OFFICIAL COMMUNICATIONS

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

NEW YORK CITY, October 31, 1936.

Abstracts must be in the hands of Associate Secretary J. R. Kline, 531 West 116th St., New York City, not later than October 3. Abstracts received by the Secretaries by September 4 will appear in the September issue of the Bulletin. The Annual Gibbs Lecture will be delivered at this meeting by Professor Henry Norris Russell; and, by invitation of the program committee, Professor Philip Franklin will deliver an address on *Transcendental numbers*.

LAWRENCE, KANSAS, November 27–28, 1936.

Abstracts must be in the hands of Associate Secretary M. H. Ingraham, University of Wisconsin, Madison, Wisconsin, not later than October 30; they will appear in the November issue of the Bulletin. By invitation of the program committee, addresses will be delivered by Professor L. R. Ford on Fractions, and by Professor H. L. Rietz on Some topics in sampling theory.

Los Angeles, California, November 28, 1936.

Abstracts must be in the hands of Associate Secretary T. M. Putnam, University of California, Berkeley, California, not later than October 31; they will appear in the November issue of the Bulletin.

Annual Meeting, Duke University and The University OF NORTH CAROLINA, December 29, 1936-January 1, 1937.

Abstracts must be in the hands of Associate Secretary J. R. Kline, 531 West 116th St., New York, N. Y., not later than December 1, 1936. Abstracts received by the Secretaries by November 6 will appear in the November issue of the Bulletin.

By agreement with the Society, members may also read papers before Section A of the American Association for the Advancement of Science at the meeting at Atlantic City during the same week; such papers will be listed on the program of the Annual Meeting of the Society, and will be recognized as read by title before the Society. At this meeting Professor T. H. Hildebrant will deliver his retiring address as chairman of Section A on the topic Recent developments in the theory of integration. Abstracts of papers whose authors desire to read them at Atlantic City must be received by December 1, 1936, with a clear statement of the intention to read them there, either by Associate Secretary Kline or by E. R. Hedrick, Secretary of Section A.

New York City, February 20, 1937.

Abstracts are due by January 30, 1937.

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

Articles for insertion in the BULLETIN should be addressed to E. R. HED-

Articles for insertion in the BULLETIN should be addressed to E. K. 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 Low Memorial Library, Columbia University, New York, N. Y.

The initiation fees and the annual dues of members of the Society (see this BULLETIN, p. 322, May, 1030; and the List of Officers and Members Sentem.

BULLETIN, p. 322, May, 1930; and the List of Officers and Members, September, 1934, p. 66) are payable to the Treasurer of the Society, Professor G. W. Mullins, Low Memorial Library, Columbia University, New York, N. Y.

WHOLE NUMBER 445

CONTENTS

	PAGE
Instrumental Analysis. By VANNEVAR BUSH	649
A Certain Mean-Value Problem in Statistics. By A. T. CRAIG On the Preservation of Angles at a Boundary Point in Conformal	670
Mapping. By S. E. WARSCHAWSKI	674
A Note on a Preceding Paper. By Francis Regan	681
On the Principles of Hamilton and Cartan (Supplementary Note). By J. W. CAMPBELL	685
Note on the Canonical Form of the Parametric Equations of a Space Curve belonging to a Non-Special Linear Line Complex. By C. R. WYLIE, JR	
On the Non-Vanishing of the Jacobian in Certain One-to-One Mappings. By HANS LEWY	689
A Generalized Inversive Algorithm. By D. H. LEHMER	693
A New Class of Functions of Two Variables involving Bessel Functions of Half an Odd Integer. By N. A. HALL	695
On the Modulus of the Derivative of a Polynomial. By W. E.	699
SEWELL On Certain Theorems of Pólya and Bernstein. By NORMAN	
Levinson	702
A Paradox of Lewis's Strict Implication. By Tang Tsao-Chen.	707
The Betti Numbers of Cyclic Products. By R. J. WALKER	709
The Divergence of Sequences of Polynomials Interpolating in Roots of Unity. By J. L. Walsh	715
Note on the Greatest Integer Function. By M. A. Basoco	720
Certain Non-Involutorial Cremona Transformations of Hyperspace. By HARRIET F. MONTAGUE	727
Note on Some Equations without Affect. By Saunders Mac- Lane	731
Similarity of Matrices in which the Elements are Real Quaternions. By Louise A. Wolf	737
The Theorem " $p \rightarrow q$. = $pq = p$ " and Huntington's Relation between Lewis's Strict Implication and Boolean Algebra. By TANG TSAO-CHEN	
On the Determination of Earth Conductivity from Observed Surface Potentials. By R. E. LANGER	
A Series of Involutorial Cremona Space Transformations Defined by a Pencil of Ruled Cubic Surfaces. By Amos Black.	754

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