

NEWS

and Notes

The Royal Swedish Academy of Engineering Sciences has elected to membership **Glenn T. Seaborg**, Swedish-born chemist at the University of California in Berkeley.

Herman Mark, director of the Polymer Research Institute at the Polytechnic Institute of Brooklyn, has been invited by the Indian National Research Council to visit India in January and February and to deliver lectures on the scientific and practical aspects of the physics and chemistry of high polymers in universities and research institutions in Bombay, Delhi, Calcutta, Bangalore, and Madras. He will address the meeting of the Indian Academy of Sciences, December 29-31, in Bombay, and that of the Indian Association of Science in Poona, January 2-8. Dr. Mark is a member of the Indian Academy of Sciences.

Holbrook Mann MacNeille, chief of the Fundamental Research Branch of the U. S. Atomic Energy Commission, assumed executive directorship of the American Mathematical Society on November 14.

Lyman C. Craig, of the Rockefeller Institute for Medical Research, will deliver the third Harvey Lecture of the current series at the New York Academy of Medicine on December 15. Dr. Craig will speak on "Isolation and Characterization of Biologically Important Substances."

Perry W. Gilbert, associate professor of zoology at Cornell University and currently on sabbatic leave, is studying the origin and development of the human extrinsic ocular muscles as a guest investigator at the Carnegie Laboratory of Embryology, Baltimore. Dr. Gilbert will resume his teaching duties at Cornell on February 1.

George G. Gallagher was recently appointed assistant manager of the

Raw Materials Operations Office of the U. S. Atomic Energy Commission, where he will have direct supervision of the domestic uranium program of the AEC. He replaces **Jesse C. Johnson**, who recently became deputy manager. Before joining the AEC staff, Mr. Gallagher was general superintendent of the Compania Minera Venturosa in Mexico. During the war and until 1947 he was an engineer examiner in the mining section of the Reconstruction Finance Corporation.

William Vogt has resigned as chief of the Conservation Section of the Pan American Union, effective November 15.

John B. Youmans, dean of the University of Illinois College of Medicine, has resigned to take a similar post at Vanderbilt University, effective March 1, 1950. Dr. Youmans will succeed **Ernest Goodpasture**.

Guenter Schwarz and **George L. Rogosa** joined the staff of the Florida State University Physics Department this fall. Both men were formerly at the Institute of Cooperative Research, Johns Hopkins University.

Walter G. Schindler, Rear Admiral, USN, has been made deputy chief of research at the Navy's Bureau of Ordnance. He succeeds **Frederick I. Entwistle**, Rear Admiral, USN.

Visitors to U. S.

George Vaux, French archaeologist and professor at the Sorbonne is a visiting member of the Harvard University Classics Department, where he will lecture on Delphi.

Yoshio Kusama, chairman of the Japanese Council on Medical Education, and professor of preventive medicine at Keio University Medical School, Tokyo, is making a tour of leading American medical centers. He will return to Japan about the middle of February.

Sunder Lal Hora, director of the Zoological Survey of India, Indian Museum, Calcutta, visited centers of

zoological, fisheries, and oceanographic research in this country last month. During his stay he lectured at Yale, Berkeley, Washington University, and the University of Michigan, and at the National Museum and the Fish and Wildlife Service at Washington, D. C. His subjects were fish farming, with special reference to Indian and Chinese practices; study of adaptations among torrential fishes of India; and the zoogeography of India.

Visitors at the National Bureau of Standards last month included **N. D. Hill**, engineer, Research Laboratories of Elliot Brothers, London; **R. M. LeLacheur**, research physicist, National Research Council of Canada, Ottawa, who will be here for several weeks; **Torvald Malmstrom**, assistant director, Swedish Royal Academy of Engineering Sciences, Stockholm; **D. H. Sadler**, superintendent of H. M. Nautical Almanac Office, Royal Greenwich Observatory, Hailsham, Sussex; **F. Svensson**, of the Aeronautical Research Institute of Sweden; **Manuel S. Vallarta**, professor at the University of Mexico, temporarily with the Institute for Advanced Studies, Princeton; **Max Freson**, secretary, National Research Council, Brussels; **A. C. Menzies**, physicist, and controller of Research and Development, Hilger and Watts, Ltd., London; **S. A. Shareef**, director of engineering development, Government of Pakistan; and **A. C. S. van Heel**, professor, Technical University of Delft, Netherlands.

E. E. Evans-Pritchard, professor of anthropology at All Souls College, England, will be a visiting professor in the University of Chicago's Department of Anthropology during the winter quarter.

Abelardo Moreno, of the University of Havana, is in Washington, D. C. on a Guggenheim fellowship for one year's study. Dr. Moreno may be reached at the National Museum, Division of Birds.

