TUGboat, Volume 9 (1988), No. 3

Calendar

1988

Nov 4  UK \TeX Users Group, inaugural meeting.
       University of Nottingham, England.

Nov 24 NTG — Nederlandse \TeX Gebruikers, meeting.
       ENR, Petten, The Netherlands.
       (See report, page 316.)

Dec 5–9 ACM Conference on Document Processing Systems,
       Santa Fe, New Mexico.
       For information, contact
       Peter Orbeton, (617) 577-8500 or
       Orbeton.chi@xerox.com.

1989

University of New Mexico, Albuquerque

Jan 9–13 Intensive Beginning/Intermed. \TeX

Florida State Supercomputer Research Institute, Tallahassee

Jan 9–13 Advanced \TeX/Macro Writing

Jan 9–13 Intensive Introduction to \LaTeX

California State University, Northridge

Jan 9–13 Output Routines

Jan 17 TUGboat Volume 10, No. 1:
       Deadline for receipt of manuscripts.

Apr 15 Protext V Conference.
       October 4–6, Boston, Massachusetts.
       Call for papers: Submit 1 page abstract
       and paper (6 page maximum) to
       Programme Committee, Protext
       Conference, INCA, P. O. Box 2, Duűn
       Laoghaire, Ireland.

May 1 TUGboat Volume 10, No. 2:
       Deadline for receipt of manuscripts
       (tentative).

Jun 29–30 NTG — Nederlandse \TeX Gebruikers, “\TeX happening”.
       Utrecht, The Netherlands.
       (See report, page 316.)

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

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

Aug 14–18 Short Courses: to be announced

Aug 21–23 TUG Annual Meeting

Aug 24–25 Short Courses: to be announced

Sep 11 TUGboat Volume 10, No. 3:
       Deadline for receipt of manuscripts
       (tentative).

Oct 4–6 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, Duűn Laoghaire, Ireland;
       +353-1-613749.

Oct 12–13 RIDT'89 — Raster Imaging
       and Digital Typography.
       Ecole Polytechnique Fédérale,
       Lausanne, Switzerland.
       For information, contact
       Prof. R.D. Hersch,
       Lausanne, Switzerland;
       (4121) 47 43 57/693 43 57
       or hersch@elde.epfl.ch;
       or Debra Adams, (415) 494-4022
       or adams.pa@Xerox.com.
       (See announcement, page 316.)

For additional information on the events listed
above, contact the TUG office (401-751-7780) unless
otherwise noted.

Status as of 17 October 1988
Dutch TeX Users Group

In late June, a Dutch TeX Users group was formed. Its name is 'Nederlandse TeX Gebruikers' or NTG for short. At the moment roughly 60 persons are members. Whether institutions as well as individuals can become members is a minor organisational detail, and will be settled in due time. The members come from universities (computing centres and press departments as well as faculties), publishers, typesetters, software houses, governmental departments, telephone company, energy centre, philips, computer companies, printer/supplies companies, to name but a few.

Of course, the principal aim of the user group is to facilitate the use of TeX and related products. As a result we make use of a listserv — TeX-NL — to submit (elementary) problems to the community and to transmit the answers, apart from the mhax general possibility. At the moment two (volunteer) TeXperts are willing to answer the various questions.

Another activity is to pass on information, e.g. from similar groups, and cooperate with related groups such as the Dutch SGML group and other (European) TeX user groups. At the first meeting, people with related interests did meet, and as a consequence several small working groups have been formed.

One group considers education and courses, another evaluates products, a third is busy with the various aspects of fonts, the next considers the migration from text processors to TeX and experiences the relation with SGML, etc. Of course, one group is busy with the peculiarities of the Dutch language in relation to TeX, especially public domain hyphenation and template .sty files. In total, 12 working groups have been formed, and hopefully all will be active. The aim of these working groups is to become a source of knowledge and experience, and if necessary to develop material.

Apart from this ‘organised’ form, individuals of course — whether they like it or not — experience publishing with (IA)TeX. The next NTG meeting is in Petten on 24 November at ENR. (Contact G.J.H. van Nes — secretary and host ENR Rekencentrum, Postbus 1, 1755 ZG Petten, The Netherlands, +31/2246 4185. Bitnet: VANNES@PEENR51 DECnet: enr001: vannes for further information).

