

portability of such cases. To obtain this team, hospital commanders should telephone or telegraph the Commanding General, Brooke Army Medical Center, Attention: Director, Surgical Research Unit. In order to provide for proper selection of cases for research and to make available the aid of highly qualified personnel of the research group, the Director of the Surgical Research Unit should

be advised of the admission to any Zone of Interior Army hospital of all severe burn cases at the earliest practicable date. The importance of early notification cannot be emphasized too strongly.

3) Each case will be considered on an individual basis, with the welfare of the patient being the basic consideration as determined by sound professional judgment.



News and Notes

Scientists in the News

James G. Baxter has been appointed assistant director of research in Eastman Kodak Company's Distillation Products Industries Division. Dr. Baxter has been with Kodak since 1934, and in the 1940s he and his assistants prepared the first pure crystals of vitamins E and A.

David D. Bonnet has been appointed associate research entomologist, Department of Infectious Diseases, School of Medicine, UCLA, where he will be in charge of the Mosquito Control Program of the Pacific Tropic Diseases Project directed by John F. Kessel. Dr. Bonnet was formerly medical entomologist, Department of Health, Territory of Hawaii.

Dean A. Clark has been appointed clinical professor of preventive medicine at Harvard Medical School, where he will instruct students in preventive medicine, and in the social aspects of medicine and medical economics. Dr. Clark will also continue as general director of the Massachusetts General Hospital.

Charles S. Davidson has been appointed associate physician in the Thorndike Memorial Laboratory, Boston City Hospital, and associate professor of medicine, Harvard University. Dr. Davidson's research has centered on nutrition and diseases of the blood and liver, and he has been on the staffs of the university and hospital since 1941.

Robert J. Ferlauto, director of the Microbiological Laboratories of Smith, Kline & French, has been named associate director of development. He will be in charge of exploratory and specialty development, taking over the duties of **Robert H. Tully**, now on active duty with the Army Medical Corps.

Rowan Gaither, Jr., has been appointed acting president of the Ford Foundation, and will direct the work of the foundation until the election of a successor to **Paul G. Hoffman**, who has resigned, effective Mar. 1. Mr. Gaither is a San Francisco lawyer, and has been associated with the foundation since 1948.

Charles F. Gregory, orthopedic surgery instructor of Indiana University Medical Center, now on a Korean War hospital ship, has received the Kappa Delta sorority's national award for research aid to crippled children.

Beno Gutenberg, professor of geophysics and director of the Seismological Laboratory, California Institute of Technology, has been selected to receive the William Bowie Medal of the American Geophysical Union, in recognition of his work on earthquakes, seismicity of the earth, geophysics, and the nature of the earth's core.

Nathan O. Kaplan, of Johns Hopkins University, will receive the annual Eli Lilly and Company Award in Biological Chemistry. Dr. Kaplan helped to discover coenzyme A.

James E. LuValle has resigned as research associate at Eastman Kodak Research Laboratories to take a position as project director with Technical Operations, Incorporated, Arlington, Mass. He will direct a project on fundamental photographic theory, under sponsorship of the Chemistry Division of the Air Research and Development Command.

J. Roscoe Miller, president of Northwestern University, and **Tom D. Spies**, chairman of the Department of Nutrition and Metabolism at Northwestern, have been voted honorary degrees by the medical school faculty of the University of Havana. The degrees are in recognition of Northwestern's studies on foods and their relation to health. Others who will receive honorary degrees are **J. R. Killian, Jr.**, **Robert S. Harris**, and **Robert R. Williams**.

Eger V. Murphree, president of the Permanent Council of the World Petroleum Congress, and president of the Standard Oil Development Company, has recently returned to New York from Rapallo, Italy. He had been attending a meeting of the council to discuss the program and to outline the arrangements for the meeting of the Fourth World Petroleum Congress, to be held in Venice, June 1-8, 1955.

Robert Cushman Murphy, Lamont curator of birds, American Museum of Natural History, has been admitted as one of the 25 foreign fellows of the Zoological Society of London.

