

(b) That the services of a field secretary be secured, to work with existing agencies, to distribute information on research in science education, to stimulate further research, to operate as a sort of clearing-house agent and to continue the organizing of new groups of science teachers, writers for popularization of science, etc. This field secretary should work under the guidance of the Committee on the Place of Science in Education, or under the guidance of a national council of science teachers as soon as such a council is formed.

(c) That a national council of science teachers be organized to advance science teaching, to increase public appreciation of science and to secure for science teachers increased facilities and a wider usefulness. The services of a field secretary would be very useful in the organization of such a council.

(Signed) OTIS W. CALDWELL,
Chairman.

GRANTS FOR RESEARCH, FOR 1928

An appropriation of \$3,000 was made by the council at Nashville for individual grants in aid of scientific research, to be allotted to applicants by the Committee on Grants for Research. Fifty-six applications were received and considered in the regular way by the committee. The sums requested amounted, on the whole, to \$18,500. Since only \$3,000 was available for this allotment, it follows that a very large number of applicants must be disappointed. This fact should not be allowed to discourage applications for future years, however, for the committee feels that better selections are possible when the number and amounts of the applications greatly exceed the possibilities for actual grants. Members who have research projects suitable for grants from the association should not hesitate to make application.

Applications are made on special blanks, obtainable from the Washington office of the association, and they may be sent in at any time. Allotments are made only at the time of the annual meeting. In recent years the amount of a single grant has not exceeded \$500 and most of the grants are for smaller sums. This year the largest grant is for \$350.

The chairman of the Committee on Grants for Research has reported the following allotments of funds for 1928, all of the council's appropriation for this purpose being thus used up. The list is arranged according to the several fields of science represented.

Physics

- James W. Broxon, University of Colorado, Boulder, Colo. For studying pressure variation of the natural ionization in gases at high pressures\$350
A. L. Hughes, Washington University, St. Louis,

- Mo. For studying ionization and photoelectric effects with polarized light 150

Astronomy

- Heber D. Curtis, Allegheny Observatory, Pittsburgh, Pa. For completion of large special comparator for parallax and proper motion investigations on the extensive stock of plates which have been taken with the Thaw Photographic Refractor at Allegheny Observatory 300

Geology and Paleontology

- Seismological Society of America (S. D. Townley, Treasurer, Stanford University, Calif.). For investigation of earthquakes occurring on the Pacific Coast of the United States 200
Ferdinand Canu, 18 Rue de Peintre Lebrun, Versailles, France. For studying the Bryozoan fauna of the Galapagos Islands 150

Zoology

- Phineas W. Whiting, Bussey Institution, Boston, Mass. For genetic work with the parasitic wasp, *Habrobracon*, especially in relation to sex-determination and parthenogenesis 150
Winterton C. Curtis, University of Missouri, Columbia, Mo. For studying effects of irradiation upon regeneration 300
Henry H. Collins, 916 Adelaide St., Pittsburgh, Pa. For investigation of the effects of inter-specific gonad transplantation upon the development of specific characters in ontogeny and in regeneration, in certain urodele amphibia, together with incidental studies of life histories and geographic variations 200

Botany

- William R. Maxon, U. S. National Museum, Washington, D. C. For preparation of manuscript for a volume describing the pteridophyta of Jamaica, to be published as one of the series now issuing from the British Museum (Natural History), "Flora of Jamaica," by Fawcett and Rendle 300
Joyce Hedrick, 106 E. Spring St., Oxford, Ohio. For continuing research of Dr. Bruce Fink on "The Lichen Flora of the United States" 200

Anthropology

- Henry B. Collins, Jr., U. S. National Museum, Washington, D. C. For archeological research at ancient village sites in northern Alaska, particularly on St. Lawrence Island, for the purpose of tracing ancient migrations in the vicinity of Bering Strait 300

Physiology and Medicine

- Elery R. Becker, Iowa State College, Ames, Iowa. For investigation of the physiological rôle in their host of the protozoa which inhabit the

rumen and reticulum of normal, healthy ruminants	300
Roy L. Moodie, 1021 11th St., Santa Monica, Calif. For the study of surgery in pre-Columbian Peru	100

GENERAL OFFICERS OF THE ASSOCIATION FOR 1928

The president and the vice-presidents for any year automatically become the retiring president and the retiring vice-presidents for the following year. Consequently this list shows the names of the president and vice-presidents for 1927 as well as for 1928. Dr. L. H. Bailey, of Ithaca, N. Y., was retiring president for 1927. The section secretaries are elected for a four-year term, expiring at the end of 1928, but the secretaries of Sections A, H, L and N found it necessary to resign at the Nashville meeting. For Sections A, H and N their successors were elected for a term of one year.

