

## Announcements

An enlarged 2-year **cultural exchange agreement** has been signed by the U.S. National Academy of Sciences and the Academy of Sciences of the U.S.S.R., enabling each to send 55 scientists on individual visits of varying length totaling 180 months. The initial agreement, signed in 1959, provided for the exchange of only 44 scientists for a total of 70 months.

Specific provisions call for exchange of 20 scientists, at least half of whom are members of their respective academies, to deliver lectures; 10 scientists to make 1-month visits to observe work in progress; and four to six scientists to conduct research for 5- to 10-month periods.

The inter-academy agreements are not exclusive instruments for exchanges, but are intended to supplement exchanges arranged by individual scientists and universities of each nation.

Stanford University's Hopkins Marine Station plans to acquire the schooner *Te Vega* for use as a "floating classroom" in **marine biology and oceanographic research**. Recently sailing in the West Indies as a pleasure yacht, the *Te Vega* will be transferred to Stanford in July on a long-term charter from Liberian Pacific Navigation Company. In addition to a crew of 15, the ship will carry three faculty members and 12 students from institutions throughout the country. An initial National Science Foundation grant of \$462,945, to cover conversion, outfitting, and year-round operation of the vessel, was authorized last year for the sailing yacht *Pioneer*, whose owner died before negotiations could be completed.

The program, headed by Rolf Bolin, assistant director of the station, will consist of three 11-week Pacific cruises each year, scheduled to begin by January 1963. Initial studies will include luminescence of various deep-sea creatures, fish migrations, oceanic food chains, and the biological economy of the deep-sea environment. Resulting collections and data will be made available for outside study.

A series of 11 half-hour **television programs** on "Exploration of the Universe," produced by the National Educational Radio and Television Center under a National Science Foundation grant, is scheduled for showing early in

1963 over the 67 affiliated NET stations. The series will be based on sessions in the study-discussion program of the American Foundation for Continuing Education.

A one-volume edition of the book of readings for the series, prepared by AFCE, is to be published by McGraw-Hill in January.

A **Swedish-Israel Foundation** has been established in Stockholm to promote scientific-cultural exchange and to give financial support to Israel. Hugo Theorell, a Nobel laureate and fellow of Israel's Weizmann Institute of Science (Rehovoth), is president.

### Meeting Notes

Papers are being solicited for the 2nd interscience conference on **antimicrobial agents and chemotherapy**, to be held in Chicago from 31 October to 2 November. Emphasis will be on research and new developments, including antibiotics, fermentation methods, taxonomy, isolation, purification, identification, and synthesis; also pharmacology, experimental infections and chemotherapy, and clinical aspects, including development of resistance and allergy. Papers must be based on material not previously published or presented at a national meeting. Deadline: *1 August*. (American Society for Microbiology, 19875 Mack Ave., Detroit 36, Mich.)

The Army's Diamond Ordnance Fuze Laboratories will sponsor a symposium on **fluid amplification**—computation and control without the use of moving parts—from 2 to 4 October in Washington, D.C. Attendance, limited to citizens of the United States, will be by invitation only. Deadline for submission of abstracts: *10 August*. (Public Information Officer, DOFL, Room 315, Bldg. 83, Washington 25, D.C.)

### Courses

A 2-week institute in **experimental stress analysis** will be offered from 10 to 21 September in Detroit, Mich. The course will cover theory and application of photoelasticity, including recent developments in photoelastic coatings (10–14 Sept.); and theory and application of bonded strain gages (17–21 Sept.). Enrollees should have a B.S. degree in engineering, or its equivalent. Tuition

is \$175 for one week and \$325 for both. (Joseph D. Hovanesian, Engineering Mechanics Department, Wayne State University, Detroit 2, Mich.)

The Helen Hay Whitney Foundation is offering 3-year research fellowships (subject to annual review) for investigation of **connective tissue diseases**, available to men and women up to the age of 35 who have M.D. or Ph.D. degrees. Annual stipends are \$6500, plus \$500 annual increment and \$500 for each dependent. A yearly contribution of \$1000 is made to the laboratory to help defray expenses.

A limited number of established-investigator awards (\$8500, plus \$500 increment and \$500 for each dependent), usually given to former Whitney research fellows, are available for 5-year support, subject to annual review. Deadline: *15 August*. (Dora E. Young, Helen Hay Whitney Foundation, 525 E. 68 St., New York 21)

An intensive 10-week training course in **health physics and radiation protection**, intended for state and local government personnel concerned with licensing and inspection functions in their states, will begin on 10 September at Oak Ridge, Tenn. Applicants must have a B.S. degree, or equivalent training and experience. Tuition will be paid by the Atomic Energy Commission; travel and living expenses will be the responsibility of the student or his sponsoring agency. Deadline: *1 August*. (State-AEC Relations Branch, Office of Radiation Standards, AEC, Washington 25, D.C.)

### Publications

The 7th in a series of publications surveying **Soviet literature on air pollution and related occupational diseases** is available in English from the U.S. Department of Commerce. Prepared by B. S. Levine under a grant from the Public Health Service, the 330-page book contains 60 papers dealing with the medical, chemical, physical, engineering, instrumentation, and other aspects of air pollution in Russian areas. (Office of Technical Services, USDC, Washington 25, D.C. \$5. Order 62–11103)

A bibliography on general and specific aspects of **plasma physics and magnetohydrodynamics**, covering the period

1953 through February 1962, is available from the U.S. Department of Commerce. In addition to references on theory, analysis, and instrumentation, the 267-page publication covers electron-ion collisions, electromagnetic waves, gas ionization, magnetic pinch effects, microwaves, plasma jets and sheaths, nuclear applications, re-entry aerodynamics, shock waves and tubes, propellants and propulsion, oscillations, and solar and extraterrestrial effects. (Office of Technical Services, USDC, Washington 25, D.C. \$2.75. Order AD 271-170)

## Scientists in the News

**Robert F. Loeb**, Bard professor of medicine emeritus, at Columbia University's College of Physicians and Surgeons, has received the 1962 John and Samuel Bard award in medicine and science, administered by Bard College, Annandale-on-Hudson, N.Y.

