

Eleven of the separate parts of the different volumes have been issued:

*Volume III.—Insects:*

Part A—Collembola, by Justus W. Folsom. July 10, 1919.

Part B—Neuropteroid Insects, by Nathan Banks. July 11, 1919.

Part C—Diptera. July 14, 1919.

Crane-flies, by Charles P. Alexander.

Mosquitoes, by Harrison G. Dyar.

Diptera (excluding Tipulidae and Culicidae), by J. R. Malloch.

Part D—Mallophaga and Anoplura. September 12, 1919.

Mallophaga, by A. W. Baker.

Anoplura, by G. F. Ferris and G. H. F. Nuttall.

Part E—Coleoptera. December 12, 1919.

Forest Insects, including Ipidae, Cerambycidae, and Buprestidae, by J. M. Swaine.

Carabidae and Silphidae, by H. C. Fall.

Coccinellidae, Elateridae, Clerysomelidae and Rhynchophora, by C. W. Leng.

Dystiscidae, by J. D. Sherman, Jr.

Part F—Hemiptera, by E. P. Van Duzee. July 11, 1919.

Sawflies, by Alex. D. MacGillivray.

Parasitic Hymenoptera, by Charles T. Brues.

Wasps and Bees, by F. W. L. Sladen.

Plant Galls, by E. Porter Felt.

Part G—Hymenoptera and Plant Galls, November 3, 1919.

Sawflies, by Alex. D. MacGillivray.

Parasitic Hymenoptera, by Chas. T. Brues.

Wasps and Bees, by F. W. Sladen.

Plant Galls, by E. P. Felt.

Part H—Spiders, Mites and Myriapods. July 14, 1919.

Spiders, by J. H. Emerton.

Acarina, by Nathan Banks.

Chilopoda, by Ralph V. Chamberlin.

*Volume VII.—Crustacea.*

Part A—Decapod Crustaceans, by Miss Mary J. Rathbun. August 18, 1919.

Part B—Schizopod Crustaceans, by Waldo L. Schmitt. September 22, 1919.

*Volume VIII.—Mollusks, Echinoderms, Coelenterates, etc.*

Part A—Mollusks, Recent and Pleistocene, by Wm. Healey Dall. September 24, 1919.

*Volume IX.—Annelids, Parasitic Worms, Protozoans, etc.*

Part A—Oligochaeta, by Frank Smith and Paul S. Welch. September 29, 1919.

## THE AMERICAN SOCIETY OF NATURALISTS

THE thirty-seventh annual meeting of the American Society of Naturalists was held in Guyot Hall, Princeton University, on December 30 and 31, 1919.

The report of the treasurer showing a balance on hand of \$327.33 was accepted.

The following changes in the constitution, recommended by the executive committee, were authorized.

Article III., Section 1, to read: The officers of the society shall be a president, a vice-president, a secretary and a treasurer. These, together with three past-presidents and the retiring vice-president, shall constitute the executive committee of the society.

Article III., Section 2, to read: The president and vice-president shall be elected for a term of one year, the secretary and treasurer for a term of three years. Each president on retirement shall serve on the executive committee for three years. Each vice-president on retirement shall serve on the executive committee for one year. The election of officers shall take place at the annual meeting of the society, and their official term shall commence at the close of the meeting at which they are elected.

On recommendation of the executive committee the society accepted an invitation from the National Research Council to appoint an advisory committee to act with the Division of Biology and Agriculture. The following were elected to this committee: Herbert S. Jennings, Alfred G. Mayor, George H. Shull, Ross G. Harrison, Bradley M. Davis.

A request for financial support from the management of Botanical Abstracts was discussed by the society with the result that a motion was carried to the effect that such appropriations were against the general policy of the American Society of Naturalists.

On motion the society approved of the appointment by the chair of a committee to consider and report on genetic form and nomenclature. This committee consists of Clarence C. Little, Donald F. Jones, Sewall Wright, Alfred H. Sturtevant and George H. Shull.

The following resolution presented by Charles B. Davenport and strongly supported from the floor was adopted.

