

NEWS

and Notes

Paul B. Pearson, former head of the Department of Biochemistry and Nutrition and dean of the Graduate School of Texas Agricultural and Mechanical College, has been appointed acting chief of the Biology Branch, Biology and Medicine Division of the Atomic Energy Commission. Dr. Pearson succeeds **James H. Jensen**, who has been on leave of absence from North Carolina State College and will return there as director of the Plant Pathology Division.

John M. Stalnaker, professor of psychology and former dean of students at Stanford University, has been named professor of psychology and coordinator of psychological sciences and services at Illinois Institute of Technology.

Robert F. Pitts, professor of physiology and director of the physiology laboratory at the Syracuse University Medical School since 1946, will return to the Cornell University Medical College faculty as head of the Department of Physiology and Biophysics and professor of physiology. Dr. Pitts was a staff member of Cornell Medical College from 1942 to 1946.

William F. Hester, former director of insecticide and fungicide research of the Rohm and Haas Company in Philadelphia, has been named administrator of the fellowships of Koppers Company, Inc., at the Mellon Institute. Dr. Hester will direct the work of the 98 scientists and their aides engaged in research and development work on the 13 fellowships.

A. C. Leopold, former research physiologist at the Hawaii Pineapple Company, Honolulu, has joined the staff of the Horticulture Department of Purdue University. Dr. Leopold will direct research on the flowering and nutrition of greenhouse plants.

Alfred G. Susie, chief chemist at Marbon Corporation, Gary, Indiana, has been appointed supervisor of plastics research at Armour Research Foundation of Illinois Institute of Technology. Dr. Susie will be in charge of research projects dealing with plastics in the chemistry and chemical engineering department of the foundation.

Ray Pepinsky, Alabama Polytechnic Institute, has been appointed research professor of physics at Pennsylvania State College. Dr. Pepinsky will be director of the X-Ray and Crystallography Laboratory, where he will make use of the electronic computer which he developed under contract with the Office of Naval Research.

Visitors to U. S.

Paul Rivet, director of the Musée de l'Homme, Paris, and **Claude Lévi-Strauss**, French anthropologist, were honor guests at a reception given for the members of the 29th International Congress of Americanists on September 9 in New York City.

Antonio Goubaud Carrera, of the National Indianist Institute, Guatemala City, was one of the principal speakers at the conference on Middle American Ethnology and Social Anthropology, held in New York City, September 5-12, in conjunction with the 29th International Congress of Americanists.

Visitors at the National Bureau of Standards during the week of August 29 included **D. de Klerk**, **K. W. Takonis**, and **C. J. Gorter**, of the University of Leiden, Holland; **G. C. Ellis**, metallurgist with the Armament Research Establishment of the Woolwich Arsenal, London, England; **N. Kurti** of the Clarendon Laboratory, Oxford, England; **Benjamin Mantel M.**, chemical engineer with the Public Works Department, Havana, Cuba; **C. Nanjudayya**, research officer, Technological Laboratory, Indian Central Cotton Committee, Bombay, India; **A. van Itterbeek**, director, Low Temperature Laboratory, University of Louvain, Belgium; and **Fredrik Dahlgren**,

head of the Electrical Engineering Department, Royal Polytechnic Institute, Stockholm, Sweden.

Grants and Awards

The **John Simon Guggenheim Memorial Foundation** has awarded 22 Latin American fellowships, totaling \$70,000, to assist Latin Americans in carrying on research and creative work in the U. S. Fields of investigation in which scientists were honored include medicine, zoology, paleontology, botany, and mathematics. The foundation awards are the twentieth in its annual series of inter-American fellowships. Last April the foundation granted 144 fellowships to citizens and permanent residents of the U. S. and Canada.

At a special convocation held on the 200th anniversary of the birthday of Goethe, the **University of Frankfurt** conferred honorary degrees on the following scientists: M.D. degree—**Franz Bluntschli**, professor of anatomy at the University of Bern, and **Paul Weiss**, professor of zoology at the University of Chicago; Ph.D. degree—**Otto Hahn**, professor of physics at the University of Goettingen and director of **Max Planck Gesellschaft**, and **Ferdinand Blum**, former collaborator of **Paul Ehrlich**.

