Announcements

Designs for an unmanned **acoustics research vessel** have been completed by the U.S. Naval Ordnance Laboratory. The 350-foot vessel, to be called *SPAR* (Seagoing Platform for Acoustics Research), is essentially a 16-foot diameter steel tube that will be used to measure the speed and intensity of underwater sound transmission down to 300-foot depths. During operation, a tending ship remotely floods the stern of the vessel, making it swing down and settle in a vertical position with only 50 feet protruding above the surface. Underwater listening devices, thermometers, pressure gages, and instruments for determining the amount of salt in the surrounding sea will be attached on the exterior hull, while operating machinery and additional instruments will be housed in the upper section. The vessel will relay research data to the tending ship by electrical cable, and will receive underwater sonar signals and above-water radar signals from a transmitting ship.

SPAR, designed for use in the Atlantic, is a counterpart to another vessel being developed for use in the Pacific by the Office of Naval Research, in cooperation with Scripps Institution of Oceanography. However, the Pacific Vessel, called *FLIP* (Floating Instrument Platform), will be manned and will be allowed to drift with the wind and currents.

A Soviet study of **metallography and the physics of metals**, translated by the U.S. Air Force Technical Information Center, claims that radioactive tracer methods have enabled Soviet researchers to compile "a large body of experimental material" on various problems in the field. A report on the results of these studies, according to the editors, was submitted in 1955 to the Geneva conference on the peaceful uses of atomic energy.

The two-volume publication includes the proceedings of a symposium sponsored by the U.S.S.R.'s Institute of Metallography and the Physics of Metals. (Office of Technical Services, Department of Commerce, Washington 25, D.C. Order No. 61-11156. $7)

The National Institutes of Health has formed a **lipid advisory committee** to stimulate increased production and quality of lipid research compounds manufactured by private laboratories. The action follows the National Advisory Heart Council's recognition of growing needs for pure compounds in kilogram quantities, pure radioactive compounds of high specific activity, and reference standards for gas chromatography and other laboratory purposes. Through contracts with private laboratories, the committee hopes to provide investigators with lipid research materials not presently available in sufficient quantity at reasonable prices. The eventual goal is to put commercial production of the compounds on a self-sustaining basis.

Antarctic research proposals for the 1962–63 field season are now being accepted by the National Science Foundation. Proposals should be for aurora and airglow, biology and medicine, cosmic rays, geodesy and cartography, geology, geomagnetism, glaciology, gravity, ionospheric physics, meteorology, oceanography, seismology, or other research pertinent to Antarctica. Staff members of the foundation's Office of Antarctic Programs are available for informal discussions of proposals prior to their final submission. Deadline: *15 February 1962*. (Director, NSF, Office of Antarctic Programs, Washington 25, D.C.)

The Asia Foundation's **Books for Asian Students** program needs scientific and technical books or journals (in runs of 5 years or more) published after 1945. Books should be in good condition, and on the university, college, or secondary level. The foundation will pay shipping costs from the donor to San Francisco, and thence to Asia. (Books for Asian Students, 21 Drumm St., San Francisco 11)

A heart-lung laboratory to study space-flight stress in man has been established at Wright-Patterson Air Force Base. The laboratory, founded by the Indiana University Foundation under a grant from the U.S. Air Force Systems Command, will investigate effects of prolonged accelerations, heat, altitude, vibration, impact, and combinations of these stresses on both human and animal subjects. The new unit will also sponsor seminars in cardiopulmonary physiology to exchange ideas with other leaders in the field. (S. Carroll High, Jr., Aeronautical Systems Division, Wright-Patterson AFB, Ohio)

Courses

The U.S. Public Health Service will conduct the following related courses during 1962 at the Robert A. Taft Sanitary Engineering Center:

Medical aspects of radiological health; 8 to 19 January.

Basic radiological health; 15 to 26 January. This course will be repeated at the center from 23 April to 4 May; at the Southwestern Radiological Health Laboratory in Las Vegas from 26 February to 9 March; and at the Radiological Health Laboratory in Rockville, Md., from 7 to 18 May.

Radioactive pollutants in air; 29 January to 2 February.

Radioactive pollutants in water; 5 to 9 February.

Radionuclides in water; 12 to 16 February.

Participants in the air and water courses should have completed the basic radiological health course, or equivalent training, prior to enrollment. (Chief, Training Program, Taft Sanitary Engineering Center, 4676 Columbia Parkway, Cincinnati 26)

A graduate program leading to a Master of Science degree in **hospital pharmacy administration** has been established at the Brooklyn College of Pharmacy in New York. Courses will be given during the evening hours so that internship training or regular hospital employment may run concurrently with academic instruction. (Arthur G. Zupko, Brooklyn College of Pharmacy, 600 Lafayette Ave., Brooklyn 16)

Chemists, metallurgists, physicists, production supervisors, and quality control engineers are invited to attend the 41st Norelco **X-ray Analytical School**, to be held in New York from 5 to 9 February 1962. The course, sponsored by Norelco Instruments, will cover x-ray diffraction, diffractometry, and spectrography. There is no charge for attendance, but capacity is limited. (Norelco Instruments, 750 S. Fulton Ave., Mount Vernon, N.Y.)