Simón Markovich, head of the Department of Neurophysiology at the Central Institute of Neurosurgery and Neuropathology, Santiago, is at Columbia University for a

year's postgraduate work. Dr. Markovich has a U. S. Public Health Fellowship.

Grants and Awards

The American Institute of Chemists will award its 1950 gold medal to Walter J. Murphy, editor of the American Chemical Society's *Chemical and Engineering News*, *Industrial and Engineering Chemistry*, and *Analytical Chemistry*. The medal is awarded annually for noteworthy service "to the science of chemistry or the profession of chemist in America." Dr. Murphy was cited as "a great editor, who has focused the world's attention on chemists and their contributions as professional men." He will receive the award at the institute's annual meeting in New York in May.

The Harvard Foundation for Advanced Study and Research announced last week that the university had received an unrestricted gift of \$50,000 from the Mallinckrodt Chemical Works of St. Louis.

The Albert and Mary Lasker Foundation awards for 1949 of the Planned Parenthood Federation went to Carl G. Hartman for his researches in embryology and reproduction, particularly in regard to ovulation, and to George M. Cooper for his outstanding services to maternal and child health in North Carolina.

The Nutrition Foundation, Inc. has approved grants-in-aid to the following institutions: University of California—\$3,000 annually for two years to *M. S. Dunn* for the study of the functions and microbiological analysis of amino acids; University of Cincinnati—\$2,500 annually for two years to *Joseph Warkany* for the study of diet and congenital malformations, and \$5,000 to *G. M. Guest* for clinical and experimental research on diabetes, especially in the young; University of Rochester—\$2,000 to *K. E. Mason* for the study of the nature and significance of a pigment associated with vitamin E deficiency; University of Minnesota—\$4,600 for two years to *P. D. Boyer* for studies on the metabolic function of vitamin E; A. & M. College of

Texas—\$2,000 annually for two years to *C. M. Lyman* to study the biochemical reactions leading to the synthesis of amino acids; Syracuse University—\$3,000 to *W. W. Westerfeld* to study carbohydrate and purine metabolism; University of Iowa—\$1,800 annually for two years to *C. P. Berg* to study the metabolism of amino acids; University of Florida—\$2,500 annually for two years to *G. K. Davis* to study the interrelationships of molybdenum, copper, and phosphorus in animal metabolism; Western Reserve University—\$1,500 to *I. Pyle* and *N. L. Hoerr* for charts on the bone development in children and reference standards based on x-ray records; Children's Hospital, Boston—\$5,000 to *S. B. Wolbach* to study vitamin and mineral deficiencies and excesses; University of Pittsburgh School of Dentistry—\$3,000 to *Gerald J. Cox* to study factors in the diet that control tooth development, and \$3,000 annually for two years to *B. F. Daubert* to study the development of methods for the micro-estimation of unsaturated fatty acids; Cornell University Medical College—\$3,000 annually for two years to *Donald B. Melville* to study the biochemical significance of compounds related to histidine, and \$3,600 annually for three years to *Richard E. Lee* to study the dietary factors involved in maintaining the integrity of the peripheral vascular system; and Columbia University—\$4,000 annually for two years to *D. Rittenberg* to study precursors of cholesterol.

Colleges and Universities

The University of Chattanooga formally dedicated its new \$500,000 science building on November 19. The building is named Brock Hall in honor of William E. Brock, former U. S. Senator, who has served for 30 years on the university's board of trustees. The building's medical research laboratory, established by John B. Haskins, Chattanooga physician, was also dedicated and is to be known as the John B. Haskins, Jr. Memorial Laboratory.

Stevens Institute of Technology's Graduate School has opened

a laboratory for its recently established Department of Fluid Dynamics. The laboratory is equipped for research in the mechanics of fluid flow by visualization processes such as shadowgraphy, striation photography, and interferometry. A two-dimensional wind tunnel, designed by Bela K. Erdoss, chairman of the new department, is being built in the laboratory.

Meetings and Elections

The American Geological Institute held its second annual meeting November 13 in El Paso, Texas. The meeting was devoted primarily to a consideration of the long range program of the institute, the election of officers for 1950, and discussion of several projects which should be completed within the next few months.

Officers elected by the board of directors for the coming year are: president, William B. Heroy, Beers and Heroy, Dallas; vice president, Earl Ingerson, U. S. Geological Survey, Washington, D. C.; secretary-treasurer, Ernest Cloos, The Johns Hopkins University, Baltimore.

The institute is composed of 11 national scientific and professional societies. The constitution provides, however, that nonprofessional organizations interested in the geological sciences may be admitted as non-voting affiliates, and the board voted to encourage the affiliation of such organizations whose programs are consistent with the objectives of the institute.

