

VOLUME 69  
*(Whole No. 684)*

NUMBER 3  
MAY, 1963

BULLETIN  
*of the*  
AMERICAN MATHEMATICAL SOCIETY

*Edited by*

FELIX BROWDER      EDWIN MOISE  
WALTER RUDIN

*Published by the American Mathematical Society*

PROVIDENCE, RHODE ISLAND

## AMERICAN MATHEMATICAL SOCIETY

General Office: 190 Hope Street, Providence 6, Rhode Island  
Executive Director: G. L. Walker

Editorial Offices: 190 Hope Street, Providence 6, Rhode Island  
Executive Editor Mathematical Reviews: A. J. Lohwater  
Editor Translation Projects: Dr. S. H. Gould

### Officers and Editors:

President: Professor J. L. Doob, Department of Mathematics, University of Illinois, Urbana, Illinois.

Past President: Professor Deane Montgomery, Institute for Advanced Study, Princeton, New Jersey.

Secretary: Professor J. W. Green, Department of Mathematics, University of California, Los Angeles 24, Calif.

### Associate Secretaries:

Professor R. S. Pierce, Department of Mathematics, University of Washington, Seattle, Washington.

Professor G. B. Huff, Department of Mathematics, University of Georgia, Athens, Ga.

Professor Everett Pitcher, Department of Mathematics, Lehigh University, Bethlehem, Pa.

Professor J. W. T. Youngs, Indiana University, Bloomington, Ind.

Treasurer: Dean A. E. Meder, Jr., Rutgers University, New Brunswick, N. J.

Managing Editor of the Bulletin: Professor E. E. Moise, Graduate School of Education, Harvard University, Cambridge 38, Massachusetts.

Managing Editor of the Proceedings: Professor Alex Rosenberg, Department of Mathematics, Cornell University, Ithaca, New York.

Managing Editor of the Memoirs: Professor Lipman Bers, Courant Institute of Mathematical Sciences, New York University, New York 3, New York.

Managing Editor of the Transactions: Professor I. M. Singer, Department of Mathematics, Massachusetts Institute of Technology, Cambridge 39, Massachusetts.

Chairman, Mathematical Reviews Editorial Committee: Professor J. V. Wehausen, Room 222, Bldg. T-3, University of California, Berkeley 4, California.

Chairman, Colloquium Editorial Committee: Professor J. L. Doob, Department of Mathematics, University of Illinois, Urbana, Illinois.

Chairman, Mathematical Surveys Committee: Professor Edwin Hewitt, Department of Mathematics, University of Washington, Seattle 5, Washington.

Representatives of the Society on the Board of Editors of the American Journal of Mathematics:

Professor G. A. Hunt, Fine Hall, Princeton University, Princeton, New Jersey.

Professor G. D. Mostow, Department of Mathematics, Yale University, New Haven, Connecticut.

The annual dues of members of the Society (see this BULLETIN, November, 1962, pp. 651-652) are payable to the Treasurer of the Society, A. E. Meder, Jr., 190 Hope Street, Providence 6, R. I.

---

The BULLETIN OF THE AMERICAN MATHEMATICAL SOCIETY is published bimonthly, in January, March, May, July, September, and November. Price per annual volume is \$7.00. Subscriptions, orders for back numbers, and inquiries in regard to non-delivery of current numbers should be addressed to the American Mathematical Society, 190 Hope Street, Providence 6, R. I.

Second-class postage paid at Providence, Rhode Island and additional mailing offices. Acceptance for mailing at the special rate of postage provided for in the act of February 28, 1925, embodied in paragraph 4, section 538, P. L. and R., authorized May 9, 1935.

Copyright © American Mathematical Society 1963

Printed in the United States of America