The 14th Annual TEX Users Group Meeting

A World-Wide Window on TEX

Aston University, Birmingham, UK

July 26th – 30th, 1993

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1 First announcement

The TEX Users Group is pleased to announce its fourteenth annual meeting, entitled *A World-Wide Window on TEX*, to be held at Aston University (Birmingham, U.K.), between July 26th – 30th, 1993. This meeting is the first annual TUG meeting to be held outside the North American continent, and the TUG Board and Conference Committee extend a special invitation to TEX users in Europe and world-wide who may previously have been unable to attend a TUG annual conference. If you would like to attend the Conference, and/or any of the courses which will be run during the week preceding and the week following the Conference proper, please complete the accompanying form and return it as soon as possible.

Payment may be made by cheque or by company order, but a surcharge will be levied on payment by company order; payment by credit card (Mastercard, Visa, and affiliated cards) and debit card (Delta, Switch) can also be accepted. Cheques should *either* be drawn in £ sterling and made payable to TUG'93, *or* drawn in US dollars and made payable to TEX Users Group; those wishing to pay by credit or debit card are requested to provide their card details. The prices are quoted in these notes in £ sterling, but the booking form[1] also lists the appropriate US dollar rates. All prices inclusive of tax.

The conference is a formal TUG meeting, and the prices quoted therefore give full discount to TUG members (£ 100.00). Those who are paid-up members of other TEX user groups benefit from a 50% discount (£ 120.00); if they wish to also take out TUG membership at this time, the additional cost is £ 20.00, *but this is optional*. Those who belong to no user group pay full price (£ 140.00), and also become full TUG members for the current year. Full-time students pay 50% of the TUG member rate, but do not become members. Applications received after May 10th will be subject to a surcharge of £ 15.00.

Various combinations of booking options are available, and whilst it is hoped that the accompanying form is reasonably straightforward, some explanation may be in order.

The conference fee is obligatory for all participants other than (i) accompanying persons and (ii) those solely interested in attending one or more courses.

Accommodation options include: *none* (for local residents and those wishing to make their own accommodation arrangements; as there are no family rooms available in the standard accommodation options, family parties may wish to take this option); *basic* (which is bed and breakfast in student residences) at £ 16.00 per night; *business* (which is bed and breakfast in the Aston Business School) at £ 50.00 per night; and *executive* (as business, but with *en suite* facilities, telephone and television) at £ 70.00 per night. Although we are unable to offer assistance to those wishing to make their own reservations with local hotels, a special arrangement has been made with the nearby Royal Angus Thistle Hotel whereby family rooms may be booked at £ 29.80 per night during weekends and £ 53.14 per night during the week; to qualify for these rates, it is *essential* to mention both the TUG'93 conference and the name of either Peter Abbott or Maureen Campbell; the hotel's telephone number is +44 21 236 4211.

Meals include the conference banquet, lunches, afternoon tea and morning coffee. Apart from the banquet, no dinners are offered, to allow participants the opportunity to sample some of Birmingham's many splendid restaurants, including the inexpensive ethnic establishments for which the City and its environs are justly famous. The conference banquet is £ 22.00, and coffee/tea/lunch is charged at £ 8.00 per day.

Courses are offered during the week preceding and the week following the conference proper, and are charged at a fixed rate depending upon the duration (and therefore regardless of level); the charges are: 1 day: £ 75.00; 2 days: £ 140.00; 3 days: £ 195.00; 4 days: £ 240.00; and 5 days: £ 275.00. These prices include lunch and refreshments for the duration of the course, and also include a TEX or LATEX manual for the intensive-introductory courses (students are advised to bring their own manuals for the other courses).

Social functions include the reception; the conference

[1] Ask NTG secretary for booking form.

banquet; and a cultural event for those wishing to combine TEX with the arts; this last will include a coach trip to Stratford and seats at a performance of *King Lear*, and will be charged at £40.00. Other social events may be organised between the publication of this announcement and the start of the conference, and these will be clearly notified to participants in their 'welcome pack', which will also include a guide to Aston University, Birmingham, the Black Country and the Midlands.

Finally, there is one feature of the accompanying form which the organisers hope will attract widespread support: travellers will be aware how biased the exchange rate is in favour of Western countries; because of this disparity, participants from Central and Eastern Europe and from other financially disadvantaged countries are expected to experience considerable difficulty in raising sufficient funds to enable them to attend TUG'93. The organisers ask those from more financially advantageous backgrounds to make a donation to assist others who, for financial reasons, might otherwise be unable to attend; the organisers undertake to distribute all monies so raised among deserving applicants, and to carry forward any unspent monies to boost a similar fund for next year's and future conferences; many national and language-based TEX users groups are also being approached to contribute to this fund. There is, of course, provision on the accompanying form for individuals to make application for a bursary from this fund, as well as to contribute: a separate bursary application form will be sent to those seeking sponsorship under this scheme.

