

the effects of long continued exposure to hydrocyanic-acid gas and, indeed, counteract the effect to such an extent that the surviving eggs hatch better than those with short treatment in the gas. Both animal and plant tissues thus exhibit very decided evidences of definite cyanide stimulation.

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### THE AMERICAN SOCIETY OF NATURALISTS

THE thirty-second annual meeting of the American Society of Naturalists was held in the zoological laboratory of the University of Pennsylvania on December 31, 1914. In affiliation with the society this year were the American Society of Zoologists, the Botanical Society of America, the Society of American Bacteriologists, and the American Psychological Association.

By-law No. 3 of the society was amended to read "The Records of the society shall be published once every three years beginning in 1914. The Records shall contain the constitution and by-laws of the society, the minutes of all meetings held within the period covered, the treasurer's reports, and a full list of members of the society."

An invitation to the society from the Pacific Coast Committee on Zoological Program to participate in the sessions concerned with zoology during the convocation week of the American Association for the Advancement of Science, to be held in August, 1915, received the following action. It was voted that the secretary express the appreciation of the society for the invitation and its best wishes for the success of the Pacific Coast meetings. The American Society of Naturalists suggests that members resident on the Pacific Coast organize, if they so desire, a section of the society in accordance with the provisions of Art. IV., Sec. 3, of the constitution, and that this section in cooperation with the American Association for the Advancement of Science hold a meeting in August, 1915.

There were elected to honorary membership in the society Hugo De Vries and Wilhelm Roux.

The following were elected to membership: W. C. Allee, University of Oklahoma; Charles E. Allen, University of Wisconsin; Cora J. Beckwith, Vassar College; Charles E. Bessey, University of Nebraska; William W. Browne, College of the City of New York; W. A. Cannon, Desert Botanical Laboratory; Ralph V. Chamberlain, Museum of Comparative Zoology; Maynie R. Curtis, Maine

Agricultural Experiment Station; John A. Detlefsen, University of Illinois; Dayton J. Edwards, College of the City of New York; Arthur H. Estabrook, Eugenics Record Office; Richard Goldschmidt, Kaiser Wilhelm Institut für Biologie; John W. Harshberger, University of Pennsylvania; Marshall A. Howe, New York Botanical Garden; Hartley H. T. Jackson, U. S. Department of Agriculture; Thomas H. Kearney, U. S. Department of Agriculture; Henry H. Lane, University of Oklahoma; W. H. Longley, Goucher College; Henry Laurens, Yale University; George R. Lyman, U. S. Department of Agriculture; John M. Macfarlane, University of Pennsylvania; Frederick C. Newcombe, University of Michigan; Susan P. Nichols, Oberlin College; Theophilus S. Painter, Yale University; Arthur S. Pearse, University of Wisconsin; Herbert W. Rand, Harvard University; Charles G. Rogers, Oberlin College; Forrest Shreve, Desert Botanical Laboratory; William C. Stevens, University of Kansas; L. B. Walton, Kenyon College; Orland E. White, Brooklyn Botanic Garden.

A cordial vote of thanks was passed to the University of Pennsylvania for its hospitality.

The program of the morning session was as follows:

A. F. Blakeslee and D. E. Warner, "Correlation between Egg-laying Activity and Yellow Pigment in the Domestic Fowl."

A. F. Blakeslee, "A Sexual Mutation in a Vegetatively Propagated Pure Line of *Mucors*."

Sewall Wright (by invitation), "The Albino Series of Allelomorphs in Guinea-pigs."

H. S. Jennings, C. S. Lashley, A. R. Middleton, F. M. Root and Ruth J. Stocking, "Researches on the Inheritance and the Results of Selection in Uniparental Reproduction."

Edward M. East, "The Phenomenon of Self Sterility." (Read by title.)

Helen D. King, "The Effects of Inbreeding and Selection on the Growth, Fertility and Sex Ratio of the Albino Rat."

H. H. Newman (by invitation), "Development and Heredity in Heterogenic Teleost Hybrids." (Read by title.)

Alice M. Boring, "Data on the Relation between Primary and Secondary Sexual Characters in the Domestic Fowl."

R. A. Emerson, "Somatic Mutations in Variegated Maize Pericarp."

H. J. Webber and C. H. Myers, "Bud Variation within Tuber Lines of the Common Potato."

Clarence C. Little, "The Inheritance of Certain Types of Spotting in Mice."

