

were 7911 cases in 1956; 2499 in 1957; 3697 in 1958; 6289 in 1959; and 2265 last year.

The rise in 1958 and 1959 is attributed by the Public Health Service to a series of localized outbreaks, mainly in slum sections of urban areas populated by low-income groups; most of the polio victims had not received the Salk shots. A concerted effort was made to provide free Salk vaccine to these income groups in time to protect them from the disease last year and this year. The number of cases reported up to 1 July is 237, whereas 469 cases were reported during the first half of 1960.

Prior to the use of Salk vaccine, polio incidence in the United States was much higher in the higher income groups. The lower level of incidence among the poorer members of the population was attributed to a natural immunity resulting from more frequent exposure to the disease.

A bill to consolidate and strengthen the various **cultural and educational exchange programs** that began with the establishment in 1944 of the Fulbright scholarships easily passed the Senate. About \$30 million a year is now being spent on the programs. Senator Dirksen of Illinois, opposing the bill, called it a sort of "world federal aid to education" paralleling the Administration's school aid bill. Senator Fulbright, now chairman of the Foreign Relations Committee and floor manager of the bill, said he was in favor of both programs, but that \$30 million didn't go very far when spread around the world, and that the United States, in its own interest, ought to be spending more. Dirksen said he was afraid that was just what was going to happen if the bill was passed. But Dirksen, and most others who criticized the bill, aimed only to limit its scope, not to defeat the program. On the final vote only Senators Goldwater, Tower (R-Tex.) and three of the most conservative Southerners opposed the bill. The vote was 79 to 5. The House version of the bill is still in the Foreign Affairs Committee, which will act later in the month, after it has completed work on the foreign-aid bill.

The Joint Committee on Atomic Energy will hold public hearings next week on developments in detection and identification of **nuclear explosions** underground and in outer space.

## Announcements

The United States will make **nuclear equipment** costing \$80,000 available to the International Atomic Energy Agency, Vienna, to assist atomic energy projects in Argentina, Brazil, and Israel through the agency's technical assistance program. Argentina will receive a mass spectrometer ion source and an electron paramagnetic resonance spectrometer, Brazil will receive equipment for research in the use of isotopes in agriculture, and Israel will receive monitoring stations for use in the area surrounding its research reactor at Rehovot.

The committee of judges for the 1961 **AAAS Theobald Smith award** [*Science* 133, 2003 (23 June 1961)] consists of:

Thomas Butler, University of North Carolina School of Medicine.

Jacob Furth, Roswell Park Memorial Institute, University of Buffalo.

Francis D. Moore, Harvard Medical School.

Maxwell M. Wintrobe, University of Utah College of Medicine.

John B. Youmans, American Medical Association, *chairman*.

Nominations, which must be received *before 1 September*, may be sent to Oscar Touster, Department of Biochemistry, Vanderbilt University School of Medicine, Nashville 5, Tenn.

A bibliography of **interlingual scientific and technical dictionaries** has been published for scientists and technicians engaged in work outside their own countries. The UNESCO publication, aimed at the standardization of scientific terminology, covers 350 subjects. (UNESCO Publications Center, 801 3rd Ave., New York)

Photographers and scientists are invited to submit **scientific and technical photographs** for consideration for inclusion in a 16-page insert in the *McGraw-Hill Yearbook of Science and Technology*. (John T. Westlake, McGraw-Hill Book Co., 10 Elliewood Ave., Charlottesville, Va.)

A new **faculty fellowship program** will be inaugurated next fall at Dartmouth College that will allow two to five faculty members to devote a year to research or other scholarly and creative activities. Recipients will re-

ceive their regular full compensation and a grant of up to \$2500 for travel and other expenses related to their work. The fellowships, available to assistant, associate, and full professors, will supplement the college's regular sabbatical leave program and outside awards and fellowships.

The Johns Hopkins School of Hygiene has received a \$250,000 grant from the **State Department** for the improvement of **foreign aid health programs** during the next 3 years.

Samples of **unsaturated fatty acids** are available to qualified investigators through the National Institutes of Health lipid program. A brief description (in duplicate) of the research program for which the samples are to be used should accompany each request. (William H. Goldwater, Division of Research Grants, NIH, Bethesda 14, Md.)

A selected reading list on **space flight** has been compiled by the Bell Telephone Laboratories' Technical Information Library. (*Space Flight*, Bell Telephone Laboratories, 463 West St., New York 14)

## Meeting Notes

An international symposium on **photoelasticity** will be held 29–31 October at Illinois Institute of Technology. The program will cover photoelasticity, photoplasticity, photothermoelasticity, dynamic photoelasticity, and special equipment. (M. M. Frocht, Illinois Institute of Technology, Technology Center, Chicago 16)

An international conference on **nuclear physics** will be held at Manchester University, England, 4–8 September. The conference is sponsored jointly by the university, the International Union of Pure and Applied Physics, the Royal Society, and the Institute of Physics and the Physical Society.

A **food science conference** will be held 19–22 September at the Food Preservation Research Laboratories, New South Wales, Australia. The conference, sponsored by the Commonwealth Scientific and Industrial Research Organization, is open to scientists, technologists, and managerial staff from the food industry and food re-

search laboratories. (Chief, CSIRO Division of Food Preservation, P.O. Box 43, Ryde, N.S.W., Australia)

The **British Association for the Advancement of Science** will hold its 123rd meeting in Norwich, Norfolk, England, 30 August–6 September. The main program is arranged in 15 sections, covering almost every field of science. A number of complimentary tickets are available for overseas science students. (Secretary, BAAS, 18 Adam St., London, W.C.2)

A meeting on **smoking and lung cancer** and associated questions will be conducted as part of the 33rd session of the International Statistical Institute, to be held in Paris, 28 August–7 September. The main papers and the discussion will be published in the *Bulletin de l'Institut International de Statistique*. (Joseph Berkson, Mayo Clinic, Rochester, Minn.)

