

- 1 September 1994: Confirmed registration
(cancellation charged at
50%)
- 15 September 1994: Late registration (no
cancellation possible)

Bursaries. As with EuroTeX 92 and the TUG meeting at Aston last year, it is hoped to be able to offer financial assistance to delegates who would otherwise be unable to attend; of course, we cannot be sure at this stage that sponsors will be as generous as they have been in the past, but intending delegates who will need assistance in order to be able to attend should state the *minimum* bursary which would allow them to be able to attend, and should give clear reasons why they are applying. All applications will be treated in the strictest confidence. Delegates who are in no need of a bursary and who are able to assist others less fortunate are urged to pledge a donation.

Tutorials and Courses. It is intended to offer both tutorials (which will take place during the week of the conference proper), and courses (which will take place during the week following the conference). Proposed topics include book design and L^AT_EX 2_ε, but no firm decisions have yet been taken on topics, durations or costs. ('Tutorials' are usually of one day or less; 'courses' are usually of one day or more. Although no firm decisions have been taken at this stage, it is possible that tutorials will be free of charge whilst courses will be charged for. Every effort will be made to ensure that even charged-for courses are affordable and in line with local currency values.) Further details concerning this area will be circulated as soon as they are known. If you are interested in particular tutorials or courses, or wish to suggest topics, please communicate this to the Conference Organisers.

Address for further information.

Conference Organisers, EuroTeX '94
 % Włodek Bzyl
 Department of Mathematics
 University of Gdansk
 Wita Stwosza 57
 80-952 Gdańsk
 Poland
 E-mail: Włodek Bzyl (Mathematics)
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When writing to the Conference Organisers, please state your name, full postal and e-mail addresses, phone and fax numbers. Use "EuroTeX '94" as the subject and include this text in the message: "Please add my name and address to the EuroTeX 94 mailing list and keep me posted of developments."

TUG Business

Meet the Board, Part I

The 1993 election for the Board of Directors did not attract as many candidates as there were open positions — the entire Board was up for election, and 15 is a rather large number. According to the TUG Election Procedures, when the number of candidates is fewer than the number of open positions, all candidates who have met the qualifications are to be declared elected by acclamation. As you have already read (*TEX and TUG NEWS* Vol. 2, No. 4, p. 21 and Christina Thiele's "Opening Words" in this issue), three additional positions have been filled by appointment.

But, . . . , this means that TUG members never had the opportunity to read the biographies and personal statements of the candidates. Without this information, it is difficult to know the particular interests of each, and what their vision is for the future of TUG.

The first installment of the statements is presented here, and the remainder will appear in the next issue. Take time to read them. If you have questions for any of these people, feel free to contact them. They have agreed, after all, to serve the interests of you, the members.

The statements appear in alphabetical order by name of the Board member, with the ending year of that person's term of office in parentheses after the name. Effective with this Board, terms of office end with the annual meeting of the year shown.

Barbara Beeton
For the Elections Committee

Barbara Beeton (1995)

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Biography:

TUG: charter member of TUG; charter member of TUG Board of Directors; *TUGboat* production staff since 1980, Editor since 1983; committees: publications, bylaws, elections; chair, Technical Working Group on Extended Math Font Encoding; liaison from Board to Knuth Scholarship Committee 1991-1992

Employed by American Mathematical Society: Staff Specialist for Composition Systems; involved with typesetting of mathematical texts since 1973; assisted in initial installation of \TeX at AMS in 1979; implemented the first AMS document styles; created the map and ligature structure for AMS cyrillic fonts

Standards organizations: active since 1986 in ANSI X3V1 (Text processing: Office & publishing systems), ISO/IEC JTC1/SC18/WG8 (Document description and processing languages); developing the standard ISO/IEC 9541:1991 Information technology — Font information interchange

AFII (Association for Font Information Interchange): Board of Directors, Secretary since 1988

Personal statement:

TUG has changed in the past few years, with its transition from an appointed to an elected Board. Those charged with shaping its future direction have tried to do so in a way that encourages participation by all members, not just a few. Similarly, the typographic landscape has changed as well, and though the object that is our focus — \TeX — is still a tool of undeniable utility, it is just part of a growing pool of text processing software, some of it borrowing from the features that first attracted us to \TeX . I maintain my commitment to Don Knuth's original goals for this tool: high typographic quality and portability. Within this framework, my goal is to continue working for unconstrained communication among \TeX users, to encourage exploration of techniques consistent with the typographic excellence we have come to expect, and to act as a historian of the \TeX community when that is appropriate.

Mimi Burbank (1996)

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Biography:

My job over the past 8 years at the Supercomputer Computations Research Institute (SCRI) has evolved from technical typing to coordinating all publications efforts for a large research institute. We support a large community of research scientists (and their international group of collaborators), university faculty and administrative staff. We maintain a \TeX publications database, coordinate

conferences and publish proceedings, and coordinate the distribution of informational material to remote users at a large number of international sites. I also have had the opportunity to work with a large number of people from widely diverse cultural and scientific backgrounds.

