

He who first shortened the labor of Copyists by device of  
*Movable Types* was disbanding hired armies, and cashiering  
most Kings and Senates, and creating a whole new  
Democratic world: he had invented the Art of printing.

Thomas Carlyle  
*Sartor Resartus* (1833-1834)

# TUGBOAT

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

VOLUME 23, NUMBER 3/4 • 2002  
PORTLAND • OREGON • U.S.A.