## OFFICIAL COMMUNICATIONS

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

THE SUMMER MEETING AND COLLOQUIUM, AT CORNELL UNI-VERSITY, ITHACA, N.Y., September 8-12, 1925.

As announced on a separate sheet already mailed to all members, the Colloquium will consist of two series of lectures: by Professor L. P. Eisenhart, on *The new differential geometry*; and by Professor

Dunham Jackson, on The theory of approximation.

Abstracts must be in the hands of the Secretary of the Society, Professor R. G. D. Richardson, 501 West 116th St., New York, not later

than August 11.

NEW YORK CITY, October 31, 1925.

Abstracts must be in the hands of the Secretary of the Society, Professor R. G. D. Richardson, 501 West 116th St., New York City, not later than October 10.

THE SAN FRANCISCO SECTION, IN BERKELEY, CALIFORNIA. October 31, 1925.

Abstracts must be in the hands of the Secretary of the Section, Professor B. A. Bernstein, Berkeley, not later than October 10.

THE WESTERN CHRISTMAS MEETING, IN KANSAS CITY, December 29-30, 1925, in conjunction with the Southwestern Section and with the American Association for the Advancement of Science.

At the meeting on the afternoon of Wednesday, December 30. Professor James Pierpont will deliver the Annual Gibbs Lecture, on the topic Some modern views of space, this meeting will be also a general session of the American Association for the Advancement of Science. (See this Bulletin, vol. 31, p. 377.)

Abstracts must be in the hands of the Assistant Secretary of the

Society, Professor Arnold Dresden, 2114 Vilas St., Madison, Wis., not later than December 1.

THE ANNUAL MEETING, IN NEW YORK CITY, January 2, 1926. Abstracts must be in the hands of the Secretary of the Society, Professor R. G. D. Richardson, 501 West 116th St., New York, not later than December 5, 1925. 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, Southern Branch, University of Califorma, Los Angeles, Calif. Reviews should be sent to W. R. Longley, Yale University, New Haven, Conn. Notes should be sent to R.W. Burgess, 501 West 116th Street, New York.

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, 501 West 116th Street, New York.

Advertising space is available in the Bulletin at \$16 per page, \$9 per half page, \$5 per quarter page, per issue. Address correspondence regarding advertising to H. L. Rietz, University of Iowa, Iowa City, Iowa.

Changes of address of members, exchanges, and subscribers should be communicated at once to the Secretary of the Society, R. G. D. RICHARDSON, 501 West 116th Street, New York.

The initiation fees (\$5.00) and annual dues (\$6.00) of members of the Society are payable to the Treasurer of the Society, W. B. Fite, 501 West 116th Street, New York.

## Whole Number 336

## CONTENTS

	PAGE
The Frank Nelson Cole Prize in Algebra. By H. S.	289
WHITE	209
The Pan-American Scientific Congress. By E. V. Huntington	290
The February Meeting in New York. By W. B. FITE	291
The Number of Even and Odd Absolute Permutations	
of n Letters. By J. M. Thomas	303
The Absolute Value of the Product of Two Matrices.	
By J. H. M. Wedderburn	304
On the Number of Representations of an Integer as	200
a Sum or Difference of Two Cubes. By E. T. Bell	309
Contact Curves of the Rational Plane Cubic. By L. W.	910
GRIFFITHS	312
Note on the Projective Geometry of Paths. By T. Y. THOMAS	318
The Tensor Character of the Generalized Kronecker	010
Symbol. By F. D. Murnaghan	323
Two General Functional Equations. By W. H. Wilson	
Functional Invariants, with Continuity of Order $p$ , of	
One-Parameter Fredholm and Volterra Transformation	
Groups. By A. D. MICHAL	335
On the Distribution of Quadratic and Higher Residues.  By H. S. Vandiver	346
Coolidge on Complex Geometry. By W. C. GRAUSTEIN	351
Gauss and Non-Euclidean Geometry. By R. M. WINGER	356
Julia on Essential Singularities. By J. F. Ritt	359
The N. R. C. Handbook on Statistics. By B. H. CAMP	361
Four Books on Probabilities. By A. R. Crathorne	367
Shorter Notices	369
Notes	
New Publications	
	J. U

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