The **John Price Wetherill Medal** of the Franklin Institute of the State of Pennsylvania has been awarded to **Edgar Collins Bain**, vice president in charge of research and technology at the Carnegie Illinois Steel Company. Dr. Bain has been honored for his research in the structure of metallic alloys and the application of the isothermal method to the study of the rates of transformation in steel.

The new **\$1,000 Precision Scientific Company Award in Petroleum Chemistry** will be granted to **Bruce H. Sage**, professor of chemical engineering at the California Institute of Technology. Dr. Sage, who is also associate director of engineering and head of the explosives department at the Naval Ordnance Test Station, Inyokern, California, will receive the prize at the national meeting of the American Chemical

Society in Atlantic City, New Jersey, on September 19. The society's **\$1,000 Award in Pure Chemistry** will be presented at the same time to Richard T. Arnold, professor of organic chemistry at the University of Minnesota. Dr. Arnold will be honored for his work in the mechanisms of reactions and the nature of aromatic nuclei.

The **Frederick Ives Medal** of the Optical Society of America has been awarded to George R. Harrison, dean of science at Massachusetts Institute of Technology. The medal will be presented at the annual meeting of the society at Buffalo in October.

The **Elmer Hess Prize** of the Northeastern Section of the American Urological Association has been presented to Howard T. Thompson, Buswell Fellow in the Department of Surgery of the University of Rochester School of Medicine and Dentistry, for his report on animal experiments in cancer of the bladder.

Meetings and Elections

An important discussion of legislative matters affecting science and scientists took place on Aug. 24, at the Marine Biological Laboratory, Woods Hole, Massachusetts. Howard A. Meyerhoff, Executive Secretary of the AAAS, led a meeting on the National Science Foundation and on the problems raised by the loyalty investigations of scientists.

The Report of the AAAS Special Committee on Civil Liberties of Scientists, recently approved by the AAAS Council, was summarized. Its conclusions (*Science*, Aug. 19, 1949, pp. 177-9) strongly condemn the application of security clearance and the Loyalty Order to others than those working in military research. The linkage of the problem of federal support of science and the current hysteria on clearance and loyalty was emphasized in the discussion. Scientists generally recognize that effective development of science through federal support is being threatened by the indignity and insecurity to which scientists are exposed by investigations which probe thoughts and private lives rather than specific deeds.

Detlev W. Bronk, chairman of the National Research Council, stated that the NRC is unequivocally opposed to application of clearance procedures to any scientist not working on classified projects, but will continue administering funds because some 50 present fellows, whose grants are to be renewed on October 1, might otherwise be unable to continue. According to Dr. Bronk, the failure of individual scientists and of scientific bodies to take a firm, public stand on so vital a matter of scientific and national policy already has weakened the position of the NRC.

The ensuing discussion emphasized the need for scientists and scientific organizations to become acquainted with what is happening and to take prompt and decisive action to stop the indiscriminate extension of security regulations so fatal to the free development of science. Over 100 scientists at Woods Hole affixed their names to an endorsement of the AAAS report within a few days after the discussion.

The question was also raised whether the NRC, if it were to accept administration of funds under security restrictions to individual and scientific freedom, would endanger for the sake of some 50 present AEC fellows, the long-term welfare of the nation's science. The point was raised that a flat refusal by the NRC to administer such funds might actually lead Congress to remove the restrictions rather than to abandon the fellowship program.

Dr. Bronk stated that the NRC needs the support of the body of American scientists. To obtain such support, it was proposed by participants at the meeting, (1) That the NRC institute a poll of all scientists, asking an expression of opinion regarding administration of funds where restrictions on education are involved. This poll could be held expeditiously by allocating a page in *Science* to the question with a returnable answer form. (2) That the Council inform the present AEC fellows of its opposition, on principle, to the blanket requirements of clearance; that its decision to continue administering the present fellowships is based on its unwillingness to jeop-

ardize the stipends; and that it will not administer the fellowships unless a majority of the fellows so desire. The council should further pledge that if present fellows wish to seek stipends or positions elsewhere, it will assist them.

