

geon General William C. Gorgas, whose work in controlling yellow fever made possible the construction of the Panama Canal.

BENTLEY GLASS, professor of biology at Johns Hopkins University and for some years a member of the AAAS editorial board, will discuss "Genes and the Man—New Vistas" as a Sigma Xi national lecturer at a number of colleges and universities in December and January.

McCHESNEY GOODALL, formerly of the Duke University School of Medicine, has joined the staff of the University of Tennessee Memorial Research Center as research professor and assistant director. Goodall is a neurophysiologist whose interests include space medicine.

IAN CAMPBELL, professor of geology and executive officer of the Division of Geological Sciences at the California Institute of Technology, has been named chief of the Division of Mines in California's Department of Natural Resources, effective early in January 1959.

HACK ARROE has been named head of the Physics Division in the Denver Research Institute of the University of Denver.

ARTHUR UHLIR, JR., has joined Microwave Associates, Inc., Burlington, Mass., as director of semiconductor research and development. He was formerly a member of the technical staff of Bell Telephone Laboratories, Inc., Murray Hill, N.J.

The following mathematicians have reported new appointments for the academic year 1958–59.

C. W. CURTIS, associate professor on leave from the University of Wisconsin, has been appointed visiting associate professor at Cornell University.

R. J. DUFFIN, professor on leave from Carnegie Institute of Technology, has been appointed director of special research in applied mathematics at Duke University.

SIMON GREEN, associate professor at the University of Tulsa, has been appointed associate professor at the University of South Carolina.

J. W. HAMBLIN, assistant professor at Oklahoma State University, has been appointed director of the computing center and associate professor of statistics at the University of Kentucky.

T. E. HULL, associate professor at the University of British Columbia, has been appointed visiting associate professor at the California Institute of Technology.

D. A. KEARNS, assistant professor

at the University of Maine, has been appointed professor at Merrimack College.

O. M. KLOSE, associate professor at Seattle University, has been appointed associate professor at Humboldt State College.

JOHN KRONSBELN, professor at Evansville College, has been appointed professor at the University of Florida.

G. G. LORENTZ, professor at Wayne State University, has been appointed professor at Syracuse University.

E. P. MILES, JR., associate professor at Alabama Polytechnic Institute, has been appointed associate professor at Florida State University.

The University of Michigan has appointed ARLEN R. HELLWARTH as associate professor of engineering, effective 1 February 1959, and as secretary and assistant dean of the College of Engineering, effective 1 July 1959. He will do some teaching during the spring semester and then replace associate dean WALTER J. EMMONS, who is retiring on 30 June 1959. Since 1933, Hellwarth has been associated with the Detroit Edison Company. For ten of these years his work was concerned with engineering, planning, and operation of communication and electrical power systems. For 15 years, he served in supervisory positions and administrative work in various phases of personnel.

Also at Michigan, CHARLES G. GORDY, professor of industrial engineering, will retire as professor emeritus on 1 February 1959. He has been on the faculty of the College of Engineering since 1921. He became the first professor of industrial engineering at the university and was until recently the only one holding this title. During his 37 years of service, he has taught continuously without sabbatical leave, sick leave, or any other absence from duty.

Major General HOWARD G. BUNKER, U.S. Air Force (Ret.), has joined the staff of the Rand Corporation, Santa Monica, Calif., where he will serve as special assistant to E. J. Barlow, chief of the Engineering Division. Bunker's last military assignment was as deputy inspector general of the Air Force. Before that, for 4 years, he served as assistant for atomic energy, USAF headquarters.

EUGENE BOLLAY, meteorologist, has been appointed director of research, meteorology instrumentation, at BJ Electronics, Borg-Warner Corporation, Santa Ana, Calif. Bollay was formerly president and technical director of Northam Electronics, Inc., recently acquired by BJ Electronics. He will serve in specialized areas of instrumentation and applications, particularly as related to weather and meteorology.

## Recent Deaths

PAUL O. CHATFIELD, Philadelphia, Pa.; 41; assistant professor of neurology at Jefferson Medical College; chief of the section of clinical neurophysiology at the National Institute of Neurological Diseases and Blindness, Bethesda, Md., 1953–56; assistant professor of physiology at the Harvard Medical School; 1946–53; 19 Nov.

LEE M. EATON, Rochester, Minn.; professor of neurology at the Mayo Foundation; chairman of the sections of neurology at the Mayo Clinic and president of the Association for Research in Nervous and Mental Diseases; president of the Central Neuro-Psychiatric Association in 1953; 19 Nov.

WARREN W. FUREY, Chicago, Ill.; 60; clinical professor of radiology at Loyola University's Stritch School of Medicine; chief radiologist at Mercy and at Little Company of Mary Hospitals; past president of the Radiological Society of North America, and of the Chicago Medical Society; 19 Nov.

CHARLES F. KETTERING, Dayton, Ohio; 82; mechanical engineer whose most important inventions are the automobile self-starter and the two-cycle diesel engine; retired in 1948 as vice president of the General Motors Corporation and director of the General Motors Research Laboratories; AAAS President, 1945; chairman of the National Inventors Council since 1940; chairman of Charles F. Kettering Inc., and vice president of the Charles F. Kettering Foundation, which he founded in 1925 at Antioch College; director of the National Cash Register Company at Dayton, for which he developed the first electric cash register, and director and first president of the Ethyl Corporation; 25 Nov.

WILLIAM H. LEAK, West Stamford, Conn.; 78; New York dentist, who in 1943 was named the first curator of Columbia University's Museum of the School of Dental and Oral Surgery; head of the Post-Graduate Dental Clinic of Columbia University; 21 Nov.

PAUL C. SQUIRES, New London, Conn.; 64; psychologist in the human engineering branch at the Navy Submarine Base; had been associate professor of psychology at the University of Vermont and assistant professor at the University of Kansas; taught at Sampson College (N.Y.) and at the University of Rochester; 25 Nov.

FRANK A. WATERMAN, Northampton, Mass.; 93; retired professor of physics, Smith College, where he taught from 1897 to 1933; taught at Purdue University and at Princeton before joining Smith; for many years chief examiner and chief reader in physics in the College Entrance Examination Board; designed apparatus for use in elementary physics laboratories; 17 Nov.