TUG'93 Conference Office
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Aston Triangle,
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phone: +44 21 359 5492
email: `tug93-enquiries@vax.rhbnc.ac.uk`

2 Second announcement

The committee of the TUG '93 conference would like to bring you up to date with plans for this summer's big TEX meeting at Aston University, Birmingham, UK. Booking forms were mailed to all TUG members in mid March, and are now being sent to other user groups. Readers with Internet access who have not received a form can fetch the file 'booking.tex' using ftp from directory `pub/tug93` on `ftp.TeX.ac.uk`, or may request it by email from `tug93-enquiries@vax.rhbnc.ac.uk`.

The five magnificent days of TEX conference will include:

- A first day which includes an introduction TEX to newcomers; bring your partner and get them to learn your obsession! Plus tutorials and special sessions for experienced users.
- A day on typography and design, in conjunction with the DIDOT project.
- A detailed workshop on LATEX3.
- A session on language and font issues.
- A session on TEX standards and the future developments of TEX and related software.
- Discussions of TEX archives.
- A 'problem-solving' panel.
- Birds-of-a-feather groups.

Invited speakers include Christina Thiele, the TUG president, the President of the German TEX User Group, DANTE, and Boguslav Jackowski, the winner of the 'best paper' award at recent conferences in Prague and Karlsruhe.

Some highlights from the accepted papers by speakers from around the world are:

- The Khmer Script tamed by the Lion (of TEX): Yannis Haralambous
- Virtual fonts in a production environment: Michael Doob & Craig Platt
- Readibility of math typesetting: David Murphy
- Russian TEX issues; Looking about and outlook: Irina A. Makhovaya
- Beginners Guide to DSSSL: Martin Bryan
- A PostScript font installer written in TEX: Alan Jeffrey
- A versatile TEX device driver: Minato Kawaguti
- Typesetting Catalan TEXts with TEX: Gabriel Valiente Feruglio
- Bibliography Prettyprinting and Syntax Checking: Nelson Beebe
- Syntactic Sugar: Kees van der Laan

There is a full week of varied TEX courses both before and after the conference proper, of which full details can be found on the booking form.

Socially, we can promise delegates that there will be no dull moments at TUG '93, with

- A half-day trip to Shakespeare country, ending with a performance of King Lear by the Royal Shakespeare Company
- Evening trips to visit a Chocolate Experience or take part in a bowling tournament
- A TEX-related competition with prizes
- Receptions and banquets
- The TEX Users Group annual general meeting

Booking forms returned by May 15th can save 15 pounds ($22.00), and guarantee a place on the trip to Stratford-upon-Avon.

The first draft programme, with names and titles of all speakers, will be issued on May 15th, and will be circulated widely on networks and by electronic mail.

3 Courses

1a20–24 July	5 days	Michael Doob	**TeX for PC users**
1b20–24 July	5 days	To be announced	**TeX for Macintosh users** Prerequisites: knowledge of use of Macintosh, incl editors. Students will get a copy of The TeXBook (or similar) to keep. TeX is the same whatever computer it is run on, but those who prefer to use Macintoshes will choose 1b, while those who are happier with PCs will no doubt select 1a.
2a2–5 August	4 days	To be announced	**LaTeX for PC users**
2b31 July–3 August	4 days	Malcolm Clark	**LaTeX for Macintosh users** Prerequisites: none. Students will get a copy of LaTeX book (or similar) to keep. LaTeX is the same whatever computer it is run on, but those who prefer to use Macintoshes will choose 2b, while those who are happier with PCs will no doubt select 2a.
320–24 July	5 days	Chris Rowley	**More TeX—Macros** Prerequisites: knowledge of TeX as covered by intensive TeX Students to bring their own copy of TeXBook.
42–4 August	3 days	Philip Taylor	**More TeX—output routines** Prerequisites: knowledge of TeX as covered by intensive TeX and TeX Macros. Students to bring their own copy of TeX Book.
531 July–1 August	2 days	Sue Brooks	**LaTeX 2.09 Style files** How to write your own LaTeX style files and modify those written by others. Prerequisites: knowledge of LaTeX as covered by intensive LaTeX and some knowledge of TeX. Students to bring both TeX and LaTeX books.
621–23 July	3 days	To be announced	METAFONT**—logos**
72–6 August	5 days	Yannis Haralambous	METAFONT**—fonts** Prerequisites: none
831 July	1 day	Rosemary Bailey	**Using the TeX family for setting maths (including use of AMS-LaTeX)** Prerequisites: knowledge of LaTeX; reasonable knowledge of producing LaTeX documents and an understanding of mathematical typography conventions.
922–23 July	2 days	Philip Taylor	**Book design in TeX**
1024–25 July	2 days	Goossens/Mittelbach	**Doing more with LaTeX 2.09** Participants will learn about important advanced features not normally covered in books about LaTeX, such as defining and changing commands, environments, counters, lengths, arithmetic calculations, and the structure of the basic formatting tools. Also covered will be the New Font Selection Scheme, and questions of layout modifications.
1122–23 July	2 days	Yannis Haralambous	**Beyond Computer Modern — using other fonts in TeX** How TeX handles fonts; virtual fonts; actual fonts other than CM; font selection schemes. Prerequisites: knowledge of TeX and some understanding of fonts.
1222–23 July	2 days	Sebastian Rahtz	**TeX and PostScript** How to make the most of your PostScript printer when using TeX; including the use of PostScript fonts, the inclusion of PostScript graphics files; achieving special effects with PostScript ‘specials’; and drawing pictures in TeX with PostScript commands. Prerequisites: knowledge of TeX, basic PostScript.

