Calendar

1989

**Harvard University,
Cambridge, Massachusetts**

Jun 5 - 9   Advanced TeX/Macro Writing
Jun 6 - 9   Intermediate TeX

**University of Maryland,
College Park, Maryland**

Jun 5 - 9   Intensive Beginning/Intermed. TeX
Jun 12 - 16   Intensive LaTeX

Jun 12   Nordic TeX meeting
Royal Institute of Technology,
Stockholm (See page 287.)

University of Illinois, Chicago, Illinois

Jun 12 - 16   Intensive Beginning/Intermed. TeX
Jun 13 - 16   Beginning TeX

**Providence College,
Providence, Rhode Island**

Jun 12 - 16   Intensive Beginning/Intermed. TeX
Jun 13 - 16   Beginning TeX

**University of Michigan,
Ann Arbor, Michigan**

Jun 19 - 23   Intensive Beginning/Intermed. TeX
Jun 20 - 23   Beginning TeX
Jul 6 - 7   Macro Writing
Jul 6 - 7   Output Routines
Jul 10 - 14   Advanced TeX/Macro Writing
Jul 11 - 14   Intermediate TeX

McGill University, Montréal, Québec

Jun 19 - 23   Advanced TeX/Macro Writing
Jun 20 - 23   Intermediate TeX
Jun 26 - 30   Intensive LaTeX
Jul 3 - 7   Intensive Beginning/Intermed. TeX
Jul 4 - 7   Beginning TeX

**Northeastern University,
Boston, Massachusetts**

Jun 19 - 23   Intensive Beginning/Intermed. TeX
Jun 20 - 23   Beginning TeX
Jun 29 - 30   LaTeX, TeX courses, NTG-"happening"
Utrecht. For information, contact
C. G. van der Laan (Bitnet:
cgl@HGRRUG5).

Jul 5   UKTUG: "Fonts, Design and Use"
Aston University, Birmingham, U.K.

Jul 10 - 14   Intensive Beginning/Intermed. TeX
Exeter University, England

Jul 30 -   ACM SIGGRAPH '89, Boston,
Aug 4   Massachusetts. Contact: Chris Herot
or Branko Gerovac, (312) 644-6610.

**Rutgers University, Busch Campus,
Piscataway, New Jersey**

Jul 31 -   Intensive Beginning/Intermediate
Aug 4   TeX
Aug 1 - 4   Beginning TeX
Aug 7 - 11   Advanced TeX/Macro Writing
Aug 8 - 11   Intermediate TeX
Aug 14 - 18   Intensive LaTeX

Aug 14 - 18   Intensive LaTeX, University of
Michigan, Ann Arbor, Michigan

**TeX Users Group 1989 Conference
— Tenth Anniversary —
Stanford University, Stanford, California**

Aug 14 - 18   Intensive Beginning/Intermed. TeX
Aug 15 - 18   METAFONT
Aug 16 - 18   PostScript
Aug 19   Introduction to SGML
Aug 20 - 23   **TUG Annual Meeting**
Aug 24 - 25   Graphic Design of
Technical Documents
Aug 24 - 25   Macro Writing
Aug 24 - 25   Output Routines

Status as of 12 May 1989

Vanderbilt University, Nashville, Tennessee

Aug 14–18   Intensive Beginning/Intermed. TEX
Aug 15–18   Beginning TEX
Aug 21–25   Advanced TEX/Macro Writing
Aug 22–25   Intermediate TEX

University of Illinois, Chicago, Illinois

Aug 14–18   Intensive LATEX
Aug 28–31   TEX Wizard Course
Sep 11–14   METAFONT
Sep 12–15   Intermediate TEX

Sep   7–8   Macro Writing, University of
            Maryland, College Park, Maryland

Sep   11   **TUGboat Volume 10, No. 3:**
            Deadline for receipt of manuscripts.

Sep 11–13   TEX89: 4th Annual Meeting
            of European TEX Users,
            University of Karlsruhe, FRG.
            For information, contact
            Rainer Rupprecht (Bitnet:
            RZ32@DKAUNI48. See also
            TUGboat 10#1, page 118.)

