

pressure for raises for the numerous and well-organized postal workers is far stronger than that for scientific and professional employees.

For several years there has been a good deal of talk of the need for the government to pay higher salaries to its key employees, but politically it is very difficult to get a bill through Congress, and no real effort for a general revision of the upper pay scales has ever been made. Attempting to raise the pay scales for the top grades of federal employees runs into both the distaste of many Congressmen to authorize salaries as high as their own (\$22,500 a year), and the difficulty, close to a political impossibility, of giving raises to well-paid employees without giving substantial raises to the lower grades. Such a general raise would cost a great deal of money, probably more than Congress would approve even if the Administration recommended it. Behind these difficulties is the tendency among many Congressmen to assume that it would be virtually immoral to pay a man as good a salary for spending the taxpayers' money as he would be paid to work in a private corporation to help produce the national wealth from which the taxes are derived.

### Ultrahigh-Frequency Television

The Federal Communications Commission began operating an experimental ultrahigh frequency television station in New York this week. Because of the high buildings, New York is considered the most difficult place in the nation for a UHF station to operate effectively. The commission hopes to show that even under these adverse conditions UHF can provide service as good as that provided by the very-high frequency band. The 12 VHF channels are now almost fully used; the 69 UHF channels are for the most part unused. Large-scale development of educational and public-service television depends heavily on winning wider acceptance for UHF, and so opening up the spectrum of unused channels. In this connection, FCC chairman Newton Minow appealed to organizations interested in educational TV to organize a campaign in support of an FCC proposal to require manufacturers to equip all sets for UHF as well as VHF reception. The proposal got nowhere in Congress last session.

## Announcements

The Department of Health, Education, and Welfare has established a citizens **advisory committee to the Food and Drug Administration**. The 16-member committee, headed by political scientist George Y. Harvey, of the University of Missouri, will evaluate the amount and type of protection the FDA should furnish consumers for foods, drugs, therapeutic devices, cosmetics, and household chemical products; and the adequacy of present resources and changes needed to provide this protection.

A continuous **air-pollution monitoring program**, established by the U.S. Public Health Service, is being developed in eight cities—Chicago, Cincinnati, Detroit, Los Angeles, New Orleans, Philadelphia, San Francisco, and Washington, D.C. Special air-monitoring equipment, built by the PHS at a cost of \$300,000, will automatically measure and analyze levels of sulfur dioxide, nitric oxide, nitrogen dioxide, carbon monoxide, ozone, and total hydrocarbons and oxidants. The new stations, operated by specially trained employees of the participating cities, will also provide information on particulate pollutant concentrations, pollutants washed out of the atmosphere by rainfall, and measurements of local wind turbulence.

A **national rehabilitation research-training center** has been established at New York University by the U.S. Public Health Service. A \$390,000 installment has been granted by the PHS Office of Vocational Rehabilitation to cover the current academic year. In the future the office will supply an annual grant of \$500,000 to the university's Institute of Physical Medicine and Rehabilitation.

Copies of reports presented at the conference on curricula for **undergraduate majors in physics** (Denver, 13 Aug.–2 Sept.) have been made available. (Byron E. Cohn, University of Denver, Denver 10, Colo.)

Researchers with experience in **sea-water supply systems** are invited to submit papers for possible inclusion in a forthcoming publication sponsored by the Sandy Hook Marine Laboratory.

Contributors should describe their experiences in solving problems of design and operation of experimental marine aquaria, rather than give comprehensive accounts of complete systems. Deadline: *10 January 1962*. (John Clark, Sandy Hook Marine Laboratory, P.O. Box 428, Highlands, N.J.)

The first in a series of three 90-minute programs on **man's scientific frontiers in the space age** will be presented on NBC-TV on 24 November at 9 P.M. (EST). The biography of a hypothetical manned orbital flight, "Crossing the Threshold," will be based on material gathered from previous test or manned projectile flights. The program will emphasize the human side of the flight and its effect on participants, rather than the purely technical aspects.