George G. Scott, "Some Indications of the Evolution of the Osmotic Pressure of the Blood and Other Body Fluids." (Read by title.)

H. D. Fish, "The Increase in Homozygosis which results from Certain Systems of Inbreeding."

The session of the afternoon consisted of a symposium, in joint session with the American Society of Zoology and Section F of the American Association for the Advancement of Science, on the subject "The Value of Zoology to Humanity."

E. G. Conklin, "The Cultural Value of Zoology."

C. B. Davenport, "The Value of Scientific Genealogy."

G. H. Parker, "The Eugenics Movement as a Public Service."

Stuart Paton, "Preparedness for Peace."

H. F. Osborn, "The Museum in the Public Service."

The Naturalists' dinner was held on the evening of December 31, at the Hotel Walton, with one hundred and forty in attendance. The president, Professor Samuel F. Clarke, described the founding and early history of the society, following whom Dr. A. G. Mayer, as retiring vice-president of Section F, gave an illustrated address on "The Research Work of the Tortugas Laboratory of the Carnegie Institution of Washington."

The officers of the Society for 1915 are:

*President*—Frank R. Lillie, University of Chicago.

*Vice-president*—Rollin A. Emerson, Cornell University.

*Secretary*—Bradley M. Davis, University of Pennsylvania (1914-16).

*Treasurer*—J. Arthur Harris, Carnegie Station for Experimental Evolution (1915-17).

*Additional Members of the Executive Committee*—Ross G. Harrison, Yale University (1914-1915); Raymond Pearl, Maine Agricultural Experiment Station (1914-16); Henry V. Wilson, Adeline Ames, Department of Agriculture, University of North Carolina (1915-17).

BRADLEY M. DAVIS,  
*Secretary for 1914*

#### AMERICAN SOCIETY FOR EXPERIMENTAL PATHOLOGY

FIRST session Monday, 2 P.M., December 28, 1914. The society was called to order by Presi-

dent R. M. Pearce. Report of council by secretary. The following papers were presented by members of the society:

"Studies on Streptococci," by E. C. Rosenow. Discussion by Drs. Pearce, Wells, Adami and Whipple.

"Observations on the Formation of Antibodies," by Ludvig Hektoen. Discussion by Dr. Karsner.

"Auto-plastic and Homio-plastic Transplantations of Tissues," by Dr. Leo Loeb. Discussion by Drs. Opie, Ulenhuth and Loeb.

"Further Studies in Nitrogen Retention and Renal Function," by Dr. H. T. Karsner. Discussion by Drs. Wells, Pearce, Opie and Karsner.

"Metastatic Calcification," by Dr. H. G. Wells. Discussion by Dr. Adami.

"Studies in Bile Pigment Excretion," by Drs. G. H. Whipple and C. W. Hooper. Discussion by Drs. Wells, Pearce and Whipple.

"The Influence of Diet upon the Progress of Bacterial Infection," by Drs. E. L. Opie, L. B. Alford. Discussion by Drs. Loeb and Wells, Karsner, Whipple and Opie.

Papers read by title:

"The Effect of Previous Intravenous Injections of the Pneumococcus upon Experimental Pneumonia by Intrabronchial Insufflation of the same Organism," by Drs. B. S. Kline and S. J. Meltzer.

"Further Studies Upon the Experimental Production of Leprosy in the Lower Animals," by Dr. C. W. Duval.

At the conclusion of this scientific session the society went into executive session for the election of officers and new members and transaction of business. Dr. Theobald Smith was unanimously elected president for the ensuing year. Dr. G. H. Whipple was elected vice-president for the ensuing year. Dr. Peyton Rous was elected secretary-treasurer for the ensuing year. Dr. R. M. Pearce was elected councillor in place of Dr. Harvey Cushing whose term expired.

The following new members were elected: Dr. James B. Murphy, of the Rockefeller Institute, Dr. L. G. Rowntree, of the Johns Hopkins Hospital, Dr. Richard Strong, of the Harvard Medical School, and Dr. M. C. Winternitz, of the Johns Hopkins Medical School.

On Tuesday afternoon, December 29, at 2 P.M., and Wednesday morning, January 30, 9 A.M., joint meetings of the Physiological, Biochemical, Pharmacological and Pathological Societies were held. The details of these meetings may be found in the proceedings of these respective societies.

GEORGE H. WHIPPLE