

NEWS

and Notes

An amendment to the independent offices appropriations bill HR 4177, calling for full FBI investigations of all fellows under the program of the Atomic Energy Commission, has been prepared by Senator O'Mahoney. Scheduled for introduction when the bill comes before the Senate, it reads as follows: "No part of any appropriation contained in this title for the Atomic Energy Commission shall be used to confer a fellowship on any person who advocates or who is a member of an organization or party that advocates the overthrow of the Government of the United States by force or violence or with respect to whom the Attorney General finds, upon investigation and report by the Federal Bureau of Investigation on the character, associations, and loyalty of whom, that reasonable grounds exist for belief that such person is disloyal to the Government of the United States: *Provided*, That any person who advocates or who is a member of an organization or party that advocates the overthrow of the Government of the United States by force or violence and accepts employment the salary, wages, stipend, or expenses for which are paid from any appropriation contained in this title shall be guilty of a felony and, upon conviction, shall be fined not more than \$1,000 or imprisoned for not more than one year, or both: *Provided further*, That the above penal clause shall be in addition to, and not in substitution for, any other provisions of existing law."

Another amendment to the Atomic Energy Act of 1946 was introduced by Senator McMahon as S. 2215 on July 7, placing further limitations upon the Commission. This bill proposes that "the authorization of Congress shall be required . . . with respect to the total amount of money and contract authorization annually

requested . . . before the appropriation of any funds for the Commission's use shall be authorized." By means of this amendment Congress would, in effect, acquire direct control over every "substantial activity, project, or operation undertaken or to be undertaken in accord and with the provisions of this Act."

The National Science Foundation bill, H. R. 4648, which has been approved by the Committee on Interstate and Foreign Commerce, is being held up in the Rules Committee. Apparently that committee is reluctant to bring the bill to the House of Representatives for vote because of the current economy drive. Members of the Rules Committee are: *Democrats*—Adolph J. Sabath (Illinois) chairman, E. E. Cox (Georgia), Howard W. Smith (Virginia), William M. Colmer (Mississippi), Ray J. Madden (Indiana), John E. Lyle, Jr. (Texas), John McSweeney (Ohio), and James J. Delaney (New York); *Republicans*—Leo E. Allen (Illinois), Clarence J. Brown (Ohio), James W. Wadsworth (New York), and Christian A. Herter (Massachusetts).

Detlev W. Bronk, chairman of the National Research Council and president of Johns Hopkins University, delivered the annual Croonian Lecture of the Royal Society of London on June 30. Dr. Bronk spoke on the rhythmic action and respiration of nerve cells.

Carroll L. Birch, associate professor of blood diseases and tropical medicine at the University of Illinois Medical School, has left on a six-month expedition to the west coast of Africa. During her stay in Africa, Dr. Birch will make side trips to the Belgian Congo, the Gold Coast, Liberia, and Nigeria, and into remote sections of French Equatorial Africa to obtain specimens of disease-spreading organisms for use in courses at the medical school. She will also do research work on natives with various forms of malaria and sleeping sickness.

Frank G. Young, chairman of the Department of Chemistry, University College, London, has been appointed

professor of chemistry at Cambridge University. Dr. Young recently visited the U. S. to participate in a symposium on diabetes at the Army Medical Department Research and Graduate School.

D. J. Hughes, division director of the Experimental Nuclear Physics Research Division, Argonne National Laboratory, has resigned to accept a position as senior physicist at the Brookhaven National Laboratory, Upton, New York.

J. K. F. Holtfreter, of the Zoology Department at the University of Rochester, will be guest lecturer for the summer session at the Department of Histology and Embryology of the Faculty of Medicine, University of Montevideo, Uruguay.

Visitors to U. S.

