

NEWS and Notes

1949 Annual Meeting of the AAAS. The 116th Meeting of the American Association for the Advancement of Science will be held December 26-31, 1949, in New York City. The Association has held only five meetings in this city—the last, 21 years ago. The other occasions in New York were in 1916, 1906, 1900, and 1887. The 115th Meeting commemorated the Association's Centennial, September 13-17, 1948, in Washington, whereas the last meeting during the Christmas holidays—the period preferred by a large majority of the members—was held in 1947 in Chicago.

All plans for 1949 are based on the assumption that this will be the largest gathering of representatives from the 17 sections and subsections and 206 affiliated and associated societies in the 101 years of the AAAS. It will undoubtedly be one of the most convenient meetings from the standpoint of all concerned. The Statler Hotel (formerly the Pennsylvania) will be the headquarters for the Annual Science Exposition, Main Registration, Visible Directory, New Member Service, and Science Theatre. Its four close neighbors, the New Yorker, McAlpin, Governor Clinton, and Martinière, have also pledged their public rooms for the convention period. Thus, related societies may be grouped together and it is probable that most of the papers will be read in rooms so close together that those who so desire can readily attend a variety of sessions. These Penn Zone hotels also have made commitments for 3,500 sleeper rooms, many of them double, so that adequate accommodations are assured. The New York Convention Bureau will handle all room reservations and hotels will send prompt confirmations directly. *Science* will announce soon which societies are meeting with the Association, and the hotels at which their meetings will be held. Advance registration and hotel room reservation will begin in September.

Frank A. Geldard, on leave of absence from the University of Virginia, has been appointed research chief of the Human Resources Branch, Division of Research and Development, Department of the Air Force, Washington, D. C.

Thomas Park, on leave of absence from the University of Chicago, has left for London, where he will be senior scientific officer of the American Embassy.

David Rittenberg, associate professor of biochemistry, College of Physicians and Surgeons, Columbia University, will deliver the seventh Harvey Lecture of the current series at the New York Academy of Medicine on April 28. His topic will be "Dynamic Aspects of the Metabolism of Amino Acids."

E. D. Friedman, staff member of New York University since 1909, was guest of honor at the Alumni Dinner of the University College of Medicine held recently.

Stanley Wing Handford, Brown University, has been named senior physiologist at the Naval Medical Field Research Laboratory, Marine Barracks, Camp Lejeune, North Carolina, April 1.

Recently appointed members of the permanent U. S. Atomic Energy Commission's Personnel Security Review Board are **Charles Fahy**, former Solicitor General of the United States, who will serve as chairman; **Arthur S. Flemming**, president of Ohio Wesleyan University; and **Bruce D. Smith**, director of the United Corporation, New York City. The Board will review individual personnel security cases, and advise the commission on personnel security standards and procedures.

Henry M. Leicester, professor of biochemistry at the College of Physicians and Surgeons, San Francisco, has been named to succeed the late Tenney L. Davis, as editor-in-chief of *Chymia: annual studies in the history of chemistry*. **John Read**, director of the Chemistry Research Laboratory, University of St. Andrews, Scotland, is the new associate editor.

C. C. Burlingame, consulting psychiatrist, recently visited India on a speaking tour by invitation of the Indian Psychiatric Society. While there he addressed the All-India Medical Conference at its silver jubilee meeting in Calcutta, and the annual meeting of the Indian Science Congress in Alla Habad.

Irven Travis, former supervisor of research at University of Pennsylvania's Moore School of Engineering, has been appointed director of research of the Burroughs Adding Machine Company. Dr. Travis will continue to be a member of the university faculty.

Pablo Morales-Otero, director of Puerto Rico's School of Tropical Medicine, has been appointed to the medical faculty of Columbia University.

R. H. Wiswall, Jr., supervisor of research in physical chemistry for the Carbide and Carbon Chemical Corporation's gaseous diffusion plant at Oak Ridge, has recently joined the staff of Brookhaven National Laboratory in the Department of Reactor Science and Engineering.

