

NEWS and Notes

Edwin G. Conklin, professor emeritus in biology at Princeton University, has retired from the Academy of Natural Sciences of Philadelphia, after serving 50 years as vice president and 13 years as trustee.

Gottfried S. Fraenkel, of the Entomology Department, University of Illinois, is spending three months in Hawaii, organizing research on the physiology of the oriental fruit fly for the U. S. Department of Agriculture. **Clifford C. Roan**, graduate assistant on the university staff, will be in permanent charge of the research, in which the State of California is cooperating. Headquarters for the project will be at the University of Hawaii.

Webster P. True, chief of the Editorial Division, Smithsonian Institution, for the past ten years, retired on May 31. Dr. True came to the Smithsonian as an editorial clerk in 1914. **Paul H. Oehs**, assistant chief of the division, has been appointed to take his place.

Armand N. Spitz, director of education at the Franklin Institute, has been elected chairman of the Science Museum Section of the American Association of Museums. Dr. Spitz will be in charge of the coordination of U. S. science museum activities and the development of joint activities on a national basis.

Stanford Research Institute has appointed **Rodolfo Hernandez Corzo**, director of the National School of Biological Sciences, Mexico City, as its first international research fellow. Mr. Corzo will spend two years at the institute and at Stanford University in advanced work in genetics, radiochemistry, and microbiology.

Ralph A. Bradley, of McGill University, Montreal, and **David Duncan**, recent lecturer at the University of Sydney, Australia, are new associate professors in the Depart-

ment of Statistics, Virginia Polytechnic Institute. Dr. Bradley will conduct research on rank order statistics.

Ernest Carroll Faust, head of the Division of Parasitology at Tulane University's School of Medicine, will spend a month this summer at the University of Santiago, Chile, as visiting professor. In August he will attend the Fifth International Congress of Microbiology, in Rio de Janeiro, as official delegate of the university and the American Academy of Tropical Medicine.

Visitors to U. S.

D. A. Walsh, of Leeds University, England, will be a visiting lecturer in the School of Chemistry at the University of California at Berkeley during the fall semester.

Hideo Kunabe, general manager of the Antituberculosis Association of Japan, and **Tomio Ogata**, editor of the *Journal of the Japanese Medical Association* and professor of serology at the University of Tokyo Medical School, are in the U. S. for a 90-day training program under a fellowship plan established by the Military Government of Japan. Dr. Kunabe is studying tuberculosis control and clinical and research programs. Dr. Ogata is studying production of medical and health journals and the use of medical exhibits and visual aids.

Richard Kuhn, director of the Max Planck Institute for Medical Research, Heidelberg, Germany, lectured June 5 and 6 at the National Institutes of Health, Bethesda, Maryland.

Walter Roos, engineer and works manager, and **G. A. Schroter**, chemist, both of the Feldmuhle Papier u. Zellstoffwerke, Wesseling bei Köln, Germany, and **P. Cornaud**, professor at the University of Ghent, visited the National Bureau of Standards recently.

Grants and Awards

The vice chancellors of the Universities of Denmark have made the first award of the **Augustinus Prize**

to Bengt Strömgren, director of the University Observatory of Copenhagen, for his accomplishments in astronomy and astrophysics. The prize, recently established by the Augustinus Industries of Denmark, consists of an award of 50,000 Danish crowns—\$5,000 at the current rate of exchange.

The \$2,500 Merck Graduate Fellowship in Analytical Chemistry for 1949 has been awarded to John T. Byrne, teaching fellow and research assistant at the Massachusetts Institute of Technology. The fellowship, established in 1948, goes to the applicant considered likely to contribute most to the advancement of the theory and practice of analytical chemistry. It is administered by the American Chemical Society and makes possible a year's work at a specified institution of higher learning in the U. S. or Canada. Dr. Byrne will continue research work, begun under the direction of L. B. Rogers, at MIT.

