

Output Devices

TeX Output Devices

Don Hosek

The device tables on the following pages list all the TeX device drivers currently known to TUG. Some of the drivers indicated in the tables are considered proprietary. Most are not on the standard distribution tapes; those drivers which are on the distribution tapes are indicated in the listing of sources below. 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. When information on the drivers is available, it is included below.

Screen previewers for multi-user computers are listed in the section entitled "Screen Previewers". If a source has been listed previously under "Sources", then a reference is made to that section for names of contacts, etc.

Corrections, updates, and new information for the list are welcome; send them to Don Hosek, Bitnet `DHOSEK@HMCVAX` (postal address, 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

The programs listed under Adelaide have been submitted to the standard distributions for the appropriate computers. The PostScript driver permits inclusion of PostScript files in a TeX file. The driver is described in *TUGboat*, Vol. 8, No. 1.

AMS American Mathematical Society, Barbara Beeton, 401-272-9500 Arpanet: `BNB@Seed.AMS.com`

Arbor ArborText, Inc., Bruce Baker, 313-996-3566, Arpanet: `bwb%arbortext@umich.cc.umich.edu`

ArborText's software is proprietary and ranges in price from \$150 to \$3000. The drivers for PostScript printers, the HP LaserJet Plus, the QMS Lasergrafix, and Imagen printers are part of their DVILASER

series. The drivers all support graphics and include other special features such as use of resident fonts or landscape printing when supported by the individual printers.

Printing on the Autologic APS-5 and μ -5 phototypesetters with DVIAPS includes support of Autologic standard library fonts and logo processing.

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

Addison-Wesley supports graphics on all Macintosh software, and on Imagen, PostScript, and QMS laser printers on the IBM PC.

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

Caltech California Institute of Technology, Chuck Lane, Bitnet: `CEL@CITHEX`

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

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

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

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

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

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

The LN03 driver is on the VAX/VMS distribution tape.

ENS Ecole Normale Supérieure, Chantal Durand, Centre de Calcul, Ecole Normale Supérieure, 45 rue d'Ulm, 75005 Paris, France

GA Tech GA Technologies

GMD1 Gesellschaft für Mathematik und Datenverarbeitung, Federal Republic of Germany, Ferdinand Hommes, Bitnet: `GRZTEX@DBNGMD21`, 0228-303221

GMD2 Gesellschaft für Mathematik und Datenverarbeitung, Federal Republic of Germany, Dr. Wolfgang Appelt, uucp: `seismo!unido!gmdzi!zi.gmd.dbp.de!appelt`

Heidelb'g University of Heidelberg, Federal Republic of Germany, Joachim Lammarsch, Bitnet: `RZ92@DHDURDZ1`

HMC Harvey Mudd College, Don Hosek, Bitnet: `Dhosek@Ymir`

HP Hewlett-Packard, Stuart Beatty, 303-226-3800

INFN INFN/CNAF, Bologna, Italy, Maria Luisa Luvisetto, 51-498286, Bitnet: `MILTEX@IBOINFN`

The CNAF device drivers are on the VAX/VMS distribution tape.

Interg'ph Intergraph, Mike Cunningham, 205-772-2000

JDJW JDJ Wordware, John D. Johnson,
415-965-3245, Arpanet: `M.JOHN@Sierra.Stanford.Edu`
K&S Kellerman and Smith, Barry Smith,
503-222-4234

The VAX/VMS Imagen driver supports graphics.

Kettler Kettler EDV Consulting, P. O. Box 1345,
D-8172 Lenggries, Federal Republic Germany,
+49 8042 8081

The LaserJet driver supports graphics inclusion in device dependent format. PK font files are used. This program is proprietary. Contact Kettler for further information.

LaserPrint LaserPrint, P. O. Box 35, D-6101
Fränkisch Crumbach, Federal Republic Germany,
+49 6164 4044

The driver supports graphics inclusion in device dependent format. PK font files are used. This program is proprietary. Contact LaserPrint for further information.

LLL Lawrence Livermore Laboratory

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

Milan1 Università Degli Studi Milan, Italy,
Dario Lucarella, 02/23.62.441

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

MIT Massachusetts Institute of Technology,
Chris Lindblad, MIT AI Laboratory, 617-253-8828

The drivers for Symbolics Lisp machines use the Symbolics Generic Hardcopy interface as a back end, so it should work on any printer that has a driver written for it. The printers listed in the table indicate drivers the program has been tested on.

The UNIX drivers for PostScript and QMS printers both support landscape printing and graphics inclusion via specials.

MPAE Max-Planck-Institut für Aeronomie,
H. Kopka, (49) 556-41451, Bitnet: `MIO40L@D606WD01`

MR Math Reviews, Dan Latterner, 313-996-5266

NJIT New Jersey Institute of Technology

OCLC OCLC, Tom Hickey, 6565 Frantz Road,
Dublin, OH 43017, 616-764-6075

OSU2 Ohio State University, Ms. Marty Marlatt,
Department of Computer and Information Science,
2036 Neil Avenue, Columbus, OH 43210

The drivers are distributed on either ANSI or TOPS-20 DUMPER tapes, with hardcopy documentation. There is a \$125 service charge (payable to Ohio State University) to cover postage, handling, photocopying, etc.