WHEREAS, A current index of scientific publications is necessary to the progress of science and

can be conducted properly only by bibliographers of experience, and at great expense; and

WHEREAS, The Concilium Bibliographicum of Zurich has for a quarter of a century maintained a valuable and unique service in international bibliography, especially in the fields of zoology, physiology, vertebrate anatomy and general biology; has continued the bibliography of Engelmann and Carus which covers the period from 1700 to the present; and has maintained a service of general bibliographic information; and

WHEREAS, the sciences named are the pure sciences upon which the science of medicine rests;

Therefore resolved, that the American Society of Naturalists (which has in the past made such subsidies to the Concilium as it could afford) cordially endorses the effort of the Concilium Bibliographicum to secure adequate financial support in this country.

There was elected to honorary membership in the society, William Bateson, John Innes Horticultural Institute, England.

The following were elected to membership: Joseph C. Arthur, Purdue University; Henry C. Cowles, University of Chicago; William Crocker, University of Chicago; Herbert M. Evans, University of California; Edward M. Freeman, University of Minnesota; Aleš Hrdlička, United States National Museum; Clarence M. Jackson, University of Minnesota; Warren H. Lewis, Johns Hopkins Medical School; Ann H. Morgan, Mount Holyoke College; John T. Patterson, University of Texas; Everett F. Phillips, United States Department of Agriculture; Donald Reddick, New York State College of Agriculture; Jacob R. Schramm, New York State College of Agriculture; Homer L. Shantz, United States Department of Agriculture; Henry B. Ward, University of Illinois.

The following program was presented at the morning session of December 30:

*Causes of variation in sex ratio of the wasp, Hadrobracon*: P. W. WHITING.

*Population and race in the Pacific area*: W. E. RITTER.

*The evolution of Pacific coral reefs*: A. G. MAYOR.  
*The relative importance of heredity and environment in determining the piebald pattern of guinea-pigs*: SEWALL WRIGHT.

*Relations between nuclear number, chromatin mass, cytoplasmic mass and shell characteristics in Arcella*: R. W. HEGNER.

*The function of the striae in the rotation of the Euglenoids and the problem of evolution*: L. B. WALTON.

*Iodine and the thyroid*: W. W. SWINGLE.

*Selective fertilization in pollen mixtures*: D. F. JONES.

*Changing by castration the hen-feathered into the cock-feathered condition*: T. H. MORGAN.

*Application of the chromosome theory to embryonic differentiation*: E. G. CONKLIN.

The session of the afternoon of December 30 consisted of a symposium on *Some relations of biology to human welfare*.

*The theoretical problems of forestry*: RAPHAEL ZON.

*Biology in relation to ethics*: W. E. RITTER.

*Biology and society*: W. M. WHEELER.

*The significance of some general biological principles in public health problems*: RAYMOND PEARL.

*General biology in its relation to medicine*: H. E. JORDAN (read by title.)

The program of December 31 consisted of the following papers:

*A type of primary non-disjunction in Drosophila melanogaster*: A. H. STURTEVANT.

*A sex-linked recessive linkage variation in Drosophila melanogaster*: C. B. BRIDGES.

*A race of Drosophila willistoni giving a shortage of females*: D. E. LANCEFIELD AND C. W. METZ.  
*Mutants and mutability in different species of Drosophila*: C. W. METZ.

*Two hereditary tumors in Drosophila*: MARY B. STARK.

*Inheritance of the rubricalyx character in Enothera*: G. H. SHULL.

*An analysis of an intergrading sex character*: A. M. BANTA AND MARY GOVER.

*Precocious development in Salpa: a biological not a utilitarian phenomenon*: M. M. METCALF (read by title.)

*Ontogeny versus phylogeny in the development of the sensory apparatus in mammalian embryos*: H. H. LANE.

*The influence of alcoholized grandparents upon the behavior of white rats*: E. C. MACDOWELL AND E. M. VICARI.

*Evidence of specific evolution in the genus Partula in the Society Islands*: H. E. CRAMPTON.

*Inheritance of flower form in Phlox Drummondii*: J. P. KELLY.

*An extra chromosome in Camnula pellucida; variations in the number of chromosomes within the testis*: MITCHEL CARROLL.

*Inheritance of milk production and butter-fat percentage as shown by first generation hybrids between the dairy and beef breeds of cattle*: J. W. GOWEN.

*The vascular anatomy of dimerous and trimerous seedlings of Phaseolus vulgaris:* J. ARTHUR HARRIS, E. W. SINNOTT AND J. Y. PENNY-PACKER.

*Genetic investigations in Crepis:* E. B. BABCOCK (read by title.)

