

and Engineering Sciences. Earl G. Droessler joined the staff of the foundation as Program Director for Atmospheric Sciences. He was formerly with the Office of Science, Department of Defense.

The Atmospheric Sciences Program is being established by the foundation as a result of recommendations by the President's Committee on Weather Control and the Committee on Meteorology at the National Academy of Sciences-National Research Council.

The new program will deal with meteorology including not only the more conventional type of meteorological research, but also energy transfer processes between earth, sea, and air; turbulent flow of gaseous fluids; heat-exchange processes; upper-atmosphere studies; atmospheric chemistry; and general circulation problems of the atmosphere and oceans. Attention will also be given to the field of cloud physics, especially the physics of precipitation, where much basic research must be pursued before the possibility of controlling or modifying weather can be evaluated.

Droessler brings to his new assignment wide experience in administration and coordination of military scientific research and development, and in research in meteorology and glaciology.

News Briefs

The first of July marked the centennial of the first reading of Charles Darwin's paper on the evolution of the species. The occasion was marked at a meeting in London of the Linnaean Society held in honor of Darwin and Alfred Russell Wallace, who, working independently, had arrived at a theory which was so strikingly similar that the papers were read together. The attending group of biologists learned that the first reading was passed over by the president of the society, Thomas Bell, as a matter of no great importance. He was disappointed, Bell said, that 1858 had "not been marked by any of those striking discoveries which at once revolutionize, so to speak, the department of science on which they bear."

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The Martin Company has opened a laboratory for basic research in Baltimore, Md. Patterned after the Institute for Advanced Study at Princeton, the company's Research Institute for Advanced Study was established "to observe phenomena of nature and to encourage, promote, and support investigations in search of underlying knowledge of these phenomena. To conduct theoretical and experimental studies, to discover the fundamental laws which affect them. . . ." Operating without security

restrictions and without specific program direction by the parent company, the institute's staff of 35 scientists pursue fundamental studies which may or may not have eventual application. Photosynthesis, cosmic ray studies, Einstein's relativity theory, and nonlinear differential equations are some of the current and projected subjects of inquiry.

Proposed Legislation

Of the many bills introduced in Congress, some have a special relevance to science and education. A list of such bills recently introduced follows:

H Con Res 325. Authorize Joint Committee on Atomic Energy to print for its use 10,000 copies of the public hearings on the physical research program as it relates to atomic energy. Price (D-Ill.). House Administration.

S 3753. Provide that the Secretary of Interior shall develop and carry out an emergency program for eradication of starfish in Long Island Sound and adjacent waters. Bush (R-Conn.). Senate Interior and Insular Affairs.

HR 12710. Provide for research into problems of flight within and outside the earth's atmosphere. McDonough (R-Calif.). House Select Committee on Astronautics and Space Exploration.

S 3898. Authorize the establishment of the Indiana Dunes National Monument. Douglas (D-Ill.). Senate Interior and Insular Affairs.

S 3892. Stabilize production of copper, lead, zinc, acid-grade fluorspar, and tungsten from domestic mines by providing for stabilization payments to producers of ores or concentrates. Murray (D-Mont.). Senate Interior and Insular Affairs.

S 3900. Liberalize tariff laws for work of art and other exhibition material. Javits (R-N.Y.). Senate Finance.

S 3932. Provide for federal assistance for construction and expansion of public community junior colleges. Yarborough (D-Texas). House Labor and Public Welfare.

S 3946. Amend provisions of Public Health Service Act re grants for hospital construction to include institutions for care and treatment of mentally retarded. Yarborough (D-Texas), Proxmire (D-Wis.). Senate Labor and Public Welfare.

HR 12771. Restore (for 1 year) the duties on aluminum and aluminum products established in the Tariff Act of 1930. Baker (R-Tenn.). House Ways and Means.

HR 12821. Require the Surgeon General to undertake a special research program on cystic fibrosis. Broomfield (R-Mich.). House Interstate and Foreign Commerce.

