAM
Apple LaserWriter					Utah	Adelaide[2] Arbor[1] Utah		
Canon					Utah	Utah		
DEC LN01								
DEC LN03								
HP LaserJet					Utah	Utah		
IBM 38xx, 4250, Sherpa								SLAC[2]
Imagen	Arbor UBC		T A&M1	Stanford Vanderbilt	Columbia SRI Utah	Utah	Arbor	SLAC[2]
QMS Lasergrafix	Arbor	U Wash2[1]	T A&M1			T A&M2	GMD	Arbor
Symbolics					U Wash1			
Talaris				Talaris[1]	Talaris[1]		Talaris[1]	Wash S
Xerox Dover					CMU			
Xerox 2700II		Bochum			OSU2			
Xerox 9700	Arbor U Mich			U Del			Arbor	Arbor U Del

Low-Resolution Printers on Multi-User Systems — Impact and Electrostatic Printers

	Amdahl (MTS)	CDC Cyber	Data General MV	DEC-10	DEC-20	HP9000 500	IBM MVS	IBM VM	Prime	Siemens BS2000	VAX UNIX	VAX VMS
Apple ImageWriter					Utah	Utah					Utah	Utah
C Itoh												LSU
DEC LP100					OSU2							
Facit 4542												INFN[2]
Florida Data					MrR							
NDK 7700								IAM				
Okidata					Utah	Utah					Utah	Utah
Printronix			T A&M1[1]		Utah	Utah					Utah	Utah
Toshiba			T A&M1[1]		Utah	Utah					Utah	Procyon Utah
Varian												Sci Ap
Versatec		U Köln	T A&M1[1]	GA Tech Vanderbilt	U Wash1		GMD U Milan2	Weizmann	LLL		U Wash1[2]	K&S

Low-Resolution Printers on Microcomputers and Workstations

	Apollo	Apple Macintosh	Atari ST	Cadmus 9200	HP1000	HP3000	HP9000 200	IBM PC	ICL Perq	Integrated Solutions	SUN	Texas Instr PC
Apple ImageWriter		A-W[1] K&S[1]						MR Utah		Utah	Utah	
Apple LaserWriter	Arbor[1] OCLC	A-W[1] K&S[1]					Arbor	A-W[1]Pers Arbor[1] Utah		Utah	Arbor[1] Utah	
Canon								Utah	GMD	Utah	Utah	
Cordata LP300								Personal				
Diablo						Personal						
Qume Epson			Tools		JDJW	U Shef		A-W, Pers U Mian1 U Shef				T A&M1
Fujitsu				U Köln								
GE 3000	COS											
HP 2680					JDJW	Personal						
HP 2688A					JDJW		Caltech HP					
HP Laserjet Plus			Tools				MPAE	Arbor[1] Utah		Utah	Utah	
Imagen	Arbor[1] OCLC							A-W[1]Pers[1] Arbor[1] OCLC,Utah		Utah	Arbor[1] Sun Utah	T A&M1[1]
Printronix								Utah		Utah	Utah	
QMS Lasergrafix	Arbor Scan Laser							A-W[1] Personal[1] Arbor[1]			Arbor U Del	
Texas Instruments 855												T A&M1[1]
Toshiba								A-W Personal Utah		Utah	Utah	
Xerox 9700	COS Scan Laser											

Typesetters

	Amdahl (MTS)	Apollo	CDC Cyber	DEC-20	HP3000	HP9000 200: 500	IBM MVS	IBM PC	IBM VM	Sperry 1100	SUN	VAX UNIX	VAX VMS
Allied Linotype CRTronic													Procyon
Allied Linotype L100, L300P	Arbor	Arbor				Arbor		A-W Arbor Personal			Arbor	Arbor	Arbor
Allied Linotype L202								Personal					Procyon
Alphatype CRS				AMS									
Autologic APS-5, Micro-5	Arbor	Arbor COS Scan Laser		Arbor	Arbor			Arbor Personal	Arbor		Arbor	Arbor	Arbor Intergraph
Compugraphic 8400					U Shef			Personal					K&S
Compugraphic 8600			UNI:C				Wash St	Personal	Wash St	U Wisc			K&S
Harris 7500												SARA	
Hell Digiset							GMD*						

*   Digiset also supported at GMD on Siemens BS2000.

Video Displays

	Apollo	Apple Macintosh	Atari ST	Cadmus 9200	Data General MV	IBM MVS	IBM PC	Integrate Solution
AED 483, 512								
ANSI-compatible terminals								
BBN BitGraph								Utah
DEC ReGIS								
DEC VT100								
DEC VT125								
Talaris 7800								
Tektronix 4014						U Milan1		
Visual 500, 550								
VAXstation								
other screen preview	Arbor	K&S[1] A-W[1]	Tools	U Köln	T A&M1[1]	GMD	Arbor A-W Personal	UCIrv1

* The DVItoVDU program developed at Adelaide University has also been ported to VAX/UNIX, and has been submitted to the UNIX distribution.