#### OFFICIAL COMMUNICATIONS

#### MEETINGS OF THE SOCIETY

## Hanover, New Hampshire, September 10–12, 1940.

Abstracts must be in the hands of Associate Secretary T. R. Hollcroft, 531 West Abstracts flust be in the laided of Associate Sectedary T. R. Floid off, 537 West 116th St., New York, N. Y., not later than August 6. Abstracts received by August 1 will appear in the September issue of this BULLETIN. The series of four Colloquium Lectures will be on Analytic topology by Professor G. T. Whyburn. By invitation of the Program Committee, Professor Leonard Carlitz will give an address entitled Arithmetic of polynomials in a Galois field.

Due to the fact that this meeting is to be a week later than usual, the Mathematical Association of America has scheduled all its sessions for September 9. There will be a joint session on the afternoon of September 10 with the Institute of Mathe-

matical Statistics.

# NEW YORK CITY, October 26, 1940.

Abstracts must be in the hands of Associate Secretary T. R. Hollcroft, 531 West 116th St., New York, N. Y., not later than September 28. Abstracts received by August 1 will appear in the September issue of this BULLETIN. By invitation of the Program Committee, Professor H. B. Curry will deliver an address entitled Some aspects of the problem of mathematical rigor.

## Detroit, Michigan, November 22-23, 1940.

Abstracts must be in the hands of Associate Secretary W. L. Ayres, University of Michigan, Ann Arbor, Mich., not later than October 25. Abstracts received by October 1 will appear in the November issue of this BULLETIN. By invitation of the Program Committee Professors Barkley Rosser and H. S. Wall will deliver addresses.

### Los Angeles, California, November 23, 1940.

Abstracts must be in the hands of Associate Secretary T. M. Putnam, University of California, Berkeley, Calif., not later than October 26. Abstracts received by October 1 will appear in the November issue of this BULLETIN.

Annual Meeting: Baton Rouge, Louisiana, December 30, 1940-January 1, 1941.

CHICAGO, ILLINOIS, Summer, 1941.

R. G. D. RICHARDSON, Secretary of the Society.

Articles for insertion in the Bulletin should be typewritten, double spaced, and the author should keep a complete copy. Papers in algebra and theory of numbers should be sent to A. A. Albert, University of Chicago, Chicago, Ill.; in analysis to L. M. Graves, University of Chicago, Chicago, Ill.; in other fields to P. A. Smith, Barnard College, Columbia University, New York, N. Y. Reviews should be sent to Virgil Snyder, 214 University Ave., Ithaca, N. Y., and items for Notes to H. W. Kuhn, Ohio State University, Columbus, Ohio. All other communications to the editors should be addressed to the Managing Editor, Tomlinson Fort, Lehigh University, Bathlaham, Papersity, Bathla

versity, Bethlehem, Pa.

The initial fees and the annual dues of members of the Society (see this BULLETIN,

The initial fees and the annual dues of members Sentember, 1938, p. 75) are May, 1930, p. 322; and the List of Officers and Members, September, 1938, p. 75) are payable to the Treasurer of the Society, B. P. Gill, Low Memorial Library, 531 West 116th St., New York, N. Y.

# CONTENTS

| Vol. 46, No. 7       | JULY, 1940                            | Whole No. 490 |
|----------------------|---------------------------------------|---------------|
|                      |                                       | Page          |
| The April Meeting in | Berkeley. By T. M. Pur                | rnam 567      |
| The April Meeting in | Chicago. By W. L. Avr.                | ES 569        |
| The April Meeting in | Washington. By T. R. I                | Hollcroft 574 |
| Book Reviews         |                                       | 583           |
| Notes                | · · · · · · · · · · · · · · · · · · · | 599           |
| Abstracts of Papers  |                                       | 602           |
| New Publications     |                                       | 613           |