

OFFICIAL COMMUNICATIONS

THE INTERNATIONAL CONGRESS OF MATHEMATICIANS

CAMBRIDGE, MASSACHUSETTS, September 4–12, 1940.

On invitation of the American Mathematical Society, an International Congress of Mathematicians will take place September 4–12, 1940, with Harvard University and the Massachusetts Institute of Technology as hosts. Plans are well under way for a notable scientific program and for interesting social events. See this Bulletin, September, 1938, p. 593. A preliminary notice containing many details will be sent out in the autumn of 1939.

MEETINGS OF THE SOCIETY

MADISON, WISCONSIN, September 5–8, 1939.

Abstracts must be in the hands of Associate Secretary W. L. Ayres, Department of Mathematics, University of California, Los Angeles, Calif., not later than August 1. Abstracts received by this date will appear in the September Bulletin. There will be two sets of Colloquium Lectures: *Structure of algebras* by Professor A. A. Albert and *Convex bodies* by Professor M. H. Stone.

NEW YORK CITY, October 28, 1939.

Abstracts must be in the hands of Associate Secretary T. R. Hollcroft, 531 West 116th Street, New York, N. Y., not later than September 30. Abstracts received before August 1 will appear in the September issue of the Bulletin. By invitation of the Program Committee, Professor J. J. Gergen will give an address entitled *Double Fourier series*.

COLUMBIA, MISSOURI, December 1–2, 1939.

Abstracts must be in the hands of Associate Secretary W. L. Ayres, University of Michigan, Ann Arbor, Mich., not later than November 3. Abstracts received by October 1 will appear in the November issue of the Bulletin. By joint invitation of the Society and the University of Missouri, Professor E. W. Chittenden will give an address entitled *Topological functions*, and Professor L. R. Ford will give an address entitled *Projective transformations in two complex variables*.

ANNUAL MEETING: COLUMBUS, OHIO, December 26–29, 1939.

Abstracts must be in the hands of Associate Secretary W. L. Ayres, University of Michigan, Ann Arbor, Mich., not later than November 21, 1939. Abstracts received not later than October 1 will appear in the November issue of the Bulletin. The Annual Gibbs Lecture will be given by Professor Theodore von Karman. Professor J. R. Kline, retiring Chairman of Section A and Vice President of the American Association for the Advancement of Science, will give an address entitled *The Jordan Curve Theorem*. By invitation of the Program Committee, Professor D. H. Lehmer will give an address entitled *The application of Bernoulli polynomials to some problems in Diophantine analysis*.

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 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, Bethlehem, Pa.

The initial 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, 1938, p. 75) are payable to the Treasurer of the Society, Professor B. P. GILL, Low Memorial Library, 531 West 116th St., New York, N. Y.

CONTENTS

Vol. 45, No. 8 AUGUST, 1939 Whole No. 479

	Page
General differential geometries and related topics. By A. D. MICHAL.....	529
Bicontinuous linear transformations in certain vector spaces. By E. R. LORCH.....	564
On the values assumed by polynomials. By HOWARD LEVI...	570
On the simultaneous approximation of a function and its derivatives by sums of Birkhoff type. By W. H. MCEWEN...	576
On the computation of the second differences of the $Si(x)$, $Ei(x)$, and $Ci(x)$ functions. By A. N. LOWAN.....	583
All integers except 23 and 239 are sums of eight cubes. By L. E. DICKSON.....	588
A sufficient condition for Cesàro summability. By H. L. GARABEDIAN.....	592
A general continued fraction expansion. By WALTER LEIGHTON and W. T. SCOTT.....	596
Topological proofs of uniqueness theorems in the theory of differential and integral equations. By ERICH ROTHE.....	606
Cremona involutions determined by a pencil of surfaces. By F. C. GENTRY.....	614
Concerning certain linear abstract spaces and simple continuous curves. By F. B. JONES.....	623
On the logarithmic solutions of the generalized hypergeometric equation when $p = q + 1$. By F. C. SMITH.....	629
On the first case of Fermat's last theorem. By BARKLEY ROSSER.....	636