

## THE TWENTIETH ANNIVERSARY OF THE SOCIETY FOR EXPERIMENTAL BIOLOGY AND MEDICINE

A PRELIMINARY conference relative to the organization of the Society for Experimental Biology and Medicine took place at the residence of Professor Graham Lusk on January 19, 1903, the first meeting being held in the laboratory of physiological chemistry, College of Physicians and Surgeons, Columbia University, February 25, 1903. The society was founded by the late Dr. Samuel J. Meltzer, who was elected its first president. The object of the society was stated to be the cultivation of the experimental method of investigation in the sciences of animal biology and medicine. There were nineteen charter members and during the first year fourteen additional resident members and twenty-three non-resident members were elected, making a total of fifty-six. At the end of the first ten years the membership had grown to two hundred and fifty-five and numbers at present five hundred and forty-nine. Somewhat less than one third of this number are resident members, the remainder being located in different parts of the United States and Canada and various foreign countries.

The society now possesses four branches formed by groups of members who hold independent meetings, the scientific transactions of which appear in the *Proceedings*. The Pacific Coast Branch was formed in 1912, the Minnesota Branch in October, 1921, the Western New York Branch in February, 1922, and the Peking (China) Branch in December, 1922.

The *Proceedings* of the Society for Experimental Biology and Medicine gives in concise form the papers presented before the society and its branches. It is published monthly from October to May, the current volume numbering about 500 pages. About two years ago, following the death of Dr. Meltzer, members of his family started a fund for the endowment of the *Proceedings*. Through the gift of friends and members of the society this memorial fund now amounts to about \$5,500. The society plans to increase this to \$10,000.

The one hundred and thirty-first and twentieth annual meeting of the society was held in the biological lecture room of the College of the City of New York at 5 P. M. on April 18, 1923, with an attendance of about 100.

The following papers were presented:

*Chemical changes in the blood in intestinal obstruction*: J. F. CONNORS, J. A. KILLIAN and H. B. EISBERG.

*Metabolism of cystin*: G. J. SHIPLE, A. R. ROSE and C. P. SHERWIN.

*A micro colorimetric method of estimating the hydrogen ion concentration of the blood*: V. C. MYERS, H. W. SCHMITZ and LELA E. BOOHER.

*Some studies on the vital staining of the blood cells*: R. SPIRIDONOVITCH (by invitation).

*Reductional changes in dying protoplasm*: ROBERT CHAMBERS.

*The influence of nutrition during the pre-experimental period on the development of rickets in rats*: ALFRED F. HESS and M. WEINSTOCK.

*The various forms of phosphoric acid in the blood. Findings in rickets*: T. F. ZUCKER and MARGARET GUTMAN.

*Observations on the distribution of antirachitic substances*: T. F. ZUCKER and MARION BARNETT.

*On the nature of the immunizing antigen of pneumococcus*: WILLIAM A. PERLZWEIG and GUSTAVE I. STEFFEN (by invitation).

*Indican influence by bacillus acidophilus therapy*: LILLIAN SEGAL KOPELOFF and NICHOLAS KOPELOFF.

Papers read by title were:

*The effect of treatment of rickets in animals and children by the yolk of egg*: JOHN HOWLAND and BENJAMIN KRAMER.

*Leucocytes in relation to the mechanism of thyroid-accelerated metamorphosis in the larval frog*: H. E. JORDAN and C. C. SPEIDEL.

*Light as a factor in fish dispersal*: F. E. CHIDESTER.

*The respiratory exchange of normal and diabetic men following the administration of insulin and epinephrin*: RICHARD S. LYMAN, ELIZABETH NICHOLLS and WM. S. MCCANN.

*The effect of thyroid products on paramecium*: L. L. WOODRUFF and W. W. SWINGLE.

*The effect of ultra-violet rays on rats in the circular maze*: DAVID I. MACHT and ELMER J. TEAGARDEN, JR.

*The occurrence of intranuclear inclusion bodies in certain tissues of the rabbit inoculated directly with the virus of herpes labialis*: E. W. GOODPASTURE and OSCAR TEAGUE.

