

nounced a tentative agreement for an exchange of professors with Leningrad University. It was then hoped that the arrangement would be in operation by September. However, the university has yet to receive specific exchange proposals from Leningrad.

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The first international institute for experimental research in gerontology has been established, at the University of Basle. F. Verzar of the university will direct research work, which will be concentrated on the aging of the tissues of small animals.

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A regional training course on the use of radioisotopes in agricultural research will be held at the Indian Agricultural Research Institute, New Delhi, from 20 January to 17 February 1960. The course has been organized jointly by the Government of India, the Food and Agriculture Organization, the International Atomic Energy Agency, and the United Nations Educational, Scientific, and Cultural Organization. Inquiries should be addressed to the UNESCO South Asia Science Co-operation Office, 21, Curzon Road, New Delhi, India.

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The Camille and Henry Dreyfus Foundation has made a grant of \$25 million for the establishment of an international center for polymer chemistry at North Carolina's new Research Triangle Institute. The research center will be known as the Camille Dreyfus Laboratory, in memory of Camille Dreyfus, who was the founder and first president of Celanese Corporation of America. It will be located on Research Triangle Institute's 200-acre campus in the 4500-acre Research Triangle Park. The park, now being developed as a center for research laboratories, is within 15 miles of the University of North Carolina, Duke University, and North Carolina State College, respectively.

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The National Science Foundation has released *Current Projects on the Economic and Other Impacts of Scientific Research and Development, 1959*, which describes the nature, objectives, scope, and principal research methods of a group of studies being conducted by United States colleges and universities. A summary of each of the 107 projects is presented, together with the names and academic affiliations of the investigators and the anticipated form of publication of the research results. Simultaneously, the foundation released *Bibliography on the Economic and*

Social Implications of Scientific Research and Development, a selected, annotated compilation of references to studies of scientific research and development. Copies of both publications are available from the Superintendent of Documents, Government Printing Office, Washington, D.C., at a cost of 25 cents each.

Scientists in the News

Sir Edward Bullard, Adolph Knopf, and Jack L. Hough were awarded the Geological Society of America's highest honors at the society's annual dinner on 3 November in Pittsburgh, Pa. They received, respectively, the Arthur S. Day Medal, the Penrose Medal, and the Kirk Bryan Award.

Nelson Marshall, formerly dean of liberal arts at Alfred University, has been appointed administrative associate and professor of biological oceanography at the Narragansett Marine Laboratory of the University of Rhode Island. He will also serve as dean of summer session at the university. **Harry P. Jeffries**, formerly of Rutgers University, has been appointed associate oceanographer and assistant professor of biological oceanography at the laboratory.

Paul Woldstedt of the Geological Institute of the University of Bonn is currently research associate in the geology department at the University of Minnesota. He is visiting a number of universities and research centers to present lectures on the European Pleistocene and to participate in field excursions.

John J. Willaman of the U.S. Department of Agriculture retired last month. Since 1940 he has been in charge of research on fruits, vegetables, tobacco, maple, honey, and wild plants at the Agricultural Research Service's Eastern Utilization Research and Development Division in Wyndmoor, Pa.

Alfred N. Richards, emeritus professor of pharmacology and former vice president for medical affairs at the University of Pennsylvania, received the Abraham Flexner Award of the Association of American Medical Colleges for "long and distinguished service to medical education" at the association's annual banquet in Chicago, Ill., on 2 November.

Thomas C. Fleming has been appointed medical director of the Warner-Chilcott Laboratories Division of Warner-Lambert Pharmaceutical Company, Morris Plains, N.J. He had been affiliated with Mead, Johnson Company as director of product development.

William H. Guier of the Johns Hopkins University Applied Physics Laboratory was named last month the "outstanding young scientist of Maryland for 1959" by the Maryland Academy of Sciences. He received the award for his use of Doppler-shift calculations to establish a new means of tracking earth satellites. The awards, established this year, will be presented annually to a resident of Maryland under 35 years of age.

Egon Orowan, George Westinghouse professor of mechanical engineering at Massachusetts Institute of Technology, received the Bingham Medal of the Society of Rheology at the 30th anniversary banquet of the society, held 5 November at Lehigh University. He was cited for his contributions to the understanding of the behavior of solids.

Joseph C. Clarke has been appointed manager of the Atomic Energy Commission's New York Operations Office. Clarke, who had served as deputy manager of the New York Office since 1 July 1954, replaces **Merril Eisenbud**, who resigned to accept an appointment as professor of industrial medicine at New York University.

Edward S. Amis, professor of physical chemistry at the University of Arkansas, has won the 1959 Southern Chemist Award of the American Chemical Society's Memphis Section. The gold medal "for distinguished service to the profession of chemistry in the Southern states" was presented at a banquet in Richmond, Va., on 6 November.

Vincent Schultz has joined the Atomic Energy Commission's division of biology and medicine at commission headquarters, Germantown, Md., as an ecologist in the environmental sciences branch. Previously he was employed at the University of Maryland as a consulting statistician and associate professor of biostatistics.

Margaret J. Carlson, formerly a supervisory bacteriologist for the Army Institute for Research of the Walter Reed Army Medical Center, Washing-

ton, D.C., has been appointed executive secretary of the new microbiology training committee in the division of general medical sciences of the National Institutes of Health.

Kurt Berman, manager of liquid propellant engineering at the General Electric Company's Malta Test Station near Schenectady, has been named adjunct professor of aeronautical engineering at Rensselaer Polytechnic Institute.