Scientists in the News

JOHN I. YELLOTT, former assistant director of Stanford Research Institute and executive director of the Association for Applied Solar Energy in Phoenix, Ariz., has announced formation of the firm John Yellott Associates with headquarters at 901 W. El Caminito, Phoenix, Ariz. The new firm will render consulting services in mechanical engineering, with specialization in various aspects of power generation by steam and gas turbines, fuel utilization, energy conversion, and particularly in applications of solar energy to special problems in space heating and cooling.

BRUCE WALLACE, geneticist at the Biological Laboratory, Cold Spring Harbor, has been named associate professor in the department of plant breeding at Cornell University, effective 1 September. Wallace will continue his research in *Drosophila* genetics and teach genetics and experimental evolution.

HARRY J. FULLER, editor-in-chief of the *American Journal of Botany* and editor of the *Plant Science Bulletin* since its founding, has resigned from these posts because of ill health. HAROLD C. BOLD, professor of botany at the University of Texas, will succeed Fuller on the *American Journal of Botany*. HARRIET B. CREIGHTON of Wellesley College, has been elected editor of the *Plant Science Bulletin*. Bold has resigned as secretary of the Botanical Society, effective 1 September.

S. B. SELLS, chief of the department of medical psychology at the Air Force School of Aviation Medicine at Randolph Field, Texas, has been appointed professor of psychology at Texas Christian University.

To honor outstanding engineering achievement in the field of agriculture, the American Society of Agricultural Engineers has awarded the John Deere Gold Medal to WALLACE ASHBY, Beltsville, Md.; and two Cyrus Hall McCormick Gold Medals—one to THOMAS CARROLL, Toronto, Ont., Canada, and one to DENT PARRETT, St. Joseph, Mich.

O. BURR ROSS of Salina, Kan., general manager of the Gooch Feed Mill Company, has been named head of the department of animal science at the University of Illinois College of Agriculture. He succeeds L. E. CARD, who recently accepted an assignment as group leader of the University of Illinois agricultural staff working under the university's International Cooperation Administration contract in India.

MURRAY RABINOWITZ of the Rockefeller Institute for Medical Research has been appointed director of the central Cardiopulmonary Laboratory at the University of Chicago, effective in September. Rabinowitz has been working with Fritz Lipmann's biochemical research laboratory at the institute.

This year's honorary degree recipients include the following:

PETER P. ALEXANDER, chairman of the board of Metal Hydrides, Inc., from Northeastern University.

ERNEST W. BURGESS, professor emeritus of the University of Chicago, from Western Reserve University.

WILLIAM H. EISENMAN, former national secretary for the American Society for Metals, from Western Reserve University.

JOHN F. ENDERS, professor of bacteriology and immunology at Harvard Medical School, from Western Reserve University.

GEORGE H. HART, emeritus dean of the School of Veterinary Medicine, University of California, Davis, from the University of California, Berkeley.

HELEN S. HOGG, professor of astronomy at the University of Toronto, from Mount Holyoke College.

JAMES G. HORSFALL, director of the Connecticut Agricultural Experiment Station, from the University of Vermont.

TSUNG DAO LEE, professor of physics at Columbia University, from Princeton University.

ROBERT T. LEGGE, emeritus professor of hygiene, from the University of California, Berkeley.

GUSTAV J. MARTIN, vice president and director of research of the National Drug Company of Philadelphia, from Philadelphia College of Pharmacy and Science.

ISIDOR S. RAVDIN, John Rhea Barton professor of surgery of the School of Medicine of the University of Pennsylvania, from Philadelphia College of Pharmacy and Science.

J. E. WALLACE WALLIN, retired director, division of special education and mental hygiene, department of public instruction, Wilmington, Delaware, from Upsala College.

H. BRADFORD WASHBURN, JR., director of the Boston Museum of Science, from Northeastern University.

SEWALL WRIGHT, professor of zoology at the University of Wisconsin, from Western Reserve University.

CHIEN SHIUNG WU, associate professor of physics at Columbia University, from Princeton University.

CHEN NING YANG, professor of physics at the Institute for Advanced Study, Princeton, N.J., from Princeton University.

WALTER BAADE, for 27 years a member of the staff of the Mount Wilson and Palomar Observatories, has retired from the California Institute of Technology and the Carnegie Institution of Washington.

