

NEWS

and Notes

Senator O'Mahoney's 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 (*Science*, July 22, p. 103), was approved by the Senate on August 2. The entire bill is now the subject of a Senate-House conference, but there seems to be no doubt that the amendment will be incorporated into the final act that is passed by both houses. Inasmuch as all recipients of fellowships must undergo investigation, the effect of the act will be to require investigation of all applicants. Whether, as reported in the July 25th issue of *Newsweek*, the National Research Council will decline to administer the AEC fellowships under these restrictions has not yet been learned.

About People

Joseph B. Platt, associate professor of physics at the University of Rochester, has been given a two-year leave of absence to serve as chief of the Physics Branch of the Research Division of the Atomic Energy Commission in Washington.

Harry C. Dyme, chief chemist at the Foundation of Applied Research, San Antonio, Texas, has accepted a position as chief of the Nutrition Unit of the Aero Medical Laboratory at Wright-Patterson Air Force Base, Dayton, Ohio.

George G. Manov has left the Radioactivity Section of the National Bureau of Standards to become chief of the Advisory Field Service Branch of the Isotopes Division of the Atomic Energy Commission, Oak Ridge, Tennessee.

H. B. Hungerford has retired as head of the Department of Entomology of the University of Kansas. Dr. Hungerford will continue his teaching and research, both at the

University of Kansas and, during summer months, at the University of Michigan Biological Station. He is replaced as chairman by **Charles D. Michener**.

Ruth Lofgren, assistant professor of bacteriology, University of Michigan, is guest investigator for the summer in the Microbiology Division, Scripps Institution of Oceanography, University of California, La Jolla, where she is studying the cytology of marine microorganisms.

Rudolph J. Pauly, director of the School of Pharmacy of the American University of Beirut, Lebanon, has been named assistant director of the Pharmaceutical Division of Sterling-Winthrop Research Institute, Rensselaer, New York.

Althea Revere, electron microscopy consultant, has been appointed associate professor of electron microscopy at the Graduate School of Stevens Institute of Technology, Hoboken, New Jersey.

N. T. Mattox has resigned as associate professor in zoology at Miami University, Oxford, Ohio, to accept a position as professor of biology at the College of Agriculture & Mechanic Arts of the University of Puerto Rico, Mayaguez, Puerto Rico. Dr. Mattox will organize and direct the founding of a marine biological research laboratory.

F. William Sunderman, head of the Department of Clinical Pathology at the Cleveland Clinic Foundation, has been appointed director of clinical research and head of the Department of Clinical Pathology at the University of Texas. Dr. Sunderman has also been appointed professor of experimental medicine and clinical pathology of the University of Texas Postgraduate School of Medicine.

Visitors to U. S.

Ch'ing-Sung Yü, formerly of the Nanking Observatory, is now conducting research as an associate on the staff of the High Altitude Observatory at Boulder, Colorado.

Recent visitors at the National Bureau of Standards included: the

Anglo-American Council on Productivity Simplified Practice Group, and **Paul Vigoureaux**, British Admiralty Research Laboratory, Teddington, England.

Grants and Awards

The Actonian Prize of one hundred guineas has been awarded by the Royal Institution of London to Alexander Fleming for his work in penicillin. The prize has been awarded every seventh year since its establishment in 1938. Dr. Fleming recently visited medical institutions throughout the U. S. and attended the dedication exercises of the Oklahoma Medical Reserve Foundation in Oklahoma City.

The Society of Chemical Industry awarded its biennial gold medal to Foster Dee Snell, chemical consultant of New York, at its Manchester, England meeting. Dr. Snell is the second American to receive the award.

The Royal Photographic Society of Great Britain has elected Loyd A. Jones, head of the Physics Department at Kodak Research Laboratories, Rochester, New York, an honorary fellow. The society had honored Dr. Jones twice before this year, by the award of both its Progress Medal and its Hurter and Driffield Medal.

