

**BULLETIN OF NATIONAL
RESEARCH COUNCIL VOL.
2, MARCH, 1921, NO. 9**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649368600

Bulletin of National research council Vol. 2, March, 1921, No. 9 by Callie Hull

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CALLIE HULL

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Announcement Concerning Publications of the National Research Council

The Proceedings of the National Academy of Sciences has been designated as the official organ of the National Research Council for the publication of accounts of research, committee and other reports, and minutes.


Subscription rate for the "Proceedings" is \$5 per year. Business address: Home Secretary, National Academy of Sciences, Smithsonian Institution, Washington, D. C.

The Bulletin of the National Research Council presents contributions from the National Research Council, other than proceedings, for which hitherto no appropriate agencies of publication have existed.

The "Bulletin" is published at irregular intervals. The subscription price, postpaid, is \$5 per volume of approximately 500 pages. Numbers of the "Bulletin" are sold separately at prices based upon the cost of manufacture (for list of bulletins see third cover page).

The Reprint and Circular Series of the National Research Council renders available for purchase, at prices dependent upon the cost of manufacture, papers published or printed by or for the National Research Council (for list of reprints and circulars see third cover page).

Orders for the "Bulletin" or the "Reprints and Circulars" of the National Research Council, accompanied by remittance, should be addressed: Publication Office, National Research Council, 1701 Massachusetts Avenue, Washington, D. C.



AUG 23 1983

STANFORD, CA 94305

BULLETIN
OF THE
NATIONAL RESEARCH COUNCIL

Vol. 2, Part 1

MARCH, 1921

Number 9

FUNDS AVAILABLE IN 1920 IN THE UNITED STATES
OF AMERICA FOR THE ENCOURAGEMENT
OF SCIENTIFIC RESEARCH

COMPILED BY THE RESEARCH INFORMATION SERVICE,
NATIONAL RESEARCH COUNCIL
CALLIE HULL, TECHNICAL ASSISTANT

CONTENTS

I Introduction.....	1
II Medals and prizes for research.....	2
III Grants for research.....	11
IV Institutional funds for research.....	21
V Fellowships and scholarships for research.....	36
VI Subjects in which funds for research are available.....	54
VII Index to institutions and to funds for research.....	73

I. INTRODUCTION

The Research Information Service of the National Research Council has assembled data concerning funds which are variously available for the support or encouragement of scientific research. It is planned to maintain an up-to-date file on this subject in the offices of the Research Council for the benefit alike of correspondents and of the Divisions of the Council. This bulletin is issued in order to render information concerning funds immediately and widely available to those interested in scientific research.

The funds listed are classified primarily according to use and secondarily according to institution. Under use, the categories employed in this bulletin are medals, prizes, grants, institutional funds, fellowships and scholarships. Federal and State funds for research are not included. The term institution is used throughout this bulletin to designate those nine types of organization which are grouped in three categories, as follows: A. Academies, associations, societies, and museums; B. Foundations, hospitals, and research institutes; C. Universities and colleges. In each of the informational sections of the bulletin the data are arranged

under institutions. A list of funds with essential information is presented under each institution. Section II presents data concerning medals and prizes available for the encouragement of research; Section III contains information concerning grants which are made, upon application, to individuals or institutions who desire to conduct a scientific investigation. Section IV similarly presents information concerning funds which are available for the support of research only within the institution or organization by which they are administered. Section V is devoted to those fellowships and scholarships in connection with which research is specifically mentioned. In Section VI, a subject index, are listed all of the funds which are known to be available for the support or encouragement of research in the biological, mathematical, and physical sciences and their applications. Section VII indexes all institutions mentioned in the bulletin and those funds which have distinctive titles. The latter are indicated by the last name, followed by the first name in parenthesis, as, for example, the Sloane (Thomas C.) Fund.

So far as possible, information has been obtained by direct appeal to the institutions which hold and administer research funds. Where this was impossible, the latest available reports, yearbooks, or catalogues have been consulted and institutions have been requested to verify and supplement the data of the Research Information Service. In most instances the information published herein is for the year 1920.

In Sections II and VI only those medals, prizes, fellowships and scholarships are included in connection with which specific mention of research is made. Ordinarily, this occurs in the name of the prize, medal, fellowship or scholarship, or in the announcement of terms of award. It is highly probable there are many additional graduate fellowships and scholarships which are regularly used for the support of scientific research, although no mention is made of that fact in the catalogue or yearbook.

Despite all efforts to render this list of funds complete and correct, it is certain that many errors and omissions exist. The Research Information Service will greatly appreciate the cooperation of the authorities of those organizations which hold or administer research funds and of all other readers of this bulletin in reporting any errors or omissions which they discover.

