

News and Notes

About People

Erwin H. Amick, Jr., associate professor of chemical engineering at Columbia University, has been appointed to the new post of associate dean of the School of Engineering. Dr. Amick is now in Germany, where he is serving for the second successive summer as a technical consultant to the Department of the Army in connection with the operation of I. G. Farben Industries.

Norris E. Bradbury, director of the University of California Los Alamos Scientific Laboratory in New Mexico since 1945, has been given the additional appointment of professor of physics in the Department of Physics at Berkeley.

Woodrow R. Byrum has been appointed professor of pharmacology at the University of Georgia School of Pharmacy. Dr. Byrum has been head of the Department of Pharmacology at the School of Pharmacy, University of Arizona, for the past two years.

Carl E. Hookings, formerly of the Department of Health of the Province of Ontario, Canada, has joined the faculty of the Division of Preventive Medicine, University of Tennessee College of Medicine, as assistant professor. He will also direct the Maternal and Child Hygiene Division of the Memphis and Shelby County Health Department.

F. R. Hunter, formerly of the University of Oklahoma, and **L. M. Beidler**, formerly associated with The Johns Hopkins University, have joined the staff of the Department of Physiology at Florida State University, Tallahassee. Dr. Hunter will work in general physiology, and Dr. Beidler will work in biophysics.

Edward Mack, Jr., chairman of Ohio State University's Department of Chemistry, has been elected to the Board of Directors of the Oak Ridge Institute of Nuclear Studies. Dr. Mack was appointed to complete the

unexpired two-year term of **George B. Pegram**, former vice president of Columbia University.

W. Glenn Moss, formerly associate professor of pharmacology at Temple University School of Medicine, has been named assistant professor of physiology at the University of Illinois College of Medicine.

Paul Rosenberg has been elected president of the Institute of Navigation, New York City, for the academic year 1950-51, to succeed **Gordon McLintock**, Rear Admiral, USMS. Dr. Rosenberg will retain his position as president of Paul Rosenberg Associates, New York firm of consulting physicists.

John T. Tripp has been appointed chief of the Section on Human Blood Products, Laboratory of Biologic Control, Microbiology Institute, National Institutes of Health. Dr. Tripp, a biochemist and immunologist, was formerly assistant director of the Division of Laboratories, Michigan Department of Health, where he was in charge of the manufacture of serums and vaccines for the past 15 years.

Frank J. Veihmeyer, professor of irrigation in the University of California's College of Agriculture, Davis, has been elected president of the Hydrology Section of the American Geophysical Union for the period 1950-53. As president, Dr. Veihmeyer will be U. S. representative at the meeting of the International Geophysical Union in Belgium in 1952.

Visitors

William T. Astbury, professor of biomolecular structure, University of Leeds, England, will deliver the first Harvey Lecture of the current series at the New York Academy of Medicine on September 28. Dr. Astbury will speak on "Adventures in Molecular Biology."

Recent visitors at the Communicable Disease Center, USPHS, Atlanta, were **Otto R. Gsell**, chief physi-

cian, Medical Clinic, Kanton Hospital, St. Gallen, Switzerland; **Raul Alee**, Department of Parasitology, Chilean Public Health Service, Santiago; **Armando M. Silva**, medical sanitarian, Secretary of Health and Assistance, Niteroi, Rio de Janeiro; **Pedro Nel Saavedra**, port sanitation doctor, Ministry of Hygiene, Bogotá, Colombia; **Bienvenido P. Caro**, medical assistant, Health Department, Manila, Philippines; and **Shinken Ohama**, president, Yaeyama Doctors' Association, Yaeyama, Okinawa.

Recent visitors at the National Bureau of Standards were **Sir Richard V. Southwell**, formerly rector, Imperial College, London; **W. G. Sutton**, professor of civil engineering, University of Witwatersrand, Johannesburg, South Africa; **Mary G. Vaisey**, assistant lecturer on mathematics, Imperial College, London; and **Goro Yoshida**, director, Electrical Communication Laboratory, Ministry of Communications, Tokyo.

Grants and Awards

The Army Medical Services has granted \$25,000 to Truman G. Blocker, Jr., professor of plastic and maxillofacial surgery, University of Texas Medical Branch, Galveston, for studies relating to thermal injury and epithelization.

The Squibb Institute for Medical Research, New Brunswick, New Jersey, has approved 32 new and renewal grants and fellowships for 1950-51, totaling \$149,460. The new grants are: **James A. Baker**, New York State Veterinary College—\$1,000 for support of the Cornell Research Laboratory for Diseases of Dogs; **Willis E. Brown**, University of Arkansas—\$5,600 for studies in endocrinology; **Robert F. Chinnock**, College of Medical Evangelists—\$925 for studies with vitamin B₁₂; **Byron B. Clark**, Tufts College—\$9,000 for studies with central nervous system drugs; **Robert R. de Alvarez**, University of Washington—\$500 for

