# **BULLETIN**

OF THE

## AMERICAN MATHEMATICAL SOCIETY

#### EDITED BY

J. C. OXTOBY B. J. PETTIS
G. B. PRICE

VOLUME 63, NUMBER 4
JULY, 1957
(Whole No. 649)

### **CONTENTS**

The April Meeting in New York. By R. D. Schafer	223
The April Meeting in Chicago. By J. W. T. Youngs	256
The April Meeting in Berkeley. By V. L. Klee, Jr	280

PUBLISHED BY THE SOCIETY
MENASHA, WIS., AND PROVIDENCE, R.I.

#### AMERICAN MATHEMATICAL SOCIETY

General Office: 190 Hope Street, Providence 6, R. I. Executive Director: Dr. J. H. Curtiss.

Editorial Office, Mathematical Reviews: 190 Hope Street, Providence 6, R. I. Executive Editor: Dr. S. H. Gould.

Officers and Editors:

President: Professor Richard Brauer, Harvard University, Cambridge 38, Mass. Ex President: Professor R. L. Wilder, University of Michigan, Ann Arbor, Mich. Secretary: Professor J. W. Green, Department of Mathematics, University of California, Los Angeles 24, Calif.

Associate Secretaries:

Professor V. L. Klee, University of Washington, Seattle 5, Washington. Professor J. H. Roberts, Duke University, Durham, N. C. Professor R. D. Schafer, University of Connecticut, Storrs, Conn. Professor J. W. T. Youngs, Indiana University, Bloomington, Ind.

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 G. B. Price, Department of Mathematics, University of Kansas, Lawrence, Kan.
Managing Editor of the Proceedings: Professor Irving Kaplansky, Eckhart Hall,
University of Chicago, Chicago 37, Ill.
Managing Editor of the Transactions and Memoirs: Professor W. S. Massey, Brown
University, Providence 12, R. I.
Chairman, Mathematical Reviews Editorial Committee: Professor R. P. Boas,
Northwestern University. Evanston. Ill. Northwestern University, Evanston, Ill.

Chairman, Colloquium Editorial Committee: Professor Salomon Bochner, Prince-

ton University, Princeton, N. J.

Chairman, Mathematical Surveys Editorial Committee: I. J. Schoenberg, Department of Mathematics, Stanford University, Stanford, Calif.

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

Mathematics:

Professor André Weil, University of Chicago, Chicago 37, Ill.

Professor Harish-Chandra, Department of Mathematics, Columbia University, New York 27, N. Y.

Chairman, Committee on Printing and Publishing: Professor A. W. Tucker, Department of Mathematics, Princeton University, Princeton, N. J.

The annual dues of members of the Society (see this BULLETIN, November, 1956, pp. 641-642) 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, 450 Ahnaip Street, Menasha, Wis., or 190 Hope Street, Providence 6, R. I. Entered as second class matter April 24, 1926, at the post office at Menasha, Wis. under the act of August 24, 1912. 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, 1957 Printed in the United States of America