Jul 24–29 SIGGRAPH'94: 21st International
            ACM Conference on Computer
            Graphics and Interactive Techniques.
            Orlando, Florida. (For information,
            contact `siggraph-94@siggraph.org`,
            telephone 312-321-6830.)

Jul 31–   **TUG 15th Annual Meeting,**
   Aug 4   Santa Barbara, California.
            For information, contact
            Debbie Ceder (`tug94@tug.org`).

Aug 17   ***TUGboat* Volume 14,**
            3rd regular issue:
            Deadline for receipt of *technical*
            manuscripts (tentative).

Sep 14   ***TUGboat* Volume 14,**
            3rd regular issue:
            Deadline for receipt of news items,
            reports (tentative).

Nov 23   ***TUGboat* Volume 14,**
            3rd regular issue:
            Mailing date (tentative).

For additional information on the events listed above, contact the TUG office (805-963-1338, fax: 805-963-8358, email: `tug@tug.org`) unless otherwise noted.

Production Notes

Barbara Beeton

Input and input processing

Electronic input for articles in this issue was received by e-mail and on diskette, and was also retrieved from remote sites by anonymous ftp.

In addition to text amd various code files processable directly by TeX, the input to this issue includes several encapsulated PostScript files. More than 60 files were required to generate the final copy; over 60 more contain earlier versions of articles, auxiliary information, and records of correspondence with authors and referees. These numbers represent input files only; .dvi files, device-specific translations, and fonts (.tfm files and rasters) are excluded from the total.

Most articles as received 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). The macros are available from CTAN (the Comprehensive TeX Archive Network); see *TUGboat* 14, no. 2, p. 100. The TUG office will provide copies of the macros on diskette to authors who have no electronic access.

Almost 75% of the articles in this issue are in LaTeX, accounting for about 85% of the pages.

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 2 runs of TeX and 3 of LaTeX, using the page number file for reference.

The following articles were prepared using the `plain`-based `tugboat.sty`:

- the NTS update, Philip Taylor, page 381
- Two extensions to GNU Emacs, Thomas Becker, page 382
- Icons for TeX and METAFONT, Donald Knuth, page 387
- A tough table, Kevin Carmody, page 420
- the TUG calendar, page 438.
- these Production notes.
- "Coming next issue".

The index to the article by Nelson Beebe (page 395) required processing with Makeindex. A 1991 version of this program failed miserably under both VMS and UNIX, first looping and then terminating with a segmentation fault/invalid access. Thanks to George Greenwade a more recent version was found on CTAN and installed under the pressure of the deadline; this version did work properly. `bibclean`, the package described in this article, will be available in the archives, as will the article; anyone intending to TeX the article is advised to make sure that their copy of Makeindex is up to date.

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. Output was typeset on the Math Society's Compugraphic 9600 Imagesetter, a PostScript-based machine, using the Blue Sky/Y&Y PostScript implementation of the CM fonts, with additional fonts downloaded for special purposes.

No pasteup of camera-ready items or illustrations was required for this issue.

Coming Next Issue

Typesetting of ancient languages

The visual characteristics of ancient languages were based originally on manuscript traditions, not those of printing. Claudio Beccari provides some history and proposes an approach that, while not adhering strictly to ancient traditions, may be more suitable for modern presentations of ancient works. [Delayed for technical reasons.]

Slanted lines with controlled thickness

David Salomon describes a method that makes it possible to typeset slanted lines of any thickness by typesetting a rule, shifting it in the desired direction, and repeating the process a number of times.

New techniques in METAFONT

Certain geometrical problems that arise very often in glyph design are not directly solvable by METAFONT's plain macros. Yannis Haralambous presents two such problems and solutions for them, along with a discussion of an approach that, although geometrically correct, does *not* work in real-world METAFONT practice and should be avoided.

Book reviews

Writing new books about TeX and related subjects has become a cottage industry. Reviews of the following are expected:

- Stephan von Bechtolsheim, *TeX in Practice*
- Malcolm Clark, *A Plain TeX Primer*
- George Grätzer, *Math into TeX*
- and possibly others ...