

Your suggestion to publish my typography programs tends to solve the vexing question of how this should be written up, because it would be difficult to put the ideas into a normal technical paper without losing too much detail. . . . One problem is that such a book would delay volume 4 yet again, but on the other hand this research will need to be properly published if it turns out as well as I hope.

D.E. Knuth, letter to C.A.R. Hoare  
16 November 1977

# TUGBOAT

COMMUNICATIONS OF THE T<sub>E</sub>X USERS GROUP  
EDITOR BARBARA BEETON

VOLUME 34, NUMBER 1 . . . . . 2013  
PORTLAND . . . . . OREGON . . . . . U.S.A.