**John McK. Mitchell**, dean of the University of Pennsylvania School of Medicine since 1948, will retire in July. He will be succeeded by **Samuel Gurin**, professor and chairman of the department of biochemistry.

Recent editorial staff changes at *Science*:

**Joseph Turner**, associate editor, has joined the staff of Jerome Weisner, the President's science adviser.

**Howard Margolis**, news reporter, has joined the staff of Secretary of Defense McNamara.

**Robert J. Menzies**, associate professor of biology at the University of Southern California, has been appointed professor of zoology and oceanographic program director of the Marine Laboratory at Duke University.

**Charles B. Huggins**, professor of surgery and director of the Ben May Laboratory for Cancer Research at the University of Chicago, is the 1962 recipient of the American Therapeutic Society's Oscar B. Hunter award.

At National Aeronautics and Space Administration:

**John R. Biggs**, former director of procurement at Lewis Research Center in Cleveland, Ohio, will head the recently opened NASA management unit at North American Aviation's space and information systems division plant

in Downey, Calif. The new office was established to expedite development and testing of the Apollo lunar spacecraft and the second stage for the advanced Saturn booster.

**Raymond L. Bisplinghoff**, professor of aeronautical engineering at Massachusetts Institute of Technology, has been appointed director of NASA's office of advanced research and technology. He succeeds **Ira H. Abbott**, who retired in January.

At the University of Michigan:

**Frank E. Raymond**, associate professor of mathematics, will go on leave this fall to accept a visiting appointment at the University of California (Berkeley).

**Robert K. Ritt**, associate professor of mathematics, will accept a temporary appointment with the Conduction Corporation in Ann Arbor during the 1962-63 year.

**Andrew J. Berger**, associate professor of anatomy, will be on sabbatical leave during the second semester of 1962-63. Under a Guggenheim fellowship, he will summarize 15 years' research in the comparative anatomy of the avian muscular system.

**Richard L. Meier**, research social scientist at the Mental Health Research Institute and associate professor of conservation, is on leave until August 1963 as technical assistant for the United Nations in Indonesia.

**Gerald H. Bonnette**, a member of the U.S. Navy Dental Corps, will become associate professor of dentistry (oral surgery) at the University of Michigan. He succeeds **Emmett R. Costich**, who is resigning to join the University of Kentucky faculty.

The following faculty members of the University of Oregon Medical School will be on sabbatical leave during 1962-63:

**Nelson R. Niles**, associate professor of pathology, will be teaching at the Royal College of Surgeons' Institute of Basic Medical Sciences, London.

**James Austin**, associate professor of neurology, will be visiting neurologist at the All-India Institute of Medical Sciences, New Delhi.

**Benjamin B. Ross**, associate professor of physiology, will work at the Nuffield Institute for Medical Research, Oxford, England.

**David L. Gunberg**, associate professor of anatomy, will spend 2 years at the University of Airlangga Medical

School, Surabaya, Indonesia, helping to update the teaching program and techniques of the anatomy and histology departments.

Recent awards of the National Tuberculosis Association:

**John D. Steele**, chief of surgical service at the Veterans Administration Hospital, San Fernando, Calif., the Trudeau medal for work in surgical techniques and procedures.

**John H. Skavlem**, clinician and professor of medicine at the University of Cincinnati Medical College, the Will Ross medal for work in the local and national voluntary-health movement.

**George E. Pake**, professor of physics at Stanford University, will become provost of Washington University in September.

**James Boothe**, senior research chemist at Lederle Laboratories, has received the University of Minnesota's outstanding achievement award.

Recipients of the Manufacturing Chemists' Association's annual \$1000 awards for "outstanding college chemistry teaching":

**Reuben B. Sandin**, of the University of Alberta, Edmonton.

**John Franklin Baxter, Jr.**, of the University of Florida, Gainesville.

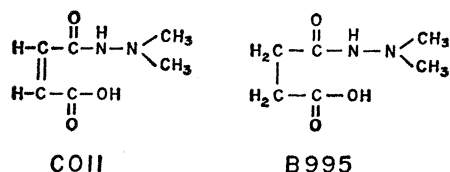
**James A. Campbell**, of Harvey Mudd College, Claremont, Calif.

**Carl M. Hill**, of Tennessee Agricultural and Industrial State University, Nashville.

**Harold A. Iddles**, of the University of New Hampshire, Durham.

**Gerrit Van Zyl**, of Hope College, Holland, Mich.

**Erratum:** In the report "Retardation of plant growth by a new group of chemicals" by J. A. Riddell, H. A. Hageman, C. M. J'Anthony, and W. L. Hubbard [*Science* 136, 391 (4 May 1962)], the first sentence of the text is ambiguous and the structural formulas are incorrect. The first two sentences should have read: "N-dimethylaminomaleamic acid (CO11) and N-dimethylaminosuccinamic acid (B995) retarded the growth of a variety of plants . . . when applied as a spray to foliage. Their structures are:



**Erratum:** In "Scientists in the news" [136, 641 (18 May 1962)] the first appointment to the University of Rochester staff should have listed Harry E. Gove (not Grove), who is head of the nuclear structure laboratory at Chalk River, Ontario. His appointment becomes effective 1 September 1963, not 1962.