

T. Gilbert Pearson representing the National Association of Audubon Societies.

Arthur Stanley Riggs representing the Archeological Institute of America.

Victor E. Shelford representing the Ecological Society of America.

Mrs. Katharine B. Tippetts representing the General Federation of Women's Clubs.

Henry Baldwin Ward representing the Izaak Walton League of America.

William P. Wharton representing the American Forestry Association.

David White representing the Geological Society of America.

Besides the representatives of other organizations, the reorganized board contains these fifteen trustees at large: Truman Abbe, Albert W. Atwood, Henry W. de Forest, Charles W. Eliot, 2d, Joshua Evans, Jr., Francis M. Goodwin, Caspar W. Hodgson, Walter Bruce Howe, John C. Merriam, John Barton Payne, George E. Scott, Mrs. John Dickinson Sherman, Fred E. Wright and Robert Sterling Yard. Former trustees will be found scattered among both groups, most of them in the latter.

The wholesome relationship of public lands of all uses, of which the National Parks System is one, is the concern of this association, and the preservation of the rare remaining primitive in its safest form of administration is a prime objective.

ROBERT STERLING YARD,  
*Executive Secretary*

### THE BOWDOIN INSTITUTE OF NATURAL SCIENCE

BOWDOIN COLLEGE at Brunswick is planning to open on April 7 an institute of natural sciences. The institute will be the fifth in a series begun in 1923, when the subject chosen was "Modern History," and continued at intervals of two years with "Modern Literature," "Art" and "The Social Sciences." The institutes have sought to bring to the student body, the community and the friends of the college an opportunity to hear something of the problems which claim the attention of the leaders in the several fields of activity represented.

Plans for the coming season have been in the hands of a faculty committee under the leadership of Professor Manton Copeland, of the department of biology. Nine speakers will come to the college for the institute, which will occupy about two weeks and will be opened on April 7. Specific fields of science to be represented are astronomy, biology, chemistry, geography, geology, medicine, physics and psychology.

Professor Julian Huxley, English writer and scientist, was the first speaker in the institute group. He spoke at Bowdoin on "Development, Heredity and Evolution."

Dr. Harlow Shapley, director of the Harvard College Observatory, will talk at the April sessions on "The Cosmic Panorama." Professor Kirtley F. Mather, of Harvard, will speak on "Sons of the Earth: The Geologist's View of History."

Professor Dayton C. Miller, of the Case School of Applied Science at Cleveland, will present "Demonstrations on Visible Sound." Professor George H. Parker, Harvard University, will lecture on "The Cost of a Thought." Professor Edwin G. Boring, also of Harvard University, will discuss "The Rise of Scientific Psychology."

Professor Charles H. Herty, of New York, former president of the American Chemical Society, will speak on "Chemistry's Service in the Promotion of Industrial Research in America." Dr. Isaiah Bowman, director of the American Geographical Society, will speak on "The Invitation of the Earth."

Dr. Florence R. Sabin, of the Rockefeller Institute for Medical Research, will have as her topic "Recent Studies of the Chemistry of Bacteria as Applied to Disease." Professor Edwin G. Conklin, of Princeton University, will be the second speaker in the field of biology.

### OFFICERS OF THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

A FULL report of the Cleveland meeting of the American Association for the Advancement of Science and the associated scientific societies will be printed in *SCIENCE* as soon as the permanent secretary is able to arrange the material. Dr. Franz Boas, professor of anthropology at Columbia University, was elected president, succeeding Dr. Thomas Hunt Morgan, of the California Institute of Technology. Dr. C. F. Roos, assistant professor of mathematics at Cornell University and secretary of Section K, was elected permanent secretary to succeed Dr. Burton E. Livingston, professor of plant physiology at the Johns Hopkins University, who becomes general secretary. Professor Charles A. Shull, University of Chicago, was elected secretary of the council to succeed Professor Sam F. Trelease, of Columbia University. Vice-presidents and chairmen of the sections were elected as follows:

Section A (Mathematics), Dr. Earle R. Hedrick, professor of mathematics, University of California at Los Angeles.

Section B (Physics), Dr. Bergen Davis, professor of physics, Columbia University.

Section C (Chemistry), Dr. C. A. Browne, chief of the Bureau of Chemistry, U. S. Department of Agriculture.

Section D (Astronomy), Dr. J. H. Moore, astronomer, Lick Observatory.

Section E (Geology and Geography), Dr. Douglas Johnson, professor of physiography, Columbia University.

