

The FCC, meanwhile, went ahead and directed nine international carriers, led by A.T.&T., to report by 13 October on joint development and operation of a system. Simultaneously, the FCC rejected G.E.'s petition to include equipment manufacturers. Three days later, A.T.&T. and the National Aeronautics and Space Administration signed an agreement for the launching of two to four satellites next year at an estimated cost to A.T.&T. of \$6 million each.

Testifying before several congressional committees, FCC Chairman Newton Minow indicated that the door had not been shut irrevocably against the manufacturers. He said that they "may well be" permitted to participate eventually, and he declared that the FCC would not tolerate domination by any one firm.

General Electric, however, showed no inclination to tie up substantial assets on the basis of this assurance. With its current prospects snuffed out, it wrote the FCC on 22 September that it was dissolving Communications Satellites, Inc., which it had formed to pursue space communications activities. The unit, according to a company official, had approximately 100 employees, and they have been reassigned to other activities.

Soviet Medical Exhibition

A Soviet medical exhibition, which had been scheduled to begin a 60-day U.S. tour on 23 September [*Science* **134**, 932 (29 Sept. 1961)], and an American transportation exhibition which was to open in Moscow on the same date, have been indefinitely postponed by the Russians.

On 1 September the U.S. State Department asked to review the Russian contract with a Brooklyn construction company handling the medical exhibition, in order to ensure that liaison men assigned to Soviet exchanges in the U.S. will be paid. Soviet representatives stated that there was no formal agreement between the two countries allowing the right of review, and charged the U.S. with "interference."

The Soviet exhibition, still crated, is under the custody of U.S. Customs officials. The American exhibition, partially completed at the time of the postponement, is now being dismantled and crated in the event the show is ordered to continue to Stalingrad.

Announcements

Designs have been completed for an **aluminum research submarine**, which will be used by Woods Hole Oceanographic Institution as a part of a research program sponsored by the Office of Naval Research.

The 51-foot, battery-powered *Aluminaut*, equipped with sonar, television cameras, and mechanical devices to retrieve specimens, will have an 80-mile operating range and will be capable of descending to 15,000 feet. It will be used initially to study submarine canyons, the edge of the continental shelf, and the daily vertical migration of marine animals. Designed by Reynolds International, Inc., a subsidiary of Reynolds Metals Company, the three-man craft will be constructed by General Dynamics Corporation's Electric Boat Division. Launching is scheduled for 1963.

Visiting professors in astronomy are currently available for 2-day intervals during the current academic year through a program established by the American Astronomical Society. Educational institutions wishing to utilize this service should write the Visiting Professors Committee at one of the following addresses:

East: Franklyn M. Branley, The American Museum-Hayden Planetarium, 81 St. and Central Park West, New York 24.

Middle West: Victor M. Blanco, Case Observatory, Taylor & Brunswick Roads, East, Cleveland 12, Ohio.

West: Seth B. Nicholson, Mount Wilson and Palomar Observatories, 813 Santa Barbara St., Pasadena, Calif.

A pamphlet on **family food stockpile for survival** has been published by the Department of Agriculture. The booklet, available free of charge, includes information on how to store and how often to replace food stockpiles; it also lists equipment needed for emergency cooking and gives sample menus for a reasonably balanced diet. (Office of Information, USDA, Washington 25, D.C. Order No. HG-77)

Airlie Foundation, a **conference center** in a rural setting about 40 miles from Washington, D.C., has opened for the use of educational, research and governmental organizations. The center is located on a 1200-acre estate and has facilities for 100 overnight

guests. A variety of conference rooms can accommodate small and large meetings. In addition, facilities for recreation are provided. The foundation is incorporated on a nonprofit basis. Among the organizations planning conferences at Airlie are the Brookings Institution and the Federation of American Societies for Experimental Biology. (Airlie Foundation, Warrenton, Va.)

