

News and Notes

George H. M. Lawrence, taxonomist of the Bailey Hortorium at Cornell University, is on leave for a year of study at European botanical centers. Prof. Lawrence will work from August until January at the British Museum of Natural History, where he will make a study of the Philip Miller botanical collection.

Francis Michael Forster has been appointed director of the Department of Neurology, Georgetown University School of Medicine. He was formerly associate professor of neurology at Jefferson Medical College.

Gordon R. Kamman, associate clinical professor of psychiatry, University of Minnesota, has been appointed deputy commissioner of mental health for the State of Minnesota.

Giulio L. Cantoni, assistant professor of pharmacology at Long Island College of Medicine, has been appointed associate professor in the Department of Pharmacology of Western Reserve University School of Medicine.

Peter R. Morrison, zoologist and physiologist, University of Wisconsin, will head a group of scientists from the university in a two-month study this summer of temperature regulation and metabolism of Alaskan animals. This research, under contract to the U. S. Air Force, will be carried out at the Arctic Aero-medical Laboratory, Ladd Air Force Base, Fairbanks.

Joseph W. Alsop, senior member of the Board of Control of the Connecticut Agricultural Experiment Station, has resigned his post after 40 years of continuous service. He is succeeded by **Edmund W. Sinnott**, director of the Sheffield Scientific School of Yale University.

Mark H. Lepper has been appointed to the University of Illinois College of Medicine as an associate professor in the Department of Pre-

ventive Medicine. Dr. Lepper has done research work on the therapies of infectious diseases and toxic reactions to drugs—particularly drug allergy and inhibition of antigen-antibody reactions.

Conrad B. Rivera, of the Philippine Army Medical Corps, has been assigned to the Department of Physical Medicine and Rehabilitation at the University of Illinois College of Medicine for training that will enable him to set up a similar department in a general hospital of the Philippine Army. Prior to his present assignment, Dr. Rivera spent four months in training at the Percy Jones General Hospital, Battle Creek, Michigan.

Visitors to U. S.

Koichi Aki, director of the Resources Council Secretariat, and **Sikazo Inaura**, engineer-in-chief of the Ministry of Construction, both from Tokyo, are in the U. S. for about three months. They visited the U. S. Geological Survey last month to study water resources management and they hope to cover most of the major water development projects in this country during their stay.

Helen Petralia, chief nurse of the Ministry of Hygiene in Greece, is in the U. S. for four months, studying public health programs and the organization and administration of schools of nursing.

Recent visitors at the Communicable Disease Center, U. S. Public Health Service, Atlanta, Georgia, were **Juan C. Gomez**, chief of the Laboratory of Engineering, **Ezequiel Sutil**, inspector-supervisor of malaria, Service Section of Medical Activities, **Octavio M. Suarez**, inspector-supervisor of malaria, **Roberto Escalona**, inspector of malaria, and **José Antonio Lopez**, chief of service, Medical Activities Section, all of the Division of Malariology of the Venezuelan Ministry of Health and Social Assistance; **Carlos A. Alva-**

rado, consultant on malaria, Pan American Sanitary Bureau, Tucumán, Argentina; **Eyvind Ek**, assistant director, Bureau of Maternal and Child Health, Oslo, Norway; **Albert Herrlich**, professor of internal and tropical medicine, University of Munich; **Deogracias P. Caro**, Public Health Laboratory, Manila Health Department, Manila; **Hsi-Chow Chen**, Malaria Institute, Chau Chow Malaria Laboratory, Kao Hsiung, Formosa; and **M. Hassan Morshed**, World Health Organization Fellow, Iran.

Recent visitors at the National Bureau of Standards were **Frank Hudson**, metallurgist, Mond Nickel Company, London; **E. Nanai**, chief, Scientific Division, Nissan Chemical Industries, Ltd., Tokyo; **A. Sawada**, assistant works manager, Fuso Metal Industries, Ltd., Nagoya, Japan; **F. D. Richardson**, head, Nuffield Research Group in Extraction Metallurgy, Royal School of Mines, London; and **Olof E. H. Rydbeck**, professor and director of research, Electronics Laboratory, Chalmers University of Technology, Gothenburg, Sweden.