A grant of \$10,000 has been made by the **American Cancer Society** to Joseph W. Beard, professor of experimental surgery, Duke University School of Medicine, for research in fowl leukosis. Dr. Beard, who has been working on chick tumor tissues, will attempt to isolate the virus that causes the cancerlike disease in chicks.

Rockefeller Foundation Grants for scientific work in the first quarter of 1950 have been made to the following institutions: *University of Heidelberg*—\$56,000 for an institute of psychosomatic medicine, under the direction of Alexander Mitscherlich; *University of Copenhagen*—\$63,000 for a child guidance clinic, under the direction of Bodil Farup, former Rockefeller Foundation fellow; *Medical Research Council of Great Britain*—\$50,000 for fellowships in the medical sciences; *University of Cambridge, England*—\$14,250 for research in neurophysiology, under the direction of E. D. Adrian; *Roscoe B. Jackson Memorial Laboratory, Bar Harbor, Maine*—\$150,000 for studies of genetic factors of intelligence and emotional variation in mammals (see *Science*, Feb. 17, p. 187); *Prince-*

ton University—\$25,000 for studies of the psychology of perception by the Department of Psychology, in collaboration with Adelbert Ames, Jr., of the Hanover Institute, New Hampshire; *Stanford University*—\$11,000 for continuation of a study of individual who, as children (in 1921-22), scored unusually well on intelligence tests; *Columbia University*—\$16,000 for studies in brain chemistry; *Medical Library Association*—\$10,000 for fellowships in the U. S. for foreign medical librarians and \$5,000 for shipment of extra copies of medical journals abroad; *Karolinska Institute, Stockholm*—\$45,000 for research in biochemistry in the Medical Nobel Institute; *University of Stockholm*—\$12,000 for research in biochemistry at the Wenner-Gren Institute and \$4,200 toward expenses in research in radiobiology; *University of Virginia*—\$30,000 toward research in the thermodynamics of enzyme action; *Harvard University*—\$18,000 toward research in enzyme chemistry; *University of Washington*—\$17,500 for an electron microscope for use in microanatomy research; *University of Tennessee*—\$7,000 for research in biochemistry; *Michigan State College*—\$10,000 for research in the field of plant biochemistry; *University of Chicago*—\$9,000 toward research in animal ecology; *National Institute of Economic and Social Research, Great Britain*—\$21,000 for the expenses of the International Association for Research in Income and Wealth; *University of Michigan*—\$19,320 for studies of the validity and reliability of economic survey data and of basic determinants of economic behavior by its Survey Research Center and \$52,500 for a program of methodological research in the field of human relations by its Research Center for Group Dynamics; *Food Research Institute of Stanford University*—\$10,000 for Vladimir P. Timoshenko's research on food and agriculture in World War II, including a study of food and agriculture in the Soviet Union during that period, and \$1,000 for a study of Yugoslav agriculture during the interwar period.

Rockefeller Foundation grants for

the first quarter of 1950 total \$1,254,433. This sum includes many grants-in-aid and a few grants in the humanities and other small grants not mentioned here.

The John Wesley Hyatt Award for 1950—a gold medal and \$1,000—was presented to George M. Powell, III, technical head of Vinyl Coatings Research, Union Carbide and Carbon Corporation, at the annual meeting of the Society of the Plastics Industry, New York City. Dr. Powell received the award for his work in Vinylite dispersion resins.

The 1950 Knudsen Award of the American Association of Industrial Physicians and Surgeons was given to Edward Charles Holmblad, treasurer and managing director of the association. Dr. Holmblad has been active in the association since 1924.

Fellowships

The American College of Physicians has announced that a limited number of fellowships in medicine will be available from July 1, 1951 to June 30, 1952. These fellowships are designed to provide an opportunity for research training either in the basic medical sciences or in the application of these sciences to clinical investigation. They are for the benefit of physicians who are in the early stages of their preparation for a teaching and investigative career in internal medicine. Applicants must be acceptable in the laboratory or clinic of their choice and be provided with necessary facilities. The stipend will be from \$2,200 to \$3,200. Application forms will be supplied on request to the American College of Physicians, 4200 Pine Street, Philadelphia, Pennsylvania, and must be submitted in duplicate not later than *October 1*. Announcement of awards will be made November, 1950.