Emanuel B. Schoenbach, Department of Preventive Medicine, Johns Hopkins University School of Medicine, will serve as visiting Commonwealth Professor of Medicine at the University of Louisville School of Medicine, April 17-23. He will present a series of discussions on "The Mechanism of Actions and Indications for the Newer Antibiotics," "The Treatment of Rickettsial Infections," and "Experimental Investigations on the Chemo-Therapy of Neoplasms."

Eugene Callaghan, Department of Geology, Indiana University, has been appointed director of the New Mexico Bureau of Mines and Mineral Resources Division of the New Mexico School of Mines, Socorro. He will take over his new duties in September.

Donald B. Keyes, vice president in charge of planning and development of the Heyden Chemical Corporation, New York City, will be presented with the first Honor Scroll of the New York chapter of the American Institute of Chemists, for his service and devotion to young chemists. He will receive

the award May 18, at a dinner meeting of the Institute.

Visitors

Miguel Catalan, professor of atomic physics at the University of Madrid, is guest lecturer at Wilson College this month. He is lecturing on physical problems and working with students in the department of physics on spectroscopy and atomic physics.

H. M. S. Coxeter, professor of mathematics of the University of Toronto, has been named visiting professor at Barnard College, Columbia University, for the spring session.

Grants and Awards

The Research Corporation Scientific Award was recently presented to Bruno Rossi, professor of physics at the Massachusetts Institute of Technology, for distinguished research in the fields of cosmic radiation and properties of mesons, and for his work in nuclear fission. Dr. Rossi received a plaque and \$2,500.

The National Dairy Council, Chicago, has announced its 1949 research program, involving an expenditure of \$75,000. Funds for the projects are provided either by the American Dairy Association, Chicago, or the National Dairy Council. Grants for nutritional research in the use of dairy products have been made to: Michigan State College, University of Chicago, University of Wisconsin, Iowa State College, Texas A. & M., University of Rochester, University of Illinois, University of Minnesota, University of Nebraska, Harvard University, and University of Massachusetts, and the University of Michigan.

The American Academy of Arts and Sciences has chosen Ira S. Bowen, director of the Mount Wilson and Palomar Observatories in California, as recipient of the 1949 Count Rumford medals, for discoveries in the fields of heat and light.

National Cancer Institute grants totaling \$451,622 for cancer teaching and control have been announced by the Federal Security Agency. Nine control grants totaling \$170,205 were approved. Three of these, amounting to \$69,114, are new grants, to finance

a state environmental cancer study in Pennsylvania and two cancer diagnostic test projects, at the University of California and the University of Colorado. Two new teaching awards were made, one of \$23,339 to Vanderbilt University School of Medicine and one of \$5,000 to the University of Southern California School of Dentistry.

The Royal Society of Edinburgh will award its David Anderson-Berry medal for 1950 to the person who, in the opinion of the Council, has recently produced the best work on the therapeutical effect of X-rays on human diseases. About £100 goes with the award. Both published and unpublished works are acceptable and should be accompanied by copies of relevant papers. Applications must be in the hands of the General Secretary, Royal Society of Edinburgh, 22 George Street, Edinburgh 2, Scotland, by March 31, 1950.

William C. Rose, University of Illinois, has been selected to receive the first **Osborne and Mendel Award** of the American Institute of Nutrition. Professor Rose was associated with the two founders of the award at Yale.

The General Electric Company has awarded from its Educational Fund \$18,460 in research fellowships to 15 graduate students for advanced study in scientific and industrial fields during 1949. Seven of the students received the Charles A. Coffin Fellowships, for study in electricity, physics, and the physical sciences. Eight others were awarded the Gerard Swope Fellowships, for study in industrial management, engineering, and the physical sciences. The winners received up to \$1,500, plus a grant for special equipment needed in their chosen field.

Fellowships

The University of Rochester has established five three-year Bausch-Lomb scholarships to go to graduates of Puerto Rican high schools. Both boys and girls are eligible, and the scholarships amount to \$1,500 each, to be used over the three-year period in study of the sciences.

