OFFICIAL COMMUNICATIONS

Meetings of the Society have been fixed at the following times and places.

Berkeley, California, June 20, 1934.

Abstracts must be in the hands of Associate Secretary T. M. Putnam, University of California, Berkeley, Calif., not later than May 30. Abstracts received by the Secretaries by May 6 will appear in the May issue of the Bulletin.

WILLIAMSTOWN, MASSACHUSETTS, SUMMER MEETING AND COL-LOQUIUM, September 4-7, 1934.

Abstracts must be in the hands of Associate Secretary J. R. Kline, 501 West 116th St., New York City, not later than August 1. Abstracts received by July 6 will appear in the July issue of the Bulletin. Professor Norbert Wiener will deliver a series of colloquium lectures which were planned by himself and the late Dr. R. E. A. C. Paley on *Topics from harmonic analysis in the complex domain*. By invitation of the program committee, Professor J. A. Shohat will deliver an address on *The expan*sion of functions in series of orthogonal polynomials.

NEW YORK CITY, October 27, 1934.

Abstracts must be in the hands of Associate Secretary J. R. Kline, 501 West 116th St., New York City, not later than September 29. Abstracts received by the Secretaries by September 7 will appear in the September issue of this Bulletin. By invitation of the program committee, Professor Emmy Noether, visiting lecturer at Bryn Mawr College, will deliver an address entitled Modern hypercomplex series.

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

Articles for insertion in the BULLETIN should be addressed to E. R. HEDRICK, Editor of the BULLETIN, University of California at Los Angeles. Reviews should be sent to W. R. Longley, Yale University, New Haven, Conn. Notes should be sent to H. W. Kuhn, Ohio State University, Columbus, Ohio.

Subscriptions to the Bulletin, orders for back numbers, and inquiries in regard to non-delivery of current numbers should be addressed to the American Mathematical Society, 450-459 Ahnaip St., Menasha,

Wis., or 501 West 116th St., New York.

The initiation fees and the annual dues of members of the Society (see this Bulletin, p. 322, May, 1930; and the List of Officers and Members, September, 1932, p. 66), are payable to the Treasurer of the Society Professor G. W. Mullins, 501 West 116th St., New York City.

WHOLE NUMBER 416

CONTENTS

	PAGE
The March Meeting in New York. By J. R. KLINE	353
The April Meeting in Chicago. By M. H. INGRAHAM	358
The Work of Poincaré on Differential Equations. By G. D. BIRKHOFF	
Eisenhart on Continuous Groups. By AUREL WINTNER	366
Shorter Notices	369
Notes	376
Abstracts of Papers	384
New Publications	392

For official Communications and Notices, see the inside of the back cover.

GEORGE BANTA PUBLISHING COMPANY, MENASHA, WISCONSIN