Section F (Zoological Sciences), Dr. Robert Hegner, professor of protozoology, The Johns Hopkins University.

Section G (Botanical Sciences), Dr. Elmer D. Merrill, director, New York Botanical Garden.

Section H (Anthropology), Dr. William K. Gregory, curator of paleontology, American Museum of Natural History, and professor of paleontology, Columbia University.

Section I (Psychology), Dr. Herbert S. Langfeld, professor of psychology, Princeton University.

Section K (Social and Economic Sciences), Dr. Griffith C. Evans, professor of mathematics, Rice Institute.

Section L (Historical and Philological Sciences), Dr. W. B. Munro, professor of history and government, Harvard University, and the California Institute of Technology.

Section M (Engineering), Dr. Dexter S. Kimball, professor of engineering and dean of the College of Engineering, Cornell University.

Section N (Medical Sciences), Professor Howard T. Karsner, professor of pathology, Western Reserve University.

Section O (Agriculture), C. G. Williams, Ohio Agricultural Experiment Station.

Section Q (Education), Professor Ernest Horn, professor of education, State University of Iowa.

Other elections were as follows:

*Council members to succeed* Dr. L. E. Dickson, University of Chicago, and Dr. David White, of the U. S. Geological Survey, are Dr. F. G. Cottrell, U. S. Department of Agriculture, and Dr. A. F. Woods, U. S. Department of Agriculture.

*Members of executive committee to succeed themselves:* Dr. J. McKeen Cattell, Garrison, New York, and Professor Henry B. Ward, University of Illinois.

*Members of the committee on grants for research to succeed* Professor W. Lash Miller, of the University of Toronto, and Professor Oswald Veblen, of Princeton University, are Professor S. C. Lind (chemistry), of the University of Minnesota, and Professor Carl E. Guthe (anthropology), of the University of Michigan.

*Member of the finance committee,* Herbert A. Gill to succeed himself.

*Nomination for board of trustees for Science Service,* J. McKeen Cattell to succeed himself.

*Secretary of the academy conference,* Dr. S. W. Bil-  
sing, of the Texas Agricultural and Mechanical College.

*Secretary of the secretaries' conference,* Commander N. H. Heck, secretary of Section M.

## SCIENTIFIC NOTES AND NEWS

DR. J. PERRIN SMITH, emeritus professor of paleontology at Stanford University, with which he had been connected since 1892, died on January 1. He was sixty-six years old.

IN the British New Year's list of honors Sir Ernest Rutherford, professor of experimental physics and director of the Cavendish Laboratory at the University of Cambridge, has been made a baron; Sir John Rose Bradford, president of the Royal College of Physicians, and Sir Richard Gregory, editor of *Nature*, have been advanced to be baronets; Frank E. Smith, director of scientific research at the admiralty and secretary of the Royal Society, has been knighted.

THE one thousand dollar award of the American Association for the Advancement of Science for an outstanding paper presented at the Cleveland meeting was given to Drs. M. A. Tuve, L. R. Hafstad and O. Dahl, of the Department of Terrestrial Magnetism of the Carnegie Institution of Washington. Their paper entitled "Experiments with High Voltage Tubes" was presented to the American Physical Society.

DR. J. HOWARD BROWN, professor of bacteriology in the School of Medicine of the Johns Hopkins University, was elected president of the Society of American Bacteriologists at the recent meeting at Boston.

DR. L. A. ROGERS, of the U. S. Department of Agriculture, and Dr. Norman MacL. Harris, health commissioner of Ottawa, Canada, were elected members of the council. The society will hold its next meeting at the Johns Hopkins Medical School. In 1932 it is planned to meet at the University of Michigan.

DR. ALFRED C. LANE, Pearson professor of geology and mineralogy at Tufts College, was elected president of the Geological Society of America at the forty-third annual meeting held in Toronto.

DR. W. F. G. SWANN, director of the Bartol Research Foundation of the Franklin Institute, was elected president of the American Physical Society at the Cleveland meeting.

DR. FRANCIS CARTER WOOD, of the Crocker Cancer Research Institute of Columbia University, is president-elect of the Radiological Society of North America.

PROFESSOR WILLIAM KING GREGORY was elected president of the Galton Society and Mr. Frederick Osborn secretary-treasurer at the meeting of the society on December 15.

DR. W. D. LAMBERT, of the U. S. Coast and Geodetic Survey, delivered on January 3 the address as retiring president of the Philosophical Society of