

development of Butyn, a non-narcotic pain killer. He also was responsible for the production of Nembutal, a hypnotic-sedative, and Pentothal, a general anesthetic.

During World War II, the sulfa drugs sulfanilamide, sulfathiazole, and sulfadiazine, and the antibiotic penicillin were produced under his direction. At the close of the war he was selected by the United States Surgeon General and the Chemical Warfare Service to head a team of scientific investigators that was sent to Germany to survey the chemical industry there. The investigators brought back valuable information on Methadone, a powerful analgesic, and polyvinylpyrrolidone (PVP), a compound that was later adapted as a blood plasma extender.

Volwiler's work in evaluating new chemical compounds and in evolving large-scale manufacturing processes was a major factor in bringing about the commercial production of Sucaryl, a synthetic sweetening agent for diabetics and persons on low-calorie diets.

I. D. WILSON, head of the biology department of Virginia Polytechnic Institute since 1923, retired from that post on 31 January. He has accepted a 2-year contract from the International Cooperation Administration to be a consultant to universities in India.

WALTER R. MILES has arrived at the U.S. Naval Medical Research Laboratory in New London, Conn., to assume the recently established post of chief scientist. As scientific director, he will be the top-ranking civilian in the laboratory, and will be assistant to the officer-in-charge in all research matters. He will coordinate and direct the scientific program within the six branches of the laboratory, represent the laboratory at scientific meetings, and act as liaison officer and consultant to the Navy's Bureau of Medicine and Surgery for the laboratory.

Miles has recently returned from Istanbul, Turkey, where he served for 3 years as Ordinarious professor of psychology at the University of Istanbul. Prior to that, he was for many years professor of psychology at the Yale University School of Medicine.

The following scientists from Australia are visiting North America.

G. M. WATSON, medical research officer for the Australian Atomic Energy Commission, arrived on 19 January. His itinerary includes Washington (19-26 January), Oak Ridge, Santa Fe, San Francisco, Chicago, New York, Boston, Ottawa, and Montreal, and he will depart for London about 6 March.

L. A. T. BALLARD of the Division of Plant Industry, Commonwealth Scien-

tific and Industrial Research Organization, is at the University of California, where he will spend approximately 10 months with K. C. Hamner in the department of botany. Ballard is interested in developmental physiology.

J. R. PHILIP, also of the C.S.I.R.O. Division of Plant Industry, is spending some 14 months in the Division of Biology of California Institute of Technology working on mathematical and physical aspects of plant environments and processes.

Scientific visitors to North America from England are:

BRIGIT A. ASKONAS, member of the National Institute for Medical Research (Medical Research Council), Mill Hill, London, is visiting a number of centers between 15 January and 25 February to study tissue-culture technique in relation to immunology. Her itinerary includes Boston, New York, Baltimore, Bethesda (Md.), West Point (Pa.), Cleveland, and Toronto.

J. C. KENDREW, member of the unit for research on the molecular structure of biological systems (Medical Research Council), Cavendish Laboratory, Cambridge, recently attended a meeting at the National Institutes of Health, and will also attend the conference of the Biophysical Society of America in Boston, 5-7 February.

E. E. POCHIN, director of the Medical Research Council's department of clinical research, University College Hospital Medical School, London, will attend the meeting in New York of the United Nations Scientific Committee on the Effects of Atomic Radiation. He will depart sometime in February.

FREDDY HOMBURGER and PETER BERNFELD have founded Bio-Research Institute, Inc., and Bio-Research Laboratories, Inc., independent, nonprofit organizations for fundamental biological and biochemical research and for the study of man-made environmental causes of disease. New laboratories were opened on 1 January at 9 Commercial Ave., Cambridge, Mass. The two men, who were previously research professor of medicine and associate professor of biochemistry, respectively, at Tufts University School of Medicine, will also offer services in consultation, research, and development to the drug, cosmetic, and food industries through the firm of Bio-Research Consultants, located at the same address.

HARRY H. SOBOTKA of Mount Sinai Hospital, New York, will receive the second annual Van Slyke Award of the New York Section of the American Association of Clinical Chemists on 11 February at the New York Academy of Sciences. His award lecture will be devoted to "The Microbiological Assay of

Vitamins in Clinical Chemistry." Donald D. Van Slyke of Brookhaven National Laboratory, for whom the award is named, will be chairman of the presentation meeting.

## Recent Deaths

FRANZ F. BERG, Middlesex, N.J.; 64; associate director of pharmaceutical development in the Fine Chemical Division of the American Cyanamid Company; previously with E. R. Squibb & Son, Brooklyn, for 32 years; 30 Dec.

WILLIAM T. BOVIE, Fairfield, Me.; 75; retired biophysicist who perfected the electric scalpel and collaborated with Harvey Cushing in developing operating procedures for brain surgery; taught at Antioch College, Harvard University, Northwestern University, and Colby College; 1 Jan.

ARTHUR J. EWINS, London, England; 75; research chemist who was one of the discoverers of M and B 693, the antipneumonia drug; director of research at the laboratories of May and Baker, Ltd., manufacturing chemists of Dagenham, Essex, where he had worked since 1917; 30 Dec.

DWIGHT D. GARDNER, Columbus, Ohio; vice president of Commercial Motor Freight, Inc.; first elected president of the American Institute of Industrial Engineers; 17 Dec.

DOUGLAS M. KELLEY, Berkeley, Calif.; 45; professor of criminology at the University of California; chief psychiatrist during the Nuremberg Nazi war crimes trials and specialist in lie detection; 1 Jan.

ERNEST KENNAWAY, London, England; 76; professor emeritus of experimental pathology at the University of London and former director of the Chester Beatty Research Institute of the Royal Cancer Hospital; 1 Jan.

FREDERICK W. MERRIFIELD, Wilmette, Ill.; 70; professor emeritus of surgery at Northwestern University Dental School; 6 Jan.

LINDSAY R. PARKER, New York, N.Y.; 79; retired public utilities executive and electrical engineer; 1 Jan.

SIMON L. RUSKIN, New York, N.Y.; 60; chemist; inventor, and physician who specialized in the nose and throat; patented a procaine penicillin preparation; 1 Jan.

MARGARET H. SMYTH, Palo Alto, Calif.; 84; psychiatrist who had served as director of the Stockton State Mental Hospital and who was voted California's most distinguished woman in medicine at the Golden Gate International Exposition in 1940; 30 Dec.

KOICHI UDA, Tokyo, Japan; 53; lawyer, former minister in charge of atomic affairs in the Japanese Cabinet; 30 Dec.