Recent visitors at the National Bureau of Standards were H. Powell, research chemist, Anglo Iranian Oil Company, Research Station, Sunbury-on-Thames, England; James Brown, lecturer in mechanical engineering and applied mechanics at the Royal Technical College of Glasgow, Scotland; Hernando Posada, general manager, Instituto de Crédito Territorial, Bogota, Colombia; Gerardo A. Imperial, professor of chemistry at Silliman University, Philippine Islands; Gordon Weston, assistant director of the British Standards Institution, London; W. W. Vardssieau, chemist, National Research Council of Holland; Virginia E. Marting, research assistant, Cavendish Laboratory, Cambridge University, England.

The National Vitamin Foundation has announced six new grants-in-aid for research in problems of nutrition in health and disease. The awards, effective July 1, were made to Leonard J. Goldwater and Maurice E. Shils, Columbia University School of Public Health; Winslow T. Tompkins, Pennsylvania Hospital, Philadelphia; Ernest Geiger, University of Southern California School of Medicine; Robert W. Heinle and Thomas P. Singer (separate grants), both of Western Reserve University

School of Medicine; and *Willard A. Krehl*, Yale University.

The Carnegie Corporation has made a three-year grant of \$90,300 to the University of Minnesota for research in the social sciences, involving the fields of political science, psychology, and anthropology. The program will be carried on through the university's Laboratory for Research in Social Relations. Further information may be secured from John G. Darley, Assistant Dean of the Graduate School, University of Minnesota, Minneapolis 14.

The Honor Scroll Award of the American Institute of Chemists will be presented to Otto Eisenschiml, president of Scientific Oil Compounding Company, at a meeting of the Chicago Chapter on October 7. Dr. Eisenschiml is being honored for his work in the chemistry of vegetable oils.

The National Research Council of Canada has awarded fellowships totaling \$75,500 to 38 graduates in medicine to enable them to pursue postgraduate research during 1949-50. The fellowships vary in amounts from \$1,500 to \$2,500. The grantees represent 11 universities, including one in Australia, one in Scotland, and one in China. Eight of the research centers are located in Canada, five in the United States, and one in England.

Colleges and Universities

A group of Princeton University physicists will spend six weeks aboard the *U.S.S. Norton Sound* making cosmic ray experiments at sea. The experiments will be conducted by two scientifically independent groups under the direction of John R. Winckler and George Neilson Whyte. The Winckler group will use balloons for a determination of the energy distribution of the primary cosmic rays and relative number of rays having positive and negative electrical charges. The Whyte group will undertake two experiments: number and size of nuclear explosions due to cosmic ray particles as a function of altitude, and determination of the number of slow neutrons

present in the atmosphere as a function of altitude. It is expected that information obtained will contribute toward determining the source of cosmic rays and give basic information necessary for the study of very high energy nuclear interactions and the forces which hold the nucleus together.

The New York University College of Medicine has received a shipment of snails infected by a parasite which transmits the tropical disease schistosomiasis. Claude H. Barlow, parasitologist, brought the snails from Egypt, where they infest the irrigation canals, serving as host for the larva worm. Dr. Barlow deliberately infected himself with the disease several years ago in order to study it and received the Medal for Merit last year in recognition of his contribution to science. Fifty-four percent of all Egyptians are affected by the disease. The university will conduct an intensive research project to find methods of eradicating schistosomiasis.

Meetings and Elections

The United Nations announces that arrangements for reserved seating space at its **Scientific Conference on the Conservation and Utilization of Resources** (see *Science* April 29, page 452) will be made for those who request such reservations in advance of the conference, August 17-September 6. The meetings will be open to the public, and attendance of scientists and other technical experts interested in resource use and development is particularly welcome. Those interested should write directly to the United Nations, Lake Success, New York, addressing letters to the attention of Alfred J. Van Tassel, Executive Secretary, UNSCOUR. If seating space is available, it will be possible to make reservations by telephone one day in advance, up to the last day of the conference. Calls should be made to D. J. Walsh, UN Admissions Officer, Fieldstone 7-1100, Extension 2126 or 2156. Not more than two reservations can be made by a telephone call.