Bruce M. Pollock has been appointed plant physiologist, Department of Biological Sciences, University of Delaware, to succeed **J. E. Graustein**, who retired Feb. 1. Dr. Pollock was awarded a National Institutes of Health postdoctoral fellowship for 1950-51, and

studied at Copenhagen, continuing his research at Connecticut College before going to Delaware.

Grover F. Powers, professor emeritus of pediatrics at Yale University, has been named chairman of a national board, sponsored by the National Association for Retarded Children, to direct research on mental retardation.

Edwin Roy Rathbun, Jr., has joined the staff of Radiation Counter Laboratories, Inc., as director of physical research. Formerly with Nuclear Instrument and Chemical Corporation, Mr. Rathbun has worked on design and development of radiation detectors and associated electronic systems for special purposes.

Richard D. Robinson was the third American Universities Field Staff representative to visit California Institute of Technology this year. Mr. Robinson lectured and led discussions and seminars on his observations in Turkey, where he has studied political, economic, and social conditions.

Raphael Rosen, of Standard Oil Development Company, has retired after 26 years of service. He joined the Development Department of Standard Oil in 1923, and the Development Company in 1927, when it was formed.

Richard H. Shryock, director, Institute of the History of Medicine, Johns Hopkins University, will give the tenth D. J. Davis Lecture on Medical History at the University of Illinois College of Medicine, Chicago, on May 6. The lecture will be entitled "Changing Concepts in American Medicine over Three Centuries."

Herman T. Spieth, entomologist, has been named professor of zoology and chairman of the Life Sciences Division of the University of California's new College of Letters and Science at Riverside. He has been a member of the biology staff at City College, New York, for 20 years.

Phrixos J. Theodorides, formerly consultant in aerophysics, U. S. Naval Ordnance Laboratory, White Oak, Md., has been appointed research professor of the Institute for Fluid Dynamics and Applied Mathematics, University of Maryland.

John B. Whitney, Jr., has resumed his post as associate professor of botany, Clemson Agricultural College, after serving for a year as a research participant at the University of Tennessee-Atomic Energy Commission Agricultural Research Program at Oak Ridge.

Louis L. Williams, Jr., chief of the Division of International Health, USPHS, retired on Jan. 31. Dr. Williams, a specialist in malaria control research for 26 years, long directed Public Health Service malaria investigations.

David G. Wilson has been appointed to the staff of the Biochemistry Department of the Connecticut Agricultural Experiment Station.

Education

The **University of Chicago** has received an anonymous gift of \$300,000 for the endowment of a distinguished service professorship honoring Robert M. Hutchins, former chancellor. The anthropologist Robert Redfield has been appointed to the professorship.

Duke University will give a course in acarology June 10-29 under the direction of G. W. Wharton, Department of Zoology. Three visiting lecturers—Edward W. Baker, U. S. Department of Agriculture, A. Earl Pritchard, University of California, and R. W. Strandtmann, Texas Technological College—will participate.

George Washington University has received a grant from the U. S. Air Force for research into the effects of different diets on the body in zero temperatures. The work will be under the direction of Carleton R. Treadwell, professor of biochemistry.

Indiana University, under a contract with the Office of Ordnance Research, has appointed E. Titt, of the University of Texas, as visiting associate professor at the Graduate Institute for Applied Mathematics. J. Eriksen, of the Naval Research Laboratory, has been made a research associate for the current semester, and A. Van Tuyl, of the Naval Ordnance Laboratory, and Ion Carstoiu, of Johns Hopkins, have been made research associates for the second semester.

The **University of Maryland** Institute for Fluid Dynamics and Applied Mathematics will present the following public lectures: Mar. 18, Problems in Conformal Mapping, Lars V. Ahlfors; Apr. 8-9, Mechanics, H. G. Kuessner, of the Max Planck Institut for Stroemungsforschung; May 6-7, Behavior of Solutions of Partial Differential Equations, Fritz John.

New York University has established a new doctoral program in the field of remedial reading. Nila Banton Smith will be in charge of the courses, which are designed primarily for teachers, clinicians, and psychologists.

