

of funds were immediately appointed, and, later, a sub-committee on allotment of grants.<sup>2</sup>

Generous response has been met in the early solicitations and the committee is able to announce that two contributions of \$12,500 each have been received from the Commonwealth Fund and from the General Education Board. These contributions will be repeated annually for a period of five years, if satisfactory progress can be made in the support of these investigations. Contributions of other funds have been received from manufacturers and also of apparatus, such as X-ray and ultra-violet equipment, and of the loan of radium, totaling in value about \$40,000. It is expected that additional donations will be received. These contributions from manufacturers will be listed in a later announcement by the committee.

As these funds are now available, investigators, who have worked in this field or who have peculiar qualifications for such research, are invited to present requests for support not later than March 1, 1929, for the period ending May 31, 1930. Application blanks may be obtained about February 1.

The general conditions under which grants of money or apparatus will be made were stated as follows in the proposal approved in April, 1928, by the Research Council:

- I. To be eligible for consideration, an investigator must present evidence, either in the form of published papers or otherwise, that he has a problem well in hand or he must have obvious qualifications to undertake such research. He must also satisfy the committee that his institution is furnishing reasonable support and equipment for general purposes if not the special features of this work. Time available for the research will be a consideration, particularly in the case of individuals engaged in teaching.
- II. The items for which a grant may be expended will include:
  - (a) Salaries of research assistants, technicians, clerical assistants, and others who may be employed in the prosecution of any such investigation.
  - (b) Purchase of materials, instruments, equipment, etc., such as might not be expected in a laboratory with good general equipment.
  - (c) Any other assistance, exclusive of the investigator's salary, which any project legitimately

<sup>2</sup> The personnel of these committees includes: *General Committee*, W. C. Curtis (Chairman), L. L. Woodruff, and D. H. Tennent; *Sub-committee on Solicitation of Funds*, W. C. Curtis (Chairman), C. C. Little, Herman Schneider, William Crocker, and L. L. Woodruff; *Sub-committee on Allotment of Grants*, D. H. Tennent (Chairman), G. H. Parker, H. S. Jennings, C. E. Allen, W. C. Curtis.

requires. Under this head a limited amount may be spent for traveling expenses by the investigator.

(d) The investigator's salary will be paid in full by his institution, which will thus contribute by the time the individual is allowed for research as well as by the general facilities of a well-equipped laboratory. In some instances, however, it may be possible to allow men on sabbatical half-pay a balance on salary account, not to exceed \$2,500 for a twelve-month period.

It is therefore intended that the institution in which the investigator is working shall do its share. The committee hopes to encourage research in smaller institutions and departments, as well as to support work in the largest and best equipped universities and research institutes.

More explicit statement of policy can not be made at the present time. All communications should be addressed to the Division of Biology and Agriculture, National Research Council, B and 21 Streets, Washington, D. C.

W. C. CURTIS, *Chairman*  
*General Committee on Radiation*

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

FULL reports of the New York meeting of the American Association and the Associated Societies will be printed in SCIENCE as soon as they can be prepared by the permanent secretary. The officers elected were as follows:

##### PRESIDENT

Robert A. Millikan, director of the Norman Bridge Laboratory, the California Institute of Technology.

##### VICE-PRESIDENTS

Section A—E. T. Bell, professor of mathematics, California Institute of Technology.

Section B—C. E. Mendenhall, professor of physics, University of Wisconsin.

Section C—S. C. Lind, director of the school of chemistry, University of Minnesota.

Section D—Harlow Shapley, professor of astronomy, Harvard University, and director of the Harvard College Observatory.

Section E—G. F. Kay, professor and head of the department of geology and dean of the college of liberal arts, University of Iowa.

Section F—C. M. Child, professor of zoology, University of Chicago.

Section G—J. Arthur Harris, head of the department of botany, University of Minnesota.

Section H—A. V. Kidder, Phillips Academy.

Section I—Madison Bentley, professor of psychology, Cornell University.

Section K—H. L. Rietz, professor of mathematics, the State University of Iowa.

Section L—Henry O. Taylor, New York City.

