

logical chemistry in the Harvard Medical School, for studies of the physical chemistry of amino acids, peptides, proteins and related compounds.

DR. DAVID DENNISON, professor of physics, University of Michigan, for researches into molecular structure.

DR. ARISTID V. GROSSE, chemist of Bronxville, N. Y., for investigations of catalytic reactions of organic compounds and investigations of the products of neutron bombardment of uranium, protactinium and thorium, at Columbia University.

DR. ARTHUR C. COPE, associate professor of chemistry, Bryn Mawr College, for studies of the phenomenon of tautomerism.

THE FINNEY-HOWELL RESEARCH FOUNDATION, INC.

THE Finney-Howell Research Foundation, Inc., of Baltimore, Md., announces that, at the annual meeting held in March, 1940, fellowships for research into the cause or causes and the treatment of cancer were renewed for the following:

Paul Clarence Aebersold, working at the Radiation Laboratory of the University of California at Berkeley.

Geoffrey Malcolm Badger, working at the Royal Cancer Hospital (Free) at London, England.

Lloyd William Law, working at the Roseco B. Jackson Memorial Laboratory at Bar Harbor, Maine.

Joseph Lewis Melnick, working at Yale University School of Medicine at New Haven, Conn.

John Frederick Menke, working at Stanford University Hospital, at San Francisco, California.

John Lewis Wood, working in the Division of Chemistry, Harvard University, at Cambridge, Mass.

Paul C. Zamecnik, working at the University of Carlsberg, at Copenhagen, Denmark.

New fellowships were awarded as follows:

Julius Charles Abels, working at the Memorial Hospital for Cancer at New York City.

Mark A. Graubard, working at Clark University, Worcester, Mass.

John Wade Howard, working at Thorndike Memorial Laboratory, Boston City Hospital.

Bernerd E. Kline, working at the Department of Physiology, University of Wisconsin.

Margaret Nast Lewis, working at Crocker Radiation Laboratory, the University of California at Berkeley.

Alfred Marshak, working at the Radiation Laboratory, the University of California at Berkeley.

Dr. George O. Gey was also awarded a grant of \$2,000 to carry on his work in cancer at the Johns Hopkins Medical School.

January 1, 1941, has been fixed upon as the closing date for filing application for 1941 awards.

THE INDUSTRIAL RESEARCH INSTITUTE

THE Industrial Research Institute, New York City, will hold its second annual meeting at the laboratories of the Procter and Gamble Company and at the Queen City Club, Cincinnati, on April 26 and 27. Maurice

Holland is executive officer of the institute. Newly elected officers for the current year will be installed at the meeting. Present relations between industries and universities on research and how such relations may be made more effective will be the main topic of discussion. Dean Edward L. Moreland, professor of electrical engineering and head of the department of the Massachusetts Institute of Technology, and Dean Charles Ellison McQuigg, of the College of Engineering of the Ohio State University, will lead the discussions from the university point of view. Two industrial executives whose names will be announced later will discuss the subject from the standpoint of industry. Other subjects on the agenda are "Selection of College Graduates" and "Project Selection and Evaluation," to be led, respectively, by Dr. R. S. Uhrbrock, of the Industrial Relations Division of the Procter and Gamble Company, and by W. N. Tuttle, research director of the General Radio Company, Cambridge, Mass. There will be a tour through the Procter and Gamble Research Laboratories and plant at Ivorydale. Delegates will also visit the plant and laboratories of the Champion Paper and Fiber Corporation at Hamilton, Ohio, following the adjournment of the meeting.

The Industrial Research Institute, which is affiliated with the National Research Council, was organized to promote, through the cooperation of its members, constant improvement of methods and more efficient and better management in industrial research. The institute comprises representatives of industrial concerns who are leaders in their respective fields of research.

THE BICENTENNIAL WEEK CELEBRATION OF THE UNIVERSITY OF PENNSYLVANIA

THE program of the Bicentennial Celebration Week of the University of Pennsylvania will open on Sunday, September 15, and will continue through Saturday, September 21. It will include the following events:

General sessions, symposia and conferences, to which many of the world's most eminent scholars will contribute.

Cultural and scientific exhibits illustrative of the progress of civilization through the ages.

Laboratory and clinical demonstrations of new techniques employed in engineering, chemistry, medicine, physics and other fields.

Convocation for the conferring of honorary degrees.

Addresses by prominent alumni and undergraduates of Pennsylvania. Presentation of Bicentennial Fund.

Parade of graduates. Class reunions. Tours of the campus. Special events for undergraduates.

Concerts by University Band and the Glee Club. Receptions, dinners and luncheons. Water carnival and fireworks display.