The Arctic Institute of North America is offering a number of grants-in-aid for scientific work in the North American Arctic and Subarctic during 1951. Research must include field investigations either in Alaska, northern Canada, or Greenland. The grants are open to any-

one who has demonstrated ability to conduct research work of superior quality in some field of science. Applications must be received by *November 1*. The awards will be made upon the recommendation of the Board of Governors of the Arctic Institute, and will be announced by March, 1951. Application forms may be obtained upon request to the secretary, Research Committee, Arctic Institute of North America, Baltimore-Washington Office, Rogers House, 3506 Greenway, Baltimore, Maryland.

Colleges and Universities

Cornell University has established a research laboratory for studies of infectious diseases of dogs. A new building, containing laboratories, office space, and isolation units for work on viruses, is being constructed as the second unit of a proposed animal disease research center, adjacent to a present building containing facilities for study of infectious diseases of farm animals, poultry, and cattle. Correlation of studies of diseases in different species of animals is planned, with particular attention directed to etiology and the prevention of disease. The new laboratories will be under the direction of James A. Baker, professor of bacteriology, New York State Veterinary College at Cornell.

The University of Notre Dame will hold a dedication program June 21 and 22 in connection with the opening of the Germ-Free Life Laboratories at the university's Laboratory of Bacteriology. Charles F. Kettering, director and research consultant of the General Motors Corporation, will deliver the principal address on the evening of June 21. A symposium, "Science and Society," will be held June 22. James A. Reyniers, director of the Laboratory of Bacteriology, will be chairman. Participants will include Charles DeKonick, Laval University; Robert Chambers, New York University; Ira Baldwin, University of Wisconsin; Bradley Dewey, Dewey and Almy Chemical Company; Thorvald Solberg, Office of Naval Research;

Oram Woolpert, Chemical Corps; Watson Davis, Science Service; John H. Teeter, American Cancer Society; and Anthony Standen, Brooklyn Polytechnic Institute.

Summer Program

A laboratory course in the techniques and applications of the electron microscope will be given by the Laboratory of Electron Microscopy in the Department of Engineering Physics, College of Engineering, Cornell University, July 31–August 12. The course is designed for institutional and industrial research workers who have recently entered the field of electron microscopy or who are planning to undertake research problems involving applications of this instrument. Further inquiries should be addressed to Prof. Benjamin M. Siegel, Department of Engineering Physics, Rockefeller Hall, Cornell University, Ithaca, New York.

Meetings and Elections

The International Meteorological Organization's Committee for the Study of Clouds and Hydrometeors is meeting in Paris, June 12–24. The committee of eleven cloud experts hopes to complete the text and selection of photographs for a new International Cloud Atlas, which is used to promote uniformity of cloud reporting throughout the world. Charles F. Brooks, professor of meteorology and director of the Blue Hill Meteorological Observatory of Harvard University, is attending the meeting. Dr. Brooks is president of the Permanent Subcommittee on Station Instruments and Exposures of the organization.

The American Veterinary Medical Association will hold its 87th annual convention in Miami Beach, Florida, August 21–24, with headquarters in the Municipal Auditorium. Further information can be obtained by writing to Dr. J. G. Hardenbergh, Executive Secretary, 600 South Michigan Avenue, Chicago.

The Seventh International Congress of Surgery will be held in

Buenos Aires, August 1–5, under the auspices of the Argentine government. Carlos I. Rivas will be chairman. Contributed papers and U. S. representatives are invited. Information can be obtained from Exprinter S. A., San Martin 176, Buenos Aires, and All Nations Travel Bureau, 38 South Dearborn Street, Chicago.