Irving J. Wolman, hematologist of the Children's Hospital of Philadelphia, has been named chairman of the department of pediatrics at the Graduate School of Medicine, University of Pennsylvania.

Howerde E. Sauberlich, formerly associate professor of animal husbandry at Iowa State University, has been appointed chief of the chemistry section of the Army Medical Research and Nutrition Laboratory, Fitzsimons Army Hospital, Denver, Colo.

Hollis D. Hedberg, president-elect of the Geological Society of America and former vice-president of the Gulf Oil Company, has been appointed professor in the department of geology, Princeton University.

Clark C. Vogel has resigned as deputy director of the division of international affairs of the Atomic Energy Commission, to accept a position with the Martin Company, Baltimore, Md.

Louis L. Ray, on leave from the U.S. Geological Survey, is serving as visiting professor of geology at Cornell University, Ithaca, N.Y., during the academic year 1959-60.

Charles V. Riley has been appointed head of the department of biology at Kent State University, succeeding **Harry A. Cunningham**, who retired from the post on 1 September.

Felix G. Gustafson, emeritus professor of botany at the University of Michigan, has been named 1959 recipient of the Charles Reid Barnes Award, presented annually by the American Society of Plant Physiologists.

Murray Saffran has been appointed associate professor in the department of biochemistry at McGill University. He continues his research at the Allan Memorial Institute.

Col. Adam J. Rapalski was recently appointed commanding officer of the U.S. Army Environmental Health Laboratory at the Army Chemical Center, Md. He replaces **Col. Edward J. Dehne**, who has been assigned as preventive medicine officer, Headquarters, Second U.S. Army, Ft. Meade, Md.

Samuel A. Levine, clinical professor of medicine, emeritus, Harvard Medical School, has received the Gold Heart Award of the American Heart Association for "outstanding achievements in clinical cardiology."

D. L. Thomson, dean of the Faculty of Graduate Studies and vice-principal of McGill University, has retired as chairman of the department of biochemistry. He will continue as a professor in the department. He is succeeded as chairman by **K. A. C. Elliott**.

Alexander I. Petrunkevitch, zoologist at Yale University, was honored 30 October with the university's Addison Emery Verrill Medal for outstanding contributions in the field of natural history.

Henry M. Gelfand, formerly a member of the Tulane University Medical School faculty, has joined the staff of the U.S. Public Health Service's Communicable Disease Center, Atlanta, Ga., as chief of the enterovirus unit, laboratory branch.

Colin Turnbull has been appointed assistant curator of African ethnology at the American Museum of Natural History.

Carl F. Muckenhoupt, formerly chief scientist of the Boston branch office of the Office of Naval Research, has been appointed dean of research administration at Northeastern University.

Mostafa B. Talaat, formerly with the Carrier Corp., has joined the nuclear division of the Martin Company. He will direct all research and development efforts in the field of energy conversion.

Fred B. Seely, member of the University of Illinois faculty and former head of the theoretical and applied mechanics staff, is being honored by the establishment of an award to be given annually to the outstanding senior in the university's new engineering mechanics curriculum. The award includes \$100 and a certificate.

Joseph S. Fruton, professor of biochemistry at Yale University, has been appointed director of the university's division of sciences.

Recent Deaths

James P. Atkinson, Valatie, N.Y.; 89; former analytical chemist with the New York City Department of Health; 31 Oct.

Walther Bauersfeld, Heidenheim, Germany; 80; senior director of the Karl Zeiss-Werke optical concern; inventor of the planetarium; 28 Oct.

Werner Bergmann, New Haven, Conn.; 55; professor of chemistry at Yale University; scientific consultant for Yale's Bingham Oceanographic Laboratory and a trustee since 1950 of the Bermuda Biological Station; 2 Nov.

Kenneth W. Chapman, Washington, D.C.; 48; associate director of the clinical center, National Institutes of Health, Bethesda, Md.; 18 Sept.

Lewis V. Heilbrunn, Lovington, Va.; 67; professor of zoology at the University of Pennsylvania; 24 Oct.

Gustav Land, New Haven, Conn.; 79; research associate in astronomy at Yale University; his career took him to the Astronomisches Rechen Institut in Berlin-Dahlem, the observatories in Königsberg and Leipzig, H. M. Nautical Almanac Office in London, and Sproul Observatory at Swarthmore College; 26 Sept.

Gerald F. Machacek, New York, N.Y.; 62; associate professor of histopathology at the College of Physicians and Surgeons, Columbia University; 8 Nov.

Albert H. Miller, Providence, R.I.; 87; contributor to the field of anesthesiology; 31 Oct.

George P. Rettig, Hoboken, N.J.; 52; assistant professor of civil engineering at Stevens Institute of Technology; 28 Oct.

Laurence F. Schmeckebier, Washington, D.C.; 82; retired senior staff member of the Brookings Institution; author of a number of books on political affairs; 2 Nov.

Francis H. L. Taylor, Winchester, Mass.; 59; biochemist, researcher on blood composition; 31 Oct.

Erratum: The item on Clarence J. Hylander [*Science* 130, 1244 (1959)] indicated that he left the post of executive director of the American Institute of Biological Sciences to take his current position as visiting professor of biology at Bowdoin College. He last held the AIBS post in 1953; since that time he has been an information officer for the Army Chemical Corps and has written a number of books.