President

Henry Fairfield Osborn, American Museum of Natural History, New York, N. Y.

Retiring President

Arthur A. Noyes, California Institute of Technology, Pasadena, Calif.

Vice-Presidents, Retiring Vice-Presidents and Secretaries of the Sections

Section A (Mathematics):

Vice-president, Raymond C. Archibald, Brown University, Providence, R. I.

Retiring Vice-president, Dunham Jackson, University of Minnesota, Minneapolis, Minn.

Secretary, Charles N. Moore, University of Cincinnati, Cincinnati, Ohio. (To succeed Raymond C. Archibald, resigned.)

Section B (Physics):

Vice-president, P. W. Bridgman, Harvard University, Cambridge, Mass.

Retiring Vice-president, Arthur H. Compton, University of Chicago, Chicago, Ill.

Secretary, A. L. Hughes, Washington University, St. Louis, Mo.

Section C (Chemistry):

Vice-president, C. E. K. Mees, Eastman Kodak Co., Rochester, N. Y.

Retiring Vice-president, Roger Adams, University of Illinois, Urbana, Ill.

Secretary, Gerhard Dietrichson, Massachusetts Institute of Technology, Cambridge, Mass.

Section D (Astronomy):

Vice-president, J. S. Plaskett, Dominion Astrophysical Observatory, Victoria, B. C., Canada.

Retiring Vice-president, Walter S. Adams, Mt. Wilson Observatory, Pasadena, Calif.

Secretary, Philip Fox, Dearborn Observatory, Northwestern University, Evanston, Ill.

Section E (Geology and Geography):

Vice-president, Frank Leverett, University of Michigan, Ann Arbor, Mich.

Retiring Vice-president, Charles Schuchert, Yale University, New Haven, Conn.

Secretary, G. R. Mansfield, U. S. Geological Survey, Washington, D. C.

Section F (Zoological Science):

Vice-president, M. F. Guyer, University of Wisconsin, Madison, Wis.

Retiring Vice-president, C. E. McClung, University of Pennsylvania, Philadelphia, Pa.

Secretary, Geo. T. Hargitt, Syracuse University, Syracuse, N. Y.

Section G (Botanical Sciences):

Vice-president, C. E. Allen, University of Wisconsin, Madison, Wis.

Retiring Vice-president, William Crocker, Boyce Thompson Institute for Plant Research, Yonkers, N. Y.

Secretary, Sam F. Trelease, Columbia University, New York, N. Y.

Section H (Anthropology):

Vice-president, Fay-Cooper Cole, University of Chicago, Chicago, Ill.

Retiring Vice-president, R. J. Terry, Washington University, St. Louis, Mo.

Secretary, Charles H. Danforth, Stanford University, Calif. (To succeed Fay-Cooper Cole, resigned.)

Section I (Psychology):

Vice-president, Howard C. Warren, Princeton University, Princeton, N. J.

Retiring Vice-president, Knight Dunlap, Johns Hopkins University, Baltimore, Md.

Secretary, Frank N. Freeman, University of Chicago, Chicago, Ill.

Section K (Social and Economic Sciences):

This section is not organized at present.

Section L (Historical and Philological Sciences):

This section is not organized at present.

Section M (Engineering):

Vice-president, Robert Lemuel Sackett, Pennsylvania State College, State College, Pa.

Retiring Vice-president, A. N. Talbot, University of Illinois, Urbana, Ill.

Secretary, N. H. Heck, U. S. Coast and Geodetic Survey, Washington, D. C.

Section N (Medical Sciences):

Vice-president, A. J. Goldforb, College of the City of New York, New York, N. Y.

Retiring Vice-president, G. Canby Robinson, Vanderbilt University, Nashville, Tenn.

Secretary, James Harold Austin, University of Pennsylvania, Philadelphia, Pa. (To succeed A. J. Goldforb, resigned.)

Section O (Agriculture):

Vice-president, C. A. Mooers, University of Tennessee, Knoxville, Tenn.

Retiring Vice-president, L. E. Call, Kansas State Agricultural College, Manhattan, Kans.