

ence, appears to qualify as a leader in one polar group in C. P. Snow's *Two Cultures*, the literary intellectuals. Certainly, Sartre has strongly influenced many writers on both sides of the Atlantic, but so have Darwin, Marx, and Freud and their followers. And just as the effect of science on philosophy has made it unlikely that the 20th century would produce another Hegel, with his grand and grandiose rationalist interpretation of reality, it may well be that Sartre represents a late flowering of what he calls the "bourgeois puritan individualism," which produced him and against which he rebelled.

—JOHN WALSH

Announcements

The Department of Commerce has announced the establishment of a **scientist exchange program** within the Department's technical bureaus. It is designed to afford staff scientists an opportunity to broaden their scientific, technical, and management abilities through 9-month assignments at different bureaus within the department. The scientists, in addition to working at new jobs, will be brought together for periods of study to include considerations of national and international issues involving science and technology.

Meeting Notes

Papers are being solicited for a seminar on **Fatty Acids**, scheduled 3–6 February at the Regional Research Laboratory, Hyderabad-9, India. It will be sponsored by the Council of Scientific and Industrial Research. Topics to be covered include recent advances in the field of fatty acids and their derivatives. Deadline for 5-page abstracts: *30 November*. (G. Satyanarayana Rao, Council of Scientific and Industrial Research, Regional Research Laboratory, Hyderabad-9, India)

Grants, Fellowships, and Awards

Travel grants are available to help U.S. scientists attend the 23rd international congress of **physiological sciences**, scheduled next 1–9 September in Tokyo. The allotments will cover round trip charter or group jet fares. Preference will be given younger scientists and persons presenting com-

munications. Deadline for receipt of applications: *1 January*. (USA National Committee, International Union of Physiological Sciences, Room 256, 2101 Constitution Avenue, NW, Washington 20418)

The Medical Research Council of Sweden is offering two postdoctoral fellowships for a year's training in **biomedical sciences** in Swedish research institutions beginning in the fall of 1965. The fellowships, made available through the National Institutes of Health, offer training in either a basic or clinical field related to health, as well as a choice of Swedish institutions. Stipends have been set at two levels equivalent to salaries paid Swedish associate professors (30,000 Swedish crowns: approx. \$6,000) and assistant professors (25,000 Swedish crowns). U.S. citizens who have been engaged in research in the U.S. for at least two of the past four years may apply. Deadline for receipt of applications: *1 January*. Information and forms are available from: Chief, Career Development Review Branch, Division of Research Grants, NIH, Bethesda, Md.

Applications are currently being accepted for two **Turttox Scholarships** for the 1965–66 academic year. The scholarships, established by General Biological Supply House, Inc., carry a stipend of \$5000 each, and are open to any U.S. citizen who is, or has been, enrolled in a graduate school, and who plans to continue study for a Ph.D. in botany, zoology, or biology. Deadline for receipt of applications: *1 February*. (Frank A. Brown, Jr., chairman of the awards committee, Department of Biological Sciences, Northwestern University, Evanston, Ill.)

The U.S. Atomic Energy Commission has announced the availability of graduate fellowships in **nuclear science and engineering**. First, intermediate, and terminal year fellowships, with stipends of \$2400, \$2600, and \$2800, respectively, are being offered. They also carry an additional \$500 for a wife and each dependent. Other payments include tuition and fees, as well as an allowance for travel to the fellowship school, and applicants may choose one of 68 participating universities. Application deadline: *15 January*. (NSE Fellowship Office, University Relations Division, Oak Ridge Institute of Nuclear Studies, Oak Ridge, Tenn. 37831)

The Boris A. Bakhmeteff **research fellowship in fluid mechanics** is available through the Humanities Fund, Inc., New York. Applicants must be fulltime graduate students, working toward a master's or doctor's degree. The fellowship stipend is \$3600. The recipient may work at the institution of his choice, but may not hold any other fellowship. Deadline for receipt of applications: *15 February*. (W. Allan, School of Engineering and Architecture, City College of New York, New York 10031)

Publications

Boston University Observatory has announced the publication of a *Catalog of Lunar Craters*. The 106-page catalog is a digital map of 5 percent of the visible surface of the moon. Information listed for each crater in the catalog includes a sequence number, the crater name, the position coordinates, the diameter, a description of degree of definition and shape, special notes on physical structure, and the number of the photograph on which measurements were taken. The majority of craters listed in the catalog were positioned for the first time and are designated by number. Copies are available to space researchers. Applications for copies should be sent on institutional letterheads. (*Catalog of Lunar Craters*, Prof. G. S. Hawkins, Physics-Astronomy Department, Boston University, 700 Commonwealth Avenue, Boston, Massachusetts.)