Exeter University, England

Sep 18–22   Advanced TEX/Macro Writing
Sep 26–29   Beginning METAFONT

Oct   3–6   Protext V Conference:
            5th International Conference on
            Computer-Aided Text Processing
            and its Applications. Boston,
            Massachusetts. For information,
            contact Protext Conference, INCA,
            P. O. Box 2, Duń Laoghaire, Ireland;
            +353-1-613749.

Oct 11–13   DANTE — Deutschsprachige
            Anwendervereinigung TEX.
            Eichstätt, FRG. For information,
            contact Joachim Lammarsch (Bitnet:
            RZ92@DHDURZ1. See also page 287.)

Oct 12–13   RIDT'89 — Raster Imaging
            and Digital Typography.
            Ecole Polytechnique Fédérale,
            Lausanne, Switzerland.
            For information, contact
            Prof. R.D. Hersch, Lausanne,
            Switzerland (hersch@elde.epfl.ch
            or (4121) 693 43 57);
            or Debra Adams
            (adams.pa@Xerox.com or (415)
            494-4022). (See announcement,
            TUGboat 9#3, page 316.)

Nov   23   4^e NTG-Byeenkomst. Tilbing,
            The Netherlands. For information,
            contact H. Mulders of
            C. G. van der Laan (Bitnet:
            cgl@HGRRUG5).

1990

Jan   15   **TUGboat Volume 11, No. 1:**
            Deadline for receipt of manuscripts
            (tentative).

            TEX90, Cork, Ireland.

Sep 18–20   EP'90
            National Institute of Standards
            and Technology, Gaithersburg,
            Maryland. For information,
            contact Richard Furuta
            (furuta@brillig.umd.edu).

For additional information on the events listed
above, contact the TUG office (401-751-7760) unless
otherwise noted.

NORDIC TeX Meeting

Stockholm, June 12th, 1989

Location

Lindstedtsvägen 25
Room D1
Royal Institute of Technology
Stockholm

Program

TeX today and in the future. Niels Mortensen
Back to international standards. Malcolm Clark
Nordic national letters. Staffan Romberger
Standard proposal (recommendations for TUG 89)
TeX and graphics. Bjørn Larsen
Integration of Autocad in LaTeX. Anders Eriksson
Graphics in TeXtures. Miro Sedlacek
TeX on workstations (demo of the Publisher).
Phototypesetting and high quality output.
Peter Busk Laursen
TeX and PostScript — experiences. Jan M Rynning
Panel discussion.
Dinner at the KTH "Värdshus"

For information, contact

Roswitha Graham
tel: 46 8 790 6525
fax: 46 8 25 10
tlx: 103 89 KTHB S
email: `roswitha@admin.kth.se`

LaTeX course book in Dutch

As one of the results of the Dutch activities with respect to TeX a (Dutch, but read on!) course book on LaTeX has emerged. It is called

Publiceren with LaTeX
by R. de Bruin, C.G. van der Laan,
J.R. Luyten, H.F. Vogt
CWI-syllabus 19. Centrum voor Wiskunde en Informatica, Postbus 4079 1009 AB Amsterdam, Holland. (196pp) (Price: fl. 28.50, posting costs not included)

Although it is written in Dutch, the exercises are primarily directed to report preparation by the aid of computers, especially LaTeX. So, the exercises and especially the answers are useful for a broader audience.

DANTE — Deutschsprachige Anwendervereinigung TeX

Joachim Lammarsch

Last year, when I was in Exeter at the European TeX meeting, was the first time that the idea of a German TeX society came into my mind. I saw that the organisation and representation of the European TeX users was not very good. And the first step toward making it better is in my opinion to improve the organisation of the national groups.

So because of that, in Freiburg at the German TeX meeting, I made the proposal in my capacity as the coordinator of the German group to found a German TeX society, and asked for comments about that idea. The response has been so positive that I have gone on to prepare the foundation.

