

Editor's Introduction

Welcome to the *Proceedings* issue of *TUGboat*, vol. 10, no. 4—*TUGboat* is now a quarterly. Formerly published in the *TEXniques* series, the *Proceedings* will now be available to the entire TUG community, part of your regular membership.

This year's Tenth Anniversary Meeting at Stanford was a smashing success, with the highest attendance of any meeting in TUG's ten-year history: some 235 individuals attended, representing countries and interests from around the world (a List of Participants is included after the articles).

What better way to remind us how much has happened over the past decade than to have the Keynote Address delivered by Prof. Donald E. Knuth himself. How ironic, in the midst of celebrating our prowess with $\text{T}_{\text{E}}\text{X}$, for the designer to describe, with more than the occasional poke at himself, the various categories of errors, as he and $\text{T}_{\text{E}}\text{X}$ gradually got onto speaking terms with one another. It was a delightful morning we spent, listening to a quiet analysis of where and how things went wrong in the beginning.

With 30 presentations (up from 24 last year), there was much to choose from, with several papers devoted to $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$, and a healthy dose of $\text{M}_{\text{E}}\text{T}_{\text{A}}\text{F}_{\text{O}}\text{N}_{\text{T}}$ too. Previous years have seen interest focused rather heavily on $\text{T}_{\text{E}}\text{X}$ alone; to see so many $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$ and $\text{M}_{\text{E}}\text{T}_{\text{A}}\text{F}_{\text{O}}\text{N}_{\text{T}}$ papers was indeed a pleasure.

Recent meetings have shown a move away from the notion of $\text{T}_{\text{E}}\text{X}$ as an all-purpose program, towards the more pragmatic idea that $\text{T}_{\text{E}}\text{X}$ has the flexibility to integrate with and complement other programs, each one used for what it does best. This year saw a continuation of this, in discussions on graphics programs, and pre-processors. Extending $\text{T}_{\text{E}}\text{X}$'s capabilities will probably be the main direction of effort in our second decade.

Another aspect to $\text{T}_{\text{E}}\text{X}$ which has been emerging over the past several meetings is that of the "new user" of $\text{T}_{\text{E}}\text{X}$ these days. It seems to me that here too we are seeing something new for the next decade: $\text{T}_{\text{E}}\text{X}$ has gone from the playground into the real world. And in the real world of applications for $\text{T}_{\text{E}}\text{X}$ and its integration into larger processes, the users are not always going to be computer literate, or even interested in becoming so. They have a job to do, and must use $\text{T}_{\text{E}}\text{X}$ to do it. Support staff, office personnel, one's colleagues and the like, these are the people who want to use $\text{T}_{\text{E}}\text{X}$ but also want to be spared the theory (a sacrilegious thought for some). Training and motivating them, helping them

along, that is an area which should concern those of us who "know how to use $\text{T}_{\text{E}}\text{X}$ ".

The amount of teaching material available is still quite small, a fact which seriously hampers good use of all three programs. However, scattered throughout these articles are references to many documents available, including several from Europe, written in a variety of languages.

The internationalization of $\text{T}_{\text{E}}\text{X}$ —and our increasing awareness of this fact—was another noteworthy element at this year's meeting. Not simply because of the presence of several European coordinators and presenters, but also in the fact that we learned of the many user groups and annual meetings, with quite an extensive collection of documents on $\text{T}_{\text{E}}\text{X}$ and $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$.

There is a great deal of experience, whether hard won or achieved accidentally, described in these pages; there is food for thought for both the $\text{T}_{\text{E}}\text{X}$ pert and the neophyte; and macros for everyone's needs. On this 10th Anniversary Meeting of the $\text{T}_{\text{E}}\text{X}$ Users Group, they are a celebration of the many achievements and results due to the work begun by Prof. Knuth a decade ago (more or less).

And so, the overall impression I have of the 1989 Annual Meeting of the $\text{T}_{\text{E}}\text{X}$ Users Group is that we did indeed celebrate a decade of accomplishments, but we also were in a way rejuvenated, with ideas and suggestions and examples of where the new challenges are not just being found, but are being attacked, and solutions being proposed. $\text{T}_{\text{E}}\text{X}$ is here to stay—now we must look towards extending it, stretching it, integrating it into the larger picture. I truly look forward to the second decade, and wonder what we will have to see at our 20th Anniversary Meeting.

And now to the articles.

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1989 Program Committee. The 1989 Annual Meeting was organised by the following people, under the most able guidance of Dean Guenther, Program Coordinator.

- Dean Guenther (Washington State University, Pullman, Washington)
- Hope Hamilton (National Center for Atmospheric Research, Boulder, Colorado)
- Doug Henderson (Blue Sky Research, Portland, Oregon)
- Christina Thiele (Carleton University, Ottawa, Canada)



TeX USERS GROUP
STANFORD UNIVERSITY
STANFORD, CALIFORNIA
AUGUST 20-23, 1989