

**BULLETIN**  
**OF THE**  
**AMERICAN MATHEMATICAL SOCIETY**

**EDITED BY**  
**FELIX BROWDER      E. E. MOISE**  
**WALTER RUDIN**

**VOLUME 67, NUMBER 6**  
**NOVEMBER, 1961**  
**(WHOLE NO. 675)**

---

**CONTENTS**

Lie and Jordan structures in simple, associative rings. By I. N. HERSTEIN.....	517
Book Reviews.....	532
Research Problem.....	542
The Summer Meeting in Stillwater. By L. J. PAIGE and J. W. T. YOUNGS.....	543
Research Announcements.....	548
Index to Volume 67.....	609

---

**PUBLISHED BY THE SOCIETY**  
**MENASHA, WISCONSIN, AND PROVIDENCE, RHODE ISLAND**

## AMERICAN MATHEMATICAL SOCIETY

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

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

### Officers and Editors:

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

Ex-President: Professor E. J. McShane, 209 Maury Avenue, Charlottesville, Va.

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 California, Berkeley, California

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, Department of Mathematics, Harvard University, Cambridge 38, Massachusetts.

Managing Editor of the Proceedings: P. R. Halmos, Eckhart Hall, University of Chicago, Chicago 37, Illinois.

Managing Editor of the Transactions and Memoirs: Lipman Bers, Institute of Mathematical Sciences, New York University, New York, New York.

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 I. J. Schoenberg, Department of Mathematics, University of Pennsylvania, Philadelphia 4, Pennsylvania.

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.

The annual dues of members of the Society (see this BULLETIN, November, 1960, pp. 521-522) 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.

Second-class postage paid at Menasha, Wisconsin. 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 1961

Printed in the United States of America