The International Northwestern Conference on Diseases of Nature Communicable to Man will be held at the new School of Medicine, University of Washington, in Seattle, August 23–25. For additional information write to W. R. Giedt, Secretary, 1417 Smith Tower Building, Seattle, Washington.

The Tissue Culture Association has arranged a conference on tissue culture techniques and problems, to be held at Cooperstown, New York, August 31–September 2. These dates will be convenient for visitors in the U. S. who plan to attend the Seventh International Congress for Cell Biology at Yale University (*Science*, May 5, p. 505).

The American College of Physicians will conduct its 32nd annual session at St. Louis, April 9–13, 1951. Ralph Kinsella, of St. Louis, is the general chairman and will be responsible for local arrangements and for the program of clinics and panel discussions. William S. Middleton, president of the college, will be in charge of the program of morning lectures and afternoon general sessions. Secretaries of medical societies are asked to note these dates and, in arranging meeting dates of their societies, to avoid conflicts with the college meeting.

The Virginia Academy of Science has elected the following officers for next year: president, Guy W. Horsley; president elect, Paul M. Patterson; secretary, Foley F. Smith.

The Ohio Academy of Science elected the following officers at its annual meeting in Columbus, April 27–29: president, E. S. Thomas, Ohio State Museum; treasurer, R. M. Geist, Capital University; and

secretary, Rush Elliott, Ohio University.

The West Virginia Academy of Science, at its annual meeting on May 5–6 elected the following officers for 1950–51: M. L. Vest, West Virginia University, Morgantown, president; N. Bayard Green, West Virginia University, vice president; E. E. Myers, Alderson-Broadbent College, Philippi, secretary; and James L. Hall, West Virginia University, treasurer.

The Eastern Psychological Association elected the following officers at its annual meeting, April 20–22: president, Carl I. Hovland, Yale University; treasurer, Wilbert S. Ray, Trinity College; board of directors, Harold Schlosberg, Brown University, and Frank Beach and Neal Miller, both of Yale University.

Deaths

William J. Dakin, professor of zoology at the University of Sydney, Australia, died April 2, at the age of 67. Dr. Dakin was known for his work in physiology and ecology of marine animals, and in oceanography.

Charles Edward Skinner, 84, died May 12 in San Mateo, California, while visiting his daughter. Dr. Skinner, an electrical engineer, was the first director of research for Westinghouse Corporation, and had served the firm 43 years when he retired in 1933.

Fred A. Barnes, 73, died April 5 at his home in Pleasant Valley, Connecticut. Dr. Barnes was professor of civil and rail engineering at Cornell University for 44 years, until his retirement in 1946.

Miscellaneous

Music with anesthesia has been installed in the University of Chicago clinics to help alleviate tension of patients undergoing surgery. Used with spinal, local, or regional anesthesia, the music is piped to the operating rooms from a central recorder room where three du-channel magnetic tape recorders of

classical, semiclassical, and popular music play continuously for four hours. The patient and the anesthesiologist, who proctors the program, hear the music through lightweight stethoscope-type earphones.

Music for surgery is not a new idea. Surgeons have reported in medical literature on the success of the use of phonograph and radio in operating rooms. It was first introduced in the University of Chicago clinics in 1947 as a research experiment, financed by a grant from the U. S. Navy, and proved so successful that funds were raised by Maurice Goldblatt, president of the University of Chicago Cancer Foundation, for a permanent installation. The program is under the direction of Lester R. Dragstedt, chairman of the university's Department of Surgery. The Nathan Goldblatt Memorial Hospital, formally dedicated on June 15, will use music with anesthesia in its six major operating rooms and six preparation rooms.

Proceedings of the Second Conference on the Biology of Normal and Atypical Pigment Cell Growth, held last November, were recently published in *Zoologica* and have been reprinted in a 32-page booklet. Those interested in pigment cell problems may obtain copies on request to Dr. Myron Gordon, Genetics Laboratory, New York Zoological Society, American Museum of Natural History, New York City.