Copies of a preliminary directory of the **biomedical library resources** in the Pacific area, presented at the 10th Pacific Science Congress (Honolulu, 22 Aug.-2 Sept.), are available on request. (National Library of Medicine, U.S. Public Health Service, Washington 25, D.C.)

Cytologists and geneticists who may have previously sent reprints of their work to Friedrich Mechelke, a German cytologist formerly with the Institut für Kulturpflanzenforschung in East Germany, are requested to send new copies. In the process of leaving East Germany in the last days before the closing of the barriers, Mechelke lost all of his scientific data, literature, and personal possessions. (Friedrich Mechelke, c/o Dr. J. Straub, Max-Planck-Institut für Züchtungsforschung, Köln-Vogelsang, West Germany)

Courses

A 2-week postgraduate course in **allergy** is being offered from 5 to 16 March 1962 by the University of Pennsylvania. The course consists of a review of the basic principles of immunology and allergy as applied to clinical practice, with emphasis on the methods of diagnosis and management of allergic patients. Enrollment is limited. Tuition: \$175. (George Blumstein, c/o Temple Medical Center, Philadelphia 40, Pa.)

An 8-week course on **science research in contemporary Europe**, sponsored by the State University of New York and the Experiment in International Living, will be held during the summer of 1962. Participants will visit research institutions, oceanographic stations, zoological and botanical gardens, and museums in Rome, Venice, Genoa, Monaco, Marseilles, Paris, Brussels, The Hague, and London. (Walter Lerner, State University of New York, College of Education, Geneseo)

An advanced training course and an international conference on **modern techniques in activation analysis**, sponsored by the International Atomic Energy Agency, the U.S. Atomic Energy Commission, and the Agricultural and Mechanical College of Texas, will be held at the college in December. The course, from 4 to 14 December, will include lectures on fundamentals, sample preparation, sources, radiochemistry, present applications, and probable future developments. Laboratory experiments will utilize representative activation sources, multichannel analyzers, and computers. Requirements for admission are a B.S. degree and a minimum of 1 year in research. The \$250 tuition charge will include registration for the subsequent conference, to be held on the 15th and 16th. A \$15 registration fee will be required for conference participants who do not enroll in the course. (Richard E. Wainerdi, Activation Analysis Research Laboratory, A & M College of Texas, College Station)

Grants, Fellowships, and Awards

Applications are being accepted for **dental research and teaching traineeships** in the basic sciences, periodontology, and in the treatment and rehabilitation of the cleft palate patient. The traineeships, supported by the U.S. Public Health Service, carry minimum stipends of \$5000. (Chairman, Traineeships Committee, University of Pennsylvania School of Dentistry [basic science and cleft palate]; Dean, Graduate School of Medicine, 237 Medical Laboratories, University of Pennsylvania, Philadelphia 4 [periodontology])

A limited number of **conference travel grants** are available to **social scientists** who wish to attend the *Congress of International Economic Association*, the *International Congress on Economic History*, or the *International Institute of Administrative Sciences*. Eligibility requirements include residence in the United States, a Ph.D. degree or its equivalent, current work in fields relevant to the conference program, and publication of a significant contribution to research in the field. Deadline: *15 January 1962*.

Travel grants are also available for attendance at other meetings, held outside the U.S., Canada, or Mexico, that are open to participation by social

scientists from several nations. Requests for these grants may be submitted at any time. (Social Science Research Council Grants, 230 Park Ave., New York 17)

Eight 1962-63 fellowships in **industrial medicine** are being offered by the U.S. Atomic Energy Commission. The fellowships are open to physicians who have completed at least 1 year of internship and who are licensed to practice medicine in the U.S. The program consists of 2 years of academic work followed by an optional year of field training. Deadline: *1 January 1962*. (Henry A. Blair, AEC Fellowships, University of Rochester School of Medicine, Rochester 20, N.Y.)

