

Edward Teller has resigned as director of the University of California's E. O. Lawrence Radiation Laboratory, Livermore, because he wishes to return to teaching and research. He will continue as an associate director of the Lawrence Laboratory and in addition will become professor at large of physics, a state-wide post now held only by Harold Urey of La Jolla.

Teller is succeeded by **Harold Brown**, at present Livermore's deputy director and a scientific adviser to the Air Force and to the Secretary of Defense.

N. Howell Furman and **Eugene Pacsu** of the department of chemistry at Princeton University retire as emeritus professors this month. Furman, Russell Wellman Moore professor since 1945 and former chairman of the department of chemistry, is a past president of the American Chemical Society and consultant to the Atomic Energy Commission. In 1937 he was named first recipient of the Fisher Award in Analytical Chemistry, the highest honor conferred in that field.

Pacsu, who joined the Princeton faculty in 1930, was named in 1947 one of the ten top-ranking men in the field of starch chemistry. Noted for his research in this field, he has been instrumental in making Princeton one of the few training centers in the country for graduate work in carbohydrate chemistry.

Sir **Roger Makins**, chairman of the United Kingdom Atomic Energy Authority, arrived in Washington on 21 May to confer with members of the Atomic Energy Commission, the Joint Congressional Committee on Atomic Energy, and other government officials, and to visit a number of atomic-energy facilities. Sir Roger is accompanied by Sir **William Penney**, member of the U.K. Atomic Energy Authority for Scientific Research.

An invitation to visit this country was extended to Sir Roger in January, shortly after he succeeded Lord Plowden as chairman of the U.K. Atomic Energy Authority. **John A. McCone**, chairman of the U.S. Atomic Energy Commission, has recently made two extensive tours of United Kingdom installations, and 2 weeks ago AEC commissioners **John F. Floberg** and **Robert E. Wilson** visited the United Kingdom laboratories at Harwell and Aldermaston.

Paul W. McDaniel has been appointed director of the Atomic Energy Commission's Division of Research, where he has served as acting director since last summer. As director of the division, McDaniel is responsible for guidance of the commission's programs of basic research in the physical sciences in the national laboratories and for administering research contracts in the physical sciences at many universities and colleges. McDaniel has had 16 years of continuous service with the federal government. His career in the atomic energy field began in 1941, when he joined the Manhattan Project at the University of Chicago Metallurgical Laboratory.

Paul A. Scherer is now on leave of absence from the Carnegie Institution of Washington in order to engage in work for the Research Corporation, New York, related to the colleges and universities of the southeastern United States. He has offices in the AAAS headquarters building.

Edward A. Ackerman, deputy executive officer at Carnegie since 1958, succeeds Scherer. Ackerman was formerly director of the water resources program for Resources for the Future, Inc.

Samuel J. Ajl, program director for metabolic biology at the National Science Foundation, who was formerly associated with the Walter Reed Army Institute of Research, has accepted the position of director of research at the Albert Einstein Medical Center in Philadelphia. Ajl will direct and coordinate the research activities of both the Northern and Southern divisions of the center. He will assume his duties on or about 1 September.

H. Edwin Umbarger, assistant professor of bacteriology and immunology at the Harvard Medical School, has been appointed senior staff investigator at the Long Island Biological Laboratory in Cold Spring Harbor, N.Y.

Frank J. Dixon, professor and chairman of the department of pathology, University of Pittsburgh School of Medicine, will become the first director of the new department of experimental pathology, Scripps Clinic and Research Foundation, La Jolla, Calif., on 1 July 1961.

Also moving to Scripps from the de-

partment of pathology at Pittsburgh are **Joseph D. Feldman**, professor of pathology; **Jacinto J. Vazquez**, associate professor of pathology; and **Gordon B. Pierce**, **William O. Weigle**, and **Charles G. Cochrane**. Dixon, his associates, and their staff will be the first occupants of the new Medical Research Institute of the Scripps Clinic and Research Foundation, which will be completed by July of 1961.

Jack L. Strominger, professor of pharmacology at Washington University (St. Louis) is the recipient of the 1960 John J. Abel Award of the American Society for Pharmacology and Experimental Therapeutics. The \$1000 award, which is sponsored by Eli Lilly and Company, was conferred at the annual dinner of the society, which was held in Chicago. Strominger was honored for his work on the mechanism of the action of antibiotics.

Recent Deaths

H. C. Brearley, Nashville, Tenn.; 66; professor, author, and former president of the Southern Sociological Society; wrote *Homicide in the U.S.*; 23 May.

Georges Claude, Paris; 89; inventor of the neon light and pioneer in industrial use of liquid air and of rare gases; 23 May.

Walter G. Elmer, Philadelphia; 88; professor emeritus of orthopedic surgery at the Graduate School of Medicine of the University of Pennsylvania and at the Woman's Medical College of Pennsylvania; 17 May.

Arthur B. Gahan, College Park, Md.; 79; U.S. Department of Agriculture entomologist who retired from the National Museum in 1950; an authority on chalcid flies; 23 May.

Antonie Pannekoek, Netherlands; 87; emeritus professor of astronomy, University of Amsterdam; specialist in study of galactic structure and the history of astronomy.

Pieter Johannes van Rhijn; Netherlands; 74; emeritus professor of astronomy and director, Kapteyn Astronomical Laboratory, University of Groningen; authority on stellar statistics; 9 May.

Erratum: In J. J. Spengler's article, "Population and world economic development" [*Science* 131, 1497 (20 May 1960)], the heading of the first column in Table 1 (p. 1499) should have read "Gross reproduction rate," not "Gross reproduction rate (%)."