The board also adopted a program to assist the progress of geological work and research. The program will include specific activities concerned with the training of professional geologists, the role of geological material in general education at the college level, the integration of geological material in school curricula and in adult education, and an investigation of the entire method of teaching geological science. Specific plans for cooperation with state education commissions, state geological surveys, and local educational institutions are being studied.

The scope and nature of the present program of geological field education offered during the summer

months are also under study. A report describing all summer geology field courses to be offered in 1950 and summarizing the 1949 program will be issued soon. The institute also plans to compile specific information concerning the utilization of earth science in the high school curricula throughout the U. S.

The report of the Committee on Geological Personnel showed that the wartime deficit of geologists trained to the bachelor level has been overcome. As a result, the institute will initiate early next year an annual supply and demand study of geological personnel, combined with a study of both the training and the personal qualities which have led to success in various types of geological endeavor, and an investigation of present functional distribution of geologists in the U. S.

The compilation of a catalogue of geological field trip guidebooks, with index maps showing areas covered by each, is also planned. A number have been prepared by agencies including the U. S. Geological Survey, the International Geological Congresses, and local societies. Many state geological societies have issued valuable guidebooks in connection with their annual field tours. For example, the field trips sponsored by the El Paso meeting of the Geological Society of America were covered by a series of excellent guidebooks prepared by the West Texas Geological Society, but much of the original information, which is highly scientific, has never been published. The proposed compilation should be of use to professional geologists, students, and amateurs studying these regions.

Another study will deal with the exchange availability of geological material useful in teaching or for display. In the past, exchanges have largely been arranged by individual geologists. The proposed catalogue will make this information available to geology departments and others who wish to build up their teaching and display materials.

An analysis of unpublished research in geological science will also be undertaken, primarily in the North American continent. It is

planned to compile this information annually or biannually for the assistance of research workers in the geological sciences. An investigation of the current status of geological mapping in the U. S. will also be made as a basis for recommendations for future action in this area of geological work.

The board of directors also approved a public information program through the use of local speakers and nontechnical pamphlets and guides to inform the public about geological features of state and national parks and areas of scenic interest. This would include a speakers' bureau to supply speakers on nontechnical geological subjects to interested organizations. The program will be integrated at the state and local level.

The board endorsed a program of specific cooperation with the National Defense Establishment concerning the use of geological techniques and geologists in national defense, and proposed a careful analysis of the means whereby the institute may be of service to federal and state agencies participating in or sponsoring geological programs. Recommendations of the Committee on Publications to study the possibility of publishing a monthly journal of geological abstracts were also approved.

The board emphasized that the function of the institute is to serve the geological profession, and thereby the individual geologist. The success of the program will depend on the participation of individuals and those interested in any phase of the program are urged to write to institute headquarters.

DAVID DELO, *Secretary*

Two state academies of science will hold meetings this week: The **Tennessee Academy of Science** at Southwestern University, Memphis, Tennessee, December 2-3, and the **Oklahoma Academy of Science**, at Phillips University, Enid, Oklahoma on December 2.

The American Institute of Mining and Metallurgical Engineers elected the following officers at the meeting of the board of directors, November 16: president, Donald H.

McLaughlin, head of the Homestake Mining Company, San Francisco; vice presidents, Andrew Fletcher, president of the St. Joseph Lead Company, and Robert W. Thomas, general manager of the Nevada Consolidated Copper Corporation.

Deaths

Clarence Olds Sappington, 60, authority on industrial medicine and hygiene, died of a heart ailment November 6 at his home in Chicago. Dr. Sappington was editor of *Industrial Medicine and Surgery*, and director of the Division of Industrial Health of the National Safety Council from 1928 to 1932.

Harry T. Gisborne, 56, chief of the Division of Forest Fire Research at the Northern Rocky Mountain Forest and Range Experiment Station, died of a heart attack November 9. Mr. Gisborne was internationally known for his method of calculating fire hazards in forests through measurement of humidity, fuel moisture, precipitation, and wind velocity. Shortly before his death he worked with General Electric engineers on experiments to control lighting.

George B. Sartoris, 53, principal agronomist, Division of Sugar Plant Investigations of the Bureau of Plant Industry, Soils, and Agricultural Engineering, U. S. Department of Agriculture, died of a heart attack at his home in University Park, Maryland, November 19. Dr. Sartoris had been a member of the department since 1923; he had been engaged in breeding research on sugar cane since 1934. At the time of his death he was in charge of the sugar cane and sugar sorghum projects of the bureau.

Daniel B. Feer, 25, assistant professor of physics in the College of Engineering, New York University, died of a heart attack on November 8. Dr. Feer specialized in the quantum theory of fields and in elementary particle physics. During the war he was a special research associate in the Electroacoustic and Systems Research Laboratories of Harvard University. He spent the year 1948-49 in the School of Mathematics of the

Institute for Advanced Study at Princeton.