Polytechnic Institute of Brooklyn, under the sponsorship of Sylvania Electric Products Inc., will present a series of lectures by H. K. Henisch, of the University of Reading, on the theory of semiconductors. Two-hour lectures will be given from 8:00 to 10:00 P.M., Apr. 23 and 30, and May 7 and 14.

The **Tissue Culture Association** is sponsoring a course in the principles and techniques of cell and tissue culture, under the direction of John H. Hanks, in the laboratories of the Mary Imogene Bassett Hospital, Cooperstown, N. Y., July 8-30. The course is designed specifically for M.D.s or Ph.D.s who plan to use such techniques in their research or teaching. Application forms, returnable not later than *Apr. 15*, may be obtained from Mary S. Parshley, College of Physicians and Surgeons, 630 W. 168th St., New York 32.

The **University of Toledo** has acquired the Pittsburgh Plate Glass Company as a supporting member of its Graduate Institute in Silicate Chemistry and Related Sciences. Other participants in the institute, which was organized last summer, are Libbey-Owens-Ford Glass Company, Owens-Corning Fiberglas Corp., and Owens-Illinois Glass Company. Wilhelm Eitel, founder of the Kaiser Wilhelm Institute of Silicate Research, is director of the institute.

Because of staff shortages in the Department of Electrical Engineering at the **University of Wisconsin**, John R. Price and Leslie E. A. Kelso, both of whom retired in June 1950, are serving on special teaching contracts during the current semester. William H. Peterson, a third emeritus professor, will continue his research in biochemistry, which is supported by Merck and Squibb.

The semiannual **X-Ray Diffraction School** of the North American Philips Company, Mount Vernon, N. Y., to be held Apr. 20-24, will offer the following speakers: Apr. 20-21, I. Fankuchen; Apr. 22, William Parrish; Apr. 23, Herbert Friedman; Apr. 24, Ray Pepinsky, Martin Buerger, Richard Bear, and others. Registration, for which there is no fee, is limited to 100, with applications filled in order of receipt.

Grants and Fellowships

The **Arthritis and Rheumatism Foundation** has awarded ten new grants and renewed six (totaling \$77,300), for basic research involving the connective tissues. Baruch S. Blumberg, William C. Robbins, Thomas G. Kantor, Robert Rowen, Harold B. Houser, Alvin Volkman, Vaughn W. Westermeyer, Charles W. Denko, Allan St. J. Nixon, and David Platt are the recipients of new grants.

Bethlehem Fabricators, Inc., has endowed a scholarship at Lehigh University in honor of R. P. Hutchinson, chairman of its board. The first award will be made at the end of the 1953-54 academic year. Lehigh has also established a new scholarship for students in mining engineering, through a bequest from the late Esther R. Fuller Warwick, given in memory of her father, John T. Fuller.

A **Joseph De La Roche D'Aillon** scholarship has been established at St. Bonaventure (N. Y.) University by John P. Herrick, oil producer and writer, of Olean, N. Y. The scholarship honors the Franciscan missionary who, three centuries ago, became the first white man to report the presence of oil in North America.

Duke University Marine Laboratory is offering ten graduate scholarships, covering tuition, board, and room, for courses in marine ecology, oceanography, coastal aquatic vegetation, marine invertebrate zoology, or for research in marine botany and zoology. Application and transcript should be sent to C. G. Bookhout, Department of Zoology, Duke University.

The **V. N. Ipatieff Research Professorship in Organic Chemistry** has been endowed at Northwestern University, by Universal Oil Products Company in honor of the company's late director of chemical research.

The **Frank B. Jewett Postdoctoral Fellowships** for 1953-54 have been won by Marshall Fixman, of MIT; Henry Helson, of Yale; Roger Gerhard Newton, of Harvard; Richard Scott Pierce, of Yale; and Daniel Burrill Ray, of Cornell. Dr. Helson was among the award winners last year.

The **Henry J. Kaiser Family Foundation** has given \$50,000 to the University of California to provide for grants-in-aid to medical students in the Schools of Medicine in San Francisco and Los Angeles, and for graduate nurses in San Francisco, Berkeley, and Los Angeles. The foundation suggested that the total, together with any interest, be expended within the next three to five years.