The Watson Scientific Computing Laboratory at Columbia University announces two \$2,000 fellowships in

applied mathematics during the academic year 1949-1950, for study and research relating to large scale calculating operations. Application blanks may be obtained from the Office of Admissions, Columbia University, New York City, and must be returned before April 15.

Lehigh University announces the following fellowships available for the academic year 1949-1950: Two du Pont Company fellowships—one in mechanical, one in metallurgical engineering (\$1,200 to \$1,800); one Westinghouse fellowship in mechanical engineering (\$1,000); and one George Gowen Hood fellowship in any field of work in which the University offers a doctorate (\$1,500). Application blanks may be had by writing Dean Wray H. Congdon, Director of Admissions, Lehigh University, Bethlehem, Pennsylvania.

Battelle Memorial Institute offers a limited number of predoctoral research fellowships and postdoctoral research associateships for the year 1949-1950. The fellowships, open to men, U. S. citizens, seeking a doctor's degree in a science or in engineering, are available for the final year of graduate study. Fellows receive \$1,200 a year, plus expenses. Preference for associateships will be given to men who hold the Ph.D. degree, and stipends will be determined by the associates' preparation, experience, and promise. Further information may be had by writing to the Institute, 505 King Avenue, Columbus 1, Ohio.

The New York Zoological Society announces a veterinary research fellowship of \$500 for three months—June 15-September 15, at the New York Zoological Park. The recipient must have a veterinary degree from an American Veterinary Medical Association approved college, and show special interest in such fields as zoology, wildlife management, comparative anatomy, physiology, bacteriology, parasitology, and pathology. Applications should be addressed to Leonard J. Goss, Veterinarian, New York Zoological Society, Zoological Park, New York City 60.

Lehigh University has announced the establishment of a new **International Nickel Company** research fellowship for work in the fields of nickel, copper,

and the platinum metals. The first recipient of the \$1,500 award will be named later this year and will start work in September in the University's department of metallurgy.

Research fellowships in mathematics and mathematical physics for the summer of 1949 and the academic year 1949-1950 are offered to qualified graduate students by the Institute for Numerical Analysis of the National Bureau of Standards, located at the University of California, Los Angeles. The research work, to be done at the Institute, will be aimed at methods for advancing the application of high speed automatic digital computing machinery. Stipends are based on full-time annual salaries of \$2,294 for master's degree candidates, and \$3,727 for doctoral candidates. Further information and application forms may be obtained from the Chief, Institute for Numerical Analysis, 405 Hilgard Avenue, Los Angeles 24.

Colleges and Universities

The University of Illinois Chemistry Department has been awarded \$10,000 by the E. I. du Pont de Nemours Company for fundamental research. C. S. Vestling and B. R. Ray will be assigned \$7,000 for research on the purification and characterization of the enzyme, rat liver lactase dehydrogenase. H. G. Driekamer will receive \$3,000 for research on nuclei formation in the critical region between the gaseous and the liquid state.

The Ohio State University Development Fund has received a second gift of \$1,000 from John W. Galbreath, of Columbus, for research, particularly on cancer, in the University's Department of Medicine. The study will be under the direction of Charles A. Doan, dean of the College of Medicine.

The University of Illinois College of Agriculture is investigating methods of killing bacteria in milk or water by use of ultrasonic waves. The research is being carried on by Robert M. Whitney, professor of dairy technology, and Lillian A. Russell, Illinois State Water Survey chemist. No reportable results are expected for at least a year.

Lehigh University Institute of Research, in cooperation with the David E. Kennedy Corporation of Brooklyn, New York, has obtained fundamental data supporting the performance of finned tubing as about eight times better than plain tubing in heat exchange applications. Darrel E. Mack is director of the project.

Construction will start on the **University of California's new medical center** during the spring of 1950, when two major buildings—a medical science building and a 500-bed teaching hospital—go up on the site of the present medical center, in San Francisco. A total of \$21,080,000 is now earmarked for construction—\$20,015,000 of state funds, \$1,000,000 from the U. S. Public Health Service, and \$65,000 donated by Mr. and Mrs. Berthold Guggenheim.