My association with the \TeX Users Group began in 1985. I've attended quite a number of classes, have sponsored classes here at Florida State University (FSU), and for the past three years have worked as an editor/co-editor of the TUG Annual Proceedings issues. During the past year I've served on the TUG Conference Planning Committee and the Publications and Documentation Committee. I've corresponded with many TUG members electronically, and have met and talked with many of you at Annual TUG Meetings since 1986.

Personal statement:

As a board member I would be interested in actively involving members of our \TeX community in

- improving the lines of communication between users;
- establishing databases of information/sources of instructional information for new users, as well as \TeX wizards;
- promoting the dissemination of information to Local User Groups;
- the growth of *\TeX and TUG NEWS*;
- most importantly, the active and aggressive recruitment of new members; and
- providing a source of support for new users.

Jackie Damrau (1996)

[Editor's note: With the demise of the Super Collider project, Jackie has a new job. Her biography is what would have appeared on the ballot last fall, but the address below is new.]

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Biography:

I've been working at the Superconducting Super Collider Laboratory since 1989, where I directly support \TeX on various computer platforms. This includes collecting public domain and commercial \TeX and \TeX -related packages. I also have taught several in-house classes and brought outside consultants in to teach specialized \TeX training classes. As the \TeX support person, I answer staff questions on the use of \TeX , as well as locate specialized macro files for our users.

I have been active with the TeX Users Group since 1985, and have attended seven of the last eight conferences. Currently I serve on the TTN editorial staff (where I'm one of four panel judges in the A-in-LATeX Contest), and am Associate Editor of the L^ATeX column for TUGboat. As well, I chair the Conference Planning Committee, which is working on providing documentation for site proposal bids, and for running meetings.

Personal statement:

As a Board member, I would be interested in:

- expanding the scope of TeX users to other users groups, such as DECUS (DEC Users' Society) and STC (Society for Technical Communication);
- providing guidelines for future conference site proposals for successful users meetings;
- supporting the continuing growth of TTN; and
- recruiting existing members into volunteering their hidden talents to make the TeX Users Group a continued success.

Luzia Dietsche (1997)

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Biography:

Luzia S. Dietsche was born in Freiburg/Germany where she received her education. In 1982 she began to study German and History, first in Freiburg then in Heidelberg. Since 1988 she is working in the computing center of the University of Heidelberg responsible for TeX support, TeX installation and documentation with and about TeX. She teaches classes and advises users at the University.

In 1989, when DANTE e.V. (the German speaking TeX users group) was formed, she was one of the founding members and elected first secretary, a position she has held ever since. She is also doing the job of a business manager for DANTE e.V., organizing management of membership, software distribution and working groups. Besides this she is involved in editing the journal of the association. DANTE e.V. increased rapidly since its foundation (more than 2500 members) and Luzia is the driving force behind this development.

Since 1991 she is a member of the first *Board of Directors* ever been elected by TUG members. She is involved in various committees, two of which are working on "Special Vice Presidents", and the "Promotions Committee" which tries to advance TeX and TUG.

She is well known among TeXies throughout the world for her knowledge as well as for her ability to carry through her plan and to accomplish her objective. Over the last years she has taken an important part in organizing all major TeX-related events in the German speaking countries, and some outside as well.

Besides all that she is working for various publishers as a consultant and macro writer and helps to spread the knowledge about TeX in the commercial world.

Personal statement:

Being in the board for two years, trying to help TUG to become reorganized, I feel it is time to establish a new TUG. This will lead to an increasing number of members, what is still most urgently needed. Another way to achieve a wider acceptance are better public relations and promotions of TUG and TeX. This would not only help TUG, but also TeX as a software product, in a market which is more and more dominated by other typesetting systems. To force this development it is necessary to make a better and versatile documentation available, for new as well as for advanced users. There is a need to provide more information on new developments, more services, coordination of existing and new interest groups, and getting new contacts to publishers and computer companies, ...

Michael Doob (1995)

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Personal statement:

I am a professor in the Mathematics Department. I do research in algebraic graph theory, and in the course of writing my first book in that area I became interested in mathematical typesetting. After an aesthetically disappointing first printing, I learned about TeX and, after some exposure, what an extraordinarily beautiful tool it is. After writing two more books and editing two others, I believe that we have still just seen the tip of a fundamental change in mathematical communication. The presence of TUG, particularly on the Internet, can be of great value.

I am the TeX editor for the Canadian Mathematical Society. Our journals are done completely in TeX, sometimes from author manuscripts, sometimes from author-submitted TeX source files. Some

of the most extraordinary but unfortunate constructions are used by authors. Many authors put in a great deal of (wasted) time and effort to format their documents; it all has to be undone, much to their disappointment. There is an educational job that needs to be done, and I would like to see TUG help with this.