On 14th of April 1989 in Heidelberg, it has come to fruition. DANTE, Deutschsprachige Anwendervereinigung TeX, has been founded.* 17 persons were present to found the society, and after a discussion about the statutes the board was elected. For chairman of the society the persons present elected me. For vice chairwoman Mrs. Gabriele Kruljac, Max–Plank–Institut Stuttgart, for treasurer Mr. Friedhelm Sowa, Research Center of the University Düsseldorf, and for secretary Mrs. Luzia Dietsche, Research Center of the University Heidelberg, have been chosen.

The principal aim of the society is to encourage advice and cooperation among German language TeX users. But this is not the only intention. The user group will examine proposals of members for new TeX software, if there are some. It will above all cooperate with other related national and international TeX groups. Besides, DANTE shall represent the interests of the German language TeX users to the TUG more than has happened up till now. Perhaps that will be done in team-work with other European TeX groups.

Another activity will be the organisation of training and education. The first training course will perhaps be held at the next German TeX meeting. Last, but not least, a newspaper will be edited and published.

Institutions as well as individuals can become members. Membership is possible for universities, publishers, software houses, computer companies,

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* I agree, the name is not from a German. But the French users group has taken the German GUTenberg, so we needed another well-known name.

public authorities, private persons, students, e.a. to name but a few. The dues for the various groups are graduated.

The first general meeting will take place together with the German TeX meeting on 11th–13th October 1989 in Eichstätt. The first day of the meeting will be reserved for the members of DANTE; the other two days will be the same as normally happens at meetings.

For more information about DANTE please contact:

> DANTE – Deutschsprachige Anwender-
> vereinigung TeX
> Research Center of the University Heidelberg
> Im Neuenheimer Feld 293
> 6900 Heidelberg 1
> West Germany
> Bitnet: **DANTE@DHDURZ1**

or

> Joachim Lammarsch
> Research Center of the University Heidelberg
> Im Neuenheimer Feld 293
> 6900 Heidelberg 1
> West Germany
> Bitnet: **RZ92@DHDURZ1**

Notes on first meeting of UK TeX Users' Group, 15 March 1989

David Osborne

The London School of Economics was the venue on 15th March for the first meeting of a UK TeX Users' group (numbering November's inaugural Nottingham meeting as the 'zeroth'[1]). Unlike the earlier meeting, the LSE meeting took a theme for all the talks: "Graphics and TeX". Because more time had been available to plan and publicise the event, it was good to see a broader representation of TeX users instead of the bias towards those from academe and a rough head-count gave between 40 and 50 attendees.

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[1] see **TUGboat 10,1** for a report on the Nottingham meeting.

"Business meeting"
(*Malcolm Clark, Imperial College*)

As the gathering was intended to be the first official meeting of a national UK user group, Malcolm Clark began with what he called a "business meeting" to discuss matters relating to the organisation of a user group, such as a constitution and the formation of an organising committee. Malcolm had prepared a draft constitution for the group, copies of which he distributed. This covered not just administrative matters, such as arrangements for annual meetings and the number of members at these to form a quorum, but also raised some questions which he asked those present to consider and decide at the next meeting. These covered important issues such as the relationship of a UK group to other European TeX user groups and to TUG itself, together with the financial (and political) implications of membership fees. Clearly, these will require a good deal of discussion to sort out but Malcolm argued for co-operation with other groups, where possible. Communication of information between users in the group and between this and other groups is obviously an important point and some suggestions were made regarding a newsletter. Malcolm offered to make the TeXline mailing list available, though TeXline will continue as an independent publication. An *ad hoc* election of a committee to organise the group's future activities was then conducted.

Finally, to lead in to the theme of the day's meeting, Malcolm distributed (TeXed) copies of a recent article by David Rogers, which had first appeared in the TeXhax digest,[2] later printed in TUGboat, "Computer Graphics and TeX — A Challenge".

Technical Program

Editor's note: Owing to limited space in this issue, the details of the technical program have been omitted, and only the speakers and their topics are listed.