The AAAS has announced publication of a new *Science Book List for Young Adults*. The 268-page annotated catalog of 1376 selected science and mathematics books for reference and collateral reading by secondary school students and college undergraduates replaces a similar 1959 list. (*The Science Book List for Young Adults*, AAAS Publications, 1515 Massachusetts Avenue, NW, Washington, D.C. 20005; \$2.50 paperbound, \$3.50 cloth)

The National Aeronautics and Space Administration has made available its recent publication, **"Unmanned Spacecraft of the U.S."** The 16-page booklet reviews the spacecraft which have been developed and flown, or are being developed in the U.S. by NASA: "scientific" satellites which are investigating the environment, and "application" sat-

ellites for weather observation and communications. Single copies are available free of charge. (Educational Publications Distributions Center, AFEE-1, NASA, Washington 25)

The U.S. Public Health Service has issued a revised version of **Air Pollution Publications**, a selected bibliography covering the years 1955-63. It includes publications by division of air pollution personnel and persons and organizations that have received federal air pollution control funds since July 1955. (Public Health Service publication No. 979, revised, U.S. Government Printing Office, Washington, D.C. 20402. 174 pages, \$1)

A limited number of copies of the **Proceedings of the Conference on Pre-Natal Irradiation Effects on CNS Development and Postnatal Behavior** are now available. The meeting, which took place in Washington, 4-6 October 1963, was devoted to discussions of U.S. and Russian research. Copies of the proceedings may be obtained free of charge from Jack Werboff, Jackson Laboratory, Hamilton Station, Bar Harbor, Maine 04609.

Scientists in the News

Nathan S. Kline, Director of Research, Rockland State Hospital, New York, has been awarded the \$10,000 1964 Albert Lasker Foundation Clinical Research Award for his work in the field of mental illness. Kline received the award for work on the use of monamine oxidase inhibitors in the treatment of severe depressions. His research led to the use of anti-depressant drugs in state mental hospitals and private practice, allowing many patients to be treated outside mental hospitals.

Two California doctors will share the \$10,000 1964 Albert Lasker Foundation Basic Medical Research Award. They are:

Renato Dulbecco, Resident Fellow, The Salk Institute of Biological Studies, San Diego, for his early work on bacterial viruses, leading to the development of methods for investigating the process of viral infection of normal cells in culture; for his research into the application of these methods, resulting in the finding that cancerous transformation can occur in the absence of virus multiplication; and

Harry Rubin, professor of virology, University of California, Berkeley,

whose work "has given new insight into the mode in which cancer-producing RNA viruses bring about the transformation of normal cells into cancer cells while disclosing, at the same time, other facts of broad biological significance."

Bruno J. Zwolinski, professor of chemistry and director of the chemical thermodynamic properties center at Texas A&M University, has been named head of the school's chemistry department.

Frank F. Lee, formerly head of the department of sociology-anthropology at Oakland University, Rochester, Michigan, has been appointed chairman of the sociology-anthropology department at Northeastern University. Lee succeeds **Donald Pitkin**, who will be in charge of the sociology-anthropology department at Amherst College.

The following have been appointed members of the National Advisory General Medical Sciences Council, National Institute of General Medical Sciences:

Theodore H. Bullock, professor of zoology, University of California, Los Angeles;

Oliver H. Lowry, head, department of pharmacology, Washington University School of Medicine, St. Louis;

Geraldine P. Woods, a neuroembryologist and former president of both the California State and Southern California Women's Auxiliary to the Medical, Dental, and Pharmaceutical Association.

Each will serve a 4-year term, ending in 1968.

John Stirling Meyer, chairman of the department of neurology at Wayne State University's school of medicine and director of neurology at Harper Hospital, has been named to a 4-year term on the National Advisory Council to the National Institute of Neurological Diseases and Blindness.

Leonard R. Solon, who holds an appointment as adjunct associate professor of industrial medicine at New York University, has accepted a position with the Del Electronics Corporation as manager for research and development programs.

Pancheti Koteswaram, director of aviation services of the India Meteorological Department, has been named visiting professor of atmospheric sci-

ences at the University of Miami (Fla.) School of Environmental and Planetary Sciences.

William H. Summerson, formerly chief scientist at the U.S. Army Edgewood Arsenal, Maryland, has become director of the Food and Drug Administration's Bureau of Scientific Research.

James A. Halsted has been named deputy assistant chief medical director for research and education at the Veterans Administration office in Washington, D.C. Halsted was formerly associate chief of staff for research at the VA hospital in Dearborn, Michigan, and professor of medicine at Wayne State University School of Medicine.

Recent Deaths

Henry T. Darlington, 89; professor emeritus of botany, Michigan State University; 23 October.

Richard Winslow Foster, 44; associate in mollusks, Harvard Museum of Comparative Zoology, Boston, Mass.; 3 September.

Ray J. Friant, 73; retired agronomist of the extension division, agronomy department at the University of West Virginia; 25 October.

Henry C. Froula, 49; an organizer of the Electron Microscopy Laboratory, department of engineering, University of California, Los Angeles; 8 September.

John Wesley Hazen, 63; formerly faculty member of the department of engineering, University of California, Los Angeles; 3 August.

Clarence Hylander, 67; former chairman of the botany department, Colgate University, and visiting professor of botany, Pomona College, Claremont, California; 8 October.

William H. Powers, 64; associate dean for the Commonwealth Campuses and Continuing Education in the College of Science, Pennsylvania State University; 29 August.

Orville T. Wilson, 78; associate professor emeritus of botany and bacteriology at the University of Cincinnati; 28 October.

Erratum: In the report "Prehistoric archeological surveys and excavations in Afghanistan: 1959-1960 and 1961-1963" by Louis Dupree (30 Oct., p. 638), the location of the Institute for Geology mentioned in the legend to Fig. 2 and in reference (11) was incorrectly given as Hamburg. The Institute is located in Hanover.