The Meteoritical Society will hold its twelfth annual meeting Sep-

tember 6-7, at the University of Southern California, Los Angeles. Chairman of the program committee is John A. Russell, Department of Astronomy, University of Southern California, Los Angeles 7.

The fourth meeting of the **Conference on Low Temperature Calorimetry** will be held at the Massachusetts Institute of Technology on September 10 in conjunction with the **International Conference on the Physics of Very Low Temperatures**, scheduled September 6-10. Further details can be supplied by J. C. Slater, Department of Physics, M. I. T., Cambridge, Massachusetts.

The summer meeting of the **North-eastern Division, American Phytopathological Society** will consist of a tour through various parts of New Jersey September 8-9. Diseases of various crops will be studied in the field, particularly those crops unique to New Jersey or occurring on a large scale in that state.

The **Ninth International Congress of Psychotechnology** will meet in Berne, Switzerland, on September 12-17, with Henri Piéron as president. Psychologists wishing to send exhibits of charts, tests, or recent books for display should correspond with Harold Seashore, 522 Fifth Avenue, New York 18. For information regarding the congress and for registration, write to Mme. Dr. Franziska Baumgarten, Thunstrasse 35, Berne, Switzerland.

The **Illuminating Engineering Society** will hold its national technical conference September 19-23 at French Lick, Indiana. A review of lighting achievements of the past year will comprise the program.

A conference on elementary particles will be held in the Department of Natural Philosophy, University of Edinburgh, November 14-16. Further information will be obtainable about the end of August from A. Nisbet, Department of Mathematical Physics, University of Edinburgh, Drummond Street, Edinburgh 8.

The **Union Americana de Medicina del Trabajo** (American Union of Occupational Medicine), composed

of specialized medical societies of 17 American republics, will hold its first congress in Buenos Aires in December. José Pedro Reggi, professor of the Faculty of Medical Science of Buenos Aires, is director general of the union. Its official publication, *Medicina del Deporte y del Trabajo*, is printed in Spanish, English, and Portuguese. Further information regarding the congress may be obtained from the General Secretary, Arenales 981, T. E. 42, Callao 1015, Buenos Aires.

At the 15th annual meeting of the **American Malacological Union** held at the University of Miami, Florida, June 16-18, the following officers were elected: president, Fritz Haas, Chicago Museum of Natural History; vice president, Joseph P. E. Morrison, Smithsonian Institution; second vice president, John Q. Burch, Los Angeles; treasurer, Harold R. Robertson, Buffalo; secretary, Mrs. Harold R. Robertson, Buffalo Museum of Science.

The Pacific Division of the American Malacological Union held its second annual meeting in Long Beach, California, June 10-12. Officers elected were chairman, John Q. Burch, Los Angeles; vice chairman, Leo G. Hertlein, California Academy of Sciences; secretary-treasurer, Wendell O. Gregg, Los Angeles.

The **American Institute of Electrical Engineers** elected the following new officers at its annual meeting held June 22: president, James F. Fairman, vice president of the Consolidated Edison Company of New York, Inc.; vice presidents, C. G. Veinott, Lima, Ohio; W. J. Seeley, Durham, North Carolina; W. C. DuVall, Boulder, Colorado; Ralph A. Hopkins, Los Angeles, California; A. H. Frampton, St. Catharines, Ontario, Canada. W. I. Slichter, of New York City, was reelected treasurer.

The **Oak Ridge Institute of Nuclear Studies** named the following officers at its board of directors' meeting on June 28: president, Paul M. Gross, vice president, dean of the graduate school, and professor of chemistry at Duke University; vice president, J. W. Beams, director of

the School of Physics at the University of Virginia; chairman of the 24-man council of the institute, J. Harris Purks, Jr., professor of physics at Emory University on leave as director of the University Center in Georgia; vice chairman of the council, L. A. Pardue, dean of the Graduate School of the University of Kentucky. All of the officials elected retain their university positions and duties.

The council also elected five new universities to membership in the institute. They are Mississippi State College, North Carolina State College, Rice Institute, Virginia Polytechnic Institute, and the University of Oklahoma.