Fellowships

The John and Mary R. Markle Foundation invites deans of accredited medical schools in the United States and Canada to make nominations for the third group of Scholars in Medical Science on or before *December 1*. Each school may nominate one candidate. He should have completed the usual fellowship training in some area of science related to medicine and should hold, or expect to hold, in the academic year 1950-51, a full-time faculty appointment on the staff of a medical school. Grants of \$25,000 each, payable at the rate of \$5,000 annually, will be made to the schools over a five-year period.

The number of Scholars to be appointed in 1950 has not yet been

determined. Sixteen were chosen in 1948, and thirteen in 1949. A new booklet describing the plan, with suggestions for making application, is available on request from the Foundation, 14 Wall Street, New York 5, New York.

Industrial Laboratories

Schwarz Laboratories, Inc., 202 East 44th Street, New York 17, announces the availability of barium fructose-6-phosphate, dipotassium glucose-1-phosphate, and barium phosphoglyceric acid, three phosphorylated compounds used in studies of fermentation or enzyme reactions.

DuPont Company has begun construction in Philadelphia of a new \$2,000,000 building, to be known as the Marshall Laboratory. It will be four stories high and will house laboratory facilities for research in paints, varnishes, enamels, synthetic resins, and other finishing materials.

A fused phosphate fertilizer, especially suitable for use on magnesium-deficient soils, is now being produced on a commercial scale by Manganese Products, Inc., at Seattle, Washington. The new fertilizer does not rot bags, requires no curing period, and is nonacid in its reaction.

Meetings and Elections

The United Nations Scientific Conference on the Conservation and Utilization of Resources will be held August 17–September 6 at Lake Success. Meetings will be held at 10:30 a.m. and 3:00 p.m. The full program follows: *August 17*, morning, plenary meeting, Introductory and Welcoming Addresses; afternoon, plenary meeting, The World Resources Situation; *August 18*, morning, plenary meeting, The World Resources Situation—A World Review of Critical Shortages; afternoon, plenary meeting, Using and Conserving Resources—Interdependence of Resources; *August 19*, morning, section meetings, New Techniques for Increasing Coal Production, The Appraisal of Water Resources, Forest Inventories, Methods of Soil Conservation, Storage

and Preservation of Agricultural Products; afternoon, plenary meeting, Using and Conserving Resources—Soils and Forests; *August 22*, morning, section meetings, Underground Gasification of Coal, Water Supply and Pollution Problems, Protection of Forests, Soil Conservation—Organization and Evaluation of Programs, Changes in Abundance of Fish Populations; afternoon, plenary meeting, Using and Conserving Resources—Fuels; *August 23*, morning, section meetings, Mineral Supplies and Their Measurement, Coal Carbonization, Comprehensive River Basin Development—A Symposium, Forest Management, Soil Surveys—Research in Relation to Soil Conservation; afternoon, plenary meeting, Using and Conserving Resources—Metals and Minerals; *August 24*, morning, section meetings, Increasing Mineral Resources by Discovery, New Techniques for Increasing Coal Production, Drainage Basin Management, Aids to Farming, Management and Cultivation of Fresh Water Fish; afternoon, plenary meeting, Creatable Resources: The Development of New Resources by Applied Technology; *August 25*, morning, section meetings, Conservation in Manufacture, Techniques of Oil and Gas Discovery and Production, Protective Functions of the Forests, Improving Soil Productivity, Fisheries Statistics; afternoon, plenary meeting, Methods of Resource Appraisal; *August 26*, morning, section meetings, Inorganic Fertilizers and Conservation, New Techniques for Increasing Production of Oil and Gas, Water Control Structures, Administration of Forests, Game and Fur Conservation; afternoon, plenary meeting, The Adaptation of Resource Programs; *August 29*, morning, section meetings, Oil Chemistry, Flood Control and Navigation, Logging and Sawmill Techniques, Seeding and Restoration of Natural Grazing Lands, Management of Wildlife Resources; afternoon, plenary meeting, Assessing Resources in Relation to Industrialization Plans; *August 30*, morning, section meetings, Conservation and Mining and Milling, Utilization of Energy, Irrigation

