

# L<sup>A</sup>T<sub>E</sub>X

## L<sup>A</sup>T<sub>E</sub>X — Call for Participation

Two volunteers have come forward to cover the L<sup>A</sup>T<sub>E</sub>X area for TUG. Jackie Damrau will be editing this TUGboat column, and Ken Yap will be collecting macros and style files in machine readable form.

### *For TUGboat*

If any member has a specific question that he or she would like answered, or a macro to be published, please submit them to

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### *Creating a L<sup>A</sup>T<sub>E</sub>X Toolbox*

TUG is actively soliciting your contributions for a machine readable collection of L<sup>A</sup>T<sub>E</sub>X style macros and related tools. This repository will be maintained at Rochester.ARPA. Leslie Lamport has kindly consented to review submissions.

Rochester.ARPA is accessible via anonymous FTP. Rochester is also on CSnet and Usenet. Bitnet access is via gateways. Tape and floppy distribution is a future goal. A table of current contents will be sent to appropriate mailing lists at regular intervals.

So, polish up that macro package or preprocessor and tell us about it. We are at:

LaTeX-style@rochester.arpa  
 Ken (Keeper of the Collection)  
 University of Rochester

Editor's note: Response to Ken's network message has been so prompt that he had the following to report before our printer's deadline.

Machine readable copies of user contributed L<sup>A</sup>T<sub>E</sub>X styles and bib style files are kept at Rochester.Arpa. To access this repository, FTP to Rochester.Arpa as anonymous with any password. Change directory to public/latex-style and retrieve the file 00index, which gives a summary of what is available. I regret that I cannot satisfy requests to mail files due to lack of time.

Here are the contents, as of Sept. 24th 1986:

00index	siam.sty
00readme	siam10.doc
acm.bst	siam10.sty
doublespace.sty	siam11.sty
drafthead.sty	siam12.sty
ieeetr.bst	vdm.doc
siam.bst	vdm.sty
siam.doc	

More submissions are welcome. Please mail your contributions to LaTeX-Style@Rochester.Arpa. Remember to include adequate documentation.

Ken, LaTeX-Style@Rochester.Arpa

## L<sup>A</sup>T<sub>E</sub>X Bugs

Leslie Lamport

Two bugs have surfaced in L<sup>A</sup>T<sub>E</sub>X's figure-placement algorithm. They seem to be rare — one was reported to me by a single user, the other I discovered by myself — and are avoided by simply moving a figure or table environment in the input text. I think that one can be fixed and the other made even less likely to occur. However, this would require fiddling with some of the most delicate and obscure interaction between L<sup>A</sup>T<sub>E</sub>X and T<sub>E</sub>X, and I'm afraid that I'd be likely to introduce worse bugs.

L<sup>A</sup>T<sub>E</sub>X now seems to be fairly reliable, and I'd like to keep it that way. I am inclined to let these bugs stand, adding a warning to the Local Guide. However, before making such a decision, I'd like to find out if anyone else has encountered these bugs and how users feel about it. I can be reached as lamport@SRC.DEC.COM on the Arpanet.

Here are the bugs:

1. A figure or table may appear on the page preceding its appearance in the text. (Its position in the text will be at the top of the following page.) This is corrected by moving the environment one or two lines down in the input file. [This bug can't be completely fixed, but can perhaps be made less probable.]

2. A figure or table may be put on the same page as its appearance in the text when there isn't quite enough room, causing a footnote that should fit entirely on the page to be split across two pages. Moving the figure down a line or two in the text will correct the problem.