The second program in the series, "At the Threshold," will examine the cost, feasibility, and timetable of America's space projects, including exploration of the moon.

A third program, "Other Thresholds," will explore and compare some additional scientific plans, objectives, and accomplishments in the United States.

Translation of three Soviet **journals** (*Problems of Hematology and Blood Transfusion; Journal of Microbiology, Epidemiology, and Immunobiology; and Problems of Virology*) has been discontinued by the National Library of Medicine's Scientific Translation Program. Commercial editions of these journals will be published independently by Pergamon Press, Headington Hill Hall, Oxford, England; and Royer and Roger, 1000 Vermont Ave., NW, Washington 5, D.C.

### Courses

The University of Wisconsin's **Engineering Refresher Institutes** will hold 2-day courses in civil engineering (9–10 Nov.), mechanical engineering (7–8 Dec.), and electrical engineering (11–12 Jan. 1962). The entire refresher series will be repeated in Milwaukee during the 1962 February to June semester. Initial registration for each course is \$25; any additional 2-day course in the series is \$15. (Cass F. Hurc, Engineering Refresher Institutes, University of Wisconsin, Madison)

## Meeting Notes

The annual symposium of the national medical, dental, and veterinary **consultants to the U.S. Air Force surgeon general** will be held on 2 and 3 November in Columbus, Ohio. Approximately 50 of the 73 civilian consultants, together with Air Force staff members and chiefs of professional medical services stationed internationally, will discuss the Air Force practitioner's role in international relations. (Ohio State University Information Service, 190 N. Oval Drive, Columbus 10)

The **7th Institute on Research Administration**, previously planned for 16–20 October 1961, has been rescheduled for 23–27 April 1962, in Washington, D.C. The theme of the program, sponsored by American University's school of government and public administration, will be "organizing for basic scientific research." (Lowell H. Hattery, Center for Technology and Administration, A.U., 1901 F St., NW, Washington 6)

The second annual meeting of West Germany's **Society for Economics and Social Sciences in Agriculture**, a newly founded association of agricultural economists and rural sociologists, was held in Stuttgart-Hohenheim from 9 to 13 October. Discussion sessions, stressing the importance and applications of econometric methods in agricultural economics research, were chaired by H. Ruthenberg (Department of Foreign Agriculture, Berlin-Dahlem), G. Weinschenck (Gottingen), K. Hage (Farm Management Department, Giessen), P. Meimberg (Giessen University), and H. Stöwe (Hamburg University). (Gesellschaft Wirtschafts-und Sozialwissenschaften des Landbaues, Giessen/Lahn, Landgraft-Philipp-Platz 4, Germany)

An international symposium on **volcanology** will be held from 9 to 19 May 1962 in Tokyo. The program will cover prediction of volcanic eruption and the relation between magmas and the nature of volcanic eruptions. Field trips are scheduled to Kyushu Island (5 days), Hokkaido Island (5 days), and Oshima Volcano (3 days). (American Geological Institute, 2101 Constitution Ave., NW, Washington 25, D.C.)

An international symposium on plastic and reconstructive **surgery of the eye and adnexa** will be held in New

York from 21 to 25 May 1962. The symposium will include surgical films and televised surgical sessions. Papers may be submitted in either English, French, or Spanish, and will be simultaneously translated upon presentation. Deadline for registration (USA and Canada, \$100; other countries, \$50): *1 December 1961*. (Richard Troutman, Manhattan Eye, Ear and Throat Hospital, 210 E. 64 St., New York 21)

A symposium on the cellular basis and etiology of late somatic effects of **ionizing radiations** will be held in London from 27 to 30 March 1962. (H. G. Kwa, Department of Natural Sciences, UNESCO, Place de Fontenoy, Paris 7°)

## Grants, Fellowships, and Awards

Full-time research fellowships, grants-in-aid, and student fellowships in **ophthalmology and related sciences** are available through the National Council to Combat Blindness. Deadline for applications for 1962–63 period: *1 March*. (Secretary, NCCB, 41 W. 57 St., New York 19)

The Office of Naval Research has established a contract program for basic research in **logistics** or related areas which provides \$10,000 individual support for 1 year, to be awarded on the basis of unpublished manuscripts on multistage inventory models and techniques. Equally acceptable are papers primarily in other areas, such as dynamic programming or queuing theory, which can be clearly related to either the development or use of multistage inventory models. Applicants may be students or graduates who obtained their last academic degree within the past 5 years. Deadline for receipt of manuscripts: *31 December 1961*. (Logistics and Mathematical Statistics Branch, ONR, Washington 25, D.C.)