studies of anesthesia in obstetrics; *Walter Finke*, University of Rochester—\$600 for preliminary studies of treatment of bronchopulmonary infection in children; *H. O. Halvorsen*, University of Illinois—\$5,000 for studies in development of new antibiotics; *William L. Hewitt*, University of California—\$3,800 for support of a section on infectious diseases and chemotherapy at Wadsworth General Hospital; *H. Corwin Hinshaw*, Stanford University—\$1,800 for a fellowship under his direction for studies on streptomycin and dihydrostreptomycin; *Joseph W. Jailer*, Columbia University—\$2,500 for a fellowship under his direction for studies of metabolism of steroids; *William A. Jeffers*, University of Pennsylvania—\$5,000 for studies on abnormal physiology of hypertension; *Mary Karp*, Wesley Memorial Hospital—\$4,370 for studies on dihydrostreptomycin; *Seymour Lieberman*, Columbia University—\$5,000 for studies in endocrinology; *A. R. McIntyre*, University of Nebraska—\$5,500 for studies on local anesthetics; *E. K. Marshall, Jr.*, The Johns Hopkins University—\$4,120 for a fellowship under his direction for studies in endocrinology; Massachusetts General Hospital—\$10,000 for support of its research fund; *A. E. Rakoff*, Jefferson Medical College—\$2,400 for research in endocrinology; *Paul Reznikoff*, New York Hospital-Cornell Medical Center—\$2,500 for studies in hematology; *R. Plato Schwartz*, University of Rochester—\$10,000 for support of the drug program in the Orthopedic Clinic; *Robert R. Sealock*, Iowa State College—\$10,200 for studies of the chemistry and biochemistry of vitamin B₁₂; *Hirsh Sulkowitch*, Harvard Medical School—\$2,000 for development of a method for sodium assay in body fluids; *Klaus Unna*, University of Illinois—\$2,667 for studies with central nervous system drugs; *V. K. Volk*, Saginaw County Department of Health—\$1,500 for studies of evaluation of biologicals; and *Theodore von Storch*, Montefiore Hospital—\$1,200 for studies of vitamin B₁₂ and multiple sclerosis.

The Franklin L. Burr Prize of \$1,000 has been awarded by the

National Geographic Society to Frank M. Setzler, head curator of the Department of Anthropology, U. S. National Museum, in recognition of his contributions as deputy director of the recent Ethnological-Biological Expedition to Arnhem Land, Australia (*Science*, May 20, 1949, p. 528), sponsored by the society, the Smithsonian Institution, and the Australian government. A similar award was presented to Charles P. Mountford, director of the Australian Department of Information, who headed the expedition.

The American Geographical Society has made three awards "for special distinction in the field of exploration and geographical research." **The Cullum Geographical Medal** was awarded to Hans W:son Ahlmann, professor of geography, University of Stockholm, for his work in glacier study. **The Charles P. Daly Medal** was awarded to Laurence Dudley Stamp, professor of social geography, University of London, for contributions to food production in Britain and for town and rural planning. Robert Larimore Pendleton, professor of tropical soils and agriculture, The Johns Hopkins University, was awarded the **David Livingstone Centenary Medal** for work in the field of geography in the Southern Hemisphere.

Scholarship and Lectureship

The Section on Experimental Medicine and Therapeutics of the **American Medical Association** has established a lectureship in honor of George R. Minot, noted pathologist and former director of Thorndike Memorial Laboratory, Boston City Hospital, who died last February. The first lecture will be given at the 1951 meeting of the association by William B. Castle, present director of Thorndike Memorial Laboratory.

The John and Mary R. Markle Foundation, 14 Wall Street, New York, will continue for a fourth year its program of 5-year grants for Scholars in Medical Science to help young scientists interested in teaching and research to become established in academic medicine. A total of 47 scholars on the staffs of

35 medical schools in the U. S. and Canada are now being aided by these grants. Twenty were chosen in 1950. The number to be named in 1951 has not been determined.

All medical schools are invited to nominate one candidate. Grants of \$25,000, payable at the rate of \$5,000 annually, will be made to the schools over a 5-year period for the support of each scholar selected. Nominations should be made to the foundation on or before December 1.

Colleges and Universities

A new staining technique for diagnosis of skin and tissue diseases due to fungus infections has been developed in the Department of Dermatology and Syphilology in the **University of Pennsylvania's School of Medicine**. A laboratory test, using the Hotchkiss-McManus stain for coloring cellulose, with basic fuchsin as the final coloring substance, makes it possible for physicians to differentiate between suspected cases of cancer, tuberculosis, and syphilis, and the diseases traceable to fungi. The staining method can be applied to deep-seated fungus infections by using biopsy specimens, sputum, urine, lymph, or other effluvia, and many positive diagnoses can be made on specimens in which fungus was not shown by previous methods. The research was conducted by Albert M. Kligman, Senior Research Fellow of the U. S. Public Health Service, and Herbert Mescon, Damon Runyon Research Fellow, both members of the faculty of the university's School of Medicine.