The first **National (Mexican) Congress of Anatomy**, sponsored by the Mexican Society of Anatomy, will be held in Mexico City 10–14 September. United States anatomists are invited to attend. (Fernando Quiroz Pavia, Admon de Correos 70, Apartado No. 25279, Mexico 20, D.F., Mexico)

The Pan American Association of **Ophthalmology** will hold an interim congress in Lima, Peru, 28 January–3 February 1962. The congress will include a round table in diagnosis and nonsurgical therapy of glaucoma; a symposium on steroid therapy; and individual papers on the cornea. Postgraduate courses will be given in English, Spanish, and Portuguese. Simultaneous translations will be available during discussions. Deadline: 30 October 1961. (John M. McLean, 525 E. 68 St., New York 21)

### Scientists in the News

**Paul C. Cross**, professor and executive officer of the University of Washington's department of chemistry, has been named president, chief executive officer, and a trustee of the Mellon Institute.

**Winston K. Shorey**, interim associate dean of the University of Miami's School of Medicine, has been appointed dean of the University of Arkansas Medical School.

**Carl W. Gottschalk**, associate professor of cardiology at the University of North Carolina School of Medicine, has been awarded the lifetime post of career investigator by the American Heart Association.

New members of the National Cancer Institute's Board of Scientific Counselors:

**Howard E. Skipper**; Southern Research Institute, Birmingham, Ala.

**Richard E. Shope**; Rockefeller Institute for Medical Research, New York.

**William U. Gardner**; Yale University School of Medicine.

**Hugh R. Butt** of the Mayo Clinic, Rochester, Minn., will serve as the new chairman, succeeding **Philip P. Cohen**.

**Arthur C. Allen**, professor of pathology at the University of Miami Medical School, will become director of laboratories at the Jewish Hospital of Brooklyn and clinical professor of pathology at State University Medical School, Downstate Medical Center, Brooklyn, N.Y., on 1 September.

Recent additions to the Harvard University faculty:

**Herman M. Kalckar**, professor of biology and biochemistry at Johns Hopkins' McCollum-Pratt Institute, will become professor of biological chemistry.

**Thomas E. Frothingham**, assistant professor of pediatrics at the New York University School of Medicine, will become assistant professor of tropical public health.

**Harold F. Parks**, associate professor of anatomy at the University of Rochester School of Medicine and Dentistry, has been appointed professor of zoology at Cornell University.

Newly elected members of the Council for the Advancement of Science Writing:

**Joseph Kaplan**, physicist and chairman of the U.S. National Committee for the International Geophysical Year.

**William P. Steven**, editor of the *Houston Chronicle*, Houston, Tex.

**Ernest G. Anderson**, professor of genetics at California Institute of Technology, is retiring after 33 years as a member of the faculty.

**George N. Papanicolaou**, exfoliative cytologist at Cornell Medical College, has accepted the directorship of the Cancer Institute, Miami.

**Carl E. Taylor**, associate professor of preventive medicine and public health at Harvard, has been granted a year's leave of absence to organize a 5-year research study of rural internships in Indian medical colleges. He will be visiting professor of preventive medicine at the Ludhiana Christian Medical College in the Punjab.

**Frank T. Piskur**, director of the Department of the Interior's Fishery Technological Laboratory, College Park, Md., has been named assistant regional director of the Alaska office of the department's Bureau of Commercial Fisheries, Juneau.

**Walter S. Bradfield**, senior scientist at the General Dynamics Scientific Research Laboratory, San Diego, has been appointed professor of engineering and chairman of the department of thermal sciences and fluid mechanics at the new State University of New York.

**S. K. Hoffman**, president of Rocketdyne, a part of North American Aviation, Inc., and **T. F. Dixon**, vice-president of Rocketdyne's research and engineering division, are co-recipients of the 1960 Louis W. Hill space transportation award, administered by the Institute of Aerospace Sciences.

### Recent Deaths

**Charles H. Bunting**, 86; emeritus professor of pathology at the University of Wisconsin, and lecturer in pathology at Yale University Medical School from 1945 to 1955; 27 May.

**Joseph H. Faull**, 91; emeritus professor of forest pathology at Harvard University; 30 June.

**Lee de Forest**, 87; inventor of the radio tube; 30 June.

**H. Richard Gault**, 46; professor and head of the department of geology at Lehigh University; 5 July.

**Walter C. G. Kirchner**, 85; member of the Jewish Hospital of St. Louis (Mo.) medical staff since 1933; 15 May.

*Erratum:* The first announcement in the news section of the 7 July issue (p. 39, col. 3) referred to the "American Institute of Microbiology." This should have read "American Academy of Microbiology."

*Erratum:* In the report "Synthesis of uracil under conditions of a thermal model of prebiological chemistry," by S. W. Fox and K. Harada [133, 1923 (16 June 1961)], the abbreviation "dec." meaning decomposition, was twice incorrectly expanded to "decrease." The two errors appear in the last two paragraphs of col. 2, p. 1923.