

the bureau. Megger's work has been concerned chiefly with standard wavelengths in optical spectra, descriptions of atomic and molecular spectra, spectroscopic light sources, Zeeman effect, analysis of spectral data for the derivation of atomic energy levels, atomic structure, and properties of atomic nuclei. Probably his outstanding achievement has been the development of the mercury-198 lamp, which gives off a green spectral line so pure that its wavelength can be determined to one part in one billion.

Meggers has received a number of awards, including the Frederic Ives Medal of the Optical Society of America, a special award of the Society for Applied Spectroscopy for "outstanding accomplishments in the field of atomic spectra," the Franklin Institute's Elliot Cresson Medal, the Department of Commerce gold medal for exceptional service, and a recognition medal from the University of Liège. Meggers has also held top offices in various technical societies. He has been president of the Optical Society of America, president of Commission 14 of the International Astronomical Union, chairman of the National Research Council Committee on Line Spectra of the Elements, vice president of AAAS Section B, and president of the International Joint Commission for Spectroscopy.

Meggers received his B.A. in physics from Ripon College in 1910, his M.A. in physics from the University of Wisconsin in 1916, and his Ph.D. in physics, mathematics, and astronomy from Johns Hopkins University in 1917. He joined the NBS staff in 1914, and was made head of the spectroscopy section in 1920.

J. O. IRWIN, member of the Medical Research Council of Great Britain's Statistical Research Unit, London School of Hygiene and Tropical Medicine, will spend this academic year as visiting professor in the department of biostatistics at the School of Public Health, University of North Carolina, Chapel Hill.

Another visitor from Great Britain is J. H. RENWICK, member of the Medical Research Council's Population Genetics Research Unit, London. He will conduct research in the department of medical genetics, Johns Hopkins Hospital, Baltimore, Md., from 1 October to the end of the year.

CHARLES HUGGINS, director of the Ben May Laboratory for Cancer Research of the University of Chicago, recently received the Charles Mickle fellowship of the University of Toronto for the year 1958 for "his contributions in the field of cancer." The award is made to that member of the medical profession and related sciences who is considered by the Council of the Faculty of Medicine of the University of Toronto "to

have done most during the preceding 10 years to advance sound knowledge of a practical kind in medical art or science."

Huggins has also received the £300 Cameron Prize of the University of Edinburgh. This prize is awarded biennially to a "person who, in the course of the five years immediately preceding has made any highly important and valuable addition to Practical Therapeutics." Huggins was honored for his research on the hormonal treatment of cancer.

JOSHUA LEDERBERG, chairman of the department of medical genetics at the University of Wisconsin School of Medicine, has been named to head a new department of genetics at Stanford University School of Medicine, effective in April 1959.

HAROLD LYONS, head of the atomic physics department of the Hughes Aircraft Company, Culver City, Calif., will receive a Certificate of Merit from the Franklin Institute on 15 October. He is being honored for "his work in pioneering the development of clocks of very great precision based on the natural periods of vibration of atoms and employing microwave techniques."

Recent Deaths

LUDWIG ADLER, New Milford, Conn.; 82; senior gynecologist and obstetrician at St. Clare's Hospital and a practicing physician in New York until his retirement 2 years ago; professor of gynecology and obstetrics at the University of Vienna and director of the gynecological department of the Empress Elizabeth Hospital, Vienna, Austria, before coming to the United States in 1938; 8 Aug.

MANOEL F. DE MAYO BEHAR, New London, N.H.; 69; vice president of the Instrument Publishing Company, Pittsburgh, Pa., and editor of *Instruments Magazine*, 1929-55; 1 Aug.

CHARLES B. BREED, Camden, Me.; 82; head of the civil engineering department of Massachusetts Institute of Technology, 1935-45; professor of railroad and highway transportation at the institute, 1906-45; 9 Aug.

HAROLD W. BUCK, Greenwich, Conn.; 85; electrical engineer; directed the Niagara Falls electrical power project, 1900-10, and thereafter the Victoria Falls power project in Rhodesia; 5 Aug.

EMMETT K. CARVER, Rochester, N.Y.; chemist and technical assistant to the general manager of Kodak Park Works, Rochester, N.Y.; former instructor in physical chemistry at the University of Illinois; 26 July.

GEORGE W. CLAPP, New Rochelle, N.Y.; 87; former technical and educational director of the Dentist Supply

Company of New York; author of many books on dentistry and former editor of *Dental Digest*; 8 Aug.

GEORGE H. COLLINGWOOD, Washington, D.C.; 67; conservationist and head of the Natural Resources Section, Legislative Reference Service of the Library of Congress; former chief forester of the American Forestry Association; professor of forestry at New York State College of Agriculture, 1916-23; 7 Aug.

GEORGE E. CONDRA, Glendale, Calif.; 89; dean emeritus of conservation and soil survey, University of Nebraska; had been associated with the university's geology and geography department for 50 years; 7 Aug.

HAL D. DRAPER, Sr., Nevada City, Nev.; 64; chairman of the division of science and mathematics and professor of chemistry at Sacramento State College since 1948; had taught at the University of California, Rice Institute, Fresno and Chico State College, and Sacramento Junior College.

WILLIAM DURAND, New York; 99; engineer and former head of the department of mechanical engineering at Stanford University; principal of the Graduate School of Marine Engineering and Naval Architecture at Cornell University in 1891; contributed to the early development of hydrodynamics and aerodynamics; author, beginning at the age of 68, of the six-volume *Aerodynamic Theory*; 9 Aug.

MARCEL GOLDENBERG, New York, N.Y.; 57; heart specialist and assistant clinical professor of medicine at Columbia University College of Physicians and Surgeons; discovered noradrenalin, which is used to maintain normal blood pressure in surgery; 30 July.

FRANK GROUT, Minneapolis, Minn.; professor emeritus of geology, University of Minnesota, and former director of the Minnesota Geological Survey; 1 Aug.

LIONEL C. RUBIN, New York, N.Y.; 53; former associate clinical professor of dermatology at the New York University-Bellevue Medical Center; 6 Aug.

HELEN K. STEWARD, Washington, D.C.; chief of the editorial office of the Armed Forces Institute of Pathology; 9 Aug.

EDWIN SUTERMEISTER, Westbrook, Me.; 81; retired chief research chemist of the S. D. Warren Company; specialist in paper making; 30 July.

WINSTON H. TUCKER, Evanston, Ill.; 57; Public Health Commissioner; performed research on the effects of fluorine in drinking water that led in 1947 to the addition of fluorine to the Evanston water supply (7 years later he reported that tooth decay in Evanston children had decreased by 56 percent); 3 Aug.