The **National Foundation for Infantile Paralysis** has approved research and professional education projects totaling \$2,586,271 at 32 medical schools, hospitals, research institutions, and educational organizations. Among the largest grants was \$104,486 to the University of Toronto-Connaught Medical Research Laboratories, for work under the direction of Andrew J. Rhodes. Other large sums went to the University of Pittsburgh (\$236,472, for Jonas E. Salk); Mount Sinai Hospital, New York (\$185,458, for Gregory Schwartzman); and the University of Cincinnati (\$114,280, for Albert B. Sabin).

The **Rapkin French Scientist Fund** has undertaken to assist an American biochemical geneticist to travel to the ninth International Congress of Genetics, which will be held in Bellagio, Italy, Aug. 24-31. The foundation was created in memory of the late Louis Rapkin to aid scientists of all nations who work in fields related to Rapkin's. Francis J. Ryan, Department of Zoology, Columbia University, is chairman of the Genetics Society Travel Committee.

In the Laboratories

American Bio-Chemical Laboratories, Inc., has appointed S. L. Goldheim director of its laboratory at 1612 Harford Ave., Baltimore. Dr. Goldheim, who has been doing research in the chemical and fermentation industries, will consolidate his own office and laboratory with that of ABC.

The **Atomic Energy Commission** will build an explosives processing and assembly plant on the Spoon River in Fulton County, near Macomb, Ill. Construction will begin this spring. The new plant will not manufacture radioactive material.

Ethyl Corporation has appointed Richard C. Back, an entomologist, to the product development staff for research on agricultural chemicals. John D. Bartleson, a specialist in hydrocarbon synthesis and lubricating oil additives, has joined the Automotive Products Division in Detroit.

Foundation Laboratories, Inc., has been formed to develop and distribute the steroid hormone products of Syntex. S. A. John R. Mote, of Smith, Kline & French, has been appointed medical director, and Jack Reed, of Chemical Specialties Co., will head the Division of Veterinary Medicine and Animal Husbandry.

Hercules Powder Company will lend Henry Reeves, Jr., to the Hercules Powder Company, Ltd., in England, for two years. Mr. Reeves is assistant to the director of operations for the Paper Makers Chemical Department.

Eli Lilly and Company have appointed Raymond E. Crandall head of the Antibiotics Fermentation Department to succeed J. J. Stefaniak, who has been named assistant director of Lilly's new Tippecanoe Laboratories. Recent additions to the Lilly staff include Lawrence E. Barron, Marguerite R. Clark, William L. Garbrecht, and Walter E. Wright.

Los Alamos Scientific Laboratory has added the following physicists to its staff: John F. Barnes, Joe Bergstein, Maxine S. Goad, and Alfred W. Solbrig. Bruce J. Dropesky, chemist, has joined the Test Division.

Meetings and Elections

American Chemical Society division elections include the following: Division of Analytical Chemistry: Herbert A. Laitinen, chairman, and G. Frederick Smith, chairman-elect; Division of History of Chemistry: Virginia Bartow, chairman (re-election); Biological Chemistry: Richard H. Barnes, chairman, and Esmond E. Snell, vice-chairman (re-elections); Carbohydrate Chemistry: Thomas R. Gillett, chairman, and Nelson K. Richtmyer, chairman-elect; Gas and Fuel Chemistry: George D. Creelman, chairman, and Corliss R. Kinney, chairman-elect; Physical and Inorganic Chemistry: F. A. Long, chairman, and Joseph W. Kennedy, chairman-elect.

The **Gerontological Society, Inc.**, will hold its sixth annual scientific session in San Francisco, Aug. 26-28, under the chairmanship of Edward L. Bortz, of Philadelphia. Harold Jones, Department of Psychology, University of California, Berkeley, is chairman of local arrangements.