Graduate and undergraduate scholarships in **conservation** are available through the National Wildlife Federation. Graduate students may obtain up to \$1000; undergraduates, who have completed at least 1 year of college, up to \$500. Deadline: *1 December 1961*. (Executive Director, National Wildlife Federation, 1412 16 St., NW, Washington 6, D.C.)

Contributions to science and research involving use of **copper, brass, or bronze** are being solicited for entry in the 1962 copper and brass achievement awards competition. First-prize awards of \$500 will be presented in two categories: industrial and architectural. Deadline for nominations: *31 March 1962*. (Copper & Brass Research Association, 420 Lexington Ave., New York 17)

Applications are being accepted for the 1962–63 James W. McLaughlin research fellowships in **infection and immunity**. Stipends are \$3600 for predoctoral and \$7500 for postdoctoral fellows, plus allowances. Applications should be submitted not later than 3 months prior to the date the fellowship is to become effective. (L. L. Salomon, McLaughlin Office, University of Texas Medical Branch, Galveston)

Organizations and individual investigators are invited to submit research proposals in **fluid mechanics** for inclusion in the Bureau of Ships' fundamental hydromechanics research program, administered by the Navy Department's David Taylor Model Basin. Proposals, directed toward fundamental problems in naval hydromechanics, should state the problem, the proposed method or methods for its solution, and the relationship of the problem to the needs of the Navy. Areas of interest include resistance, propulsion, stability, control, seakeeping characteristics, and radiation of underwater sound. Deadline for submission of proposals (4 copies): *15 March 1962*. (David Taylor Model Basin, Contract Research Administrator, Code 513, Washington 7, D.C.)

Applications are being accepted for the 1962–63 Boris A. Bakhmeteff research fellowship in **mechanics of fluids**. The study and research may be undertaken at an institution of the fellow's choice. However, the adequacy of the institution's facilities will have substantial influence in the selection of the fellow. The recipient must be a full-time graduate student who is a candidate for the master's or doctor's degree. A maximum stipend of \$3000 is expected to cover tuition, subsistence, and if necessary, a portion of the research expenses. Deadline: *15 February 1962*. (William Allen, School of Technology, City College of New York, New York 31)

## Scientists in the News

**Loren C. Eiseley**, anthropologist and provost of the University of Pennsylvania, has resigned his administrative post to accept a fellowship at Stanford's Center for Advanced Study in the Behavioral Sciences. He will return to the university in the fall of 1962 as professor of anthropology and the history of science. Eiseley is succeeded as provost by **David R. Goddard**, Keummerle professor of botany and director of the university's division of biology.

**Paul Rosbaud**, European editor for Interscience Publishers, is the first recipient of the American Institute of Physics' John T. Tate international medal, presented for "distinguished service to the profession of physics."

**Jens C. Clausen**, plant geneticist in the Carnegie Institution of Washington's plant biology department at Stanford, California, has been knighted by King Frederik IX of Denmark for "his outstanding contributions to science."

**Guy M. Pound**, professor of metallurgical engineering at Carnegie Institute of Technology, has been named Aluminum Company of America professor of light metals. He succeeds **Frederick Rhines**, who held the position from 1945 until 1959.

**Leroy G. Augenstine**, of Brookhaven National Laboratory, and **Barnett Rosenberg**, of New York University, have been appointed professor and associate professor of biophysics, respectively, at Michigan State University.

