

- The use of  $\TeX$  for small/newly emerging enterprises

### Committee

Peter Abbott	Erich Neuwirth
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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: \_\_\_\_\_

userid: \_\_\_\_\_

node: \_\_\_\_\_

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  
186 00 PRAHA 8 - Karlín  
Czechoslovakia

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:

Karel Horak  
Jiří Veselý  
Jiří Zlatuška

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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.
- Kees van der Laan, *Tower of Hanoi*, page 91.
- abstracts of the *Cahiers GUTenberg*, page 101.
- the TUG calendar, page 106.
- announcement of Euro $\TeX$  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 EM $\TeX$  and the suite of pre- and post-processors described in the article. Most output was typeset on an APS- $\mu$ 5 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 (L<sup>A</sup>) $\TeX$ , 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.

### Zz $\TeX$ : 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.

### XBib $\TeX$ and Friends

Support facilities to make Bib $\TeX$  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 *L<sup>A</sup> $\TeX$  for Everyone*, by Jane Hahn, and *Practical SGML*, by Eric van Herwijnen, are on hand, and at least one more is expected.