A suggestion to provide emergency stipends for those AEC fellows who elect not to accept renewals under the restrictions and who cannot immediately get other fellowships or positions was made. To provide for the latter, a campaign should be launched among scientists and scientific societies for a special emergency fund to which individual scientists would each pledge \$5 or more. These suggested actions would demonstrate to the Congress and to the public that scientists feel strongly about the rising tide of restrictions which threaten the future of the nation's science and its welfare. That scientists are reacting to these threats is made evident by three communications appearing simultaneously in the August 19 issue of this journal. They are: (1) The report of the AAAS Committee, (2) the condemnation of the O'Mahoney rider by the AEC General Advisory Committee, and (3) a letter from Marshall Stone explaining his resignation from the NRC Committee on Post-Doctoral AEC Fellowships.

ROBERT CHAMBERS
HARRY GRUNDFEST
ROBERT HODES

A **symposium on large-scale digital calculating machinery** will be held September 13-16 at Harvard University under the joint sponsorship of the university and the U. S. Navy Bureau of Ordnance. The purpose of the meeting is to consider use of the machines for solving problems in the social sciences, physiology, and psychology. These problems will be discussed at the final session of the meeting by specialists in the human and social sciences. Other sessions, which will be attended by scientists, government officials, and businessmen, will cover the entire field of these machines.

A **symposium on brucellosis** will be held September 22-23, under the joint sponsorship of the National In-

stitute of Health, Bureau of Animal Industry, and National Research Council. Twenty-four papers will be presented at the five sessions to be held in Wilson Hall, Administration Building, National Institutes of Health, Bethesda, Maryland. Morning sessions will begin at 9:30, afternoon sessions at 1:30, and the evening session, September 22, at 8:00. Printed programs will be available in advance of the meeting. C. L. Larson, of the institutes' Laboratory of Infectious Diseases, and C. K. Mingle, of the Department of Agriculture's Tuberculosis and Brucellosis Eradication Division, are in charge of the program. Preliminary plans have been made to publish the papers in a new symposium series sponsored by the AAAS and the National Institutes of Health.

The Society of Rheology will hold its 20th Annual Meeting in New York City on November 4-5, at the Hotel New Yorker. Eighteen papers on the flow and deformation of matter will be presented. Non-members are invited to attend. Programs may be obtained in advance of the meeting by writing to Earl K. Fischer, Secretary-Treasurer, 107 Washington Avenue, Charlottesville, Virginia.

The American Society for Pharmacology and Experimental Therapeutics will hold its first interim meeting in Indianapolis, November 17-19. The scientific sessions will be held at the Indiana University Medical Center.

The Roscoe B. Jackson Memorial Laboratory has appointed Leslie C. Dunn, head of the Genetics Department of Columbia University, as president of its new board of scientific directors. James B. Murphy, head of the Cancer Research Department of the Rockefeller Institute, was chosen vice president. Members of the board include Clarence C. Little, director of the laboratory; Frank Beach, professor of psychology at Yale University; Homer Smith, professor of physiology at New York University; Merle Tuve, physics professor at Johns Hopkins University; Edwin B. Wilson, vice

president of the National Academy of Sciences; and Sewall Wright, professor of genetics at the University of Chicago.

Deaths

Percy Edward Newberry, 80, Egyptologist, died August 7 at his home in Surrey, England. Professor Newberry was professor of ancient Egyptian history and archaeology at Cairo University from 1929 to 1933, and a former president of the Anthropological Section of the British Association for the Advancement of Science.

Walter A. Hynes, 52, president of the Metropolitan Microchemical Society and professor of analytical chemistry at Fordham University, died of a heart attack August 21 at St. Joseph's Hospital, Yonkers, New York.

