

and engineering, find their services eagerly sought after by various federal agencies. A considerable part of the pressure for clear guidelines on conflicts of interest originated with these specialists because of their understandably unhappy feeling that their response to the government's appeal for their services might put them in a position where the propriety of their roles would appear questionable.

The guidelines that existed up to this week were based largely on an 1864 statute which had nothing to say about part-time employees and which sought to deal with conditions utterly remote from the intimate relationship that has developed between the federal government and industry, science, and education. Thus, under the basic statute, any government employee is prohibited from receiving compensation from *anyone* doing business with the government; this was modified in legislation applying to a number of agencies, including the Defense Department and the Atomic Energy Commission, to prohibit a consultant from advising an agency on matters in which he has an interest. Defense, which is the largest purchaser of consulting services, has let its need for expert advice outweigh its interest in compliance with all the niceties of the regulations; the AEC, on the other hand, has hewed strictly to the rule, with the result that its advisers may not serve as consultants to firms doing business with the commission.

Under the policy issued by the Administration, the agency directors bear the burden of assuring compliance with the regulations. These specifically prohibit a consultant from performing any governmental duty involving firms from which he draws compensation or in which he has any financial interest; nor may he give any advice, presumably to the government or a firm in which he has an interest, which will have a "direct and predictable effect upon the interests" of the firm.

The policy prohibits a consultant from exploiting "inside information" for personal gain or from accepting employment offers that he has reason to believe are motivated by his government position, unless he resigns that position.

Finally, consultants, when they are first employed by the government, must furnish a statement of their financial interests and must keep the statement up to date.—D.S.G.

Announcements

A **neurological and sensory disease service** has been established by the U.S. Public Health Service to develop and support community activities in the prevention, diagnosis, treatment, and rehabilitation of patients with central nervous system disorders. Under the direction of Eugene H. Guthrie, of the PHS bureau of state services, the new unit will provide consultation, demonstration, and education services to communities, directly and through grants; and will conduct surveys on the personnel and facilities needed to promote the use of techniques employed in handling such disorders.

A bibliography on the **effects of nuclear explosions** on structures and protective construction has been compiled by the U.S. Atomic Energy Commission. References to literature on structures in Hiroshima and Nagasaki are included. (Office of Technical Services, Department of Commerce, Washington 25, D.C. Order TID-3092. \$1.50)

The Republic of Ghana and the U.S. Public Health Service have completed plans to establish a joint **medical research laboratory**. Ghana's National Institute of Health and Medical Research will provide housing and laboratory facilities for U.S. scientific and technical personnel, who will concentrate on Ghana's major disease problems—malaria, tuberculosis, leprosy, malnutrition, tropical anemias, hypertension, and cancer.

Courses

An undergraduate summer institute in **space physics**, sponsored by Columbia University, will be held from 2 July to 10 August in New York. Selected applicants, predominantly students entering their senior year, will receive scholarships covering tuition, subsistence, and travel expenses, through a Federal Space Agency grant. Deadline: *1 March*. (Robert Jastrow, Summer Institute for Space Physics, Columbia University, New York 27)

Intensive laboratory courses in **bacterial genetics**, **bacteriophage**, and **animal viruses** will be offered at Cold Spring Harbor, N.Y., during the summer of 1962. Postdoctoral fellows, re-

search workers in other fields, and advanced graduate students are eligible. Screening of applicants will begin in April. (Director, Long Island Biological Association, Cold Spring Harbor, N.Y.)

Meeting Notes

A symposium and workshop on **biologistics for space systems**, sponsored by the Air Force Aerospace Medical Research Laboratories, will be held in Dayton, Ohio, from 1 to 3 May. Technical sessions will cover algal gas exchange systems, higher plants and nutritional support in bioregenerating systems, photosynthetic mechanisms, and waste regeneration. (Col. Andres I. Karstens, AMRL, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio)

A symposium on recent advances in **acarology** will be held from 26 to 29 March in Ithaca, N.Y. The program will cover acarine physiology, biochemistry, bionomics and control, and toxicology; disease transmission; behavior; and techniques for the handling, rearing, and testing of the acarina. (J. Naegele, Department of Entomology, Cornell University, Ithaca, N.Y.)

Grants, Fellowships, and Awards

The National Association of Biology Teachers has initiated a national award for **high school biology teachers**. Each state winner will be a nominee for one of nine regional awards to be made. Deadline for applications submitted to the appropriate NABT state director: *15 March*. State selections will be made by 25 April, regional by 15 May. (Paul Klinge, Jordan Hall, Indiana University, Bloomington)

Applications are being accepted for a postdoctoral research associateship in **solar energy conversion**, sponsored by the Air Force Office of Aerospace Research. The award carries a stipend of \$8955 for a 1-year period, to begin after 1 July, and is renewable. The recipient will be employed at the Scientific Laboratory of the Air Force Directorate of Research Analysis at Holloman Air Force Base, New Mexico. (Fellowship Office, National Academy of Sciences, 2101 Constitution Ave., NW, Washington 25, D.C.)

A limited number of travel grants are available for scientists residing in the United States who wish to attend the **22nd International Congress of Physiological Sciences**, to be held in the Netherlands from 11 to 17 September 1962. Deadline: *15 March 1962*. (National Committee for the International Union of Physiological Sciences, Division of Medical Sciences, National Academy of Sciences, Washington 25, D.C.)