II. MEDALS AND PRIZES FOR RESEARCH

A. Academies, Associations, Societies and Museums; B. Foundations, Hospitals and Research Institutes; C. Universities and Colleges

A—ACADEMIES, ASSOCIATIONS, SOCIETIES AND MUSEUMS

Academy of Natural Sciences, Logan Square, Philadelphia, Pa.
HAYDEN MEMORIAL GEOLOGICAL MEDAL, for distinguished work in geology or paleontology. Triennial.

American Academy of Arts and Sciences, 28 Newbury St., Boston, Mass.
RUMFORD PREMIUM, for research on light and heat carried on in America. Established, 1796. Original fund, \$5,000. Present fund, \$67,072.05. Annually available, two medals and a fund not exceeding \$300.

American Academy of Medicine, Jenkins Arcade, Pittsburgh, Pa.
MCINTIRE PRIZE, for best essay on "The effect of child labor on the growth of the child" (1921 topic). Established, 1918. Triennially available, \$250. (In 1922 this will probably be transferred to Lafayette College, Easton, Pa.)

American Association of Variable Star Observers, W. T. Olcott, Secretary, Norwich, Conn.

DAVID B. PICKERING NOVA MEDAL, for the first discoverer of a Nova. Established, 1918.

American Chemical Society, Chicago Section, R. J. Quinn, Secretary, 3314 West 67th St., Chicago, Ill.

WILLARD GIBBS MEDAL, for eminent work in and original contributions to pure or applied chemistry. Established, 1911. Present fund, \$7,500.

American Chemical Society, New York Section, 17 Battery Place, New York City.

WILLIAM H. NICHOLS MEDAL, for meritorious research in organic chemistry. Established, 1902. Present fund, \$1,700. Annually available, \$98.00.

American Electrochemical Society, S. S. Sadtler, Secretary, 39 South 10th St., Philadelphia, Pa.

FRENZEL PRIZE, for best essay on the rare minerals in America and their production. Annually available, \$250.

American Gastro-Enterological Association, Augustana Hospital, Chicago, Ill.

FUND OF \$1,000, for annual honoraria for meritorious research work in gastro-enterology. Established, 1920. Original fund, \$1,000. Present fund, \$1,000. Annually available, \$1,000.

American Genetic Association, 511 Eleventh St. N. W., Washington, D. C.

FRANK N. MEYER MEMORIAL MEDAL, for distinctive service in plant introduction. Established, 1918. Original fund, \$1,000.

American Geographical Society, Broadway at 156th St., New York City.

CHARLES P. DALY MEDAL, awarded to explorers, writers and men of science who have contributed to the advance of geographical knowledge. Established, 1902. Original fund, \$5,000. Awarded from time to time.

CULLUM GEOGRAPHICAL MEDAL, for distinguished service in geographical discovery or in advancement of geographical science. Established, 1896. Original fund, \$5,000. Awarded from time to time.

DAVID LIVINGSTONE CENTENARY MEDAL, for scientific achievement in the field of geography of the Southern hemisphere. Established, 1913.

S. F. B. MORSE MEDAL, for encouraging geographical research. Established, 1903. Original fund, \$1,000.

American Institute of Electrical Engineers, 33 West 39th St., New York City.

EDISON MEDAL, for meritorious achievement in electrical science, electrical engineering, or the electrical arts. Established, 1904. Original fund, \$5,000. Annually available, \$250.

American Institute of Homeopathy, 22 East Washington St., Chicago, Ill.

PHI ALPHA GAMMA GOLD MEDAL, for thesis based on original research, medical or surgical discovery.

American Institute of Mining and Metallurgical Engineers, 29 West 39th St., New York City.

PRESIDENT'S PRIZES, for best essays on some subjects relating to mining, economic geology, or metallurgy, by Junior Associate, or a member of an affiliated society. Special weight given to originality of investigation. Annually available, \$30 and \$20.

American Laryngological Association, 1021 Prospect Ave., Cleveland, Ohio.

DR ROALDES PRIZE (gold medal), to advance the science of laryngology and rhinology, in the United States and Canada, the medal is given to writer of original thesis. Established, 1908. Original fund, \$500. Present fund, \$700. Triennial.

American Laryngological, Rhinological, and Otological Society, Dr. W. H. Haskins, Secretary, 40 East 41st St., New York City.

ORIGINAL RESEARCH FUND, for the encouragement of research in laryngology, rhinology and otology. For essay written by members only. Original fund, \$500. Annually available, \$500 or part of it.

American Ophthalmological Society, 1819 Chestnut St. Philadelphia, Pa.

MEDAL FOR RESEARCH, in ophthalmology. Not confined to members. Established, 1919. Original fund, \$1,500. Present fund, \$1,500.