Meeting Notes

An international postgraduate symposium on **alcohol and civilization** will be held from 11 to 13 November at the University of California Medical Center. The symposium will include sessions on alcohol's effects on the body, behavior, and emotion; its part in contemporary culture; and its relation to individual and community responsibilities. (Continuing Education in Medicine and Health Sciences, University of California Medical Center, San Francisco 22)

A symposium on the role of **science in the development of natural resources**, with particular reference to Iran, Pakistan, and Turkey, will be held from 8 to 13 January 1962 in Lahore, Pakistan. The symposium, sponsored by the Economic Committee of the Central Treaty Organization, will cover hydrology and water conservation; agriculture and soil; forestry; plant products; animal health; fuel; and public health, with emphasis on the scientific approach. Participants will be invited to consider which of these main fields are of interest to the afore-mentioned countries. Deadline for submission of titles and brief abstracts: *30 November*. (M. L. Smith, CENTO Institute of Nuclear Science, P.O. Box 1828, Tehran, Iran)

The second conference on **experimental clinical cancer chemotherapy** will be held in Washington, D.C., from 2 to 3 November. (Kenneth Flieger, Information and Education Section, National Cancer Institute, Bethesda 14, Md.)

An international conference on **palynology**, covering modern and fossil pollen, spores, and related microorganisms, will be held at the University of Arizona from 23 to 27 April 1962. The conference will include symposiums and round-table discussions. Deadlines: titles, *16 October 1961*; abstracts, *2 January 1962*; discussion topics, *1 December 1961*. (International Conference, Geochronology Laboratories, University of Arizona, Tucson)

The 1961 **National Youth Conference on the Atom**, intended for selected high school teachers and students, will be held from 9 to 11 November in Chicago. The conference will include discussions on fundamental particles, the physical and biological sciences and their relationship, electric power from nuclear fusion, and the use of radiation and radioisotopes; a symposium for teachers; and tours of the Museum of Science and Industry, Argonne National Laboratory, and Dresden Nuclear Power Station. (H. Richard Silver, Bozell & Jacobs, Inc., 230 Park Ave., New York 17)

A 1-day symposium on **planned parenthood and social action** will be held on 24 October in New York. The meeting deals with "the process of social change in which a matter of personal and private concern, such as birth control, becomes a subject for affirmative public policy." (Winfield Best, Planned Parenthood Federation of America, 501 Madison Ave., New York 22)

The location of the New York Academy of Sciences' **conference on the cervix**, to be held from 7 to 9 December, has been changed from the Barbizon-Plaza Hotel to the Henry Hudson Hotel, New York City. (Alfred B. Kupferberg, Ortho Research Foundation, Raritan, N.J.)

An open symposium on **nuclear education** will be held on 27 October in Philadelphia. The meeting, sponsored by Nuclear Industries, Inc., will cover nuclear training at high school, college, and graduate levels as well as the programs offered by various government agencies. Admission is free. (Grafton D. Chase, Philadelphia College of Pharmacy and Science, Philadelphia)

A research conference on **molecular structure and biochemical reactions** will be held in Houston, Texas, from 4 to 6

December 1961. The conference is open to the public, but advance registration is required. (W. O. Milligan, Robert A. Welch Foundation, P.O. Box 1892, Houston 1)

Scientists in the News

Recent staff appointments at North Carolina State College of Agriculture and Engineering:

William M. Roberts, head of the animal industry department's dairy manufacturing section, has been named head of the college's recently formed department of food science and processing.

Harold A. Lamonds, project director of the college's nuclear reactor since 1957, has been named head of the new department of nuclear engineering.

John E. Nordlander, of Massachusetts Institute of Technology, and **Paul C. Moews, Jr.**, of the University of Michigan, have become instructors in organic and inorganic chemistry, respectively, at Western Reserve University.

Recent staff appointments at the University of Oregon:

Sidney A. Bernhard, chief of the physical chemistry section at the National Institute of Mental Health, will become an associate professor of chemistry in the university's institute of molecular biology.

Marshall Fixman, senior fellow in the chemistry department of the Mellon Institute, will become director of the university's new institute of theoretical science.

