

related to power-plant operation. Fellows, who is past-president of the American Society for Testing Materials, is the author of numerous articles on problems involving the application of chemical principles in the electric power industry.

LOWELL O. RANDALL, director of pharmacology for Hoffmann-La Roche, Inc., Nutley, N.J., has been awarded an honorary doctor of science degree by Mount Union College, Alliance, Ohio.

WILLIAM G. VAN DER KLOOT, associate professor of zoology at Cornell University, will become professor and chairman of the department of pharmacology at New York University College of Medicine at the close of the academic year.

The Geophysics Research Directorate, Air Force Cambridge Research Center, Bedford, Mass., has announced the selection of RITA C. SAGALYN as Guenter Loeser Memorial Lecturer for 1958. Sagalyn will speak on "Recent Investigations of Electrical Phenomena in the Atmosphere" at 2 P.M. on 4 June, in the Charter Room of the New England Mutual Building, Boston, Mass.

H. J. C. MACMILLAN, formerly chief of laboratories at Lemuel Shattuck Hospital, Department of Public Health, Commonwealth of Massachusetts, and instructor in gynecology at Boston University, has joined Bio-Research Institute, Incorporated, and Bio-Research Consultants, Cambridge, Mass., as chief pathologist and cytologist.

ROBERT M. FARRIER has been appointed assistant director of the National Institutes of Health Clinical Center, Bethesda, Md. He replaces STUART M. SESSOMS, now assistant director of the National Cancer Institute. Farrier has been a commissioned officer in the Public Health Service since 1948. Since 1954 he has been on special assignments for the headquarters office of the Bureau of Medical Services.

H. K. NEWBURN, since 1953 president of the Educational Television and Radio Center, Ann Arbor, Mich., has announced that he will leave this position in September. The decision corresponds with his expressed intent to return to university administration when he was named the first full-time head of the Ann Arbor organization.

The University of Michigan has announced the following appointments: GEORGE E. HAY, who has been acting chairman of the department of mathematics since September and a member of the faculty since 1940, has been made chairman of the department,

effective immediately and until 30 June, 1962; PAUL M. FITTS of Ohio State University has been appointed as professor of psychology, effective in September; GORDON J. VAN WYLEN, a professor of engineering at Michigan since 1951, has been appointed chairman of the department of mechanical engineering, effective in July; PHILLIP C. CLEMMOW, who will be on sabbatical leave as university lecturer at Cambridge University, Cambridge, England, has been named visiting professor of electrical engineering for 1958-59; PAUL F. ZWEIFEL, consulting physicist with the General Electric Company's Knoll's Atomic Power Laboratory, has been appointed associate professor of nuclear engineering in the department of electrical engineering for a period of 2 years, effective 1958-59; and GIUSEPPE PARRAVANA, associate professor of chemical engineering at the University of Notre Dame, has been appointed associate professor of chemical engineering for a 2-year period, September 1958 to June 1960.

Four physicians whose work has contributed to research on drug addiction were cited for their accomplishments by the Secretary of Health, Education, and Welfare at a recent dinner held in their honor at the Officers Club of the Navy Medical Center in Bethesda, Md. Letters of commendation were presented to two retired assistant surgeons general, LAWRENCE KOLB of Washington, D.C., and WALTER L. TREADWAY of Santa Barbara, Calif.; to NATHAN B. EDDY, chief of the section on analgesics of the Chemistry Laboratory, National Institute of Arthritis and Metabolic Diseases; and to the widow of the late LYNDON F. SMALL, former chief of the Laboratory of Chemistry of the National Institute of Arthritis and Metabolic Diseases.

ALFRED B. FOCKE, former director of the University of California's Marine Physical Laboratory, has been named chief scientist at the U.S. Naval Air Missile Test Center, Point Mugu, Calif. He is a specialist in underwater sound, radar, and radio air acoustics.

DANIEL M. SHAPIRO, formerly of the Columbia-Presbyterian Medical Center in New York, has been appointed associate professor of surgery in the University of Miami School of Medicine. He is in charge of the cancer research program of the department of surgery, to which he has brought a team of trained technicians and a colony of 4000 inbred mice.

HORACE H. HOWE, nuclear physicist, has joined the U.S. Naval Radiological Defense Laboratory, San Fran-

cisco, Calif., as head of the accelerator branch, Nucleonics Division. Howe was formerly on the teaching staff of Reed College, and of the University of California, Los Angeles.

Recent Deaths

CHENG TAN CHOW, Johore Bahru, Malaya; 26; for 2 years research associate in the department of biochemistry at the University of Chicago, since January instructor at the University of Malaya; 24 Mar.

JOHN W. CRONIN, Washington, D.C.; 52; Assistant Surgeon General and chief of the Bureau of Medical Services of the U.S. Public Health Service; 26 Mar.

THOMAS S. CUSACK, Brooklyn, N.Y.; 74; psychiatrist and neurologist for more than 40 years; testified as an expert witness at many famous criminal trials; 14 Apr.

ELSE FRENKEL-BRUNSWIK, Berkeley, Calif.; 49; lecturer in psychology at the University of California; associate research psychologist, Institute of Child Welfare; and research associate, Institute of Industrial Relations; 31 Mar.

FRITZ FRIEDRICHS, Wertheim, Germany; 72; engineer with the Normschliff Glasgeräte GmbH, Wertheim; 12 Mar.

FRANK KINGRON-WARD, London, England; 72; botanist who made more than 20 expeditions to China, Tibet, Burma, and India; brought some 300 varieties of oriental plants and shrubs to Europe; 8 Apr.

MARK M. MILLS, Washington; 40; deputy director of the University of California's Radiation Laboratory, Livermore Branch, and professor of nuclear engineering in the Division of Mechanical Engineering at Berkeley; member of the Atomic Energy Commission's Reactor Safeguard Committee, and member of the Advisory Committee on Atomic Energy of the Secretary of Defense; 7 Apr.

VICTOR C. PEDERSEN, Forest Glen, Md.; 90; physician and surgeon in New York until his retirement in 1948; for 15 years chief of clinic at St. Mark's Hospital in New York, where he developed one of the first social study clinics on the effects of hereditary syphilis in families; 9 Apr.

JOSEPH J. SCHAEFER, New York, N.Y.; 59; consulting chemist; 11 Apr.

BURGESS SMITH, Rochester, N.Y.; 83; chief chemist and research director of the Todd Company in Rochester until he retired in 1950; 14 Apr.

ROBERT S. WITHROW, Minneapolis, Minn.; biophysicist, and chief of the Division of Radiation and Organisms at the Smithsonian Institution in Washington, D.C.; 8 Apr.