

Queries

Editor's note: When answering a query, please send a copy of your answer to the TUGboat editor as well as to the author of the query. All answers will be published in the next issue following their receipt.

Responses to previous queries appear elsewhere in this issue: Indexing with L^AT_EX (Jim Ludden, Vol. 7, No. 2, page 111), see page 62. Form letters (John Lee, Vol. 7, No. 3, page 187), see pages 53 and 60 for PLAIN and L^AT_EX approaches.

APA Style in L^AT_EX

I have a specific question about L^AT_EX that I hope someone can answer for me. I am a cognitive psychologist using L^AT_EX to write my papers in APA (American Psychological Association) style. One of the requirements of APA style is a running head of two or three words in the upper right hand corner of the page, and then double-spaced immediately below that, the page number. For example:

Running Head

16

I have played around with setting my own headings for pagestyle, but can only seem to move things around on the same line.

Jennifer L. Dyck
California State University, Fresno

Chemical Formulae

I am working with the Chemistry Department at Smith College, trying to develop or unearth any T_EX implementations of formulae typical of chemistry texts. I would be delighted to hear from anyone working on this!

Judy Hawkins
Smith College, Northampton, MA
JHawkins@Smith.Bitnet

Ancient Non-Roman Languages

Has anyone included Hebrew, Greek, Akkadian, Ugaritic, and/or Aramaic text in a T_EX document? If so, please let me know how. (First priority is finding font files and T_EX definitions; then we can fine-tune spacing, punctuation, and hyphenation.)

James R. Celoni, S.J.
Santa Clara, CA
Celoni@score.stanford.edu

Editor's note: For Greek, using the admittedly non-text-like Computer Modern math greek, see the article by Reinhard Wonneberger that begins on page 63. Requests for Hebrew fonts also turn up regularly, but we have not yet heard of any full alphabet font. The article by Donald Knuth and Pierre MacKay, beginning on page 14, discusses some problems that will be relevant once such a font is available.

International Phonetic Alphabet

Are there any T_EX users who have made sets of IPA (International Phonetic Alphabet) characters for use with T_EX, or who are interested in this question (and waiting for METAFONT), or who have worked on other particular problems of linguistic text (e.g. macros for aligning word-for-word interlinear translations with texts in other languages)?

Boyd Michailovsky
CNRS/LACITO, Paris

Line Numbering

How would one provide automatic line numbering for every fifth (5, 10, 15, 20, etc.) line in the left-hand margin? I would also like to be able to start and stop such numbering in the middle of a page. These features are almost essential in the preparation of patent applications.

Lawrence D. Cutter
121 Mohawk Drive
Schenectady, NY 12303

Dictionary Formatting

The Warlpiri Dictionary Project has a large document set out with R20 formatting commands. We wish to convert this to L^AT_EX or T_EX.

- (1) Does anyone know of a utility which would do the conversion?
- (2) Does anyone know of a (bi-lingual) dictionary style macro package? This would recognise an entry with its repeating internal structure as the building unit, get the running heads right, possibly allow indexing of the English glosses, and so on.

David Nash
Center for Cognitive Science, MIT
lex.nash@SPEECH.MIT.EDU

Printing Out Selected Pages

As new users of T_EX, we have lots of questions, but one which is particularly “niggling” is: Is there some way by which one can select only a page (or pages) of printout? In long manuscripts, there is often a need for only a few pages that have been corrected, rather than reprinting the whole paper. No one here has been able to figure it out, other than creating a separate file of just those few pages needed.

Helen S. Horstman
Lowell Observatory, Flagstaff, AZ

Editor’s note: There are two ways of approaching this: through T_EX, and post-T_EX.

Many output drivers offer the ability to print selected pages from a DVI file, usually by specifying a starting/ending page range, or a starting page number and number of pages desired. This technique has the disadvantage that the entire manuscript must be processed by T_EX (however, page numbering will be the same as in the whole job, which is not automatically true if a separate partial file is created).

Some T_EX implementations accept interruptions from the terminal while T_EX is running, presenting a ? prompt which can be answered by x to terminate the job cleanly, i.e. with a printable DVI file. (For example, VAX/VMS implementations can usually be interrupted by ^C; the TOPS-20 implementation can be interrupted by ^G. A carriage

return will permit an interrupted job to continue with no adverse effects.) Use of this feature may be appropriate if the changed pages are near the beginning of the manuscript.

Some macros intended to generate only selected material from a larger T_EX input file have recently appeared in T_EXhax. We will try to track these down for inclusion in the next issue.

Letters

Wanted: Help for Beginners

To the Editor:

As a new member and a beginner at T_EX, I find my membership of TUG useful. However, I feel that TUGboat makes almost no attempt to help beginners. We’re not all wizards! More introductory articles please!

Raymond A. Ryan
Department of Mathematics
University College Galway
Galway, Ireland

Editor’s note: We’re glad that you do find TUG useful, and will continue to try hard to keep it that way.

On the subject of TUGboat, this editor has said many times that she will publish (within the bounds of relevance and decency) whatever is submitted. Three members of the Editorial Committee are particularly interested in the problems of new users and “low-level” users: Jackie Damrau of the University of New Mexico (L^AT_EX), Maureen Epstein of Stanford University (applications in Plain T_EX), and Laurie Mann of Stratus Computer (training issues). Articles or other items in these areas should be submitted through them. (The traffic has been very light — if we were on a desert road waiting for help, we would long since have perished of thirst.)

TUGboat is *your* journal! Help make it a useful one!