The third **International Biometric Conference** will be held at Bellagio, on Lake Como in northern Italy, Sept. 1-5, immediately following the **International Genetics Congress** in Bellagio, Aug. 24-31, and preceding the **International Microbiological Congress** in Rome, Sept. 6-12. Members living in the U. S. should send their registration cards and remittances at once to the Biometric Society, Box 1106, New Haven 4, Conn. Others should apply directly to the executive secretary of the conference, L. L. Cavalli-Sforza, Istituto Sieroterapico Milanese, Via Darwin 20, Milan. Full information concerning each contributed paper or exhibit should reach the secretary before Apr. 30,

and should include the title, a summary in English of 200 words or less, and other pertinent details.

The **XIVth International Congress of Zoology** will be held in Copenhagen Aug. 5-12. R. Späreck is president of the congress, and Anton Fr. Bruun, Zoologisk Museum, Universitetet, Krystalgade 27, Copenhagen, is secretary general. The preliminary plan is to have three general meetings and several sections, with two excursions to West and East Jutland after the congress, and possibly one to study the marine fauna of the deeper part of the Skagerrak.

The **Modern Language Association** has elected Hayward Keniston, of Duke University, president for 1953; Adolf Benson, of Yale, and Thomas Clark Pollock, of New York University, were elected vice presidents. Juan R. Castellano, of Duke, was elected vice president of the **American Association of Teachers of Spanish and Portuguese**, an MLA affiliate.

The **National Vitamin Foundation** will hold its annual meeting Mar. 4 at the Biltmore Hotel, New York. Among participants in the scientific session will be Karl E. Mason, E. W. McHenry, B. M. Kagan, W. F. Alexander, M. K. Horwitt, William J. Darby, Nevin S. Scrimshaw, Roberto Funaro, and W. T. Thompkins.

The annual meeting of the **Radiation Research Society** will be held at the State University of Iowa, June 22-24. E. S. G. Barron, Edwin J. Hart, Warren Garrison, J. L. Magee, and A. O. Allen will participate in a symposium on "The Effects of Radiation on Aqueous Solutions," and Ugo Fano, Burton J. Moyer, G. Failla, L. D. Marinelli, and Payne S. Harris will discuss "Physical Measurements for Radiobiology." L. H. Gray, of the Hammersmith Hospital, London, will give a special lecture on June 23. For full information, address A. Edelmann, Biology Department, Brookhaven National Laboratory, Upton, N. Y.

A **Symposium on the Future and Limitations of Physiology** will be held under the auspices of the International Union of Physiological Sciences in Montreal during the meetings of the International Physiological Congress, Aug. 31-Sept. 4. The symposium is being underwritten by a grant from the International Council of Scientific Unions, and the first meeting will be a public one.

A **Symposium on Recent Advances in the Study of Venereal Diseases** will be held Apr. 30-May 1 in Washington, D. C., under the auspices of the Experimental Therapeutics Study Section, National Institutes of Health. A preliminary program will be published in the March number of the *American Journal of Syphilis, Gonorrhea, and Venereal Diseases*. For further information, address Frederick W. Appel, at NIH, Bethesda 14, Md., or John C. Hume, American Venereal Disease Association, 615 N. Wolfe St., Baltimore 5.

A **Symposium on Stress**, cosponsored by the Army Medical Service Graduate School and the National

Research Council Division of Medical Sciences, will be held in Washington, D. C., Mar. 16-18. Among the speakers will be John C. Whitehorn, Wallace O. Fenn, Hudson Hoagland, and Henry Brosin. Visitors from abroad will include Ulf Svente von Euler, head of the Physiology Department of the Karolinska Institutet, Stockholm, and Ludwig Guttmann, director of the Spinal Injuries Centre, Aylesbury, England.

The **Texas Academy of Science**, at its annual meeting held on the campus of Texas Christian University, elected D. B. Calvin president and Joseph P. Harris vice president. Gladys H. Baird was re-elected secretary-treasurer. More than 700 persons registered for the meeting, over half of which were members of the Collegiate and Junior academies. The Collegiate Academy now has 29 chapters and about 400 individual members. Approximately 30 papers were presented by students; many of the papers will be published in *Tasca*, the quarterly journal of the academy.