Information on submission of papers and registration for the congress may be requested from Ray G. Daggs, American Physiological Society, 9650 Wisconsin Ave., Washington 14, D.C.

The National Society for Crippled Children and Adults is administering fellowships in **training and counseling the severely handicapped**. Applicants for the \$400 awards, financed by the Alpha Gamma Delta international women's fraternity, must be professionally qualified persons whose responsibility includes vocational counseling and job placement of the handicapped. Deadline: *15 March 1962*. (Personnel and Reporting Service, NSCCA, 2023 W. Ogden Ave., Chicago 12, Ill.)

The National Science Foundation has announced that the next closing dates for receipt of **basic research proposals** in the life (biological/medical) and social sciences are *15 May* and *1 May*, respectively. Proposals received prior to these dates will be disposed of within approximately 4 months. Proposals received after these dates will be reviewed after the fall closing dates, *15 September* and *1 October*. (NSF, Washington 25, D.C.)

The U.S. Atomic Energy Commission is soliciting proposals for **biological, ecological, physiological, or radiobiological research** to be carried out at the Eniwetok Marine Biological Laboratory, located in the central Pacific. Candidates (male only) must obtain security clearance, and should submit proposals at least 3 months prior to the expected date of departure. (Robert W. Hiatt, University of Hawaii, Honolulu 14)

Postdoctoral fellowships in **marine organisms**, tenable for 1 year, are available at the University of Miami's Marine Laboratory. Stipends amount to approximately \$5000, with dependency allowances. (Charles E. Lane, Marine Laboratory, 1 Rickenbacker Causeway, Miami 49, Fla.)

Scientists in the News

Andrew Szent-Gyorgyi, of the Muscle Research Institute at Woods Hole, Mass., has been appointed professor of biophysics at Dartmouth Medical School's department of cytology, effective in April.

Recipients of the annual glycerine research awards presented by Glycerine Producer's Association, New York:

Basic sciences. **Orville S. Privett** and **Merle L. Blank**, of the University of Minnesota's Hormel Institute, for their development of a new micro method for determining the arrangement of fatty acids in glyceride compounds.

Product application. **Horton E. Swisher**, of Sunkist Growers, Inc., for his development of a glycerine-based syrup used for dehydrating citrus peel.

Recent awards of the Institute of the Aerospace Sciences:

Julius E. Harris, undergraduate at Virginia Polytechnic Institute; **Bernard H. Carson**, master's candidate at Pennsylvania State; and **Emmett A. Sutton**, doctoral candidate at Cornell, have won the 1961 Minta Martin awards for original aerospace engineering papers.

Arthur F. Merewether, superintendent of meteorology for American Airlines, has received the Robert M. Losey award for his work in the science of meteorology as applied to aeronautics.

Thomas D. Duane, ophthalmologist at St. Luke's Hospital in Bethlehem, Pa., and consultant to the Navy on the visual aspects of manned space flights, has been named professor of ophthalmology and head of the department at Jefferson Medical College, Philadelphia. He succeeds the late **Carroll R. Mullen**.

Paul J. Flory, of Stanford University, is the first recipient of the American Physical Society's high-polymer physics prize, sponsored by Ford Motor Company.

George Grimminger, former scientific assistant with the Air Force Directorate of Research, has joined Science Communication, Inc., in Washington, D.C., as a professional associate.

James M. Colville, of the Henry Ford Hospital in Detroit, has been appointed associate professor of medicine and assistant professor of microbiology at the University of Rochester.

Thomas A. Loftus, former associate professor at Jefferson Medical College, has been named professor and chairman of the department of psychiatry that has been established recently at West Virginia University.

Joseph A. Boyd, director of the University of Michigan's Institute of Science and Technology, has been named vice president and assistant to the president of Radiation Incorporated, Melbourne, Fla.

Wiley D. Ganey, director of operations control at Thiokol's rocket operations center, has been named a senior staff member of Operations Research's management systems division in Santa Monica, Calif.

Thomas C. Chalmers, former assistant clinical professor of medicine at Harvard Medical School, has been appointed professor of medicine at Tufts University School of Medicine. He will continue as a lecturer at Harvard.

Oliver Chance, medical director at St. Luke's Hospital in Dublin, Ireland, is serving a 6-month term as radiotherapist and visiting associate professor of radiology at Johns Hopkins Medical Institutions in Baltimore, Md.

Edward L. Brady, former U.S. scientific and technical adviser to the International Atomic Energy Agency in Vienna, has been appointed assistant chairman of the chemistry department at General Dynamics' General Atomic Division in San Diego.

Robert B. Ladd, former senior operations analyst for Johns Hopkins University, has been named director of operations research and systems analysis at Surveys and Research Corporation in Washington, D.C.

Dana Young, former dean of Yale School of Engineering, has been appointed technical vice president of Southwest Research Institute in San Antonio, Tex.

Thomas B. Crumpler, professor and chairman of the department of chemistry at Tulane University, has resigned from his administrative duties in order to devote his full time to teaching and research. He is succeeded as chairman by **Hans B. Jonassen**, professor of chemistry.