Section M—H. F. Moore, professor of engineering materials, University of Illinois.

Section N—Ludwig Hektoen, head of the department of pathology of the University of Chicago, and director of the McCormick Institute for Infectious Diseases.

Section O—M. F. Miller, professor of soils, University of Missouri.

Section Q—Frank N. Freeman, professor of educational psychology, University of Chicago.

#### SECRETARIES OF SECTIONS

Section A—Charles N. Moore, professor of mathematics, University of Cincinnati.

Section B—A. Ll. Hughes, professor of physics, Washington University.

Section C—R. R. Renshaw, professor of organic chemistry, New York University.

Section D—Philip Fox, professor of astronomy, Northwestern University, and director of the Dearborn Observatory.

Section E—Kirtley F. Mather, professor of geology, Harvard University.

Section F—George T. Hargitt, professor of zoology, Syracuse University.

Section G—Sam F. Trelease, associate professor of plant physiology, Columbia University.

Section H—C. H. Danforth, professor of anatomy, Stanford University.

Section I—Edward S. Robinson, professor of psychology, Yale University.

Section K—C. F. Roos, Cornell University.

Section L—Leonard Bloomfield, professor of Germanic philology, University of Chicago (linguistics); Joseph Mayer, professor of economics and sociology, Tufts College (history).

Section M—N. H. Heck, chief of the division of terrestrial magnetism and seismology of the U. S. Coast and Geodetic Survey.

Section N—E. V. Cowdry, Medical School, Washington University.

Section O—P. E. Brown, professor of soils, Iowa State College.

Section Q—W. L. Uhl, professor of education, University of Washington.

#### GENERAL SECRETARY

Frank R. Lillie, professor of zoology, University of Chicago.

#### PERMANENT SECRETARY

Burton E. Livingston, professor of plant physiology, the Johns Hopkins University.

#### TREASURER

John L. Wirt, Carnegie Institution of Washington.

#### AUDITOR

Lyman J. Briggs, physicist and chief of the division of mechanics and sound, Bureau of Standards.

#### MEMBERS OF THE COUNCIL

L. O. Howard, U. S. Department of Agriculture; D. T. MacDougal, director of the laboratory of plant physiology, Carnegie Institution.

#### MEMBERS OF EXECUTIVE COMMITTEE

Vernon L. Kellogg, permanent secretary, National Research Council; Edwin Bidwell Wilson, professor of vital statistics in the school of public health, Harvard University; Karl T. Compton, professor of physics, Princeton University.

#### MEMBER OF FINANCE COMMITTEE

Geo. K. Burgess, director of the Bureau of Standards.

#### TRUSTEE OF SCIENCE SERVICE

Raymond Pearl, professor of biology in the school of medicine and director of the Institute of Biological Research, the Johns Hopkins University.

### SCIENTIFIC NOTES AND NEWS

DR. GEORGE H. PARKER, professor of zoology at Harvard University, has been elected president of the American Society of Naturalists to succeed Dr. H. H. Donaldson, of the Wistar Institute.

PROFESSOR HEINRICH RIES, of Cornell University, has been elected president of the Geological Society of America for 1929.

DR. KARL S. LASHLEY, of the Chicago Institute for Juvenile Research, has been elected president of the American Psychological Association. He will give the address at the time of the meeting of the International Congress of Psychology to be held in New Haven in September, 1929, with which the annual meeting of the American Psychological Association will be merged.

PROFESSOR MORRIS R. COHEN, since 1912 professor of philosophy in the College of the City of New York, has been elected president of the eastern section of the American Philosophical Society. Dr. E. G. Spaulding, professor of philosophy at Princeton University, was elected vice-president, and Charles W. Hendel, of Princeton University, secretary and treasurer.

DR. WILHELM OSTWALD, the distinguished German chemist, celebrated the fiftieth anniversary of his doctorate on December 19.

THE Penrose medal of the Geological Society of America was presented to Jakob Johannes Sederholm, director of the Geological Commission of Finland, at the dinner of the society on December 28. Dr. Bailey Willis, of Stanford University, the retiring president of the society, presided, and the speakers were Dr.