Please note that any course which fails to attract a minimum number of students will be cancelled. In such case, if students cannot be enrolled for an acceptable alternative course, their fee will be refunded in full.

4 Third announcement

Conference themes

- **Multilingual TEX:**
  In addition to many reports on the spreading use of TEX to typeset an ever-increasing variety of languages and scripts, there will be important announcements from TUG's technical working group.
- **TeX Integration:**
  Where does TEX sit in the world of ever-increasing integration of software? windowing systems, document-oriented systems, document interchange and processing standards, active documents, multimedia...
- **TEX Futures:**
  Whither TeX?; TEX–XET-TEX, VTEX, the NTS project, ..., what next?
- **TEX Archives:**
  The Comprehensive TEX Archive Network (CTAN); what it is and what can it do for you?

Conference papers (provisional titles)

- Graham Asher: *Tension*
- Nelson Beebe: *Bibliography Prettyprinting and Syntax Checking*
- Martin Bryan: *Beginner's Guide to DSSSL*
- Michael Doob & Craig Platt: *Virtual fonts in a production environment*
- Gabriel Valiente Feruglio: *Typesetting Catalan Texts with TEX*
- Jonathon Fine: *Fundamental TEX macros for processing structured documents*
- Peter Flynn: *Mixing TEX and SGML: a recipe for disaster?*
- George Greenwade: *The comprehensive TEX archive network – CTAN*
- Yannis Haralambous: *The Khmer Script tamed by the Lion (of TEX)*
- Berthold & Blenda Horn: *Scalable outline fonts*
- Alan Jeffrey: *A PostScript font installer written in TEX*
- Minato Kawaguti: *A versatile TEX device driver*
- Kees van der Laan: *Syntactic Sugar*
- Kees van der Laan: *Sorting in BLUe*
- Michel Lavaud: *Future TEX again*
- Irina A Makhovaya: *Russian TEX issues: Looking about and outlook*
- David Murphy: *Readability of mathematical typesetting*
- John Plaice: *Language-dependent ligatures*
- David Rhead: *Some suggestions on how LATEX3 might approach biblographic references*
- Larry Siebenmann: *A format compiLaTion framework for European languages*
- Larry Siebenmann: *The spacing around mathematics: a quick trip to the limits of TEX*
- Daniel Taupin: *Maps in Metafont*
- Philip Taylor: *A future to TEX*
- Christina Thiele: *The future of TEX and TUG*
- Michael Vulis: *Building a future for TEX*
- Xinxin Wang & Derick Wood: *An Abstract Model for Tables*
- Eddy Zedlewski: *A beginner's guide to the Internet*

Events

- Panel discussions: many of these subjects will be covered by 'question times' with a galaxy of distinguished panelists; contact the organisers if you want to make short contributions:
  - Futures (chair: Philip Taylor)
  - LATEX3 (chair: Rainer Shoepf)
  - Multilingualism (chair: Yannis Haralambous)
  - Archives (chair: George Greenwade).
- Tutorials (in parallel on the morning of Monday 26th, each approximately 1 hour long):
  - Introduction to LATEX: what it is and what it is not, Flavours
  - of TEX: a brief tour of Plain TEX, eplain, LATEX, AMS-TEX, AMS-LATEX, LAMS-TEX, etc.
  - Getting TEX: how to set up and maintain a TEX system for yourself and for your friends
  - Fonts for TEX: how fonts are accessed by TEX itself and the many possibilities for getting 'typeset output'.
- Workshops: informal tutorials and discussions of a range of subjects, including:
  - Virtual fonts (Michael Doob),
  - TEX and multilingualism (Yannis Haralambous),
  - Future of BIBTEX and Makeindex (David Rhead, Joachim Schrod),
  - LATEX3 (Frank Mittelbach),
  - Problem-solving (Philip Taylor).
- Special interest groups (re-named bofs). There will also be opportunities for other special interest groups to meet.
- Welcome party: evening of Monday 26th.
- Orientation: a short introduction to England's 'Second city'.
- Conference Banquet: evening of Thursday 29th
- Either Bowling (10-pin), or visit to 'The Chocolate Experience': evening of Tuesday 27th.
- TUG general meeting: scheduled for the start of the afternoon session on Thursday 29th.
- We also hope to attract exhibits and presentations covering many activities in the area of Electronic Publishing, such as: Bibliographic software, SGML-reLaTed software, Structured-document editors, TEX User Groups from around the world...

Table of Contents TUGboat

Volume 13.4

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TUGboat table of contents files are on `math.utah.edu` in `pub/tex/pub/tugboat`, also accessible via `tuglib@math.utah.edu` server by 'send index from tex/pub/tugboat'.

TUGboat 13.4 (December 1992)