and Drainage, Protection of Crops and Grasslands, Livestock Breeding; afternoon, plenary meeting, Education for Conservation; *August 31*, morning, section meetings, The Outlook for Future Discovery—A Symposium, Utilization of Energy, Preservation and Chemical Utilization of Wood, Crop Policy and the Feeding of Livestock, Opportunities for the More Effective Use of New Agricultural Lands; afternoon, no meetings; *September 1*, morning, section meetings, Conservation by Corrosion Control, Utilization of Fuel, Hydro Power and Other Water Uses, Livestock Diseases and Tests, Research in the Conservation and Utilization of Marine Resources; afternoon, plenary meeting, Resource Techniques for Less Developed Countries; *September 2*, morning, section meetings, Conservation by Substitution, Plant Breeding, Condition of Grazing Lands, Developing Fishery Resources; afternoon, plenary meeting, Resource Techniques for Less Developed Countries—Labor and Public Health Techniques; *September 5*, morning, plenary meeting, The Integrated Development of River Basins—The Experience of the Tennessee Valley Authority; afternoon, plenary meeting, The Integrated Development of River Basins—A Symposium on Public Policy; *September 6*, morning, plenary meeting, Review of the Conference—A Symposium on Future Lines of Study and Directions for Progress; afternoon plenary meeting, Concluding Session.

A symposium on mineral nutrition of plants will be held at the University of Wisconsin on September 1–3. It will be followed on September 5–7 by a related symposium on plant growth substances.

The Tenth Annual Research Conference of the Institutum Divi Thomae and its affiliated units will be held in Cincinnati, September 6–9. Elton S. Cook, dean of research and head of the Division of Chemistry and Biochemistry, will act as general chairman. Reports will be presented on research in the fields of cancer, enzymes, growth, microbiology, and physics and physical chemistry.

The American Physiological Society will hold its regular fall meeting on September 14-17 at the Sheraton Bon Air Hotel and in the laboratories of the School of Medicine of the University of Georgia, Augusta.

A **symposium on plasma proteins** will be held in Chicago September 23-24 under the auspices of the University of Illinois College of Medicine and sponsorship of the Robert Gould Research Foundation. The foundation is at present devoting its funds primarily to support of scientific research in animal and human nutrition.

The Institute of Radio Engineers and the **Radio Manufacturers' Association** have appointed Donald G. Fink and John V. L. Hogan, fellows of the Institute of Radio Engineers, as chairman and vice chairman respectively of the Joint Technical Advisory Committee. Laurence G. Cumming, senior member of the Institute of Radio Engineers, was reappointed secretary of the committee. All three will serve for the term July 1, 1949-July 30, 1950.

The American Astronomical Society elected the following officers at its recent meeting in Ottawa: Alfred H. Joy, president; Dirk Brouwer, vice president; G. M. Clemence, G. P. Kuiper, and Andres McKellar, councilors. J. J. Nassau, treasurer, and C. M. Huffer, secretary, were re-elected.

The American Society for Engineering Education, at its annual convention at Rensselaer Polytechnic Institute, announced the election of the following new officers: president, Thorndike Saville, dean of engineering at New York University; vice presidents, B. J. Robertson, professor of mechanical engineering at the University of Minnesota; H. H. Armsby, specialist in engineering education, U. S. Office of Education; and F. E. Terman, dean of engineering at Stanford University.

An **international symposium on morphogenesis** was held under the auspices of the Centre National de La Recherche Scientifique in Strasbourg, France, July 4-12. The bo-

