

tures was of general interest. If the difficulties of design and operation of a really low temperature engine (10° K level) can be solved, a substantial advance will have been made in promoting the conditions for larger scale and safer operations in a fascinating world of strange and as yet imperfectly understood phenomena.

The enthusiasm and greatly widened interest manifest throughout the course of the symposium warrant the belief that the United States in a very short time will be contributing cryogenic research results commensurate with the resources of the country.

F. G. KEYES

SCIENTIFIC LECTURES OF THE COLLEGE OF PHYSICIANS OF PHILADELPHIA

THE first of the annual scientific lectures of the College of Physicians of Philadelphia was the Mary Scott Newbold lecture XLV, which was given on October 4 by Dr. Alfred Blalock, professor of surgery at Vanderbilt University. He spoke on "Shock."

The lectures for 1939 to 1940 are given at 8:30 P.M. on the first Wednesday of each month from October to May. The program follows:

November—James M. Anders Lecture XIV. Rolla E. Dyer, chief, Division of Infectious Diseases, U. S. Public Health Service. "Animal Diseases Transmissible to Man, with Special Reference to Typhus Fever, Spotted Fever, Undulant Fever and Tularemia."

December—Thomas Dent Mütter Lecture LII. Howard T. Karsner, professor of pathology, director of Institute of Pathology, Western Reserve University. "Certain Ovarian Tumors Associated with Sexual Endocrine Dysfunction."

January—James M. Anders Lecture XV. Charles Armstrong, senior surgeon, U. S. Public Health Service. "Recent Developments in Central Nervous System Virus Infections, with Special Reference to Lymphocytic Meningitis and Poliomyelitis."

February—Mary Scott Newbold Lecture XLVI. Tom D. Spies, associate professor of medicine, University of Cincinnati. "Clinical and Laboratory Studies on the Avitaminoses, with Special Reference to Nicotinic Acid, Thiamin and Riboflavin."

March—Mary Scott Newbold Lecture XLVII. Alvin F. Coburn, assistant professor of medicine, Columbia University. "Factors in the Initiation of Rheumatic Activity."

April—Balduin Lucké, professor of pathology, University of Pennsylvania. "Tumors in Cold-Blooded Animals; Their Significance in the Experimental Investigation of Cancer." Joseph McFarland, emeritus professor of pathology, University of Pennsylvania. "The Pathological Diagnosis of Cancer in Man."

May—Nathan Lewis Hatfield Lecture XXIII. Lecture and subject to be announced.

The following lectures for the general public are announced:

November 17, 1939—O. H. Perry Pepper, professor of medicine, University of Pennsylvania. "Medical Problems of Advancing Age."

January 19, 1940—J. Parsons Schaeffer, professor of anatomy and director of the Daniel Baugh Institute of Anatomy, Jefferson Medical College. "The Human Constitution and Some of Its Problems."

April 12—W. Edward Chamberlain, professor of radiology and roentgenology, Temple University. "The X-Ray as an Aid in Diagnosis."

MEDICAL EDUCATION AT THE UNIVERSITY OF CHICAGO

DECISIONS affecting medical education on the west side of Chicago have been announced by President Robert M. Hutchins, of the University of Chicago, and John McKinlay, president of the Board of Managers of the Presbyterian Hospital. The university has decided to terminate undergraduate medical education at the Rush Medical College. The Board of Managers of the Presbyterian Hospital has voted that the hospital remain as at present on the west side of Chicago.

As a result of these decisions, the university will establish a program of graduate medical education at the Rush Medical College and committees will be appointed to formulate plans for a Graduate School, which it is hoped will be opened in the near future. It will emphasize research in medical science and provide training for graduates of medical schools in the various fields of specialization.

Undergraduate work will continue, however, at the Rush Medical College till July, 1942, to provide completion of training for the class entering next autumn. Undergraduate training also will continue at the south side medical school and after 1942 will be offered there exclusively.

The decision to establish the Rush Medical College as a center of graduate medical training terminates discussions as to its ultimate status which have been carried on intermittently since 1916. In that year the university approved plans for the south side school, which was opened in the autumn of 1927.

Rush Medical College, chartered in 1837 and in operation since 1842, was the pioneer medical school of the Middle West. It was merged with the university in 1924 after twenty-six years of affiliation.