The **American Psychiatric Association** named the following officers at its 105th annual meeting in Montreal: George S. Stevenson, medical director of the National Committee for Mental Hygiene, New York City, president; John C. Whitehorn, professor of psychiatry, Johns Hopkins University, president-elect; Leo H. Bartemeir, Detroit, secretary; and Howard W. Potter, William Alanson White Clinic, Brooklyn, New York, treasurer.

The **Alabama Academy of Science** has elected the following officers for the ensuing year: president, C. A. Basore, Alabama Polytechnic Institute, Auburn; president-elect, H. E. Wilcox, Birmingham Southern College; secretary-treasurer, William T. Wilks, Troy State Teachers College, Troy; and counselor of the AAAS, Katherine Vickery, Alabama College, Montevallo.

The **American Society of Plant Physiologists** has elected the following officers for the year beginning July 1: president, James Bonner, California Institute of Technology; vice president, C. H. Wadleigh, U. S. Regional Salinity Laboratory; and secretary, T. C. Broyer, University of California at Berkeley.

NRC News

The National Research Council has announced the award of 19 **fellowships in the medical sciences**. These fellowships are supported by

an appropriation of the Rockefeller Foundation and are designed to give special facilities for training and experience in research to recent graduates who are not yet professionally established, but who wish to devote themselves to an investigative career in the medical sciences. The 12 new fellows for the year 1949-50, the institutions at which they will receive their training, and the subjects of their research are: *Henry T. Bahnson*, University of Rochester, cardiorespiratory physiology; *Harold W. Baker*, Vanderbilt University, bile acid concentration in serum and ability of the liver to conjugate bile salt administered in the unconjugated form in health and in liver disease; the effect of cystine, methionine, and choline on damaged livers; *Richard J. Cross*, Public Health Research Institute of the City of New York, intermediary metabolism in laboratory animals; *Marion E. Lahey*, University of Utah, the pathogenesis of the anemia of infections; *Alexander Leaf*, Massachusetts General Hospital, the renal control of sodium excretion in the edematous subject with cardiac or kidney disease; *Lionel Manson*, Western Reserve University, biosynthesis and breakdown of pentose and desoxypentose nucleosides in microorganisms; *John B. Neilands*, Karolinska Institute, Stockholm, Sweden, enzymes and intermediary metabolism; *Arnold S. Relman*, Evans Memorial Hospital, Boston, relation of renal hemodynamics to electrolyte excretion; *Alexander Rich*, California Institute of Technology, characterization of proteins by physical methods; *Martin P. Schulman*, University of Pennsylvania, isolation of the individual enzymes and cofactors concerned with the synthesis of tissue proteins; *W. Eugene Stern*, Johns Hopkins Hospital, neurophysiological studies in cerebral circulation in primates; and *John M. Weller*, Harvard Medical School, factors affecting the rate of exchange of potassium between the intracellular phases and the metabolic processes which maintain the potassium gradient. The board has renewed seven fellowships for a second year.

The Rockefeller Foundation has also provided the Research Council with funds in support of the **Welch Fellowships in Internal Medicine**. These fellowships are of senior grade, and are intended to provide a prolonged period of advanced training for individuals of proven ability in research. Two new fellows were appointed: *Irving M. London*, for the term 1949-52 at Columbia University, for research in porphyrin metabolism; and *Charles R. Park*, for the term 1949-52 at Washington University, for research in hormonal influences on the hexokinase reaction in muscle. Two other fellowships were renewed.