tanical and zoological part of the program had been organized by Drs. Gautheret (Paris) and Wolff (Strasbourg), respectively. The opening address on "The Future of Morphogenesis" was given by Paul Weiss (Chicago). Individual reports dealt with the following topics: vitamins in morphogenesis (Schopfer, Bern); estivation (David, Bordeaux); molecular problems of morphogenesis (Fauré-Frémiet, Paris); mechanisms of sea urchin development (Hoerstadt, Uppsala); rhizogenesis (Bouillenne, Liège); chemical regulation of plant organogenesis (Skoog, Wisconsin); correlations in plants (Champagnat, Strasbourg); regulation in amphibians (Daleq, Brussels); development of amphibian lens (Woerdemann, Amsterdam); phyllo-taxis (Plantefol, Paris); experimental morphogenesis in lower plants (Hurel, Paris); experimental embryology of *Tubifex* (Lehmann, Bern); experimental embryology of *Limnaea* (Raven, Utrecht); induction in avian development (Waddington, Edinburgh); regulation in avian development (Wolff, Strasbourg); tumor growth (White, Philadelphia); tissue culture and histogenesis (Gautheret, Paris); dedifferentiation in plants (Buvat, Paris); induction in annelid regeneration (Avel, Bordeaux); cell migration in planarian regeneration (Dubois, Strasbourg); development of flowers (Emberger, Montpellier). Participants report that the bilingual discussions brought ample proof of the need for close contact among botanists, zoologists, histologists, and biochemists in the analysis of morphogenesis. The harmonious spirit which prevailed during the conference augurs well for continued fruitful interchange among workers in this field on an international scale.

Deaths

Bernard E. Read, 62, acting director of the Henry Lester Institute in Shanghai, died in Shanghai on June 13. Dr. Read had taught and conducted research in China almost continuously since he went to Peiping Union Medical College in 1909 to head the Department of Pharmacology and Chemistry. He is the author

of the six-volume text *Chinese materia medica*. Since 1932 Dr. Read had been in Shanghai and was interned there during the war. He later reestablished the institute, which had been pillaged of its equipment by the Japanese.

Roy Selden Cook, 58, professor of chemistry and head of the Department of Chemistry of Mary Washington College of the University of Virginia, died of a heart attack on June 18 at Fredericksburg, Virginia.

Charles Alfred Weatherby, 73, research associate of the Gray Herbarium of Harvard University, died June 21 at his home in Cambridge, Massachusetts. Mr. Weatherby had served as a member of the International Commission on the Nomenclature of Plants since 1935 and was recently appointed a vice-president of the Section on Nomenclature of the International Botanical Congress to be held in Stockholm in 1950.

William Frederick Prouty, 69, head of the Department of Geology and Geography at the University of North Carolina, died June 27 of a heart attack. Dr. Prouty had done extensive research on the origin of the bays and lake basins of the Carolinas.

Robert A. Blum, 28, research associate of the Yerkes Laboratories of Primate Biology, Orange Park, Florida, with rank of assistant professor at Yale University, died June 30.

Alexander MacLeod Fraser, 42, professor of pharmacology at Dalhousie University Medical School, Halifax, Nova Scotia, died on July 8. Dr. Fraser had been at Dalhousie less than a year and previously he had held the rank of of assistant professor at McGill University. During World War II he was engaged in the study of the physiology of high altitudes.

Wallace W. Atwood, 76, president emeritus of Clark University, Worcester, Massachusetts, died July 24. Dr. Atwood was professor of physiography at Harvard University from 1913 to 1920. He founded the Clark School of Geography and directed it until his retirement.

Plans have been announced for publication of the **Proceedings of the Seventh Pacific Science Congress**, held in New Zealand in February. It is expected that the printing will be completed by March, 1950. The six volumes—which comprise general proceedings; geology, geophysics and volcanology; meteorology and oceanography; zoology; botany and soil resources, agriculture and forestry; and anthropology—will be sold at a total estimated cost of \$26.80, or as single volumes. The larger the initial order for printing, the lower the cost of the individual volumes will be. Early registration, therefore, with the Secretary-General, Pacific Science Congress, Box 27, Newmarket, Auckland S. E. 1, New Zealand, will contribute to lowering the cost. Complimentary copies of the proceedings will be available only to official members of the congress.

The Hall of Comparative Anatomy of the **American Museum of Natural History** has placed on exhibit a domestic donkey, last mounted specimen of the late S. Harmsted Chubb, who at the time of his death on May 6, 1949, was associate curator emeritus of comparative anatomy. Dr. Chubb had developed a realistic technique for mounting animals to show their characteristic action. The entire collection of his specimens, prepared during his forty-eight years at the Museum, will remain on permanent display there.

