

The afternoons have been left open for individual contacts, inspection trips and special group meetings. The annual dinner is to be held on Wednesday evening and is to be followed by a dance. Other entertainment features planned include an illustrated lecture on Sunday evening, a picnic on Monday evening, an exhibit of plows on Tuesday afternoon and illustrated talks on Tuesday evening. Special entertainment is being planned for women and children during other hours.

Group discussions in the College Division session will be held on education, extension and research. Curricula, subject-matter, service courses, summer camps or courses, administration, graduate work, relations with the Society for the Promotion of Engineering Education and agricultural engineering work will be discussed in the opening program devoted to education. Agricultural engineering extension is to be covered from the angles of relation to other extension work, extension methods, educating employees of agricultural engineers, the vocational program, the 4-H Club program, publications and the U. S. Department of Agriculture Bureau of Agricultural Engineering. Research consideration will be concentrated on project presentation, graduate research and experiment stations. The committee on extension and the student group have scheduled special sessions to run concurrently during a part of the main meeting.

At the opening meeting on Tuesday there will be an address of welcome, the president's annual address and one outside speaker. Another outside speaker and the recipient of the McCormick Medal award will address the general session on Wednesday morning.

The Farm Structures Division will discuss farm housing, the agricultural engineer's responsibility in the promotion of better farm buildings, and papers on individual structural problems and developments. The Power and Machinery Division will give special attention to "The Farm Tractor Fuel Problem," "Quick Attachable and Detachable Power Farming Equipment" and "Natural and Artificial Curing of Forage Crops." The Rural Electric Division will offer sessions on extending electric service in rural areas, assisting the farm customer and electric service for the farm family. In the Soil and Water Conservation Division a wide variety of papers on irrigation, drainage, erosion control and land use problems will be presented.

#### THE AMERICAN DOCUMENTATION INSTITUTE

THE American Documentation Institute has been incorporated on behalf of leading national scholarly, scientific and informational societies to develop and operate facilities that are expected to promote research and knowledge in various intellectual fields.

A first objective of the new organization will be to develop and apply the new technique of micropho-

tography to library, scholarly, scientific and other material. It will be able to conduct publication by various methods as required by cooperating organizations.

Organized as a Delaware corporation "not for profit" but for educational, literary and scientific purposes, the new organization resulted from a meeting attended by delegates from national councils, societies and other organizations in Washington on March 13. The board of trustees elected consists of: Dr. Robert C. Binkley, Western Reserve University; Dr. Solon J. Buck, director of publications, National Archives; Watson Davis, director, Science Service; Dr. James Thayer Gerould, librarian, Princeton University Library; Dr. Ludvig Hektoen, chairman, National Research Council.

Such a national organization was foreseen as an outcome of Science Service's documentation activities when they were begun in July, 1935, with grants from the Chemical Foundation and conducted with the cooperation of the U. S. Naval Medical School, the Library of the U. S. Department of Agriculture, the Bureau of the Census, the Works Progress Administration, the Library of Congress and other agencies.

The Bibliofilm Service has been conducted by Science Service in cooperation with the Library of the U. S. Department of Agriculture as a service to research workers, and auxiliary publication through microfilm has been conducted by cooperation with leading scholarly and scientific journals. The documentation activities of Science Service now will be transferred to the new American Documentation Institute.

#### GRANTS IN AID OF RESEARCH OF THE AMERICAN ACADEMY OF ARTS AND SCIENCES

At the April meeting of the American Academy of Arts and Sciences announcement was made of grants in aid of research from the Permanent Science Fund, as follows:

Professor Thomas Harper Goodspeed, University of California, Berkeley, \$500 for technical assistance in the cytological, genetic and morphological examination of certain species of *Nicotiana* as an aid toward the completion of a monograph on that subject.

Professor Rachel Hoffstadt, University of Washington, Seattle, \$250 for the purchase of animals and materials needed in a study of the viruses connected with Myxomatosis of rabbits and *Herpes simplex*.

Professor Norton A. Kent, Boston University, \$250 to complete the installation of a 30-foot Littrow spectrograph.

Professor Gustav J. Martin, College of St. Teresa, Winona, Minn., \$400 for technical assistance and materials needed in an investigation of the chemistry of sili-

cosis to be carried out in collaboration with Dr. L. U. Gardner, of the Saranac Lake Laboratory.