Recent awards of the Franklin Institute:

**Josiah L. Merrill, Jr.**, of Bell Telephone Laboratories, will receive the Edward Longstreth medal for his research on telephone transmission.

**Rudolf L. Mossbauer**, of California Institute of Technology, will receive an Elliott Cresson medal for his discovery of recoilless emission of gamma radiation.

**Detlev W. Bronk**, president of the Rockefeller Institute and of the National Academy of Sciences-National Research Council, has won the Franklin medal, the institute's highest award, for "his scientific leadership in biophysics."

**William Vogt**, national director of the Planned Parenthood Federation of America for the past 10 years, has resigned. He will continue as a member of the federation's board of directors.

The Public Health Service has announced the appointment of the following new members of the advisory committee on the U.S. National Health Survey—a continuing program established by the PHS to determine the amount and type of illness in the population, and to gather information on related health topics.

**J. Douglas Colman**, of the Associated Hospital Service of New York.

**Harry Hineman**, director of the actuarial division of Indianapolis (Ind.) Blue Cross-Blue Shield.

**John P. Lee**, member of the board of national missions of the United Presbyterian Church in New York.

**Daniel W. Pettingill**, chief actuary for Aetna Life Insurance Company in Hartford, Conn.

**Russell B. Roth**, member of the American Medical Association's council on medical services.

**Mary Weaver**, former consultant on medical assistance standards in the Social Security Administration.

**Donald Young**, president of the Russell Sage Foundation in New York.

**Roland W. Force**, curator of oceanic archeology and ethnology at Chicago Natural History Museum, has been appointed director of the Bernice P. Bishop Museum in Honolulu, Hawaii.

**John B. Rogerson**, senior research associate and lecturer at the Princeton University Observatory, has been appointed executive director of the observatory's space telescope program, aimed at spectroscopic observations of stars from sounding rockets and satellites.

**Isaac Schour**, dean of the University of Illinois college of dentistry, has received the 1961 Henry Spenadel award for "outstanding contributions to the advancement of dentistry or the dental profession."

**H. Clark Dalton**, former associate professor of biology at New York University's college of arts and sciences, has been appointed professor and chairman of the biology department at the university.

**Clifford S. Sato**, biochemist formerly associated with the U.S. Department of Defense's Division of Biochemistry in Japan, and with Argonne National Laboratory, has been named head of Cal-Atomic, a division of the California Corporation for Biochemical Research, in Los Angeles.

**Aden B. Meinel**, former associate director of the Kitt Peak National Observatory, has been appointed professor of astronomy in the University of Arizona's Steward Observatory and research professor at the university's Lunar and Planetary Laboratory.

**Crawford H. Greenewalt**, president of E. I. du Pont de Nemours & Company, is the 1962 recipient of the John Fritz medal, the highest honor of the engineering profession.

**Max S. Peters**, head of the division of chemical engineering at the University of Illinois, has been named dean of the University of Colorado College of Engineering.

## Recent Deaths

**G. C. J. Dalton**, 45; director of the Australian Atomic Energy Research Establishment; 17 July.

**Howard J. Daly**, 64; vice president and director of Norton Company, Worcester, Mass.; 7 Oct.

**George C. Engerrand**, 84; emeritus professor of anthropology at the University of Texas; 2 Sept.

**Walter R. Fallon**; specialist in obstetrics and gynecology; attending physician at St. Joseph and Cook County (Illinois) hospitals for 29 years; 31 July.

**William R. Larkin**; former chief of the medical staff at the University of Illinois Hospital, and retired staff member of the Columbus Hospital in Illinois; 16 July.

**George B. Rigg**, 89; emeritus professor of botany at the University of Washington; 10 July.

**Morton Scharff**, 34; physicist at the Copenhagen Institute for Theoretical Physics, Denmark; 15 Apr.

**E. Allan Williams**, 53; professor of physics at the University of California, Santa Barbara; 11 July.

**J. Edmund Woods**, 66; faculty member of Queens College department of physics for 23 years; 12 Aug.