Roger B. Fuson, of the Montana Deaconess Hospital; **Charles A. Miller**, of Wabash College; and **Trygve W. Tuve**, of the National Institute of Arthritis and Metabolic Diseases, have been appointed staff members of the Research Grants Branch in the National Institutes of Health's Division of General Medical Sciences.

Recent staff resignations at the Oak Ridge Institute of Nuclear Studies:

Adrian H. Dahl, of the Special Training Division, has become professor of radiation biology at Colorado State University School of Veterinary Medicine.

David S. Anthony, of the University Relations Division, has returned to the University of Florida after a 1-year leave-of-absence from his post as associate professor of chemistry.

The following nuclear engineers have been appointed vice presidents of Milletron, Inc. (Irwin, Pa.), a newly established firm specializing in heat measurement and nuclear instrumentation:

Vincent G. Shaw, general manager; founder and first president of Shaw Instrument Corporation, and inventor of the Shawmeter, the first two-color pyrometer.

Andrew J. Pressesky, optical specialist; former instrument designer for Atomic Energy of Canada, Ltd.

Basil M. Lide, one of the developers of nuclear instrumentation and radiation monitoring equipment for the *Nautilus*.

Sidney W. McCuskey, Kerr professor of mathematics and astronomy and head of the astronomy department at Case Institute of Technology, has received the third annual Case achievement award. McCuskey is also director of the Warner and Swasey Observatory and the Nassau Astronomical Station at the institute.

Clifford K. Beck, nuclear physicist, has been appointed deputy director of regulation for the U.S. Atomic Energy Commission. He was former assistant director for facilities licensing in the commission's Division of Licensing and Regulation. **Robert Lowenstein**, social scientist and former acting director of the licensing division, has been appointed director.

Recent staff appointments at the University of Kentucky Medical Center:

Tihamer Z. Csaky, of the University of North Carolina School of Medicine, has been named professor and the first member of the newly formed department of pharmacology in the center's College of Medicine. **Rene Menguy**, of the University of Oklahoma Medical Center, has been named associate professor of surgery in the college.

May Sanders, a former staff member at the University of Georgia School of Nursing, has been named associate professor and assistant dean of the center's College of Nursing.

Harlan W. Northrup, formerly with Battelle Memorial Institute, has been elected president of Technical Aid Service, Inc., a firm that specializes in gathering and assimilating information for research scientists.

L. C. Widdoes has been named director of research for Petrolite Corporation, St. Louis, Mo. He was former president of Internuclear Company, a subsidiary of Petrolite.

Luis F. Leloir, biological chemist at the University of Buenos Aires, has been named Dunham lecturer at Harvard University for the current academic year.

James K. Shafer, chief of the Public Health Service's Division of Community Health Practice, has been named director of health services in the PHS Office of Civil and Defense Mobilization. He succeeds **W. Palmer Dearing**, who retired to become the first executive director of the Group Health Association of America.

L. Wilson Greene, chief technical adviser at the U.S. Army Chemical Research and Development Laboratories, has received the Army's Meritorious Civilian Service decoration. Greene retired last month after 32 years of government service.

Recent staff appointments at the University of Rochester:

Lawrence Raisz, assistant professor at the State University of New York College of Medicine, has been named associate professor of pharmacology and medicine in the university's School of Medicine and Dentistry.

Aser Rothstein, professor of radiation biology in the Medical School, has been named vice chairman of the department and associate director of the university's atomic energy project.

Max Jordan and **William Grant**, of the U.S. Department of Agriculture, have been appointed cooperative employees of the USDA and the Arkansas Agricultural Experiment Station.

Recent Deaths

Sterling Ely, 62; research chemist and Washington representative for the Union Carbide Corporation; 15 Aug.

Sister Mary E. O'Hanlon, 79; emeritus professor of botany at Rosary College, River Forest, Ill.; 24 Aug.

Burt H. Weston, 80; refrigeration engineer and head of the engineering department of Columbia Technical Institute until his retirement in 1950; 15 Sept.