The installation of \TeX can be painful; to some extent this is necessary with a complex program in a complex environment. I would like to see TUG help with scripts for generic installations of the freely available packages.

I attended my first TUG meeting in 1982. At that time the IBM PC was just a year old, there were no Macintoshes, there was no PostScript, there were very few UNIX workstations and almost no laser printers. The fact that \TeX is the major mathematical typesetting tool a dozen years later is a tribute to its flexibility. TUG has contributed to the adaptation of \TeX to the changing environment; I want it to continue to do so.

Michel Goossens (1995)

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Biography:

After obtaining a PhD in high energy physics at the University of Brussels (Belgium), I joined CERN, the European Laboratory of Particle Physics in Geneva (Switzerland) in February 1979 as a research physicist. Realizing the importance of good documentation, I soon became active in the field of text processing and documentation.

In the course of my work I have come into contact with several text processing systems, from DCF/Script to groff, from mainframes to Macs — and, of course, \LaTeX . As a scientific institute, CERN physicists and engineers use mainly \LaTeX for publishing papers and writing documentation. Therefore, since 1988 I have become more and more involved in solving problems and developing tools related to \TeX , and especially \LaTeX . Realizing the importance of training I have taught several courses on \LaTeX at CERN and at \TeX conferences, and have written several articles on \LaTeX , both for CERN and in various journals. Together with Frank Mittelbach and Alexander Samarin I recently published "The \LaTeX Companion", which describes $\LaTeX 2_{\epsilon}$.

Interesting developments have taken place recently in the area of using \LaTeX document sources for generating hypertext documentation, and my present interest includes developing tools to easily translate \LaTeX into SGML-like tagging schemes, which form the basis of most hypertext systems, such as the popular WWW.

At the same time the issue of efficient, powerful and platform-independent graphics has become an important issue, and I also have an ongoing interest in general PostScript support to use that language as an efficient and portable transport format for all graphics and text processing applications.

Personal statement:

As a collaborator in a large international scientific organization, and thanks to my daily contacts with users from many countries on all continents, I feel I can make essential contributions in the areas of:

- real multinational and multi-language support for $(\LaTeX)\TeX$;
- training and documentation (in English and national languages);
- follow the developments of $e\text{-}\TeX$ and NTS, especially the 16-bit variants to support non-Latin languages;
- cross-platform tests of new developments;
- interfaces to SGML/HTML/multimedia products;
- stimulate the use of PostScript as graphics lingua franca;
- make \TeX better known in the non-scientific sectors of activity (administration, humanities).

Tom Rokicki (1995)

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Biography:

I was introduced to \TeX in 1983 at Texas A&M University, where I was studying electrical engineering. Under the guidance of Norman Naugle, I wrote several drivers and utilities, and wrote $\TeX 2C$, the basis for the current popular $\text{web}2c$ system on which most ports of \TeX are based.

In 1985, I joined the \TeX project at Stanford, where I designed the PK font file format and developed the PK utilities. As the proud owner of an Amiga in 1986, I implemented $\text{Amiga}\TeX$ and its previewer and printer drivers, including dvips . The NeXT was another irresistible attraction, so I began $\text{NeXT}\TeX$ in 1988. More recently, I had the

opportunity to assist Arvind Borde with \TeX Help, an on-line \TeX reference.

I am presently a member of the technical staff at Hewlett-Packard Laboratories in Palo Alto, California.

Personal statement:

Computing and printing environments have changed drastically since the inception of \TeX . As computer speeds and screen and printer resolutions have risen, so have the expectations of users. Where once users were awed by simple ligatures and kerns, now users expect four-color separations with fountains, chokes, and spreads. With \TeX essentially frozen, any new features must derive from preprocessors, postprocessors, and drivers. The establishment and adoption of implementable, extensible, powerful standards for these new features is essential to maintaining the portability of \TeX . As a board member of TUG, I intend to use my experience with the technical aspects of \TeX to help encourage the design, development, and adoption of standards for specials, graphics, color, media, pagination, font encoding, and other important extensions.

Production Notes

Barbara Beeton

Input and input processing

Electronic input for articles in this issue was received by e-mail and on diskette.

In addition to text and various coded 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.

By number, 85% of the articles in this issue are in \LaTeX , but only about 57% of the pages. The three articles by David Salomon were all tagged for the plain-based `tugboat.sty`; one of them redefined the entire verbatim system, requiring that it be processed separately from the others (which also incorporated verbatim segments, but without affecting the *TUGboat* macros).

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 2 of \LaTeX , using the page number file for reference.

In addition to the three articles by Salomon, The following material was prepared using the plain-based `tugboat.sty`:

- the TUG calendar, page 66.
- 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. 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.

Photographs illustrating the article by Claudio Beccari (p. 9) were converted to halftones by traditional means. Two diagrams for the Salomon/Hendryx article on "Slanted lines" (p. 59) were provided as camera-ready copy and pasted in.