Representatives of the U. S. Atomic Energy Commission and the Government of the United Kingdom recently conferred with the South African Atomic Energy Board on problems relating to the production of uranium in the Union of South Africa. The discussions, held in Johannesburg, were a continuation of previous conferences of the three governments. Representatives of the U. S. were J. K. Gustafson, manager of the AEC Raw Materials Operations Office; Thorold Field and Robert Macdonald, technical advisers to Dr. Gustafson; and A. A. Wells, special assistant to the AEC General Counsel.

The Council of the Organization for European Economic Cooperation, composed of representatives of all countries receiving Marshall Plan aid, has agreed that each of the 18 governments will make available to all the others documents dealing with scientific, technological, and economic matters of importance to industrial production. The exchange is expected to begin early next year and will provide for translation and reproduction of documents, subject to agreement of the country supplying them. The council also urgently recommended compilation of national surveys of documentary sources and technical information services, as well as listings of leading experts and research units in various technical fields.

Laboratory training courses in communicable diseases will begin January 1 at the Communicable Disease Center, Atlanta, Georgia. Twenty-five courses of one to four weeks' duration will be offered during the year. Information and applications should be requested from the Chief, Laboratory Division, Communicable Disease Center, 291 Peachtree Street, N.E., Atlanta, Georgia.

The Oak Ridge Institute of Nuclear Studies announces that some vacancies still remain for the winter series of three radioisotope techniques courses offered by its Spe-

cial Training Division (see *Science*, October 7, p. 386). Interested persons are urged to apply for one of the winter courses, in view of the heavy load of applications for participation in the summer courses. Starting dates are January 2, January 30, and March 6. Requests for application and information should be addressed to Dr. Ralph T. Overman, Chairman, Special Training Division, Oak Ridge Institute of Nuclear Studies, P. O. Box 117, Oak Ridge, Tennessee.

The Kresge-Hooker Scientific Library is seeking to fill the vacancy created by the death of Neil E. Gordon, Wayne University chemistry professor. Qualifications include ability to edit the *Record of Chemical Progress*, direct off-campus translational services of the library, direct other library activities among chemists in industrial and academic fields, and do part-time teaching in the chemistry department. The rank of professor is available for the position. Applications should be addressed to The Friends of the Kresge-Hooker Scientific Library, Wayne University, Detroit 1, Michigan.

Recently Received—

Agricultural Climatology of Japan and Its Agro-Climatic Analogues in North America. M. Y. Nuttonson. International Agro-Climatological Series, Study No. 8, 1949. On request from American Institute of Crop Ecology, P. O. Box 1022, Washington, D. C.

Life at Letchworth Village. 40th annual report, Board of Visitors, March 31, 1948. Department of Mental Hygiene, Albany, New York.

Proceedings of the Hawaiian Academy of Science. 24th annual meeting, 1948-49. University of Hawaii, Honolulu, T. H.

Department of Scientific and Industrial Research Report, 1947-48, with review of 1938-48. His Majesty's Stationery Office, London, 2 S.

Bausch & Lomb Optical Glass. Catalog E-30. Bausch & Lomb Optical Company, Rochester 2, New York.

The Electron Microscope and Its Application to Materials Problems, PB 97957. Office of Technical Services, U. S. Department of Commerce, Washington 25, D. C. \$1.25.

Stress Analysis. Armour Research Foundation, Illinois Institute of Technology, Technology Center, Chicago 16.

Report on the Principles of Rheological Nomenclature. H. M. Burghers and G. W. Scott Blair. Joint Committee on Rheology of the International Council of Scientific Unions. North-Holland Publishing Company, Amsterdam.

Guide for the Identification and Reporting of Stranded Whales, Dolphins, Porpoises, and Turtles on the British Coasts. F. C. Fraser and H. W. Parker. British Museum, London. 2 S.

Exploradores Famosos de la Naturaleza Venezolana. Eduardo Röhl. Third Inter-American Agricultural Conference. El Com-pás, Caracas, Venezuela.

Catalog of Periodical Publications in the Libraries of Mexico City. Section of Medicine and Biological Sciences. Benjamin Franklin Library, Mexico, D. F.

Guide to the Medicinal and Poisonous Plants of Queensland. L. J. Webb. Council for Scientific and Industrial Research, Bull. 232, Melbourne, Australia.

Make Plans for—

American Academy of Optometry, annual meeting, December 10-13, Cleveland, Ohio.

Entomological Society of America, 44th annual meeting, Tampa, Florida.

American Psychoanalytic Association midwinter scientific meeting, December 17-18, Hotel Statler, New York City.

American Chemical Society, 16th annual chemical engineering symposium, December 29-30, Ohio State University, Columbus.

American Meteorological Society, 104th national meeting, January 4-6, Hotel Jefferson, St. Louis, Missouri.