GRANTS IN AID OF RESEARCH OF THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

At its annual meeting each year the council of the American Association votes a number of grants in aid of research. In order that applications for such grants may be examined and passed on by the committee on grants in time for the annual meeting, they must be filed in the office of the permanent secretary

before November 1 on forms that will be supplied upon request. These forms contain full instructions respecting the information that must support the applications.

The funds from which the grants are made are derived from the income of endowments of the association by various gifts, from investments of reserve funds and from the income from the life membership fees of deceased life members. Although the income available for the support of research is as yet very limited, it fortunately has been increased in recent years by gifts from a friend of the association.

As a rule grants are not made to pay salaries of investigators or traveling expenses or for printing reports of the results of investigation. They are generally made for assistance in completing research projects that are well under way and for which valuable conclusions within limited periods may reasonably be expected. Often they complete the requirements for funds which have been partly met by the institutions with which the applicants are associated or from other sources.

F. R. MOULTON,
Permanent Secretary

SCIENTIFIC NOTES AND NEWS

At the meeting of the National Academy of Sciences to be held at Brown University, Providence, R. I., on October 23, 24 and 25, there will be three general addresses. At 4:30 on the afternoon of October 23, Dr. Frank B. Jewett, president of the academy, will give an address over the coast to coast network of the Columbia Broadcasting System on "How Science Could be Mobilized in the United States." In the evening, Dr. Harvey Fletcher, of the Bell Telephone Laboratories, will give a public lecture on "Auditory Patterns—a Demonstration Lecture." At the dinner on the evening of October 24, Dr. Albert D. Mead, of Brown University, will speak on "Episodes and Personalities in the Development of Biology at Brown."

THE eightieth birthday of John Dewey, which occurs on October 20, will be celebrated on October 20 and 21 by a conference at the Hotel Pennsylvania, New York City, under the auspices of the Progressive Education Association. There will be fourteen sessions, in which many leaders in philosophy and education will participate.

DR. GANO DUNN, president of the J. G. White Engineering Corporation and of Cooper Union, has been chosen as the 1939 recipient of the Hoover Medal, "awarded by engineers to a fellow engineer for distinguished public service." John V. W. Reynders, of New York, is chairman of a board of award representing the four national societies of civil, mining and metallurgical, mechanical and electrical engineers. "The medal signals great unselfish, non-technical service by engineers to their fellowmen." It will be formally presented to Dr. Dunn under the auspices of the American Institute of Electrical Engineers during the annual convention in New York City on January 22 to 26, 1940.

THE Roosevelt Memorial Association has awarded one of its Roosevelt Medals to Dr. George Washington Carver, of the Tuskegee Institute, distinguished for his work in agricultural chemistry.

DR. C. B. HUTCHISON, dean of the College of Agriculture of the University of California at Berkeley, has been awarded the degree of doctor of agriculture, *honoris causa*, by the University of Sofia, Bulgaria. The degree was awarded on the occasion of the fiftieth anniversary of the founding of the university. Dean Hutchison received the honor in recognition of the aid he gave to the university from 1924-27 while acting as a member of the European Mission of the International Education Board of the Rockefeller Foundation.

DR. PETER DEBYE, professor of physics at Berlin, has been elected honorary member of the Indian Academy of Sciences at Bangalore, of the Chemical Society of the Netherlands and of the Physical Society, London.

A DINNER was given on October 12 by colleagues and former students in honor of Dr. Evarts A. Graham, since 1919 professor of surgery at the School of Medicine of Washington University, St. Louis.

DR. WARREN H. MCBRYDE, of San Francisco, Calif., has been elected president of the American Society of Mechanical Engineers. He will take office at the sixtieth annual meeting to be held in Philadelphia from December 4 to 8. This is the first meeting to be held other than in New York City since the year 1890.

DR. HARDY A. KEMP, professor of bacteriology and preventive medicine at the College of Medicine of Baylor University, Dallas, Texas, has become dean of the College of Medicine at the University of Vermont. Dr. Kemp is also head of the reorganized department of bacteriology, hygiene and preventive medicine.

DR. ROBERT S. SHANKLAND has been appointed acting head of the department of physics at the Case School of Applied Science. He succeeds Dr. Dayton C. Miller, who retired in June, 1938.

DR. CARL WALDEMAR HAGQUIST, who served as acting professor of biology at the University of Rich-