

BULLETIN
OF THE
AMERICAN MATHEMATICAL SOCIETY

EDITED BY
E. E. MOISE J. C. OXTOBY
B. J. PETTIS

VOLUME 65, NUMBER 4
JULY, 1959
(Whole No. 661)

CONTENTS

On Γ -Extensions of Algebraic Number Fields. By KENKICHI IWASAWA.....	183
Measure Algebras on Abelian Groups. By WALTER RUDIN....	227
Book Reviews.....	248
The April Meeting in Chicago. By J. W. T. YOUNGS.....	255
The April Meeting at Monterey. By R. S. PIERCE.....	256
The April Meeting in New York. By J. W. GREEN and EVERETT PITCHER.....	258
Research Announcements.....	267

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 E. J. McShane, 209 Maury Avenue, Charlottesville, Va.
Ex-President: Professor Richard Brauer, Harvard University, Cambridge 38, Mass.
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 5, Wash.
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 J. C. Oxtoby, Bryn Mawr College, Bryn Mawr, Pa.

Managing Editor of the Proceedings: Professor Irving Kaplansky, Eckhart Hall, University of Chicago, Chicago 37, Ill.

Managing Editor of the Transactions and Memoirs: Professor Samuel Eilenberg, Hamilton Hall, Columbia University, New York 27, N. Y.

Chairman, Mathematical Reviews Editorial Committee: Professor R. P. Boas, Northwestern University, Evanston, Ill.

Chairman, Colloquium Editorial Committee: Professor Salomon Bochner, Princeton University, Princeton, N. J.

Chairman, Mathematical Surveys Editorial Committee: I. J. Schoenberg, Department of Mathematics, University of Pennsylvania, Philadelphia, Pa.

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

Professor J. A. Dieudonné, Department of Mathematics, Northwestern University, Evanston, Ill.

Professor A. M. Gleason, Department of Mathematics, Harvard University, Cambridge 38, Mass.

Chairman, Committee on Printing and Publishing: Professor E. F. Beckenbach, University of California, Los Angeles 24, Calif.

The annual dues of members of the Society (see this BULLETIN, November, 1958, pp. 405-406) 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, Curtis Reed Plaza, 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. Second-class postage paid at Menasha, Wisconsin.

Copyright, American Mathematical Society, 1959

Printed in the United States of America