After religious services on Sunday, there will be a series of scholarly addresses appropriate to a program which is designed not only to constitute a tribute to

the University of Pennsylvania, but to focus attention upon the contributions which higher education everywhere has made, and can continue to make, to the betterment of mankind. These addresses will be delivered at general sessions, which will precede symposia and group conferences in the humanities, natural sciences, social sciences, medical sciences and religion. Each speaker has been selected because of the outstanding position he occupies in his particular field.

Those coming from England to address the general sessions include Sir Thomas Lewis and Sir Henry Dale in medicine; Sir William H. Beveridge, economist, master of University College, Oxford; Dr. Alan J. B. Wace, professor of classical archeology at the University of Cambridge; from France, Professor Etienne Gilson, historian; Dr. Charles Cestre, professor of American literature and civilization, University of Paris, and Dr. Jacques Maritain, professor of philosophy at the Catholic Institute, Paris; from Den-

mark, Dr. Thorvald Madsen, of the State Serum Institute at Copenhagen; from Germany Dr. Werner C. Heisenberg, professor of physics at the University of Leipzig; from Switzerland, Dr. William E. Rappard, political science.

Addresses at the general sessions will be given by Hu Shih, Chinese ambassador to the United States; Dr. Frank B. Jewett, president of the Bell Telephone Laboratories; Dr. Evarts A. Graham, surgeon and member of the faculty at Washington University, St. Louis; Dr. Hans Zinsser, professor of bacteriology and immunology at the Harvard Medical School; Dr. Lawrence J. Henderson, biological chemist, Harvard University, and Dr. Herbert Spencer Jennings, emeritus professor of zoology at the Johns Hopkins University.

At the forty symposia and conferences which will follow the general sessions the program will provide, as a rule, for a keynote address, as well as one or two shorter addresses and an open discussion.

SCIENTIFIC NOTES AND NEWS

DR. ERNEST O. LAWRENCE, professor of physics and director of the Radiation Laboratory of the University of California at Berkeley, will give an illustrated lecture entitled "Bombarding Atoms" on the evening of Monday, April 22, before the annual meeting in Washington of the National Academy of Sciences.

PROFESSOR C. E. MCCLUNG, director of the Laboratory of Zoology of the University of Pennsylvania, reached the age of seventy years on April 5. A surprise party was held for him at the home of his daughter, Ruth McClung Jones. A correspondent writes: "After a dinner attended by Dr. and Mrs. McClung and a few intimate friends, members of the staff of the department of zoology and their wives arrived in time to share in the ice cream, coffee and birthday cake. The guests brought a varied assortment of 'presents.' These included grasshoppers made out of various materials (one realistic one was constructed of parsnips), models of chromosomes, picture books, toy microscopes and other toys such as globes, ships and a mechanical snake. Each 'present' was accompanied by a rhyme or jingle, all of which provided much hilarity for this jolly occasion. In addition Dr. McClung received many telegrams and letters of felicitation."

THE prize (\$1,000) in pure chemistry of the American Chemical Society, provided this year by Alpha Chi Sigma, has been awarded to Dr. Lawrence Olin Brockway, assistant professor of chemistry at the University of Michigan, for his work on the determination of molecular structure by electron diffraction methods. The Francis P. Garvan Gold Medal to honor an Amer-

ican woman for distinguished service in chemistry has been awarded to Dr. Mary E. Pennington, of New York City, an authority on the refrigeration of perishable foods. Presentation of the awards will be made at the meeting of the society to be held in Detroit from September 9 to 13.

OLE SINGSTAD, chief engineer of the New York City Tunnel Authority and a member of the R  yal Norwegian Academy of Sciences, received the rank of Knight First Class of the Order of St. Olav at the command of King Haakon VII of Norway at ceremonies held on April 8 in the offices of the Tunnel Authority. The presentation was made by Wilhelm Munthe Morgenstierne, Norwegian Minister to the United States, and Rolph A. Christensen, Norwegian Consul General of New York City. The decoration was given in recognition of "distinguished accomplishments in the engineering field and contributions to Norwegian interests in New York." Mr. Singstad was engineer of design for the Holland Tunnel and devised the transverse system of tunnel ventilation that has been adopted by tunnel authorities throughout the world.

DR. WILLIAM C. ANDERSON, dean emeritus of the Brooklyn College of Pharmacy, was the guest of honor on April 10 at a dinner given in celebration of the seventy-fifth birthday, closing the annual convention of the New York Pharmaceutical Council.

THE Cameron Prize of the University of Edinburgh has been awarded to Professor E. C. Dodds, Courtauld professor of biochemistry in the University of London, for his work on synthetic oestrogens.