American Ornithologists' Union, T. S. Palmer, Secretary, 1939 Biltmore St. N. W., Washington, D. C.

BREWSTER MEMORIAL FUND, to encourage research in ornithology by an honorarium and medal to the author of the most important contribu-

tion to the subject during the two preceding years. Established, 1919. Original fund, \$5,200. First award in 1921.

American Pharmaceutical Association, 115 West 68th St., New York City.

EBERT PRIZE FUND, for essay containing an original investigation of medicinal substance, or for improved methods of determining merit. Established, 1873. Original fund, \$500. Present fund, \$1,181.94. Annually available, \$25.

American Philosophical Society, 104 South 5th St., Philadelphia, Pa.

MAGELLANIC GOLD MEDAL, for best discovery or invention annually in navigation, astronomy, or natural history. Established, 1786. Original fund, 200 guineas. Present fund, \$3,500. Annually available, \$139.25 (1918).

American Psychological Association, Edwin J. Boring, Secretary, Clark University, Worcester, Mass.

THOMAS A. EDISON PRIZE, for the most meritorious research on the effects of music in order to direct attention toward the importance of research in the psychology of music. Established, 1920. Original fund, \$500. Present fund, \$500. This prize is offered only for the year ending June 1, 1921 (for information regarding this prize address W. V. Bingham, Carnegie Inst., of Technology, Pittsburgh, Pa.).

American Roentgen Ray Society, Dr. H. E. Potter, Secretary, 122 South Michigan Ave., Chicago, Ill.

PRIZE OF \$1,000, for the most meritorious research in the field of radioactive substances. Established, 1920. Offered for 1920-21 only.

American Society of Civil Engineers, 220 West 57th St., New York City.

COLLINGWOOD PRIZE, for a paper describing an engineering work with which the writer has been directly connected, or a record of investigations contributing to engineering knowledge, some essential part of which was made by the writer. Restricted to Juniors of the Society. Established, 1894. Annually available, \$50.

JAMES R. CROES MEDAL, for a paper next in merit to that paper to which the Norman medal (q.v.) is awarded, and with same object. Established, 1912. Annually available, \$40.

NORMAN MEDAL, for a paper which shall be judged worthy of special commendation for its merit as a contribution to engineering science. Restricted to members.

Association of Military Surgeons of the United States, Army Medical Museum, Washington, D. C.

HENRY S. WELLCOME PRIZES (2 medals), for essays on prescribed sub-

jects. Restricted to Medical Officers and former Medical Officers of the Army, Navy, Public Health Service, Organized Militia, United States Volunteers, and of the Reserves of the United States Army.

Astronomical Society of the Pacific, San Francisco, California.

BRUCE MEDAL, for distinguished service in astronomy. Established, 1897. Present fund, \$3,300. Annually available, \$159.82.

DONAHOE COMET MEDAL, for the discovery of an unexpected comet. Established, 1890. Present fund, \$1,000. Annually available, \$38.30.

Boston Society of Natural History, 234 Berkeley St., Boston, Mass.

WALKER GRAND PRIZE, for discovery and investigation. Quinquennially available, \$1,000.

WALKER PRIZES (2), for best memoirs on subjects in natural history, to serve as an encouragement to the younger naturalists. Annually available, \$100 and \$50.

Boylston Medical Committee, Dr. W. F. Whitney, Chairman, Harvard Medical School, Boston, Mass.

BOYLSTON MEDICAL PRIZE AND GOLD MEDAL, for best essay which has original merit, on results of research in medicine, submitted on or before January 1, 1923. Open to all. Established, 1800. Triennially available, \$500.

Cleveland Medical Library Association, 2318 Prospect Ave., Chicago, Ill.

HAMILTON F. BIGGAR PRIZES (3), for best essay on clinical subject. Biennially available, \$600.

Franklin Institute, 15 South 7th St., Philadelphia, Pa.

BOYDEM PREMIUM, for research in the velocity of light waves. Original fund, \$1,000.

CRESSON MEDAL, for discoveries. Established, 1848. Original fund \$1,000.

JOHN SCOTT MEDAL FUND,* medal and premiums awarded from time to time for useful inventions that will advance chemical, medical, or any other science, or promote the development of industry in any form. Established, 1816. Original fund, about \$4,000. Present fund, about \$100,000. Annually available, \$4,000 or more.

FRANKLIN MEDAL, for research in physical science or technology, awarded without regard to country, to the individual whose efforts in the opinion of the Institute have done most to advance the knowledge of physical science or its applications. Established, 1914.

LONGSTRETH MEDAL, for invention. Established, 1890. Original fund, \$1,000.

* This fund is administered by the Philadelphia Board of City Trusts. Formerly awards were made on recommendation of the Franklin Institute.