

TUG 1983 Financial Report

(Continued from preceding page)

Notes:

All 1983 expense figures include an AMS overhead charge of 21.29%. Except as indicated, these remarks apply to the 1983 year. The 1984 budget was prepared in June 1983 for the July TUG meeting.

1. 1983 ended with a total of 835 memberships/subscriptions: U.S. - 617; Canada & Mexico - 52; Other Foreign - 166. (Beginning in 1984, foreign air mail postage is included in membership/subscription fee.) As of April 24, 1984, there were 762 members/subscribers, including 57 Institutional Members: 28 educational; 29 non-educational (listed on the inside cover of this issue).
2. Publicizing TUG and the TUG Meeting/Course was accomplished through a news release to 19 trade publications, several of which are known to have published the notice, in addition to direct mailings to members and former members.
3. 200 copies of the 8 back issues of TUGboat were reprinted; in addition, 1,600 copies of each 1983 issue were printed, with those in excess of 1983 membership requirements (835) being charged to back issue printing. In 1983 300 back issues were sold and to date in 1984 200, which suggests that back issues will be a good source of income in the future. Outside of new-issue overprinting, it should not be necessary to reprint back issues in 1984 and possibly 1985.
4. 75 copies of Max Díaz's "Fácil T_EX" were sold. In January 1984, Arthur Samuel's "First Grade T_EX" was offered for sale; to date over 200 copies have been sold. In May, Hewlett-Packard's "The HP T_EX Macros" will be available through TUG.
5. 84 individuals attended Michael Spivak's "Introductory AMS-T_EX82 Users Course" and 135 members participated in the summer meeting, both conducted at Stanford University, July 11-15, 1983. Representatives from Autologic, Hewlett-Packard, Imagen and Quality Micro Systems gave presentations. At the time the 1984 budget was prepared, only a short course and summer meeting were planned for 1984 and the fees had not been set. The addition of Arthur Keller's week-long course should increase the 1984 income substantially.
6. Lynn Price represented TUG at the ANSI X3J6 meeting, Boulder, Colorado, in August 1983.
7. The American Mathematical Society made available the services of Ray Goucher in 1981 and 1982 at no charge. Beginning in 1983, the A.M.S. required reimbursement for his time. He manages all the administrative details associated with TUG, including daily income and expense accounting; budgeting and treasurer's reports; coordination of all aspects of meeting preparations, accounting, publicity and advertising, in addition to numerous other details.

He was appointed TUG Business Manager at the Stanford Meeting in July.

8. The Steering Committee made this amount available to the Finance Committee to subsidize travel and membership fees for individuals when appropriate.
9. Reprogramming to improve the functioning of the TUG data base.
10. Postage/express charges, telephone tolls and supplies, plus programmer and clerical services not associated with production of TUGboat.

Respectfully submitted,
Samuel B. Whidden, Treasurer

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**PRELIMINARY PROGRAM
TUG MEETING AND COURSES
AUGUST 1984, STANFORD UNIVERSITY**

The 1984 meeting of the T_EX Users Group will be held at Stanford University, August 15-17, 1984. It will be preceded, on August 13-14, by a short course on document design, and followed by a full-week course, August 20-24, on T_EX for Beginners. Attendance at both courses, particularly the Beginners' course, will be limited. A registration form is being mailed with this issue, and should be returned as soon as possible.

**First Principles of Typographic Design for
Document Production, August 13-14, 1984**

Topics:

Typographic structures in text
Typewriting and typesetting
The typographer's tools
Making text readable
Designing headings: keeping it simple
Laying out the page

The course sets out to establish some basic principles for the typographic design of simple text. The application of these principles to the design of documents, and the implementation of the resulting designs with T_EX, will be discussed.

Richard Southall and Leslie Lamport are the instructors. (Richard Southall, Donald Knuth and Chuck Bigelow presented a course on Metafont programming during the Stanford Spring quarter.)

TUG Summer Meeting, August 15-17, 1984

The principal topics for discussion at the 1984 meeting will be an update on the status of the T_EX82 typesetting system, the WEB system of structured documentation, and the next generation of Metafont.

The business meeting will include elections for the offices of Vice President and Secretary, who will be elected to two-year terms (the terms of the President and Treasurer extend until the 1985 meeting). Nominations for these offices may be made by petition containing the signatures of the nominee and of two other members in good standing; petitions should be sent to the Nominating Committee, T_EX Users Group, c/o American Mathematical Society, P.O. Box 6248, Providence, RI 02940, to be received no later than July 16.

The remainder of the technical program will include both new and updated presentations on:

- Introduction to T_EX and TUG for new users
- T_EX82 and Metafont news
- T_EX82 and WEB user experiences
- Questions and answers on T_EX82
- Site Coordinators' reports
- Birds-of-a-Feather sessions
- Macro Wizards' roundtable
- Output device manufacturers' representatives
- Output devices and drivers

Suggestions for additional topics to be covered at the meeting should be communicated to Joey Tuttle, (415) 327-1700, or to Ray Goucher, (401) 272-9500, ext. 232.

T_EX for Beginners, August 20–24, 1984

Tentative course outline:

Preliminaries

The process from text to typeset copy; Short introduction to the text editor; Short introduction to system commands.

Introduction to T_EX

Overview (review) of process of T_EX; Character set; A sample document from start to finish; Interpreting and correcting errors; Fonts; State changing macros vs. macros with parameters; Ligatures.

Copyediting

Proofreading marks; Typesetting language and concepts.

Sample application: a letter

Using macros; Simple adaptations to existing macros.

Sample application: a report

Designing a document; T_EX code for your design; Writing macros to make it easier.

Macros

Concepts and fundamentals; Examples and applications.

T_EX fundamentals

Dimensions; Boxes and glue; Interpreting and correcting errors; Modes.

Mathematics

In-line math formulas; Introduction to displayed formulas; Interpreting and correcting errors;

Sample application: a math paper

In-line vs. displayed formulas; Shilling vs. built-up fractions; Examples.

Breaking paragraphs into lines

Hyphenation; Penalties; Interpreting and correcting errors.

Breaking lines into pages

Penalties; Insertions and "floating" insertions; Interpreting and correcting errors.

Interpreting and correcting errors

Overview and review.

This course is an intensive introduction to T_EX, suitable for those without any exposure to T_EX and with no prior knowledge of typesetting. All participants will be expected to know how to use at least one computerized text editor (or word processor). This course should be particularly useful for evaluating the capabilities of T_EX, either for organizations investigating T_EX or for T_EX coordinators at sites where T_EX has been newly installed.

The intended format is four hours of lectures during each of the five days, with the remainder of each day occupied by hands-on experience using T_EX.

In order to provide adequate computer access, enrollment will be limited to 60 participants.

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Software

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HYPHENATION OF ITALIAN WORDS

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This short note deals with the implementation of a procedure to hyphenate Italian words and the integration of such a procedure into the T_EX system.

Since the installation of T_EX we have been working to tailor the system to user needs in order to improve its circulation in the Scientific Community and Publishing Industry. With this aim, we have faced the problem of designing a suitable algorithm to find hyphenation points according to the rules of the Italian language. The procedure is completely general even if its first application has been inside the T_EX system.

The algorithm was influenced by the principles pointed out by Prof. D. Knuth in the description of the original procedure for the English language.

So, our main concern was to provide a fast and short routine capable of identifying the great majority of hyphenation points even if it does not