Sir Frederick William Moore, 91, Irish botanist, died in Dublin August 24. Sir Frederick was a former president of the Royal Zoological Society of Ireland, and Keeper of the Royal Botanic Gardens, Glasnevin, Dublin, from 1879 to 1922.

Edwin B. Powers, 69, head of the University of Tennessee Department of Zoology for 25 years, died August 26 at Knoxville. Dr. Powers was an expert on salmon migration and fish physiology.

Boris Krichesky, 45, associate professor and chairman of the Department of Zoology, University of California, died of a heart attack on August 28th while vacationing in Oregon. Dr. Krichesky contributed extensively to the field of endocrinology.

A survey of medical and hospital care has been initiated by Brookings Institution. The project is the first to attempt to include all sources of health services and facilities. It is estimated that the study will be completed in two years by a full-time staff of eight, with the participation of specialists in various fields who will be called in as consultants. The

cooperation of national professional societies, labor organizations, insurance companies, governmental agencies (federal, state, and local), industrial health organizations, farm groups, and other groups is being solicited.

Present plans call for publication of findings in two volumes: the first, a comprehensive and statistical report which will make available data on the extent of medical care and provisions for meeting the cost through insurance or prepayment plans, or through public services or private philanthropy; the second, based upon facts presented in Volume I, would evaluate the plans now in operation and those proposed.

The American Society of Human Genetics, which was organized about a year ago, will start to publish in October a journal pertaining to research in human genetics. The publication is called *The American Journal of Human Genetics*, and will be edited by C. W. Cotterman, Heredity Clinic, University of Michigan, Ann Arbor. Manuscripts for consideration should be sent to Dr. Cotterman. The journal will appear in annual volumes of four issues each at \$8.00 per volume. Subscriptions should be addressed to the secretary of the society, Herluf H. Strandkov, Department of Zoology, University of Chicago, Chicago 37.

The National Bureau of Standards announces the following recent additions to the series of 169 compounds now available as standard samples of hydrocarbons for calibrating analytical instruments and apparatus in the research, development, and analytical laboratories of the petroleum, rubber, chemical, and allied industries: n-tridecane, cis-2-hexene, 4,4-dimethyl-trans-2-pentene, 1,2,3,5-tetramethylbenzene, 1-methyl-4-tert-butylbenzene, naphthalene, and 2-methylnaphthalene. A complete list of samples may be obtained from the National Bureau of Standards, Washington 25, D. C.

The National Geographic Society will sponsor a field survey of the scarlet ibis in the hinterlands of Venezuela. Paul A. Zahl, biologist and ornithologist of New York City,

will direct the expedition, which will study the nesting practices, habitat, and migration of the scarlet ibis and other bird life of the area. Dr. Zahl hopes to locate colonies of the scarlet ibis in rookeries deep in the flooded llanos of Venezuela's State of Apure, which can be reached only by small boat or horseback. The birds are reported to have sought refuge with herons, other ibis varieties, and possibly spoonbills.

Dr. Zahl will make his headquarters in San Fernando, where he will be joined by native helpers. The government of Venezuela will cooperate with him to further the work of the project. The expedition will be assisted by William Phelps, resident associate in Caracas of the American Museum of Natural History.

The new system of electrical measurement using absolute units, adopted by the International Conference of Weights and Measures and officially instituted January 1, 1948, is described in a new booklet, Circular C475, *Establishment and Maintenance of the Electrical Units*, published by the National Bureau of Standards and available at 25 cents a copy from the U. S. Government Printing Office, Washington 25, D. C. The booklet gives an account of the working, history, and maintenance of the international system of electrical units. Also described are the methods used in the measurements that now form the basis for the absolute units, in which all certifications for standards and instruments are given by the National Bureau of Standards.