Following the scientific session the annual dinner was held in the faculty dining room of the City College, with an attendance of forty-one members.

Dr. Holmes C. Jackson of the University and Bellevue Hospital Medical College, who has served as secretary-treasurer of the society and

managing editor of the *Proceedings* for the past ten years, was elected president to succeed Dr. George B. Wallace. Other officers elected were vice-president, James W. Jobling, Columbia University; secretary-treasurer, Victor C. Myers, New York Post-Graduate Medical School and Hospital; additional member of the council (for 2 years), Stanley R. Benedict, Cornell University Medical College. The term of Eugene F. Du Bois as councilor expires in 1924.

The nominating committee elected for 1924 were A. J. Goldfarb, Graham Lusk, D. D. Van Slyke and G. B. Wallace, resident members; A. J. Carlson, L. B. Mendel and A. N. Richards, non-resident members.

The chairmen of the different branches and *ex-officio* vice-presidents of the society are: Pacific Coast Branch, William Ophüls, Stanford University Medical School; Minnesota Branch, Arthur D. Hirschfelder, University of Minnesota; Western New York Branch, John R. Murlin, University of Rochester; Peking Branch, Carl Ten-Broeck, Peking Union Medical College.

## THE AMERICAN MATHEMATICAL SOCIETY

THE fifty-first regular meeting of the Chicago Section of the American Mathematical Society, constituting the nineteenth western meeting of the society, was held at the University of Chicago on Friday and Saturday, April 13 and 14. On Friday afternoon, Professor S. Lefschetz, University of Kansas, gave a lecture on "Curves traced on algebraic surfaces." About sixty persons were present at a dinner at the Quadrangle Club on Friday evening. The Section voted to hold its Christmas meeting in Cincinnati in affiliation with the American Association for the Advancement of Science.

The following papers were read at this meeting:

*On the representation of a certain fundamental law of probability of Laplace:* H. L. RIETZ.

*An application of areal coordinates to mixtures and the graphical solution of equations:* F. E. WOOD.

*Riemann surfaces and the map problem:* H. R. BRAHANA.

*A theorem concerning unit matrices with integral elements:* H. R. BRAHANA.

*An application of fractional differentiation to a class of Volterra integral equations:* H. T. DAVIS.

*Same left co-set and right co-set multipliers for any given finite group:* G. A. MILLER.

*The linear group modulo  $p_K$ :* M. M. FELDSTEIN.

*Continuous transformations of manifolds:* S. LEFSCHETZ.

*Certain limitations of the value of the complete independence of a set of postulates:* M. H. INGRAHAM.

*Foundation and status of the theory of linear algebras:* L. E. DICKSON.

*General theory of hypercomplex integers:* L. E. DICKSON.

*The optical transformation of surface differentials:* IRWIN ROMAN.

*Solutions of ordinary differential equations:* F. R. MOULTON.

*On approximation by functions of given continuity:* DUNHAM JACKSON.

*Vector treatment of the extrema of double integrals:* D. C. KAZARINOFF.

*Cubics associated with a net of conics:* F. E. WOOD.

*An extension of the theory of the double modulus:* J. S. TURNER.

*On certain properties of sets of positive measure:* H. BLUMBERG.

*On a class of invariant subgroups of the conformal and projective groups in function space:* I. A. BARNETT.

*The area preserving group in function space:* I. A. BARNETT.

The papers of Professors Blumberg and Barnett were read by title.

ARNOLD DRESDEN

*Secretary of the Chicago Section*

## THE MICHIGAN ACADEMY OF SCIENCE, ARTS AND LETTERS

THE twenty-eighth annual meeting of the Michigan Academy of Science, Arts and Letters was held in Ann Arbor March 28-30, 1923. The presidential address was given by R. A. Smith, state geologist of Michigan, on "The land-economic survey of Michigan." At the first general session memorials to the two past-presidents who had died during the year, Leroy H. Harvey and Walter B. Barrows, were presented. At the same meeting a paper, "The