Baade is noted for his discovery that two entirely different types of stars (populations I and II) exist. This discovery led to his recalibration of Cepheid variable stars, distance indicators in the Andromeda nebula, and his correction in the cosmic distance scale. His work, which was reported at the International Astronomical Union meeting in September 1952, indicated that all objects beyond the Milky Way are about twice as far from the earth as had previously been supposed. Baade has also collaborated with Rudolph Minkowski in the identification of radio sources with optically observed objects, and in the physical interpretation of the nature of these sources.

Baade, a native of Schröttinghausen, Germany, studied at the Universities of Münster and Göttingen. He received his Ph.D. degree in 1919 at Göttingen and in that same year was appointed to the staff of the Hamburg Observatory, where he remained until he received his appointment to the Mount Wilson staff in 1931.

F. W. SPIERS, professor of physics at the University of Leeds, Leeds, England, will be in the United States and Canada from 21 July till the end of August. He will attend the International Congress of Radiation Research in Burlington, Vermont, 10-16 August, and will also visit Cambridge, Mass.; Ottawa; Toronto; Lemont, Ill.; Warrendale, Pa.; Oakridge, Tenn.; and Washington, D.C.

H. G. THORNTON, A. V. HILL, RUDOLPH PETERS, GEORGE TAYLOR, and D. C. MARTIN have been appointed by the Royal Society to attend the eighth General Assembly of the International Council of Scientific Unions, at the National Academy of Sciences, Washington, 2-6 October.

C. KINNEY HANCOCK, professor of chemistry at the Agricultural and Mechanical College of Texas, has received the 1958 award of \$1000 from the Association of Former Students of Texas A. and M. This award is given in recognition of research performed in addition to duties as a teacher.

A bronze plaque commemorating 38 years of outstanding service to Cornell University by emeritus professor WALTER C. MUENSCHER was dedicated recently at the university. Muenschner is an internationally known specialist in weeds and poisonous plants.

C. D. SHANE, director of the University of California's Lick Observatory at Mount Hamilton, has retired from the directorship after 13 years of service. His successor is ALBERT E. WHITFORD, director of the Washburn Observatory at the University of Wisconsin.

JAMES A. OLIVER has been appointed director of the Bronx Zoo. He had been curator of reptiles at the zoo since 1 September 1951, and assistant director since 28 April of this year.

EDWIN H. ELLISON, professor of surgery at Ohio State University College of Medicine, has been appointed professor and director of the department of surgery at Marquette University School of Medicine.

Recent Deaths

CONDIT W. CUTLER, New York, N.Y.; 69; professor of clinical surgery at Columbia University, 1947-54; director of surgery at the Goldwater Memorial Hospital on Welfare Island, 1939-53; specialist in surgery of the hands and joints; author of *The Hand: Its Diseases and Disabilities*; 6 July.

GRAHAM L. DAVIS, Morehead City, N.C.; 65; director of the division of hospitals for the W. K. Kellogg Foundation; president of the American Hospital Association 1945-48; 4 July.

ROBERTO FRANCO, New York, N.Y.; 84; founder and first president of the University of Los Andes, Bogotá; specialist in research on tropical diseases in North Africa and Colombia; 5 July.

FELIX FRISCH, Trenton, N.J.; 78; chief of neurology at McKinley Hospital; performed research in epilepsy on the staff of the New Jersey Neuropathic Institute in Skillman, 1938-45; former chief of neurology at the Rothschild Hospital in Vienna, Austria; 5 July.

MANUEL HERSCHDORFER, South Orange, N.J.; 61; head of the department of mathematics of Seton Hall University; taught at Johns Hopkins University and at Amherst College; 6 July.

NELSON S. MAYO, Highland Park, Ill.; 91; former professor of veterinary medicine; retired export manager for Abbott Laboratories; former staff member at Kansas State College, Connecticut State College, and Virginia Polytechnic Institute; 5 July.

SAMUEL T. YUSTER, Los Angeles, Calif.; 54; professor of engineering at the University of California, Los Angeles; former chairman of the petroleum engineering department at Pennsylvania State University; performed research on the production of petroleum and on the reduction of smog by altering automobile exhausts; 3 July.