

upon completion of their education. O'Konski (R-Wis.). House Education and Labor.

No action.

HR 10842. Encourage expansion of teaching and research in education of exceptional children through grants to institutions of higher learning for training of personnel with advanced professional skills in special education. McGovern (D-S.D.). House Education and Labor.

No action.

HR 11833. Encourage expansion of teaching and research in education of mentally retarded children through grants to institutions of higher learning and to state educational agencies. May (R-Conn.). House Education and Labor.

No action.

HR 11329. Amend title IV of Housing Act of 1950 to authorize loans under college housing loan program for construction of science buildings and libraries at educational institutions. O'Brien (D-N.Y.). House Banking and Currency.

No action.

S 3642. Provide for accelerated development of secondary school education in natural sciences in the several states and territories. Yarborough (D-Texas). Senate Labor and Public Welfare.

No action.

S 3606. Provide financial assistance to the states for educational purposes by returning to the states a portion of federal income taxes collected therein. Proxmire (D-Wis.). Senate Labor and Public Welfare.

No action.

HR 12127. Provide for a program of federal grants-in-aid to assist the states to establish and maintain science and technological centers providing adequate facilities for advanced education and research in certain fields of science and engineering. Matthews (D-Fla.) House Education and Labor.

No action.

HR 11830. Provide for a federal program of loans to encourage and assist able and needy students to continue their education beyond the high-school level. Lane (D-Mass.). House Education and Labor.

No action. Similar provisions in Public Law 864.

HR 10180. Amend National Science Foundation Act of 1950 to encourage training of additional engineers and scientists and expansion of facilities for engineering and science education by providing scholarships and fellowships for engineering and science students. Sikes (D-Fla.). House Interstate and Foreign Commerce.

No action.

HR 10290. Amend Outer Continental Shelf Lands Act in order to provide that

revenues under provisions of such act be used as grants-in-aid of primary, secondary, and higher education. Udall (D-Ariz.). House Judiciary.

No action.

(The status of other proposed legislation described in *Science* over the past 9 months will be given in News of Science in the next issue. The bills reported on will be those relating to general scientific activities, federal agencies, conservation, commerce, and others.)

Scientists in the News

NORMAN TOPPING, nationally known for his research and administrative work in education and medicine, took office on 2 September as the seventh president of the University of Southern California, his alma mater. He will be installed in traditional inauguration ceremonies on the campus 23 October. Topping returned to Southern California from the University of Pennsylvania, where he had been vice president for medical affairs for 6 years. He formerly was an assistant surgeon general of the U.S. Public Health Service and associate director of the National Institutes of Health.

Three members of the National Academy of Sciences-National Research Council Committee on Undersea Warfare were honored recently for their contributions to the Department of the Navy in the field of scientific research and development. At an informal dinner in Washington, Admiral ARLEIGH A. BURKE, Chief of Naval Operations, presented Navy Distinguished Public Service Awards to ERIC A. WALKER, president of Pennsylvania State University, and GAYLORD P. HARNWELL, president of the University of Pennsylvania. JOHN S. COLEMAN, executive secretary of the Academy-Research Council's Division of Physical Sciences, received the Navy Meritorious Public Service Award.

ANTHONY C. CLEMENT, professor of biology at Emory University, has been named program director for developmental biology, Division of Biological and Medical Sciences, National Science Foundation. Clement is on leave from Emory.

DONALD B. McMULLEN, chief of the department of medical zoology at the Walter Reed Army Institute of Research, will serve the World Health Organization for 15 months. He is to be the epidemiologist on a two-man team that will undertake a study of methods for preventing the spread of schistosomiasis in hydroelectric, irrigation, and drainage

projects in the Middle East and Africa. Headquarters will be WHO's Section of Endemo-epidemic Diseases, Geneva, Switzerland, but most of the time will be spent in the field. It is expected that initial surveys will be made in eight countries by the end of 1958.