Grants and Awards

Awards totaling \$1,441,721 for scientific research and professional education in poliomyelitis have been approved by the **National Foundation for Infantile Paralysis**. The awards, effective July 1, will support 34 individual projects for research aimed at preventing the disease and improving treatment methods, as well as for the training of doctors, scientists, nurses, and other essential professional persons. These projects are in three categories—11 for virus research, 9 for treatment of after-effects of the disease, and 14 for professional education.

Awards for virus research to prevent or control the disease were made to: Yale University, *John B. Paul*, \$151,750 and \$90,638; John Hopkins University, *Kenneth F. Maxcy*, \$94,030; University of Pittsburgh, *Wil-*

liam McD. Hammon, \$31,050; University of Michigan, Thomas Francis, \$81,500; New York University-Bellevue Medical Center, New York City, David P. Earle, Jr., \$36,630; University of Minnesota, Raymond N. Bieter, \$14,000; George Washington University, Paul K. Smith, \$7,120; University of Minnesota, Jerome T. Syvertson, \$15,812; University of Washington, Charles A. Evans, \$26,930; University of Oregon, Arthur W. Frisch, \$5,275; University of California, Berkeley, Wendell M. Stanley, \$41,580.

Awards for the improvement of treatment methods went to: Cornell University Medical College, New York City, David P. Barr, \$4,700; University of California, San Francisco, Robert B. Aird, \$4,900; University of Minnesota, A. B. Baker, \$13,125; Northwestern University, Lewis J. Pollock, \$8,000; The Children's Medical Center, Boston, William T. Green, \$6,900; University of California, San Francisco, LeRoy C. Abbott, \$9,100; New York University, Harold K. Work, \$23,500; Syracuse University, Otto H. Müller, \$11,000; University of Minnesota, Allan Hemingway, \$4,404.

Educational awards were made to: Meharry Medical College, Nashville, Murray C. Brown, \$70,800; Washington University School of Medicine, St. Louis, Robert A. Moore, \$13,400; Northwestern University Medical School, Stafford L. Osborne, \$9,234; University of Southern California, Los Angeles, Margaret S. Rood, \$8,300; American Physical Therapy Association, New York City, Mildred Elson, \$53,762; National Organization for Public Health Nursing, New York City, Anna Fillmore, \$79,281. The balance of the 14 educational awards will be administered by the foundation to provide scholarships and fellowships for graduate training in professional fields.

Four awards for discoveries in carbohydrate chemistry and the functions of sugar have been made by the National Science Fund of the National Academy of Sciences administering a fund established by the Sugar Research Foundation. Claude S. Hudson, director of the Division of Chemistry, at the Na-

tional Institutes of Health, received \$10,000 for his research in the rarer sugars. Two awards of \$5,000 each were made jointly to Carl and Gerty Cori, of Washington University, St. Louis, for their work on carbohydrate metabolism in the animal body, and to Melvin Calvin and Andrew A. Benson, of the University of California at Berkeley, for study of photosynthesis. An award of \$5,000 was made to Maurice Stacey, of the University of Birmingham, England, for investigations of polysaccharides, particularly one that shows promise as a blood plasma substitute.

Twelve new grants for research in the field of nutrition have been announced by the National Vitamin Foundation. The foundation makes grants-in-aid of research semiannually. The new grants, which became effective on July 1, and total \$78,150, are: A. E. Axelrod, Western Pennsylvania Hospital, Pittsburgh, \$4,500 for the study of the relationship between nutritional factors and antibody production; T. J. Cunha, University of Florida College of Agriculture, \$2,500 for the study of the need of animal protein factor, B₁₂, B₁₃, and related factors for growth and the effect on food utilization, using pigs as the experimental animal; R. W. Heinle, Western Reserve University School of Medicine, \$6,000 for study of the hemopoietic role of vitamins on the B group in normal and pathologic conditions in animals and man; L. Emmett Holt, Jr., New York University College of Medicine, \$5,000 for study of the thiamine requirement of the breast-fed infant; M. K. Horwitt, Elgin State Hospital, \$10,750 for studies of the B complex vitamins in human nutrition, with particular reference to niacin; W. A. Krehl, Yale University, \$1,600 for study of the relation of vitamins and hormones to amino acid metabolism; Karl E. Mason, University of Rochester School of Medicine and Dentistry, \$4,800 for a two-year study of the distribution of tocopherols in human tissues and organs during fetal life and early infancy and the implications to dysfunctions of pregnancy and early childhood; Elaine P. Ralli, New York University College of

