submitted by deans, executive officers, or department heads *before 15 Apr.* Note change in deadline from previous years.

Further information about both programs may be obtained from the Director of Professional Education, American Cancer Society, Inc., 521 W. 57 St., New York 19, N.Y.

Harvard-Guggenheim Aviation Center

The Harvard-Guggenheim Center for Aviation Health and Safety has been established at Harvard University's School of Public Health in Boston, Mass. The center, made possible by a grant of $250,000 from the Daniel and Florence Guggenheim Foundation that is to be allocated over a 5-year period, will begin operation with the start of the 1957–58 academic year under Ross A. McFarland, associate professor in the department of industrial hygiene. Two Daniel and Florence Guggenheim fellowships of $5000 each will be awarded annually for graduate study at the center. Applications for these fellowships are now being received and considered.

The Harvard-Guggenheim Center will have three basic purposes: to unify basic research into the sharply increasing human problems to the jet era; to give advanced training to physicians, biological scientists, and aeronautical engineers; and to serve as a clearinghouse for technical information on aviation health and safety. It will apply the interdisciplinary or team approach, coordinating the work of such diverse specialists as engineers, physicians, psychologists, physiologists, and anthropologists in solving problems of health and safety in flight.

Nuclear-Powered Merchant Ships

The Atomic Energy Commission and the Maritime Administration have announced a joint long-range program aimed at developing reactor systems for commercially competitive power for merchant ships. This program is in addition to the work now in progress on the first nuclear-powered merchant ship, announced by the President last October.

Museum Butterfly Book

American institutions and publishers of scientific books have fallen far behind the rest of the world in the publication of high-quality color illustrations. This deficiency has prompted the American Museum of Natural History to sponsor publication of *Butterflies of the American Tropics, the Genus Anaea,* by William Phillips Comstock.

The tremendous cost of reproducing the 30 color plates that are planned makes it necessary that the museum, a nonprofit institution, obtain in advance an indication of the demand for such a book. The museum does not expect to recover the full cost of publication. If the response is sufficient to show that a reasonable amount of the expense will be subscribed, the book will be published; should the response be insufficient, the museum reserves the right to return all money received through advance appeal.

All those who want this book and who wish at the same time to aid the museum in this advancement in scientific publication, are urged to send in orders soon. The prepublication price of the book is $20 (after publication, $25). For further information, write to the American Museum of Natural History, Central Park West at 79 St., New York 24, N.Y.

Fermi Professorship

Plans to endow an Enrico Fermi distinguished service professorship at the University of Chicago in memory of the renowned nuclear physicist have been announced by M. J. Kelly, president of Bell Telephone Laboratories, who is chairman of a national committee to establish the professorship.

The new chair, which will be in the university's Institute of Nuclear Studies, is designed to perpetuate and memorialize Fermi's scientific contributions. He was both teaching and conducting research at the institute at the time of his death in 1954.

Serving with Kelly are Walker L. Cisler, president of Detroit Edison Company; Crawford H. Greenewalt, president of E. I. du Pont de Nemours and Company; and Lewis Strauss, chairman of the U.S. Atomic Energy Commission. Questions should be addressed to W. V. Morganstern of the University of Chicago, or W. Fuller, Bell Telephone Laboratories, 463 West St., New York, N.Y.

Behavioral Science Research

The Air Force Office of Scientific Research, Behavioral Sciences Division, has contracted with the University of New Mexico for the establishment of a behavioral science research program. This program is visualized as both immediate and long-range in its objectives. The immediate objective is to bring together for preliminary conference, people of demonstrated interdisciplinary research ability for the purpose of considering research problems and designs in behavioral science problem areas of special importance to the Air Force.

Selected participants will be invited to assemble at the University of New Mexico for an 8-week period from 17 June to 10 Aug. 1957. As a result of this conference, it is hoped that continuous and extensions of the more promising exploratory work will be pursued.