AKIRA NOMOTO, professor at Chuo University in Japan, is serving this year as visiting professor in the department of mechanical engineering at Case Institute of Technology.

In the same department, NIMET OZDAS, formerly on the faculty at Massachusetts Institute of Technology, will serve as visiting associate professor. Ozdas received his diploma in engineering in 1946 from the technical University of Istanbul, Turkey, and his Ph.D. in 1951 from the Imperial College in London, England.

Two electrical engineers will receive Howard N. Potts Medals from the Franklin Institute on 15 October. EMANUEL ROSENBERG of Bogotá, Colombia, is being honored "for his conception of a fundamentally new principle for deriving electrical current from a rotating machine and for his solution of the many technical problems related to the development of the Cross-Field Generator." WILLIAM NELSON GOODWIN, JR., of New Hope, Pa., is being honored for "his many contributions to the field of electrical measuring instruments of which the thermal ammeter, the vacuum tube tester, and the rectifier instrument are examples, and in particular for his work on photoelectric exposure meters and establishing a scale for film speeds."

Dr. and Mrs. JAMES F. TAIT of London have joined the research staff of the Worcester Foundation for Experimental Biology, where they began work on 1 October following a lecture tour. Tait, in collaboration with his wife, (Sylvia A. Simpson) is codiscoverer of aldosterone, a natural hormone of the adrenal cortex which regulates the sodium-potassium balance of the body.

This year's honorary degree recipients include the following:

W. G. CADY, professor emeritus of physics at Wesleyan University, from Wesleyan University.

EARLE C. SMITH, chief metallurgist and director of research at Republic Steel Corporation, Cleveland, Ohio, from Ohio State University.

GILBERT L. STOUT, chief of the bureau of plant pathology in the California Department of Agriculture, from Miami University.

HOMER S. SWINGLE, professor of fisheries management at Alabama Poly-

technic Institute, from Ohio State University.

CARL J. WIGGERS, professor emeritus of physiology at Western Reserve University, from Ohio State University.

GLEN D. CAMP, professor of operations research at George Washington University, has been appointed professor of engineering administration at Case Institute of Technology.

Another institute appointment is that of LUCIEN SCHMIT as associate professor of civil engineering. He was formerly at Massachusetts Institute of Technology.

The Institute of Radio Engineers has announced its 1959 awards, which will be presented at the IRE national convention banquet next March in New York City.

E. LEON CHAFFEE, former director of the Cruft Laboratory, Harvard University, is to receive the IRE Medal of Honor, the highest technical award in the radio-electronics field, "for his outstanding research contributions and his dedication to training for leadership in radio engineering." Chaffee, whose career at Harvard began in 1911, is Rumford professor of physics, emeritus, and Gordon McKay professor of applied physics, emeritus.

The Morris Liebmann Memorial Prize will go jointly to CHARLES E. TOWNES, professor of physics, Columbia University, and NICOLAAS BLOEMBERGEN, Gordon McKay professor of applied physics, Harvard University, "for fundamental and original contributions to the maser."

JACK W. HERBSTREIT, chief of the tropospheric propagation research section, National Bureau of Standards, has been named to receive the Harry Diamond Memorial Award "for original research and leadership in radio-wave propagation."

The Vladimir K. Zworykin Television Prize will go to PAUL WEIMER, group leader of pickup tube research, RCA Laboratories, "for contributions to photoconductive-type pickup tubes."

THOMAS F. ANDERSON, formerly of the Johnson Research Foundation of the University of Pennsylvania School of Medicine, has joined the staff of the Institute for Cancer Research, Philadelphia, Pa., as a senior member of that group. Anderson will retain the title of professor in the department of biology at the University of Pennsylvania.