The National Foundation for Infantile Paralysis, Inc., has made available a grant in support of **research fellowships in fields related to infantile paralysis**. Under this appropriation, fellowships are offered to provide opportunities for training and research in those basic medical sciences which will be of particular value in furthering progress in the field of orthopedic surgery; a second group of fellowships is available for special experience in the study of virus diseases. The following new fellows were appointed for training during 1949-50 at the institutions and in the fields named: *Thomas D. Brower*, University of Chicago Clinics, effects of age and disease on the morphological and biochemical changes in cartilage; *Thomas T. Crocker*, Yale University, purification and study of elementary bodies of the virus of meningopneumonitis; and *Eugene R. Mindell*, University of Chicago Clinics, chondrodystrophies. **Senior fellowships in the fields of clinical neurology, epidemiology, orthopedic surgery, pediatrics, and virus diseases** are also offered under this grant. These senior fellowships are open to men and women who have already shown definite achievement in research. Those appointed in 1949, their terms, training institutions, and subjects are: *Edward H. Ahrens, Jr.*, 1949-50, Rockefeller Institute for Medical Research, New York City, chemical studies of the serum phospholipids and the protein-bound fatty acids; *Calderon Howe*,

1949-51, Harvard Medical School, physical-chemical characterization of the red cell protein, with particular reference to various antigenic or receptor components; *Edward H. Kass*, 1949-52, Thorndike Memorial Laboratory, Boston City Hospital, (1) the cultivation of strains of poliomyelitis virus on tissue culture media, (2) isolation and purification of selected viruses of different immunologic behavior, and (3) disturbance in electrolyte patterns in patients with proven severe viral infection; *Paul S. Rubin*, 1949-50, Johns Hopkins Hospital, mechanisms of calcification; *Charles W. Watson*, 1949-52, Boston City Hospital and Harvard Medical School, relationship between frontal cortex and the thalamus of man; and *Clark D. West*, 1949-50, University of Cincinnati, (1) calculation of proximal and distal tubular osmotic work of the normal kidney during osmotic diuresis, (2) renal insufficiency during dehydration in experimental animals, and (3) osmotic limitations of the nephritic kidney. Five other fellows will work during the coming year under appointments granted in previous years or under renewed appointments made in 1949.

CARE's program to replenish the war-damaged libraries of Europe and the Far East with English-language books (see *Science*, May 6, page 476) will begin this month. A preliminary list of 1,200 titles has been selected by a committee, headed by Luther Evans, Librarian of Congress. The present categories include health and welfare, medicine, dentistry, applied science, nursing, agricultural science, veterinary science, and English language instruction. Additional categories may be included later. The books will be delivered abroad at the publishers' list price with no extra charge for transportation or distribution. Only new books will be sent.

In addition to Dr. Evans, the committee members are John M. Cory, executive secretary, American Library Association; Alice Dulany Ball, executive director, United States Book Exchange; John F. Ful-

ton, Sterling professor, Yale Medical School; and R. R. Hawkins, chief of the Science and Technology Division, New York Public Library.

Contributions may be sent to CARE Book Program, CARE, 20 Broad Street, New York 5. Donors of \$10 or more may specify country, type of institution, and category of books, although CARE hopes that the majority of contributions will be undesignated.

A new bimonthly periodical, Iodine Abstracts and Reviews, is being prepared by the Iodine Fellowship at Mellon Institute, Pittsburgh, to provide summaries of scientific and technical literature relating to the uses of iodine and its compounds in chemistry and in the industries. From time to time there will be presented reviews of specific phases of the science and technology of iodine. Complimentary subscriptions may be secured by addressing the Iodine Educational Bureau, Inc., 120 Broadway, New York 5.

Make Plans for—

United Nations Scientific Conference on the Conservation and Utilization of Resources, three-week session beginning August 17, Lake Success, New York.

Pennsylvania Academy of Science, August 19-20, Stroudsburg and Buck Hill Falls, Pennsylvania.

1949 Plant Science Seminar, August 21-27, University of Wisconsin School of Pharmacy, Madison.

Symposium on Modern Physics, August 22-September 2, Oak Ridge, Tennessee.

American Institute of Electrical Engineers, Pacific general meeting, August 23-26, Fairmont Hotel, San Francisco, California.

2nd International Biometric Conference, August 30-September 2, University of Geneva, Switzerland.

International Union of Chemistry, 15th conference, September 6-10, Amsterdam, Holland.