Student Engineers

A program to help alleviate the shortage of trained engineers has been inaugurated by Fairchild Engine Division of Deer Park, Long Island, in cooperation with the University of Cincinnati; University of Detroit; Antioch College, Yellow Springs, Ohio; Georgia Institute of Technology, Atlanta, Ga.; Drexel Institute of Technology, Philadelphia, and Northeastern University in Boston.

The objective is to combine, in 5 years, 4 years of college education and 2 years of actual experience in aircraft power plant design and development. The plan calls for alternating periods of employment at the engine division plant as a regular employee in any one of the engineering groups, with classroom work at one of the participating engineering schools. The student must be employed in a field related to his academic courses.

Beckman Berkeley Division Expands

A $1-million expansion program that will triple production capacity and increase plant personnel by nearly 1000 has been announced by the Berkeley Division of Beckman Instruments, Inc. Ground-breaking for the first unit of the project is scheduled within 2 months on a recently acquired 6-acre site adjacent to Berkeley's present factory in Richmond, Calif.

Zoological Nomenclature

The International Commission on Zoological Nomenclature gives notice that beginning 25 July it will start voting on the following cases involving the possible use of its plenary powers for the purposes specified. Full details were published on 25 Jan. 1957 in the *Bulletin of Zoological Nomenclature* (Vol. 13, Pt. 1): (i) *bullata* Müller (O.F.), 1776 (*Akera*), validation (Cl. Gastropoda); (ii) *bengalensis* Daudin, [1802] *Tupinambis*) and *salvator* Laurenti, 1768 (*Stellio*), validation (Cl. Reptilia); (iii) *Bithys* and *Chrysophanus* Hübner, 1818 (Neotropical Theclids), suppression (Cl. Insecta, Order Lepidoptera); (iv) *Cephalomutilla* André, (1908), designation of type species (Cl. Insecta, Order Hymenoptera); (v) *Aurelia* Lamarck, 1816, validation (Cl. Scyphozoa); (vi) *Indiana* Matthew, 1902, designation of type

species (Cl. Crustacea, Order Ostracoda).

Comments should be sent as soon as possible, and in duplicate, to the secretary of the commission, Francis Hemming, 28 Park Village East, Regent's Park, London, N.W.1, England.

Alaskan Mountain Laboratory

The Department of the Interior has reported that a cosmic-ray research station is to be built on the plateaulike summit of Mount Wrangell, Alaska, an area that is from 13,600 to 13,800 feet above sea level and considered ideal for high-altitude research. Interior has approved a Bureau of Land Management order reserving 640 acres of public lands for the station, which will be used by the University of Alaska and other universities and scientific groups.

Plans for Accelerator

A 3×10^9 volt, high intensity-proton accelerator, which is to be built at the James Forrestal Research Center at Princeton University, is now in the final planning stage. Financed in large part by the U.S. Atomic Energy Commission, the accelerator will be used under the joint administration of Princeton and the University of Pennsylvania for unclassified basic research.

The new machine is expected to produce heavy mesons in much larger quantities than has so far been possible. The study of these and other particles produced in the accelerator may throw additional light on the question of parity conservation.

The machine will consist of an alternating-current electromagnet, measuring some 80 feet in diameter and weighing 400 tons, with a rate of cycling 100 times that of the Brookhaven cosmotron. At peak energy the rotating beam of protons will be directed at target nuclei, thereby creating an intense shower of heavy mesons, which will be studied by cloud and bubble chambers, photographic emulsions, and scintillation counters.

March Scientific Monthly

Articles appearing in the March issue of *The Scientific Monthly* are: "An international observatory," J. B. Irwin; "Silverfish, a paper-eating insect," R. Lasker; "Jungle brimstone," W. Haynes; "Scientists through adolescent eyes: what we need to know, why we need to know it," D. N. Michael; "Meteorology in the International Geophysical Year," H. Wexler. Nine books are reviewed.