GREGORY PINCUS, director of research at the Worcester Foundation for Experimental Biology, is chairman of the Subcommittee on Program for the first

International Congress of Endocrinology, which will be held in Copenhagen in 1960. The subcommittee is organizing the program for the congress, arranging a series of symposia and sessions for briefer papers. Other members of the group include ROLF LUFT of Stockholm; ROBERT COURRIER of Paris; JOHN LORAIN of Edinburgh; HECTOR CROXATTO of Santiago; A. QUERIDO of Leiden; and FRANK ENGEL of Durham, N.C. The committee's first meeting was held in Paris on 29 August.

E. O. FIELD, division of radiobiology, radiotherapy department, Royal Marsden Hospital, London, has been appointed visiting instructor in medicine at Stanford University School of Medicine, San Francisco, for the academic year 1958-59. Field will collaborate on hematology research being conducted in the isotope laboratory by the departments of medicine and radiology.

FRED J. EMMERICH, former president and chairman of the board of the Allied Chemical Corporation and now one of its directors, has received the Chemical Industry Medal of the Society of Chemical Industry.

ROY E. MORSE, professor of food science, has been named chairman of the department of food science of the N.J. Agricultural Experiment Station, Rutgers University. He succeeds WALTER A. MACLINN, who resigned recently to become executive director of the Refrigeration Research Foundation, Colorado Springs, Colo.

B. ROSS GUEST, chief civilian, Air Intelligence Estimates Branch, Office of the Assistant Chief of Staff, Intelligence, Department of the Air Force, Washington, D.C., has been appointed an associate professor in the earth science department, Northern Illinois University.

EDGAR H. DIX, JR., assistant director of research for the Aluminum Company of America since 1942, has retired. Dix has been directly or indirectly responsible for the development of many of the aluminum alloys used today, which now number 70.

GEORGE M. BRIGGS, chief of the nutrition unit, Laboratory of Nutrition and Endocrinology, National Institute of Arthritis and Metabolic Diseases, was recently awarded the 1958 Borden Award for his outstanding contributions during the past years to the advancement of basic research in poultry science. The award, consisting of a gold medal and \$1000, was sponsored by the Poultry Science Association. Briggs was particu-

larly cited for his work with vitamin B₁₂ and its relationship to other diet components, such as fat and amino acids. The use of synthetic diets that Briggs developed has been especially effective in determining the effect of a single basic food element on growth and physical development.

MARTIN E. HANKE, associate professor of biochemistry at the University of Chicago, has been named director of the Clinical Chemistry Laboratory in the Division of Biological Sciences of the university's School of Medicine. Hanke's research interests have included isotopic studies on the reaction mechanism in the enzymatic decarboxylation of amino acids, serum proteins in cancer, oxidation-reduction potentials in bacterial cultures, and preparation of organic arsenic and mercury compounds.

ROBERT E. HENZE, associate professor of biochemistry at Purdue University, has been appointed to the headquarters staff of the American Chemical Society in Washington, D.C., to coordinate the society's education program.

JOHN N. HOBSTETTER, member of the technical staff of the Bell Telephone Laboratories, has been appointed associate professor of metallurgical engineering at the University of Pennsylvania.

Recent Deaths

JACK K. FINNEGAN, Richmond, Va.; 42; associate professor of pharmacology at the Medical College of Virginia; 13 Sept.

MATT C. JACOBS, Rochester, N.Y.; 62; professor of medical illustration at the University of Rochester; former president of the National Association of Medical Illustrators; 13 Sept.

LEWIS KNUDSON, Ithaca, N.Y.; 74; professor emeritus of plant physiology of New York State College of Agriculture, Cornell University; had been on the university's staff for more than 40 years; 31 Aug.

FREDERICK B. LAFORGE, Washington, D.C.; 76; chemist with the U.S. Department of Agriculture since 1915; specialist on insecticides; author of more than 100 papers and holder of a number of patents; 4 Sept.

JAY L. WIERDA, Philadelphia, Pa.; 60; associate professor of dental anatomy and a member of the faculty of the University of Pennsylvania Medical and Dental Schools for 28 years; formerly taught at Johns Hopkins University, Guilford College, Duke University, Cornell University, and Ohio State University; 5 September.