Professors George H. Parker and F. L. Hisaw, Harvard University, \$300 for the construction of two open sea live-cars (for keeping dogfish) to be used in their studies of color changes and of reproduction in elasmobranch fishes.

Dr. Roberts Rugh, Hunter College, New York City, \$125 for the purchase of materials to be used in a study of the relations and antagonisms of the pituitary and gonad hormones in Amphibia and Mammals.

Curtis W. Sabrosky, Michigan State College, East Lansing, \$300 in partial support of a visit to certain European museums as a basis of study preparatory to the writing, not for academic credit, of a monograph on the dipterous family Chloropidae.

Dr. A. W. Sellards, Harvard Medical School, a sum not to exceed \$325 for the purpose of having two colored plates (blocks) made to illustrate a paper on the histopathology of murine leprosy.

Dr. T. E. Sterne, Harvard College Observatory, \$300 to aid in building highly sensitive thermocouples for measuring thermal radiation of stars.

Inquiries and applications for grants should be addressed to the chairman of the Permanent Science Fund Committee, Professor John W. M. Bunker, Massachusetts Institute of Technology, Cambridge, Mass.

#### OFFICERS AND MEMBERS ELECTED BY THE NATIONAL ACADEMY OF SCIENCES

At the annual meeting of the National Academy of Sciences, held in Washington on April 26, 27 and 28, under the presidency of Dr. Frank R. Lillie, of the University of Chicago, Dr. Arthur L. Day, of the Geophysical Laboratory of the Carnegie Institution of Washington, was reelected vice-president for a further term of four years, Dr. H. S. Jennings, Henry Walters professor of zoology at the Johns Hopkins University, was reelected a member of the council, and Dr. Oswald Veblen, professor in the school of mathematics of the Institute for Advanced Study at Princeton, was elected to succeed Dr. Roger

Adams, head of the department of chemistry at the University of Illinois.

Dr. August Krogh, professor of zoophysiology in the University of Copenhagen, was elected a foreign associate.

Members of the academy were elected as follows:

##### *Section of Mathematics:*

John von Neumann, Institute for Advanced Study, Princeton.

##### *Section of Astronomy:*

Seth Barnes Nicholson, Mount Wilson Observatory, Pasadena; Otto Struve, Yerkes Observatory, Williams Bay, Wis.

##### *Section of Physics:*

Arthur Jeffery Dempster, University of Chicago.

##### *Section of Engineering:*

Oliver Ellsworth Buckley, Bell Telephone Laboratories, New York City.

##### *Section of Chemistry:*

Duncan Arthur MacInnes, Rockefeller Institute for Medical Research.

##### *Section of Geology and Paleontology:*

Donnel Foster Hewett, U. S. Geological Survey.

##### *Section of Botany:*

Charles Thom, U. S. Department of Agriculture.

##### *Section of Zoology and Anatomy:*

Francis Bertody Sumner, Scripps Institution of Oceanography, La Jolla; Carl Gottfried Hartman, department of embryology, Carnegie Institution of Washington, Baltimore; Calvin Blackman Bridges, California Institute of Technology.

##### *Section of Pathology and Bacteriology:*

Leo Loeb, Washington University, St. Louis; Ernest William Goodpasture, Vanderbilt University; George Richards Minot, Boston City Hospital.

##### *Section of Anthropology and Psychology:*

Edward Chace Tolman, University of California, Berkeley.

## SCIENTIFIC NOTES AND NEWS

THE Royal Society of Canada has awarded the Flavelle Medal to Dr. Frank Dawson Adams, dean emeritus of the faculty of applied science at McGill University. The award is made in recognition of his researches in geology, particularly those concerned with the ancient metamorphic rocks of Canada and the flow of rocks under pressure.

DR. ARMIN O. LEUSCHNER, director of the Students' Observatory and chairman of the department of astronomy at the University of California, received the

honorary membership of the Rittenhouse Astronomical Society of Philadelphia at a special meeting held at the Franklin Institute on April 22. This was "in recognition of his outstanding contributions to the study of asteroids, comets and satellites." Following the ceremony Dr. Leuschner addressed the society on "The Long Range Prediction of the Motion of the Minor Planets."

At the recent convention in Philadelphia of the Electrochemical Society, the Acheson Medal and Prize