Medicine, \$3,500 for study of vitamin-hormone relationships, using the rat as the experimental animal; Nevin S. Scrimshaw, Institute of Nutrition of Central American and Panama, \$8,000 for study of the effectiveness of vegetable protein supplemented by vitamin B₁₂ in the growth and development of undernourished children; Thomas P. Singer, Western Reserve University School of Medicine, \$5,000 for study of the mechanism of action of vitamin analogues on isolated enzymes; Winslow T. Tompkins, Pennsylvania Hospital, Philadelphia, \$22,500 for a three-year study of the significance of nutrition and nutritional deficiencies in human pregnancy; Theodore F. Zucker, Columbia University, \$4,000 for study of the effects of pantothenic acid on acetylation rates in man, with special reference to a possible role in duodenal ulcer.

Fellowships

A fellowship program for training of industrial physicians will be inaugurated this fall by the Atomic Energy Commission if qualified candidates are obtainable. Fellows will be sent to the University of Rochester Medical School and the University of Pittsburgh School of Public Health for the first year, at a stipend of \$3,600. The second year will consist of on-the-job training at a salary of \$5,000. Application forms are obtainable from the AEC Industrial Medicine Fellowship Committee, Atomic Energy Commission, Washington 25, D. C.

The Arthritis and Rheumatism Foundation is offering fellowships for research in the basic sciences related to the study of arthritis. The fellowships will be selected by the foundation's Medical and Scientific Committee. The one-year fellowships will carry a stipend of from \$4,000 to \$6,000, depending upon the needs and ability of the worker. Applications should be sent to the Arthritis and Rheumatism Foundation, 535 Fifth Avenue, New York City. Applications received by September 15 of this year will be acted upon at that time and notification of fellowships made immediately. All

applications must be received by *January 1, 1951.*

Summer Programs

The Second Berkeley Symposium on Mathematical Statistics and Probability will be held July 31–August 12 in the Statistical Laboratory, Mathematics Department, University of California. Cooperating with the university in sponsoring the symposium are the Biometrics Section of the American Statistical Association; the Biometric Society, Western North American Region; the Econometric Society; the Institute of Mathematical Statistics; the Institute of Transportation and Traffic Engineering; and the Office of Naval Research.

Reservations should be made as early as possible with Michel Loève, Acting Director, Department of Mathematics, Statistical Laboratory, University of California, Berkeley.

A summer session in post graduate optometric education will be held August 7–September 1 at the Los Angeles College of Optometry. The program is organized so that each week will constitute a complete unit of study. Although the courses are intended for those who will be in full-time residence, single courses may be taken by special permission. The fee for full-time attendance for each week is \$25. Further information and application blanks may be obtained from Dr. Monroe J. Hirsch, Director, Summer Session, Los Angeles College of Optometry, 950 West Jefferson Boulevard, Los Angeles 7.

Industrial Laboratories

Food Research Laboratories, Inc. has appointed Kenneth Morgareidge as chief chemist. Dr. Morgareidge was formerly director of the Biological Laboratories of the Nopco Chemical Company of New Jersey. He is best known for his work in the assay, stabilization, and control of vitamins, and the commercial production of vitamin concentrates.

Gustav Egloff, director of research, **Universal Oil Products Company**, Chicago, will address the Second Oil Shale and Cannel Coal

Conference (July 3–7) in Glasgow; the Fourth World Power Conference (July 10–15) in London; the Société de Chimie Industrielle, Association Française des Techniciens du Pétrole, l'Institut Française du Pétrole (July 18), Paris; the Associazione Italiana di Chimica (July 21), Milan; and Unione Petrolifera (July 25), Rome.

