

Editorial Board

Editor-in-Chief

ROBERT C. POST

Book Review Editor

JEFFREY K. STINE

Exhibit Review Editor

HELENA E. WRIGHT

Managing Editor

JOAN E. MENTZER

National Museum of American History • Smithsonian Institution

Advisory Editors

HUGH G. J. AITKEN

Amherst College

STEPHEN H. CUTCLIFFE

Lehigh University

AUGUST W. GIEBELHAUS

Georgia Institute of Technology

ROBERT B. GORDON

Yale University

JOHN F. GUILMARTIN, JR.

Ohio State University

PAUL HANLE

Maryland Science Center

JOHN R. HARRIS

University of Birmingham

BROOKE HINDLE

National Museum of American History

ALEX KELLER

University of Leicester

EDWIN T. LAYTON, JR.

University of Minnesota

ROBERT MARK

Princeton University

ARTHUR P. MOLELLA

National Museum of American History

ARTHUR L. NORBERG

Charles Babbage Institute

WAYNE RASMUSSEN

U.S. Department of Agriculture

DENISE SCHMANDT-BESSERAT

University of Texas—Austin

PHILIP SCRANTON

Rutgers University—Camden

NATHAN SIVIN

University of Pennsylvania

MERRITT ROE SMITH

Massachusetts Institute of Technology

JOANN VANEK

United Nations Secretariat

Technology and Culture (ISSN 0040-165X) is published four times a year, January, April, July, and October, by The University of Chicago Press. Subscriptions: institutions, \$54.00; individuals, \$27.50. Student rate: 1 year \$19.00 (photocopy of valid student I.D. must accompany subscription). Emeritus: 1 year \$23.00. Add \$4.50/year postage for subscriptions mailed outside the U.S.A. and its possessions. Subscription agent for Japan: Kinokuniya Company, Ltd. Single copies: institutions \$13.50, individuals \$7.00. Back issues are available from 1983 (vol. 24). Subscriptions include membership in the Society for the History of Technology. Checks should be made payable to The University of Chicago Press, Journals Division, P.O. Box 37005, Chicago, Illinois 60637; all business correspondence, including changes of address (old as well as new address), should be sent to that address.

Volumes 1–23 available from Kraus Reprints, Route 100, Millwood, New York 10546. All volumes are available in microfilm from University Microfilms, 300 North Zeeb Road, Ann Arbor, Michigan 48106; in microfiche from KTO Microform, Route 100, Millwood, New York 10546.

Editorial correspondence, manuscripts, and books for review should be sent to Dr. Robert C. Post, National Museum of American History, Room 5030, Smithsonian Institution, Washington, D.C. 20560. Further instructions on submissions follow the table of contents.

Editorial office sponsored by National Museum of American History, Roger G. Kennedy, director.

Published by The University of Chicago Press, Chicago, Illinois 60637; The University of Chicago Press Ltd., London W.C. 1. Second-class postage for *Technology and Culture* paid at Chicago.

© 1989 by the Society for the History of Technology. All rights reserved.

The paper used in this publication meets the minimum requirements of American National Standard for Information Sciences—Permanence of Paper for Printed Library Materials, ANSI Z39.48–1984. (∞)