Harvard University has created a new Division of Engineering Sciences within the Faculty of Arts and Sciences in order to help bridge the gap between pure science and the technology of engineering. The new division, under the chairmanship of Gordon M. Fair, present dean of the Graduate School of Engineering, will consist of two departments. The Department of Engineering Sciences and Applied Physics will offer graduate training in applied mathematics, applied physics, and electrical and communication engineering, directed by Emory Leon Chaffee; and the Department of Engineering a graduate program in applied mathematics, civil, electrical, and sanitary engineering, directed by Albert Haertlein.

Industrial Laboratories

Albert D. Fisher, formerly technical director of Oxford Products, Inc., has been appointed head of the newly organized **Midwest Chemical Development Corporation**, Cleveland, Ohio, manufacturers of pharmaceutical products. I. Levis, former faculty member of Case Institute of Technology and Fenn College, will be vice president in charge of research and production.

Schenley Laboratories, Inc., has announced that large scale production and marketing of streptomycin will soon begin at its Lawrenceburg, Indi-

ana plant. Schenley is also reducing prices 10 to 25 percent on three penicillin products. This is the third such reduction in a year affecting the pure crystalline penicillin and its compounds aquacillin and monocillin. The wholesale price is now less than one-eighth that of March 15, 1945.

Smith, Kline & French Laboratories, 108-year-old pharmaceutical manufacturing firm, opened a new \$7,000,000 building at 15th and Spring Garden Streets, Philadelphia, on March 12. The new building and grounds occupy a full city block and the space given to scientific research has been increased five times over that provided by former quarters. To carry new therapeutic agents progressively from chemical synthesis through animal testing, pharmacy, and bacteriology, the laboratories have been designed so that organic chemistry, pharmacology, research analytical and biochemistry laboratories are grouped on the fifth floor and pharmaceutical chemistry, bacteriology, and physical chemistry on the fourth.

Meetings and Elections

Stanford University School of Medicine announces its 67th course of **Popular Medical Lectures** to be held at Lane Hall, San Francisco, April 6, April 20, and April 27 at 8:00 p.m. Subjects of the lectures are: "Cancer of the Uterus," "Polio-myelitis: Means of Spread and Control," and "The Prevention and Treatment of Blindness in Childhood." All interested are invited to attend.

The Institute of Mathematical Statistics will hold its 38th meeting at Columbia University April 8-9. "Applications of Multivariate Analysis" will be discussed by John Wishart, Cambridge University; Harold Hotelling, University of North Carolina; and S. N. Roy, Presidency College, Calcutta.

The 16th International Geographical Congress will meet in Lisbon April 8-15. Members of the official U. S. delegation representing the National Research Council are: George B. Cressey, chairman; Wallace W. Atwood, Jr., S. W. Boggs, Edwin J. Foscue, Otto E. Guthe, S. Van Valken-

burg, and John K. Wright. The American delegation will present a number of proposals for new commissions, dealing with the International Map of the World, standardized spelling for place names, and the development of tropical areas.

The **Acoustical Society of America** will hold its 20th anniversary meeting May 5-7, at the Statler Hotel in New York City. Among the invited speakers are Philip M. Morse, Massachusetts Institute of Technology; Vern O. Knudsen, University of California at Los Angeles; and Harry F. Olson, RCA Laboratories. The research to be reported at the meeting will be grouped according to its function in relation to man, as follows: acoustics in comfort and safety, as a tool in physics, in the arts, and in communication. Those wishing to attend may obtain further information from Harold Burris-Meyer, Stevens Institute of Technology, Hoboken, New Jersey.

The **International Association for Dental Research's** New York Section will hold its May meeting at the New York University College of Dentistry on May 5. Members and guests wishing to present papers should communicate with the Secretary of the Association, 209 East 23rd Street, New York City 10.

The **Ohio Academy of Science** will hold its 58th annual meeting at Denison University, Granville, Ohio April 21-23. George B. Barbour, University of Cincinnati, will give the presidential address on the topic, "Ape or Man? The Recent Discoveries in South Africa."