Scientists in the News

PERRY W. GILBERT, professor of zoology at Cornell University, has been appointed a Guggenheim fellow and will be on leave during the spring term. Until 1 May he will be at the Lerner Marine Laboratory, Bimini, Bahamas, where he will investigate the morphology and physiology of the reproductive tract of representative elasmobranch fishes. This study is expected to extend over a 2-year period and is supported in part by a grant from the National Science Foundation.

KENNETH H. KINGDON, who first joined the General Electric Research Laboratory's staff in 1920, has been appointed manager of the laboratory's Project Analysis Section. The section will evaluate certain specific research projects from both technical and economic viewpoints. It will also participate in general company studies with the objective of bringing a contribution from physical science to those studies. Previously Kingdon has served as manager of the technical department of the Knolls Atomic Power Laboratory and manager of nucleonics and radiation research at the G.E. Research Laboratory.

ROY C. NEWTON, vice president of Swift and Company, Chicago, Ill., will receive the 1957 gold medal of the American Institute of Chemists for his leadership in food technology. The presentation of the medal will be made at the 1957 annual meeting of the institute, which is to be held at the Sheraton-Mayflower Hotel, Akron, Ohio, 22–24 May.

Newton has helped to build a research staff at Swift's that has developed hundreds of improved forms of food and food products. His personal research has contributed many processes to the food industries. In addition, under his direction, a program of Swift research fellowships has been extended to numerous colleges and universities.

Rev. Dr. HANS HOFMANN, both a theologist and a psychologist, will direct a 5-year study at the Harvard Divinity School to develop mental health training for future ministers. Hofmann has been appointed associate professor of theology, effective 1 July. He is now on the faculty of the Princeton Theological Seminary.

He will conduct a study at Harvard to develop a curriculum in religion and mental health suitable for Protestant theological schools. Similar studies will be conducted at Loyola University in Chicago and at Yeshiva University in New York. The studies are supported by the U.S. Department of Health, Education, and Welfare.

ERNEST WEBER, former director of the Microwave Research Institute, at the Polytechnic Institute of Brooklyn, has been appointed to Polytechnic's newly created administrative position of vice president for research.

On recommendation of the Committee on School Science of the American Academy of Arts and Sciences, the Elizabeth Thompson awards for outstanding science teaching in the secondary schools of New England have been presented to the following: GLENN E. AIKEN, Montpelier High School, Montpelier, Vt.; THEODORE P. EMERY, Gould Academy, Bethel, Me.; HELEN B. GREEN, Weston High School, Weston, Mass.; Sister MARY CATHERINE LABOURE, Girls Catholic High School, Malden, Mass.; PAUL W. LEGGE, Maine Central Institute, Pittsfield, Me.; EDWARD A. MOBERG, Watertown High School, Watertown, Conn.; DOUGLAS SANDS, Wellesley Junior High School, Wellesley, Mass.; ELSIE SCOTT, Northfield School, Northfield, Mass.

HERBERT C. S. THOM, for the past 2 years chief climatologist of the President's Advisory Committee on Weather Control, has returned to his former position in the Office of Climatology, U.S. Weather Bureau, Washington, D.C.

SAM C. HITE, former associate professor of chemical engineering at Purdue University, has been selected to head a new department of chemical engineering at the University of Kentucky.

ELIAS BURSTEIN of the Naval Research Laboratory, Washington, D.C., has been awarded the Washington Academy of Sciences' annual award for scientific achievement in the physical sciences. The award was made to Burstein "in recognition of his distinguished study of impurity levels and effective electron masses in semi-conductors."

Since joining the staff of NRL, where he is now head of the physics section of the crystals branch, he has been doing research on nonmetallic crystals. In recent years he has been concerned with the properties of semiconductor materials used in transistors and photoconductors.

KENNETH L. HERTEL, head of the department of physics at the University of Tennessee, has been assigned as full-time director of the university's Textile Research Laboratory, a regional laboratory supported by the U.T. Agricultural Experiment Station and the U.S. Department of Agriculture. ALVIN H. NIELSEN has succeeded Hertel as head of the department of physics.