Nathan T. Melamed, research chemist, has joined the staff of **Horizons Incorporated**, of Princeton, New Jersey. Dr. Melamed did research on luminescent materials in the Brooklyn Polytechnic Institute Department of Chemistry from 1946 to 1949.

Frederic Fenger retired July 1 from **Armour and Company Laboratories**, after 44 years of chemical research in endocrinology. Dr. Fenger carried on early research with the thyroid and pituitary hormones, and contributed to the study of pepsin by producing it isoelectrically in pure form.

Meetings and Elections

The biological hazards of atomic energy will be the subject of a two-day conference at the Royal Institution in London, October 20–21. The conference is sponsored by the British Institute of Biology and the Atomic Scientists' Association, and supported by the British Association for the Advancement of Science and the British Institute of Radiology. Further information may be obtained from Prof. Alex Haddow, Chester Beatty Research Institute, Royal Cancer Hospital, Fulham Road, London, S.W. 3, England.

A conference on research in Alaska will be held in Washington, D. C., November 9–11, under the auspices of the National Research Council. U. S. and Canadian scientists in agriculture and forestry, botany, public health and medicine, zoology, fisheries, physiology, geology, geography, geophysics, meteorology, oceanography, and anthropology will discuss existing facilities for carrying out basic research and the establishment of scientific information centers in the U. S. and Alaska. This conference is the first coordi-

nated attempt to bring together information on various aspects of Alaskan research, to stimulate wider interest in such work, and to improve scientific cooperation among organizations and individuals engaged in it. Further information may be obtained from the Steering Committee, Alaskan Science Conference, 2101 Constitution Avenue, Washington 25, D. C.

The American Institute of Nutrition elected the following officers at its annual meeting in Atlantic City, April 17–21: president, Wendell H. Griffith, University of Texas; vice president, Clive M. McCay, Cornell University; treasurer, N. B. Guarrant, Pennsylvania State College; councilor, Walter C. Russell, Rutgers University. Joseph H. Roe, George Washington University, continues in office as secretary.

The American Malacological Union elected the following officers at its annual meeting June 14–16: president, Joseph P. E. Morrison, Smithsonian Institution, Washington, D. C.; vice president, Jeanne S. Schwengel, Greenwich, Connecticut; second vice president, Leo G. Hertlein, California Academy of Sciences, San Francisco; treasurer, Harold R. Robertson, Buffalo, New York; and secretary, Mrs. Harold R. Robertson, Buffalo Museum of Science.

The Illinois State Academy of Science elected the following officers for the ensuing year: president, Percival Robertson, The Principia, Elmhurst; first vice president, James W. Neckers, Southern Illinois University; second vice president, Wayne W. Wantland, Illinois Wesleyan University; secretary, Leland Shanor, University of Illinois; and treasurer, Wilbur W. Grimm, Bradley University.

Deaths

Norman Ritner Beers died June 27 of a heart ailment at the Fort Hamilton Veterans Hospital, Brooklyn, New York. He was 38 years old. Dr. Beers had resigned as editor of *Nucleonics* in May because of his illness. He was formerly in charge

of the Meteorology Group at Brookhaven National Laboratory, Upton, Long Island.

Erik G. Hakansson, former commander of the Naval Medical Research Institute, Bethesda, Maryland, died June 19 at Chelsea, Massachusetts, after a brief illness. He was 63. Dr. Hakansson also served as chief of the Research Division of the Navy's Bureau of Medicine and Surgery until his retirement in 1948.

Harald M. Westergaard, 61, former dean of the Harvard Graduate School of Engineering and Gordon McKay Professor of Civil Engineering, died June 22 in Cambridge, Massachusetts. Dr. Westergaard was an authority on elasticity and was a member of a special mission to study the aftereffects of atomic explosions on structures in Japan.

The U. S. Army Hepatic and Metabolic Center has been transferred to Walter Reed General Hospital, Washington, D. C. The center, under the direction of Victor M. Sborov, carries on the Army's fight against infectious hepatitis, a disease that affected about 55,000 military men and women during World War II. Dr. Sborov is instructor in medicine at the University of Pennsylvania and research associate in medicine, Jefferson Medical College, Philadelphia. The center was established in 1948 and is closely associated with the Army's Commission on Liver Diseases. Cecil J. Watson, professor of medicine at the University of Minnesota, is chairman of the commission.