The Pacific Science Council (*Science*, May 26, p. 564) established its permanent secretariat in Honolulu, March 20. Loring G. Hudson, the executive secretary, may be addressed at Bishop Museum, Honolulu 17, T. H.

A two-volume bibliography on audition, including some 5,500 titles, has been compiled by the Psycho-Acoustic Laboratory of Harvard University under contract with the Office of Naval Research. The bibliography is supplemented by a topical index that lists the authors under six major headings: basic references, the anatomy of the ear, the physiol-

ogy of the ear, the psychology of hearing, deafness, and theories of hearing. The principal abstracting journals relied upon were *The Journal of the Acoustical Society of America*, *Psychological Abstracts*, and *Index Medicus*. A limited number of copies are available from the Harvard University Press, Cambridge, Massachusetts, at a price of \$3 for the two volumes.

A cancer research program for the study of treatment of neoplasms through use of radiation from radioactive isotopes, conducted by the Medical Division of the Oak Ridge Institute of Nuclear Studies in cooperation with 23 southern medical schools, will be in full operation July 1. A 30-bed clinical unit, laboratories, treatment rooms, and radiation storage facilities have been constructed. Patients will be selected for treatment by the participating medical schools only and no patient will be considered if the neoplastic condition is amenable to surgery or x-ray therapy. Members of the Medical Division staff are: Marshall Brucer, chairman; H. D. Bruner, principal scientist; Gould A. Andrews and Jesse D. Perkinson, senior scientists in hematology and biochemistry; and E. R. King, of the Navy Medical Corps.

The American Research Center in Egypt, established last year, will be opened in Cairo early in 1951 for study of civilizations in the Nile River area. It will serve scholars and qualified U. S. students as a research and teaching center, in a manner similar to that of other American schools already established in Rome, Athens, Baghdad, Jerusalem, and North Africa. The older schools will aid the work of the new center, Chicago's Oriental Institute will make available its library in Luxor House, and the Egyptian, Coptic, and Arabic Museums, as well as the National Library and the French Institute Library in Cairo, will be open to the center. Edward W. Forbes, director emeritus of the Fogg Art Museum of Harvard University, is president of the American

Research Center, and Sterling Dow, professor of history and Greek at Harvard, is secretary. William S. Smith, of the Museum of Fine Arts in Boston, will be director of the center in Egypt for 1950-51.

Make Plans for—

American Meteorological Society, 107th national meeting, June 21-23, Salt Lake City, Utah.

American Physical Society, 300th meeting, June 21-24, Mexico City, Mexico.

American Association of Petroleum Geologists, regional meeting, June 22-24, Charleston, West Virginia.

Acoustical Society of America, annual meeting, June 22-24, State College, Pennsylvania.

American Heart Association, annual meeting, June 22-25, Fairmont Hotel, San Francisco, California.

American Society for the Study of Sterility, June 24-25, Sir Francis Drake Hotel, San Francisco, California.

American Optometric Association, June 25-28, Minneapolis, Minnesota.

American Society of Mammalogists, annual meeting, June 26-29, Mammoth, Yellowstone National Park.

Recently Received—

A Progress Report on Cortisone. Merck & Co., Rahway, N. J.

Survey of Power Sources. Vols. 1-3. Library of Congress, Photoduplication Service, Publication Board Project, Washington 25, D. C. \$9, \$7, \$8, respectively.

Australian Environment. Tait Book Co. Pty., Ltd., 349 Collins St., Melbourne, Australia. 10s.6d.

Carnegie Institution of Washington Year Book, No. 48, 1948-49. Carnegie Institution of Washington, Washington 5, D. C.

English Index to Soviet Medical Periodicals. Vol. 1 1945-47. Donovan T. Richnell. H. K. Lewis and Co., Ltd., London, England.