

Applications of colors of similar appearances but different in spectral composition: CHARLES BITTINGER.

PHYSIOLOGICAL OPTICS

Report of the committee on physiological optics: L. T. TROLAND.

On the development of a subjective method of skiascopy: CHARLES SHEARD.

On the chromatic aberration of the eye and the chromatic variations in the interval of Sturm as determined by a subjective method of skiascopy: CHARLES SHEARD.

The sensitivity-intensity law for equilibrium cone minuthesis: L. T. TROLAND and C. H. LANGFORD.

The stability of hue under chromatic minuthesis: L. T. TROLAND and C. H. LANGFORD.

Instantaneous photomicrography of the capillaries in the living human body: CHARLES SHEARD.

Note on the subjective observation of the blood corpuscles in the retinal capillaries: CHARLES SHEARD.

PICTORIAL ART AND VISION

The illusion of depth from single pictures: ADELBERT AMES, JR.

Pictorial art and the physiology of vision: ADELBERT AMES, JR.

Most of these papers will appear in full in the *Journal of the Optical Society of America and Review of Scientific Instruments*.

The next annual meeting will be held at Cornell University in October, 1925.

The officers of the society are: Dr. H. E. Ives, of the Western Electric Company, *president*; Dr. W. E. Forsythe, of the Nela Research Laboratory, *vice-president*; Professor F. K. Richtmyer, of Cornell University, *secretary*; and Mr. Adolph Lomb, of the Bausch and Lomb Optical Company, *treasurer*.

F. K. RICHTMYER

CORNELL UNIVERSITY

AMERICAN MATHEMATICAL SOCIETY

THE two hundred and thirty-seventh regular meeting of the American Mathematical Society was held at Columbia University, on Saturday, October 25, 1924, extending through the usual two sessions. The attendance included fifty members of the society.

The secretary announced the election of the following sustaining members: Allyn and Bacon; the Babcock and Wilcox Company; Dartmouth College; the General Electric Company (patron); Ginn and Company; the Insull Interests, of Chicago (patron); Mr. E. W. Rice, Jr., of the General Electric Company; the Union Central Life Insurance Company, of Cincinnati; the University of Washington; the Western Electric Company (patron); the Westinghouse Company (patron). He also announced the election of 153 ordinary members, of whom 73 are

nominees of sustaining members.

The following papers were read:

Note on a transformation of the hypergeometric series: B. H. CAMP.

A new type of double sextette closed under a binary (3, 3) correspondence: LOUISE D. CUMMINGS.

Reduction of Euler's equations to a canonical form: J. H. TAYLOR.

Necessary and sufficient conditions that every closed and connected subset of a continuous curve be a continuous curve. Second paper: H. M. GEHMAN.

The rotating disk: PHILIP FRANKLIN.

The electric currents in a network: PHILIP FRANKLIN.

On simple groups of low order: F. N. COLE.

On the roots of the Riemann zeta function: J. I. HUTCHINSON.

A note on regular singular points: EINAR HILLE.

Four methods for solving the problem of the rectangular beam: C. A. GARABEDIAN.

Some two-dimensional loci: J. L. WALSH.

A uniqueness theorem for the Legendre and the Hermite polynomials: K. P. WILLIAMS.

On the prime divisors of the cyclotomic functions: C. M. HUBER.

Functional invariants, with a continuity of order p , of one-parameter Fredholm and Volterra transformation groups: A. D. MICHAL.

On certain new topological invariants: J. W. ALEXANDER.

The interpretation of non-integral exponents with notes on the theory of subponents: W. O. PENNELL.

The representation of bounded functions by trigonometric integrals: NORBERT WIENER.

A general type of singular points: EINAR HILLE.

The geometry of frequency functions: DUNHAM JACKSON.

Elementary functions and their inverses: J. F. RITT.

On the impossibility of solving certain differential equations in finite terms: J. F. RITT.

On singularities in analytical physics: G. Y. RAINICH.

The analytic function on a minimal surface: G. Y. RAINICH.

On the gradient of a functional. Preliminary communication: DUNHAM JACKSON.

Extension of a theorem due to Lerch: T. H. GRONWALL.

On the Cesàro summability of Fourier's and Laplace's series: T. H. GRONWALL.

A note concerning closed non-dense linear sets which are enumerable: J. R. KLINE.

The annual meeting of the society will be held at Washington, D. C., from December 29 to 31, in affiliation with the American Association for the Advancement of Science. On this occasion President Veblen will deliver his retiring address, and Mr. Robert Henderson will deliver the second Josiah Willard Gibbs Lecture.

R. G. D. RICHARDSON,
Secretary