Research in plants and soils with radioactive isotopes will be carried on in a specially designed greenhouse at Plant Industry Station, Beltsville, Maryland. Studies using radioactive phosphorus, conducted by the U. S. Department of Agriculture in cooperation with the Atomic Energy Commission and Maryland agricultural experiment stations, have been in progress for the past three years. Work in the new \$250,000 greenhouse will include investigations with calcium, zinc, sulfur, and other radioactive elements.

A 50-Mev betatron, designed and constructed by General Electric, has been installed in the National Bureau of Standards' new betatron laboratory, extending the bureau's high energy research into the region from 2 to 50 Mev. For work at even higher energies, a 180-Mev synchrotron, now being completed by General Electric, will be installed at the bureau next year.

The Registry of Rare Chemicals, 35 West 33rd Street, Chicago, lists the following wanted chemicals: phosphoryl fluoride; ferric bromide, anhydrous; ferrous bromide, anhydrous; zinc carbonyl; ammonium cyanide; *p*-aminoethylbenzene; γ -aminobutyric acid; 2-phenylcyclohexanone; 3-methylpentanol-3; acetyl cyanide; 5-methylisoquinoline; acetyl phosphate; perfluoroadipic acid; *n*-decyl mercaptan; *n*-hexadecyl mercaptan; methyl vinylsulfonate; methyl isopropenylsulfonate; perillie acid; scymmol; and coniferyl alcohol.

Recently Received—

Scientific Institutions and Scientists in Latin America: Argentina (Vol. 1), Uruguay (Vol. 1), Puerto Rico and Colombia (Vol. 1). Unesco publ. Centro de Cooperacion Cientifica para America Latina, Montevideo.

First List of Scientific Papers Published in Latin America: 1948. Unesco publ. Centro de Cooperacion Cientifica para America Latina, Montevideo, Uruguay.

Problems in the Collection and Comparability of International Statistics: Papers Presented at the Round Table on International Statistics. 1948 Conference of the Milbank Memorial Fund. Milbank Memorial Fund, 40 Wall St., NYC. 50 cents.

Contact Transients in Simple Electrical Circuits (PB 99613) National Bureau of Standards publication. Office of Technical Services, U. S. Department of Commerce, Washington 25, D. C. 50 cents.

Tables of Binomial Probability Distribution. National Bureau of Standards Circular C483. U. S. GPO, Washington 25, D. C. \$2.50.

Testing by the National Bureau of Standards. Circular 483. U. S. GPO, Washington 25, D. C. 25 cents.

National Conference on Cardiovascular Diseases, Summary Report. American Heart Assn., 1775 Broadway, New York City. \$90 per 500, \$20 per 100, \$11 per 50, 25 cents each up to 50.

International Statistics Conferences, Proceedings. September 16-18, 1947. Vols. II and IV. Joint Arrangements Committee, International Statistical Conferences of 1947, CARE Monumental Printing Company, Baltimore 11, Md.

Meetings Abroad

International Colloquium on Rheology in Biology, July 26-28, Lund, Sweden.

International Union Against Venereal Diseases, July 29-August 2, Zurich, Switzerland.

Seventh International Congress of Surgery, August 1-5, Buenos Aires.

Sixth International Congress on the History of Science, August 14-21, Amsterdam.

18th International Physiological Congress, August 15-18, Copenhagen.

Fifth International Congress of Microbiology, August 17-24, Rio de Janeiro.

Biennial Congress of the International Society of Hematology, August 21-26, University of Cambridge, England.

International Society of Sugar Cane Technologists, August 25-September 16, Queensland, Australia.

International Industrial St. Erick Fair, August 26-September 10, Stockholm, Sweden.

Symposium on Physiological Mechanism of Lactation, August 28-September 2, Strasbourg, France.

First World Conference on Alcohol and Traffic Safety, August 30-September 1, Stockholm.

British Association for the Advancement of Science, August 30-September 6, Birmingham, England.