

CODEN: BAMOAD

VOLUME 81

NUMBER 2

PAGES 223 — 508

MARCH 1975

ISSUE 755

BULLETIN

of the

AMERICAN MATHEMATICAL SOCIETY

Edited by

PAUL R. HALMOS JOHN L. KELLEY

HANS F. WEINBERGER

Published by the

AMERICAN MATHEMATICAL SOCIETY

PROVIDENCE, RHODE ISLAND

AMERICAN MATHEMATICAL SOCIETY

Business Office: P.O. Box 6248, Providence, Rhode Island 02940

Gordon L. Walker, Executive Director

Lincoln K. Durst, Deputy Director

OFFICERS

President: Lipman Bers, Dept. of Mathematics, Columbia University, New York, NY 10027

Ex-President: Saunders Mac Lane, Dept. of Mathematics, Eckhart Hall, University of Chicago, Chicago, IL 60637

Vice-Presidents: Raoul H. Bott, Dept. of Mathematics, Harvard University, Cambridge, MA 02138; Irving Kaplansky, Dept. of Mathematics, University of Chicago, Chicago, IL 60637; John W. Milnor, School of Mathematics, Institute for Advanced Study, Princeton, NJ 08540

Secretary: Everett Pitcher, Dept. of Mathematics, Lehigh University, Bethlehem, PA 18015

Associate Secretaries: Paul T. Bateman, Dept. of Mathematics, University of Illinois, Urbana, IL 61801; Walter H. Gottschalk, Dept. of Mathematics, Wesleyan University, Middletown, CT 06457; Orville G. Harrold, Jr., Dept. of Mathematics, Florida State University, Tallahassee, FL 32306; Kenneth A. Ross, Dept. of Mathematics, University of Oregon, Eugene, OR 97403

Treasurer: Franklin P. Peterson, Dept. of Mathematics, Massachusetts Institute of Technology, Cambridge, MA 02139

Associate Treasurer: Murray H. Protter, Dept. of Mathematics, University of California, Berkeley, CA 94720

Board of Trustees: Paul T. Bateman, Dept. of Mathematics, University of Illinois, Urbana, IL 61801; Lipman Bers (ex officio); Calvin C. Moore, Dept. of Mathematics, University of California, Berkeley, CA 94720; Richard S. Palais, Dept. of Mathematics, Brandeis University, Waltham, MA 02154; Franklin P. Peterson (ex officio); Murray H. Protter (ex officio); Alex Rosenberg, Dept. of Mathematics, Cornell University, Ithaca, NY 14850; Abraham H. Taub, Dept. of Mathematics, University of California, Berkeley, CA 94720

Council Members: See inside back cover.

CHAIRMEN OF PUBLICATION AND COMMUNICATION COMMITTEES

Bulletin Editorial Committee: John L. Kelley, Dept. of Mathematics, University of California, Berkeley, CA 94720

Proceedings Editorial Committee: W. Wistar Comfort, Dept. of Mathematics, Wesleyan University, Middletown, CT 06457

Transactions and Memoirs Editorial Committee: A. H. Lachlan, Dept. of Mathematics, Simon Fraser University, Burnaby (2), B.C., Canada.

Mathematical Reviews Editorial Committee: D. J. Lewis, Dept. of Mathematics, University of Michigan, Ann Arbor, MI 48104

Colloquium Editorial Committee: S. S. Chern, University of California, Berkeley, CA 94720

Mathematical Surveys Editorial Committee: Edgar H. Brown, Jr., Dept. of Mathematics, Brandeis University, Waltham, MA 02154

Mathematics of Computation Editorial Committee: James H. Bramble, Center for Applied Mathematics, 275 Olin Hall, Cornell University, Ithaca, NY 14853

Committee to Monitor Problems in Communication: Leonard Gillman, Dept. of Mathematics, University of Texas at Austin, Austin TX 78712

Representatives of the Society on the Board of Editors of the American Journal of Mathematics: Hyman Bass, Dept. of Mathematics, Columbia University, New York, NY 10027; I. M. Singer, Dept. of Mathematics, Massachusetts Institute of Technology, Cambridge, MA 02139

Executive Editor of Mathematical Reviews: Jacob Burlak, 611 Church Street, Ann Arbor, MI 48104

Editor of Translations Projects: Ben Silver, American Mathematical Society, P.O. Box 6248, Providence, RI 02940

For members whose annual professional income is below \$15,000, the dues are \$24; for those whose professional income is \$15,000 or more, the dues are \$32. Dues are payable to the American Mathematical Society, P.O. Box 6248, Providence, RI 02940.

THE BULLETIN OF THE AMERICAN MATHEMATICAL SOCIETY is published bimonthly in January, March, May, July, September and November. Price per annual volume is \$18.

Second-class postage paid at Providence, Rhode Island and additional mailing offices.

Copyright © American Mathematical Society 1975

Printed in the United States of America