Pers Personal T_EX, Inc., Lance Carnes,
415-388-8853

Graphic output is supported on Imagen, PostScript, and QMS printers.

Philips Philips Kommunikations Industrie AG,
TEKADE Fernmeldeanlagen, Attn. Dr. J.
Lenzer, Thurn-und-Taxis-Str., D-8500 Nürnberg,
Federal Republic Germany, +49 911 5262019

PPC Princeton Plasma Physics Lab, Charles
Karney, Arpanet: `Karney%PPC.MFENET@NMFECC.ARPA`

Versatec output from T_EXspool is produced via the NETPLOT program. T_EXspool also produces output for the FR80 camera. Color and graphics primitives are supported through specials.

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

RTI Research Triangle Institute, Randy Buckland,
Arpanet: `rcb@rti.rti.org`

The program is available in the `comp.sources.misc` archives on Arpanet and Usenet.

Saar Universität des Saarlandes, Saarbrücken,
Federal Republic of Germany, Prof. Dr. Reinhard
Wilhelm, uucp: `wilhelm@sbsvax.UUCP`

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

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

Sci Ap Science Applications, San Diego, CA,
619-458-2616

SEP Systemhaus für Elektronisches Publizieren,
Robert Schöniger, Arndtstrasse 12, 5000 Köln,
Federal Republic of Germany

DVIP400 uses PXL files. Landscape printing is supported in all versions and graphics inclusion in all but the IBM PC version. Source is available on request. Cost varies from 300-1848DM.

Stanford Stanford University

The Imagen driver from Stanford is present on most distributions as the file `DVIIMP.WEB`. It provides limited graphics ability.

Sun Sun, Inc.

Sydney University of Sydney, Alec Dunn,
(02) 692 2014, ACSnet: `alecd@facet.ee.su.oz`

Talaris Talaris, Rick Brown, 619-587-0787

All of the Talaris drivers support graphics.

T A&M1 Texas A&M, Bart Childs, 409-845-5470,
CSnet: `Childs@TAMU`

Graphics is supported on the Data General drivers for the Printronix, Toshiba, and Versatec on the Data General MV. On the TI PC, graphics is supported on the Printronix and Texas Instruments 855 printers. There are also previewers available for both the Data General and the TI.

T A&M2 Texas A&M, Ken Marsh, 409-845-4940,
Bitnet: `KMarsh@TAMNII`

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

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

| | Amdahl (MTS) | CDC Cyber | Data General MV | DEC-10 | DEC-20 | HP9000 500 | IBM MVS | IBM VM/CMS | IBM VM/ |
|---------------------------|-----------------|--------------|-----------------------|--------------------|-----------------|----------------|-------------------|-----------------|------------|
| Agfa P400 | | | | | | | SEP | SEP | |
| Canon | | | | | Utah | Utah | | | |
| DEC LN01 | | | | | | | | | |
| DEC LN03 | | | | | Utah | Utah | | | |
| Golden Laser 100 | | | | | Utah | Utah | | | |
| HP LaserJet Plus | | | | | Utah | T A&M2 Utah | | | |
| IBM 38xx, 4250, Sherpa | | | | | | | GMD1 Heidelb'g | GMD1 Wash St | |
| Imagen | Arbor UBC | | T A&M1 | Stanford Vander | Columb. Utah | Utah | Arbor | Arbor W'mann | |
| Philips Elpho | | | | | | | | | |
| PostScript printers | | | | | Utah | Arbor Utah | | Arbor | |
| QMS Lasergrafix | Arbor | U Wash2 | T A&M1 | | | T A&M2 | Arbor GMD | Arbor GMD | |
| Symbolics | | | | | U Wash1 | | | | |
| Talaris | | | | | | | Talaris | Talaris | |
| Xerox Dover | | | | | CMU | | | | |
| Xerox 2700II | | Bochum | | | OSU2 Xerox | | | ENS | |
| Xerox 9700 | Arbor U Mich | | | | | | Arbor T A&M4 | Arbor T A&M4 | T A& |

Typesetters

| | Apollo | CDC Cyber | HP3000 | IBM MVS | IBM PC | IBM VM/CMS | Siemens BS2000 | Sperry 1100 | SUN | U |
|--------------------------------|-------------|--------------|--------|------------|---------------|---------------|-------------------|----------------|-------|---|
| Allied Linotype CRTronic | | | | | | | | | | |
| Allied Linotype L100, L300P | | | | | A-W Pers | | | | | |
| Allied Linotype L202 | | | | | Pers | | | | | |
| Autologic APS-5, Micro-5 | COS Scan | | | | Arbor Pers | | | | Arbor | A |
| Compugraphic 8400 | | | U Shef | | Arbor Pers | | | | | |
| Compugraphic 8600 | | UNI.C | | | Arbor Pers | Wash St | | U Wisc | | |
| Compugraphic 8800 | | | | | Arbor | | | | | |
| Harris 7500 | | | | | | | | | | S |
| Hell Digiset | | | | GMD2 | | | GMD | | | |