*Relationships among the genes for color variation in rodents:* L. C. DUNN (read by title.)

*Dice casting and pedigree selection:* H. H. LAUGHLIN.

*Known matings in a species with heteromorphic homologous chromosomes; recombinations obtained in  $F_1$  and  $F_2$ :* E. ELEANOR CAROTHERS.

*The relation of the somatic chromosomes in *Oenothera lamarckiana* and *O. gigas*:* R. T. HANCE.

*Concerning the inheritance of broodiness in domestic fowl:* H. D. GOODALE (read by title.)

*Heredity of twinning from the paternal side:* C. B. DAVENPORT.

*Notes on the human sex ratio:* C. C. LITTLE.

*An experiment on regulation in plants:* E. N. HARVEY (read by title.)

*A series of allelomorphs in *Drosophila* with non-quantitative relationships:* H. J. MULLER.

*The rate of evolution:* E. G. CONKLIN.

The Naturalists' dinner was held on the evening of December 30 in the dining hall of the Graduate School of Princeton University with eighty-two in attendance. The presidential address by Edward M. East was entitled "Population."

The officers of the society for 1920 are:

*President*—Jacques Loeb, Rockefeller Institute for Medical Research.

*Vice-president*—Bradley M. Davis, University of Michigan.

*Secretary*—A. Franklin Shull, University of Michigan (1920-22).

*Treasurer*—J. Arthur Harris, Carnegie Station for Experimental Evolution (1918-20).

*Additional members of the Executive Committee*—John H. Gerould, Dartmouth College (1920); George H. Shull, Princeton University (1918-20); William E. Castle, Harvard University (1919-21); Edward M. East, Harvard University (1920-22).

BRADLEY M. DAVIS,  
Secretary

## THE AMERICAN PHYSICAL SOCIETY

THE twenty-first annual meeting (the 101st regular meeting) of the American Physical Society was held at Soldan High School in St. Louis, Missouri, on December 30, 31, 1919, and January 1, 1920, in affiliation with Section B—Physics—of

the American Association for the Advancement of Science.

At the business session held on December 31, 1919, officers for 1920 were elected as follows:

*President*—J. S. Ames.

*Vice-president*—Theodore Lyman.

*Secretary*—D. C. Miller.

*Treasurer*—G. B. Pegram.

*Managing Editor*—F. Bedell.

*Councillors*—F. B. Jewett and Max Mason.

*Members of the Editorial Board*—E. L. Nichols, C. M. Sparrow and W. F. G. Swann.

The question of the relation of the society to the work of the trustees for the Preparation of Critical Tables of Physical and Chemical Constants was brought before the society; after discussion it was, by general consent, referred to the president, the councillor and the trustee representing the society, for such action as may seem best.

At the meeting of the council held on December 30, 1919, the following elections were made: to *regular membership*, T. H. Gronwall, E. H. Kennard, Henry A. McTaggart; to *associate membership*, William H. Agnew, W. H. Bair, Vola P. Barton, Henry M. Brook, J. T. Lindsay Brown, John A. David, E. C. Gaskill, Charles W. Henderson, F. F. Householder, Teizo Isshiki, Charles S. Jewell, P. Kirkpatrick, F. W. Kranz, Charles P. Miller, George S. Monk, Chalmer N. Patterson, Herbert J. Plagge, Geo. E. Raburn, S. P. Shackleton, George C. Southworth, John Alden Terrell, John A. Tobin, A. P. Vanselow, E. E. Zimmerman; *transferred from associate to regular membership*, Harold D. Babcock, Clifton G. Found, R. C. Gibbs, J. A. Gray, Frank B. Jewett, Edwin C. Kemble, Fred Loomis Mohler, Lindley Pyle, C. V. Raman, Paul E. Sabine, F. B. Silsbee, Elmer H. Williams.

On Tuesday afternoon, December 30, 1919, the president, J. S. Ames, delivered an address on "Einstein's theory of gravitation and some of its consequences." This was a masterly presentation of the development and conclusions of this theory, and it was listened to by the largest audience of the meetings.

The session on the afternoon of Wednesday, December 31, 1919, was under the auspices of Section B—Physics—of the American Association of the Advancement of Science. The retiring chairman of Section B, Dr. G. F. Hull, gave an address on "Some aspects of physics in war and peace." Following this there was a symposium of four special papers on "Phenomena in the ultra-violet