Grants, Fellowships, and Awards

An international award in **plastics science and engineering** has been established by the Society of Plastics Engineers to stimulate fundamental contributions and acknowledge outstanding achievements in the field. The $1000

award will be presented annually "without regard to sex, age, nationality, or membership in the SPE." The initial presentation will be made during the society's 18th annual technical conference, to be held in Pittsburgh from 30 January to 2 February 1962. (SPE, 65 Prospect St., Stamford, Conn.)

Grants-in-aid of **health service projects** are available to public and nonprofit agencies through the U.S. Public Health Service. Types of projects eligible for aid include home nursing services for the chronically ill and aged, improvements in the care given to patients in nursing homes, and programs for making a variety of therapeutic and other services available to patients in their own homes. Preference will be given to those projects that will be partially financed by the applicants, and to those that are likely to be continued after federal aid is withdrawn. (Grants Management Branch, Bureau of State Services, PHS, Washington 25, D.C.)

Teaching and research assistantships, or 3-year graduate fellowships in **statistics**, are available for the 1962–63 academic year. (R. A. Bradley, Department of Statistics, Florida State University, Tallahassee)

Applications are now being accepted for the two Turtox scholarships in **botany, zoology, or biology** for the 1962–63 academic year. The $5000 awards, established by General Biological Supply House, Inc., will be based upon the applicant's prospects as a teacher and research scholar. Applicants must be currently, or have been, enrolled in a graduate school and studying for a doctoral degree in one of these fields. Deadline: *1 February 1962*. (Frank A. Brown, Jr., Department of Biological Sciences, Northwestern University, Evanston, Ill.)

Graduates in biology, chemistry, engineering, and physics are invited to apply for U.S. Atomic Energy Commission fellowships in **health physics**. Appointees perform 9 months of academic work at one of eight selected universities, followed by 3 months of field work at an AEC national laboratory. Stipend is $2500 for 12 months, plus tuition, fees, and allowances. Deadline: *1 February 1962*. (Health Physics Fellowship Office, Oak Ridge Institute of Nuclear Studies, P.O. Box 117, Oak Ridge, Tenn.)

Scientists in the News

Recently elected foreign members of the Royal Society of London:

Solomon Lefschetz, director of the Martin Company's center for differential equations in Baltimore, Md.

Elmer V. McCollum, emeritus professor of biochemistry at Johns Hopkins.

Olaf Holtedahl, emeritus professor of geology at the University of Oslo (Norway).

A. N. Nesmeyanov, former president of the U.S.S.R. Academy of Sciences in Moscow.

Ralph E. Knutti, associate director for extramural programs at the National Institute of Arthritis and Metabolic Diseases, has been appointed director of the National Heart Institute. He succeeds **James Watt**, recently named chief of the Public Health Service's division of international health.

Herbert L. Haller, assistant to the administrator of the Agricultural Research Service in the U.S. Department of Agriculture, will receive the 1961 Charles F. Spencer award for "outstanding achievement in the field of agricultural and food chemistry." The $1000 award, established by the late founder of Spencer Chemical Company in Kansas City, Missouri, is administered by the American Chemical Society's Kansas City section.

A. A. Dougal, of the University of Illinois, has been named professor of electrical engineering at the University of Texas.

Reavis Cox, of the University of Pennsylvania; **George Katona**, of the University of Michigan; and the late **Charles C. Parlin**, former manager of the American Marketing Association, are the recipients of the association's 1961 Paul D. Converse awards for "contributions to the advancement of science in marketing."

David P. Bloch, of Columbia University, has been appointed associate professor of botany at the University of Texas.

Milton M. Klein, plasma physicist and former consultant to the General Electric Company's missile and space vehicle department in Philadelphia, Pa., has joined the staff of the Geophysics Corporation of America.

G. C. Dacey, director of Bell Telephone Laboratories' solid state electronics research laboratory, has been appointed vice president of research for Sandia Corporation in Albuquerque, New Mexico.

G. S. Fraenkel, professor of entomology at the University of Illinois, recently became the third American to be elected honorary fellow of the Royal Entomological Society of London.

John A. Pople, of the National Physical Laboratory in Teddington, England, has been named Ford visiting professor of chemistry in Carnegie Institute of Technology's college of engineering and science.

Robert E. Snodgrass, honorary research associate of the Smithsonian Institution, has received the 1961 Leidy medal for his work in the morphology and evolution of insects. The award is presented triennially by the Academy of Natural Sciences.

F. S. Dainton, of the University of Leeds (England), has been named George Fisher Baker lecturer in chemistry at Cornell University for the 1961 fall term.

Morton I. Goldman, former nuclear installations consultant for the Public Health Service's division of radiological health, has joined Nuclear Utility Services, Washington, D.C.

Robert Galambos, chief of neurophysiology at Walter Reed Army Medical Center, has been appointed Eugene Higgins professor of psychology at Yale University.

William M. Upholt, former regional representative for the U.S. Public Health Service's Communicable Disease Center in San Francisco, has been appointed chief of the research grants section in the service's office of resource development for environmental health, Washington, D.C.

The Helen Hay Whitney Foundation in New York has posthumously honored the late **William T. Astbury**, of the University of Leeds (England), for his studies on the molecular structure of fibrous proteins. Astbury was named fourth recipient of the foundation's T. Ducket Jones memorial award.