Dana Coman, scientific advisor to the War Department General Staff, has been elected president of the **American Polar Society**. Vice presidents elected were: Laurence M. Gould, president of Carleton College; Thomas C. Poulter, director of Stanford Research Institute; and Finn Ronne, U.S.N.R., of Washington. All are polar expedition veterans. Russell J. Walrath, New York Times, was re-elected treasurer, and August Howard of New York, was again chosen secretary.

The **National Bureau of Standards** will hold two symposia on the effective

utilization of automatic digital computing machinery, both at the Bureau's Institute for Numerical Analysis in Los Angeles: Symposium I: "Construction and Applications of Conformal Maps," tentatively planned for June 24-25; Symposium II: "Probability Methods in Numerical Analysis," tentatively planned for June 27-29.

Deaths

Vincente Inglada Ors, 70, geophysicist and chief of the Spanish Seismological Service, died January 9.

Herbert H. King, 66, professor and head of the Chemistry Department, Kansas State College, from 1918 until his retirement in 1948, died in Manhattan, Kansas on March 11.

Samuel F. Hildebrand, 65, ichthyologist, died suddenly on March 16 in Washington, D. C. Dr. Hildebrand had served as director of the U. S. Fisheries Laboratory in Beaufort, North Carolina, as an ichthyologist for the Department of the Interior, and more recently as a staff member of the Smithsonian Institution.

George Burr Richardson, 76, senior geologist of the U. S. Geological Survey from 1900 until his retirement in 1942, died March 18 in Washington, D. C.

Cleveland Norcross, 37, general manager of the American Institute of Physics, died March 21 in New York City after an emergency operation for a brain tumor.

Harvey C. Rentschler, 67, visiting professor of engineering at Princeton University and retired research director of the Westinghouse lamp division, died in East Orange, New Jersey on March 23.

The first **Military Government German Industrial Exhibition** will be held at the Museum of Science and Industry, Rockefeller Center, New York City, April 9-24 under the auspices of the U. S., British, and French Military Governments. Aimed at re-introducing the peacetime products of western Germany to American purchasers, the Fair will have over 500 exhibits displaying a variety of imports, including X-ray equipment, tex-

tiles, precision instruments, photographic apparatus, pharmaceuticals, electrotechnical and optical products, and dental apparatus. The public is invited to attend the Fair any day from 1 p.m. to 10 p.m. Between 10 a.m. and 1 p.m. Monday through Friday, the exhibit is open to buyers exclusively.

The **Army Medical Service Corps** has a number of vacancies in the grades of 2nd and 1st lieutenants in the following specialties: bacteriology, biochemistry, parasitology, serology, entomology, nutrition, toxicology, industrial hygiene, optometry, psychiatric social work, clinical psychology, and sanitary engineering, under the provisions of the Department of Army Circular 210, dated July 14, 1948. Further information may be obtained from the National Military Establishment, Department of the Army, Office of the Surgeon General, Technical Office, Washington 25, D. C.

The **Unified Screw Thread system** agreed upon by Great Britain, Canada, and the U. S. by the Declaration of Accord signed last November in Washington, has recently been given final approval by the American Standards Association. A detailed analysis of the new system has been made, presenting in tables, diagrams, and formulas the dimensions of the unified threads, and also those threads which at present are standard in the U. S. alone. This analysis B1.1-1949 "Unified and American Screw Threads for Bolts, Nuts, and Other Threaded Parts" may be had by writing the American Standards Association, Inc., 70 E. 45th St., New York City 17.

Make Plans for—

American Association of Physical Anthropologists, April 11-13, Wistar Institute, Philadelphia, Pennsylvania.

1949 Conference of Corrosion Engineers, April 11-14, Cincinnati, Ohio.

6th Western Metal Congress and Western Metal Exposition, April 11-15, Shrine Convention Hall, Los Angeles.

Electrochemical Society, April 13-16, Philadelphia, Pennsylvania.