The Registry of Rare Chemicals, 35 West 33rd Street, Chicago 16, Illinois, lists the following wanted chemicals: 1,4-dihydropyrazine-2,3-dione, 1,2-dihydropyridazine-3,4-dione, 1,2-dihydropyridazine-3,6-dione, *l*-mannose, *l*-galactose, naringenin, 2-methyl-3-hydroxy- γ -pyrone, phosphorylthiocholine, phosphorylcholine, coniferyl aldehyde, imperatorin, 6-ketoprogesterone, 2-methyl-5-hydroxypropiofenone, 2-methyl-3-nitropropiofenone, 2-methyl-5-aminopropiofenone, sulfanylthiourea, phloretin, cyclobutane, cyanogen, and 2-thio-4-aminopyrimidine.

Make Plans for—

American Society of Photogrammetry, regional meeting, October 3-4, Denver, Colorado.

American Dietetic Association, 32nd annual meeting, October 11-14, Denver, Colorado.

American Association of Petroleum Geologists, October 12-15, Biloxi, Mississippi.

American Dental Association, October 17-21, San Francisco.

Symposium on small angle X-ray scattering, October 21-22, University of Missouri, Columbia.

National Academy of Sciences, autumn meeting, October 24-26, University of Rochester, New York.

Optical Society of America, 34th annual meeting, October 27-29, Hotel Statler, Buffalo, New York.

Recently Received—

Journal of the Council for Scientific and Industrial Research, Commonwealth of Australia. (Quarterly publication.) Direct inquiries to J. J. Gourley, Govt. Printer, Melbourne, Australia.

Study of the Interrelationships of Psychological and Physiological Measures on Submarine Enlisted Candidates by Ellsworth B. Cook and Robert J. Wherry. Issued by Medical Research Laboratory, U. S. Naval Submarine Base, New London, Conn.

Cochise and Mogollon Sites, Pine Lawn Valley, Western New Mexico, by Paul S. Martin, John B. Rinaldo, and Ernst Antevs. (Fieldiana: Anthropology, Vol. 38, No. 1.) Issued by Chicago Natural History Museum, Chicago, Ill. \$3.50.

Table of Sines and Cosines to Fifteen Decimal Places at Hundredths of a Degree. (National Bureau of Standards, Applied Mathematics Series No. 5, 1949.) Available from Supt. of Documents, U. S. Govt. Prntng. Office, Washington 25, D. C. at 40 cents.

El Aliso (series of papers on the native plants of California), Vol.

2, #1, including "A Long Term Test of Seed Longevity." Rancho Santa Ana Botanic Garden, Route 3, Anaheim, Calif. \$5.00 per volume.

List of Scientific Papers Published in the Middle-East, May 1949 issue. Unesco, Science Cooperation Office—Middle-East, Cairo, Egypt.

The Terena and the Caduveo of Southern Mato Grosso, Brazil by Kalervo Oberg. (Smithsonian Institution, Institute of Social Anthropology, Publ. No. 9, 1949.) Order from Supt. of Documents, U. S. Govt. Prntng. Office, Washington 25, D. C. Price 60 cents.

Guide to the Collection of Rocks in the British Museum. (2nd ed.) Order from British Museum (Natural History), London, S. W. 7. One shilling.

Third Annual Report of the South African Council for Scientific and Industrial Research. Printed by Cape Times, Ltd., Cape Town, South Africa.

The deadline for the receipt of nominations by fellows of the AAAS for the **Theobald Smith Award in Medical Sciences**, established in 1936 by Eli Lilly and Company, has been extended to *October 30*. For the conditions of this annual award, which consists of \$1,000, a bronze medal, and travel expenses up to \$150, see *Science*, July 15, p. 80. Nominations should be sent to Dr. Gordon K. Moe, secretary of Section N, Medical School, University of Michigan, during September, and to Dr. Malcolm H. Soule, chairman of the Award Committee, same address, during October.

Entries in the **Annual International Photography-in-Science Salon**, sponsored jointly by *The Scientific Monthly* and the Smithsonian Institution, will be accepted by the Editor, *The Scientific Monthly*, 1515 Massachusetts Ave, N.W., Washington 5, D. C., up to the date of judging, *September 24, 1949*.