Miscellaneous

The **American Forestry Association** is again offering a ten-day horseback trip (May 20-30) in the Great Smoky Mountains. Headquarters will be the Cataloochee Ranch, on Fie Top Mountain, near Waynesville, N. C. Cost of the trip is \$175, from Asheville, where riders will be met and transported to the ranch, and returned on the morning of May 30. For reservations and full details, write to Dorothy Dixon, American Forestry Association, 919 17th St., N.W., Washington 6, D. C.

A field trip sponsored by the **American Museum of Natural History** will take Harry Tschopik, Jr., assistant curator of ethnology, and Raúl de los Ríos, of Peru, to the tributaries of the upper Amazon. Dr. Tschopik will make a socioanthropological study of the Indians, and Mr. de los Ríos will make a collection of the food, weapons, clothing and artifacts of these people.

The **American Society for Metals** has established a Foundation for Education and Research. Approximately \$30,000 a year will be available for the advancement and dissemination of scientific knowledge, particularly with respect to the technology of metals, for the use and benefit of the public at large, whether through education, and research carried on by the foundation or through the support of educational and research activities in established institutions.

The **California Foundation for Biochemical Research**, 3408 Fowler St., Los Angeles 63, has available 10 mg samples of thymidylic acid, an important component of living cells, which will be distributed free to qualified researchers upon request.

The **Capricorn Expedition**, conducted by the Scripps Institution of Oceanography, and sponsored by the Office of Naval Research, will have as a primary objective the study of the geology and geophysics of the South Pacific. Two ships, the R/V *Horizon*, of

the University of California's research fleet, and the R/V *Spencer F. Baird*, owned by the Navy and operated by Scripps, will take the expedition to the Fiji Islands, over the Tonga Deep, through the Society and Marquesas islands, across the Easter Island swell and the Albatross Plateau, and finally north to San Diego. Roger Revelle, director of Scripps, and member of the Pacific Science Association Standing Committee on Pacific Oceanography, will be scientific leader of the expedition. Like the Northern Holiday Expedition of 1951 and the Shellback Expedition of 1952, Capricorn has been planned to enlarge knowledge of a little-studied oceanic area.

Among reports recently issued by the United Kingdom's **Department of Scientific and Industrial Research** are: *Pest Infestation Research 1951*, which devotes noteworthy attention to blowflies, cheese mites, special sources of infestation, and problems of control by means of insecticides and fumigants; and *Radio Research 1951*, which stresses recent research on the properties and electrical applications of germanium, radio wave propagation especially in the ionosphere, and a project involving a geographic survey of high-frequency radio noise levels that interfere with long-distance radio communication. Both reports are available at the British Information Services, Rockefeller Center, New York.

Recent visitors from abroad at the **Eastern Regional Research Laboratory**, Philadelphia, were Karl Pedersen, Copenhagen Pectin Factory; P. Hedemann, Kolding-Egnens Mosteri, Kolding, Denmark; and Marry H. Lykaas, Joint Establishment for Nuclear Energy Research of Norway, Lillestrom.

The **Fund for the Republic** has been established by the Ford Foundation, to work for the elimination of restrictions on freedom of thought, inquiry, and expression in the U. S. A group of distinguished men and women has been asked to form an independent organization and to outline a program. If the group's work proves satisfactory, a substantial grant will be made to enable it to carry on its work over a period of years.

The **Future Scientists of America Foundation** will give 104 awards to students, grades 7-12, and 20 to teachers, for projects and activities relating to science and mathematics, in its second annual program of science achievement awards. The foundation is sponsored by the American Society for Metals, and the program is administered by the National Science Teachers Association. Rules and information may be obtained from the foundation, 1201 16th St., N.W., Washington, D. C.; reports of projects must be sent to regional chairmen by May 31.

A combined index for Vols. 1-58, 1903-51, of the *Proceedings of the American Society for Horticultural Science*, prepared by H. B. Tukey and M. S. Barrett, is now available from the W. F. Humphrey Press, Geneva, N. Y., at \$4.00.