The use of \TeX for small/newly emerging enterprises

Committee

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How to register

Those who are interested in taking part are kindly asked to fill in the following form and send it via e-mail to the address eurotex at cspguk11.bitnet.

I intend to take part in Euro\TeX\,92, Prague (14.-18.9.1992)
name: 
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Please send more detailed information on Euro\TeX to the following e-mail address (please fill in):

Or copy the following form, fill in using block letters, and send to the address:

CS \TeX — EURO\TeX\,92
Mathematical Institute
Sokolovska 83
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Name: ____________________________
Institution: ____________________________
Position: ____________________________
Address (business or home—circle one):

I intend to visit Euro\TeX\,92 in Prague (September 14. — 18.(20.), 1992)

(Signature)

On behalf of the organizers:
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Production Notes

Barbara Beeton

Input and input processing

Electronic input for articles in this issue was received by mail and on diskette. Most articles were fully tagged for TUGboat, using either the plain-based or \LaTeX conventions described in the Authors’ Guide (see TUGboat 10, no. 3, pages 378–385). Several authors requested copies of the macros (which we were happy to provide); however, the macros have also been installed at labrea.stanford.edu and other good archives, and an author retrieving them from an archive will most likely get faster service. Of course, the TUG office will provide copies of the macros on diskette to authors who have no electronic access.

The number of articles in this issue was heavily weighted toward \LaTeX. Of the major articles, only seven were not in \LaTeX; and of those, one was submitted as a \dvi file. Pages were more evenly divided, with about 60\% in \LaTeX. In organizing the issue, attention was given to grouping bunches of plain or \LaTeX articles, to yield the smallest number of separate typesetter runs, and the least amount of handwork pasting together partial pages. This also affected the articles written or tagged by the staff, as the conventions of tugboat.sty or ltugboat.sty would be chosen depending on what conventions were used in the preceding and following articles; no article was changed from one to the other, however, regardless of convenience.

We ran into only a few problems arising from one author’s macro definitions affecting later articles, and these were relatively easily eliminated, once they were recognized. We did uncover another lapse in the \LaTeX routines for combining articles—failure to reset the figure counter resulted in the number of the first figure in one article to have a value considerably greater than 1.

Continuing with tradition, several articles required font work; these included the articles by Mylonas and Whitney (p. 39) and Tutelaers (p. 85).
The latter also required the use of PostScript output devices, and occasioned my first direct use of the Math Society’s Compugraphic 9600 Imagesetter. The article by Graham Asher (p. 13) was prepared using Type & Set, and delivered via the network as a uuencoded dvi file.

The following articles were prepared using the plain-based tugboat.sty:
- Toby Thain, Packing METAFONTs into PostScript, page 36.
- C. Mylonas and R. Whitney, Modern Greek with adjunct fonts, page 39.
- Alan Hoenig, Just plain Q&A, page 60.
- L. Siebenmann, Elementary text processing and parsing, page 62.
- Jonathan Fine, Some basic control macros, page 75.
- the TUG calendar, page 106.
- announcement of EuroTeX 92 in Prague, page 107.
- these Production notes
- “Coming next issue”

Output
The bulk of this issue was prepared at the American Mathematical Society from files installed on a VAX 6320 (VMS) and TeX’ed on a server running under Unix on a Solbourne workstation. The Mylonas/Whitney article was prepared by Ron Whitney on an IBM PC-compatible 386 using PC TeX. The article by Asher was prepared on an IBM PC-compatible using EMTEX and the suite of pre- and post-processors described in the article. Most output was typeset on an APS-μ5 at the AMS using resident CM fonts and additional downloadable fonts for special purposes. The two exceptions were the articles by Rahtz (p. 34) and Tutelaers, which contained PostScript inclusions and were set on the Compugraphic 9600 Imagesetter at AMS.

One photograph, photographically screened in the traditional manner, appears in the article about Sam Whidden (p. 11).

The output devices used to prepare the advertisements were not usually identified; anyone interested in determining how a particular ad was prepared should inquire of the advertiser.

**Coming Next Issue**

Arrows for technical diagrams
David Salomon, requiring arrows of more varieties than are available in unextended (I)TEX, has created a font of arrowheads. Since TeX does not have diagonal rules, only horizontal and vertical arrowheads were developed. However, the methods used can easily be extended for diagonal arrowheads. (Originally intended for the present issue, this item was delayed by technical problems in generating new fonts.)

Approaching SGML from TeX; SGML Questions and Answers
Two articles. The first, by Reinhard Wonneberger, present arguments for taking a standardized approach to document preparation using structural markup, as embodied in SGML, and for implementing the formatting with TeX.

The second, by Wonneberger and Frank Mittelbach, provides explanations of the terminology and concepts of SGML in a question and answer format.

ZzTeX: A macro package for books
Paul Anagnostopoulos describes the design decisions behind a macro package intended to produce books to varying specifications with a minimum of macro modification. A book is considered as a structure of blocks, each of which may contain independent design specifications as well as specs governing the interaction of adjacent or nested blocks. All the usual features of scientific and scholarly books are supported, including cross-referencing and indexing.

XBibTeX and Friends
Support facilities to make BibTeX input more straightforward and reliable are described by Chris Bischof.

Book reviews
New books about TeX and related subjects are appearing from every direction imaginable. Reviews of LaTeX for Everyone, by Jane Hahn, and Practical SGML, by Eric van Herwijnen, are on hand, and at least one more is expected.