- **Picture Languages** (*Sebastian Rahtz, Southampton University*)
- **PostScript** (*David Morgan, Imperial College*)
- **PostScript in TeX** (*David Brightly, Daresbury Laboratory*)
- **Chemical diagrams** (*Tony Norris, Polytechnic of the South Bank, London*)
- **Typesetting pictures in TeX** (*Adrian Clark, University of Essex*)

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[2] TeXhax V89 #8, 19 Jan 1989.

Following a question and answer session, the meeting closed with thanks being expressed to Carol Hewlett of LSE who, with Malcolm Clark, had arranged the meeting. The date of the next meeting wasn't announced, but has subsequently appeared in the bytes of UKTEX. It will take place on Wednesday, July 5th at Aston University, Birmingham, the theme being "Fonts — Design and Use". The following meeting is provisionally arranged to be in October 1989 in London.

Production Notes

Barbara Beeton

Input and input processing

Electronic input for articles in this issue was received by mail and on floppy disk. Camera copy was accepted for one article and for several figures (see the "output" section).

Authors who had written articles previously for TUGboat typically submitted files that were fully tagged and ready for processing with the TUGboat macros — tugbot.sty for PLAIN-based files and ltugbot.sty for those using LaTeX.

Much-improved versions of the TUGboat macros were available for this issue, thanks to the efforts of Ron Whitney. Most LaTeX-based articles can now be run in a stream controlled from a driver file (this has always been true for PLAIN-based items). The exceptions are articles formatted with the doc-option of LaTeX created by Frank Mittelbach (identified below).

About a third of the articles, and almost half the pages in this issue are LaTeX. For convenience in processing, PLAIN or LaTeX articles were grouped whenever possible. Articles in which no, or limited, TEX coding was present were tagged according to the conventions of tugbot.sty or ltugbot.sty as convenient. Articles tagged according to the author's own schemes were modified sufficiently to permit them to be merged with the rest of the stream. Especial care was taken to try to identify macro definitions that conflicted with ones already defined for TUGboat, and \begingroup ... \endgroup was wrapped around any suspect article as a routine precaution. Even so, several "time bombs" made themselves known; a particularly insidious one is the subject of a note at the end of the article by David Salomon (page 207).

Test runs of articles were made separately and in groups to determine the arrangement and page numbers (to satisfy any possible cross references). A file containing all starting page numbers, needed in any case for the table of contents, was compiled before the final run. Final processing was done in one run of TEX and four of LaTeX, using the page number file for reference.

The following articles were prepared using LaTeX; the starred items required the doc-option.

- Don Hosek, *Guidelines for creating portable METAFONTcode*, page 173.
- Tom Reid and Don Hosek, *Report from the DVI driver standards committee*, page 188.
- Malcolm Clark, *TEXline: A newsletter of the TEX community*, page 193.
- Don Hosek, *Announcing (belatedly) TEXMAG*, page 192.
- Peter Abbott, *UKTEX and the Aston archive*, page 194.
- Ted Nieland, *The DECUS TEX collection*, page 195.
- * Frank Mittelbach and Rainer Schöpf, *A new font selection scheme...*, page 222.
- Dezső Nagy, *A bar chart in LaTeX*, page 239.
- Hubert Partl, *Producing on-line information files with LaTeX*, page 241.
- * Frank Mittelbach, *The doc-option*, page 245.
- * B. Hamilton Kelly, *The autodoc-option*, page 274

Output

The bulk of this issue was prepared at the American Mathematical Society on a VAX 6320 (VMS) and output on an APS-μ5 using resident CM fonts and additional downloadable fonts for special purposes. The items listed below were received as camera copy; they were prepared on the devices indicated. The output devices used to prepare the advertisements were not usually identified; anyone interested in determining the device used for a particular ad should inquire of the advertiser. The appearance of the printed pages can be taken as representative of output from the devices which produced them.

- Unidentified:
- all advertisements.
- Apple LaserWriter (300 dpi): David Salomon, *DDA methods in TEX*, page 207, figures only.
- Canon CX (300 dpi): Georgia Tobin, *Another dingbat idea*, page 166.

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	
	TUGboat back volumes 1980 1981 1982 1983 1984 1985 1986 1987 1988 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 $50 $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)
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____