On 29 and 30 June 1989 a general Dutch TeX-happening is scheduled at Utrecht, where the users group will show, teach and talk about the features of TeX, etc., as a tool for document preparation.

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RIDT'89 — International Workshop on Raster Imaging and Digital Typography
Ecole Polytechnique Fédérale
Lausanne, Switzerland
October 12–13, 1989

Raster image processors for non-impact printers and plotters require highly sophisticated algorithms and performant hardware. Outline character acquisition, design, manipulation and rasterization, as well as graphic and image rendering are of major concern to scientists and engineers involved in the development of raster imaging devices.

Authors are invited to submit papers describing original research results on the most relevant and recent developments in digital typography and raster imaging. Contributions are welcomed on any of the topic areas covered by the above theme. This includes (and is not limited to):

- Shape acquisition (curve fitting)
- Shape manipulation
- Character design
- Character representation and transformation
- Measuring type quality
- Character structures (generation/recognition)
- Page description languages
- Rasterization algorithms
- Rasterization accuracy
- Fast rasterization hardware

Call for Papers
Submit extended abstracts (2-3 pages) or full papers in English by January 15, 1989. Authors will be notified by March 15, 1989. Camera ready full papers are due by April 29, 1989.
The abstracts should contain: Title, Authors, Authors' affiliation, Keywords, Main Text, References, and Authors' Biography. All accepted papers will be published in the Conference Proceedings.

Potential contributors are encouraged to give advance notice of their intention to submit a paper. Send abstracts to:

Prof. Roger D. Hersch
LSP/EPFL
37, avenue de Cour
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(4121) 47 43 57
Bitnet: HERSCH@ELDE,EPFL.CH

Prof. Hersch is chairman of the Program Committee. Vice-chairpersons are Debra Adams, Xerox PARC (adams.par@xerox.com), and Jacques André, INRIA/IRISA (jandre@irisa.uucp). Chuck Bigelow and Richard Southall are also on the Committee.

Late-Breaking News

TExhax Moves North
Pierre A. MacKay

The TExhax mail digest is about to move north to the University of Washington. Since its beginning, this digest has been maintained entirely out of Stanford University, but it will now be added to the other services of the TEx Users Group, and we will be working toward a close association and integration of the electronic mail digest with the published issues of TUGboat.

The TEx Users Group has provided funding for an editorial position so that it will be possible to work over each issue, and to develop data-bases, macro libraries and other similar aids from the correspondence.

The new moderators will be Pierre MacKay and Tiina Modisett. For the first months after November 1, our principal effort will be to live up to the standards already set by previous moderators, but we are already drawing up plans for the other services suggested above. We are deeply grateful to the moderators who have kept TExhax going during the past, and most particularly to Malcolm Brown, who is aiding us through this period of transition.

Production Notes
Barbara Beeton

Input and input processing

Electronic input for articles in this issue was received in several forms: mail, floppy disk, and file transfers to the AMS computer. One article was accepted in the form of camera copy (see the section on output), as were several figures that required special fonts or that could not be prepared on the American Mathematical Society's typesetter for other reasons.

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. (When possible, a copy of the file actually used for production is returned to the author, along with the current version of the macros, if the author has requested them. This seems to provide authors with incentive to write again for TUGboat.)

Articles in which no, or limited, \TeX coding was present were tagged according to the tugbot.sty conventions. Articles tagged according to the author's own schemes were modified sufficiently to permit them to be merged with the rest of the stream. Special care was taken to identify macro definitions that conflicted with ones already defined for TUGboat. In the case of \LaTeX-based articles, it was not necessary to consider interactions with other articles. (\documentstyle{article} is the basis for ltugbot.sty; I have not yet devised a method of processing multiple articles in a stream, so each is processed separately, and physical pasteup is used where required to merge partial pages.) For PLAIN-based articles, the side-effects of an author's own definitions can usually be kept to a minimum by posting \begingroup...\endgroup around the article.

Most submissions for this issue were PLAIN. For these items, test runs of \TeX separately and in groups were used to determine the arrangement and page numbers (to satisfy any possible cross references). The final processing of these articles was a single \TeX run, with ranges of page numbers skipped where \LaTeX-based items would be inserted. \LaTeX items, as mentioned above, were processed individually, and arranged in the proper order after camera copy was produced.