The **Director of Translators and the Translations Pool** (see *Science*, June 10, page 601) are now both under the sponsorship of the entire Special Libraries Association located at the Southwest Research Institute in San Antonio, Texas. The expanded services of the Translations Pool now include cards for 13,000 translations.

Studies in Air Hygiene, a report on the techniques for reducing airborne bacterial contamination through the use of filters, ventilating equipment, and chemical sprays, is now available. The report, published by the British Medical Research Council, discusses various instruments for sampling air; chemical,

ultraviolet, heat, and filtration methods of air disinfection; field studies of air contamination in public places, homes, factories, and warships; and various air disinfection methods now available. The report may be obtained from British Information Services, 30 Rockefeller Plaza, New York 20, New York, at \$2.35.

The **Veterans Administration Hospital at Hines, Illinois** is seeking a biochemist for its recently established neuropsychiatric laboratory. It is preferable that the applicant have a Ph.D. and experience in medical research. The starting salary for this position is \$5,232 a year, with periodic increases up to a maximum of \$6,235.

The **Southern Association of Science and Industry** has adopted as its official publication the new *Journal of Southern Research*. The journal contains a section reviewing technical works of Southern authors, a page listing patents issued to Southern inventors, and a news section devoted to the activities of Southern scientists.

Recently Received—

International Council of Scientific Unions, report of the Executive Committee for 1948. Printed at the University Press, Cambridge, England. Price 5s.

Nutrition Surveys: Their Techniques and Value. (NRC bull. 117). Published by the National Research Council, National Academy of Sciences, Wash. 25, D. C. Price \$1.50.

Vertebrate Embryology by Richard M. Eakin. (University of California Syllabus Series No. 314). University of California Press, Berkeley and Los Angeles. \$1.25.

“Murex Limited” (descriptive booklet outlining availability and industrial uses of Murex metallurgical and chemical products). Murex Ltd., Rainham, Essex, England.

Proceedings of the Auburn Conference on Statistics Applied to Research in the Social Sciences, Plant Sciences, and Animal Sciences, September 7–9, 1948. Sta-

tistical Laboratory, Alabama Polytechnic Institute, Auburn, Alabama.

Tracts for Computers: Random Normal Deviates, by Herman Wold. (No. XXV.) Cambridge Univ. Press, 51 Madison Avenue, New York 10, N. Y. \$1.25.

Nuclear Instrument Handbook. (Reprinted from *Nucleonics*.) McGraw-Hill Publishing Co., New York 18, N. Y.

Cinchona Review edited by Albert Hemming. Cinchona Products Institute, Inc., New York, N. Y.

Right of Way Maintenance by Plant-Community Management by Frank E. Egler. Copies available from Conn. Tree Protective Association, Waterbury 84, Conn. at 30¢.

Proceedings of the Federal Inter-Agency Sedimentation Conference (held at the Bureau of Reclamation Laboratories, Denver, Colorado, May 6–8, 1947). Prepared for publication by the Bureau of Reclamation, U. S. Dept. of the Interior, Washington, D. C., from which copies are available for limited distribution.

Electronique Magnetonique et Radiation by Maurice Ducharme. Montreal Radio College, Montreal, Canada.

Conference on Metabolic Aspects of Convalescence: (1) Transactions of the Sixteenth Meeting, New York, October 27–28, 1947, (2) Transactions of the Seventeenth Meeting, New York, March 29–30, 1948. Available from Josiah Macy, Jr. Foundation, New York 21, N. Y. at \$3.00 and \$4.00 respectively.

Make Plans for—

Conference on Low Temperature Calorimetry, September 10, Massachusetts Institute of Technology, Cambridge.

American Chemical Society, 116th national meeting, September 18–23, Atlantic City, New Jersey.

Illuminating Engineering Society, national technical conference, September 19–23, French Lick, Indiana.