Botanists of the **University of Wisconsin** are using plant tissue cultures to investigate the function of the plant hormones that control growth. Under the direction of Folke Skoog, associate professor of botany, and Cheng Tsui, the group is studying the effect of varying quantities of auxins and adenine on stem tissue grown in laboratory flasks on an artificial medium.

The University of Texas is sponsoring a joint research project with the **U. S. Air Force School of Aviation Medicine**, Randolph Field, Texas, which is designed to increase

the accuracy of psychological selection of flying personnel. The program will include a series of research projects dealing with psychological and physiological measurements of anxiety and anxiety reactions, and will be carried out in conjunction with the Air Force program of development of psychiatric screening tests for flyers. During the three years of the contract, a maximum of four graduate students a year from the University of Texas will be assigned as interns to the School of Aviation Medicine's Department of Clinical Psychology. Karl M. Dalenbach, chairman of the Department of Psychology, University of Texas, is director of the project for the university. Saul B. Sells, chief of the Department of Clinical Pathology, School of Aviation Medicine, is project director at that school.

Western Reserve University, Cleveland, has appointed Donald L. Thistlethwaite, assistant in philosophy and psychology at the University of California, as assistant professor of Psychology. Mathews C. Waddell, Johns Hopkins University, has been appointed assistant professor of mathematics. Additions to the faculty of the School of Medicine are: William E. Abbott, associate professor of surgery; T. George Bidder, assistant professor of pharmacology; Guilio L. Cantoni, associate professor of pharmacology; and Roger B. Scott, of Johns Hopkins University, associate professor of obstetrics and gynecology.

Industrial Laboratories

Bausch and Lomb Optical Company, Rochester, New York, is sending John V. Sharp, recent recipient of the Sherman Fairchild Award of the American Society of Photogrammetry, to Leopoldville, Africa, to work with Belgian technicians on a government-sponsored project to produce the first topographic map of the Belgian Congo. The contour maps, similar to those made by the U. S. Army Air Force during World War II, will be used to further the development of the Belgian Congo's mineral deposits—which include uranium, copper, tin, cobalt, silver, gold, and diamonds—in planning

railroads and flood control projects, and in building pipe lines.

The Metalloy Corporation, of Minneapolis, a division of the Lithium Corporation of America, is distributing the first supplement to the *Annotated Bibliography on the Use of Organolithium Compounds in Organic Synthesis*, published in January, 1949. The original publication contained abstracts from chemical journals for the period 1929-47. The supplement, containing abstracts of more than 150 papers, covers the two-year period 1948-49. It will be mailed to chemists who received the annotated bibliography. Further information concerning the abstracts may be obtained from Metalloy Corporation, Minneapolis, Minnesota.

The Research Division of the **Upjohn Company**, Kalamazoo, Michigan, has prepared two active adrenal steroids that differ from cortisone in having a hydroxyl group rather than a ketone group at the 11-position on the steroid nucleus. The two compounds, corticosterone (compound B) and 17-hydroxycorticosterone (compound F), have been supplied recently for limited clinical testing in rheumatoid arthritis and Addison's disease, but amounts available do not allow further distribution at the present time.

Smith-New York, Freeport, New York, has published a catalogue listing chemicals available in ampoules of a special design—stronger than pharmaceutical ampoules—in 5-, 10-, and 25-gram sizes. Intended primarily for corrosive liquids, the "tubules" are also being used for other chemicals. They are particularly useful to universities and industrial stockrooms. The catalogue is available on request.

Meetings

The Division of Rubber Chemistry of the American Chemical Society will hold its first international meeting in Cleveland, October 11-13, with headquarters at Hotel Cleveland. Rubber chemists from England, France, Italy, the Netherlands, and Germany will present 25 technical papers, and American

chemists will present an equal number in the scientific program, which will stress international exchange of information on the compounding and processing of natural and synthetic rubber. Amos W. Oakleaf, of Phillips Petroleum Company, has been named general chairman. The American Chemical Society, 60 East 42nd Street, New York City, will furnish further information about the meeting.

The American Institute of Electrical Engineers will hold its annual fall general meeting October 23-27, at the Skirvin Hotel, in Oklahoma City. Advances in power generation, the basic sciences, and communications—including radio and television—will be discussed at two general meetings; three days will be devoted to specific technical aspects of electrical engineering and allied fields.

The American Public Health Association and 32 related organizations in the field of public health and preventive medicine will hold meetings at Kiel Auditorium, St. Louis, Missouri, October 30-November 3. The Lasker Awards for 1950 and the Sedgwick Memorial Medal of the association will be presented during the meeting. Additional information may be obtained from Reginald M. Atwater, Executive Secretary, American Public Health Association, 1790 Broadway, New York City.

Deaths

Brayton Eddy, curator of insects and reptiles for the New York Zoological Society during the past five years, died July 17 at the age of 51. Dr. Eddy, a well-known entomologist, established the country's first insect zoo at Goddard Park in Providence, Rhode Island, in 1935.

Rollin G. Myers, chemist, died recently at his home in Palo Alto, California. He served as Chemist in Charge, USN, Cavite, Manila Bay, Philippine Islands, from 1929 until the base was destroyed by bombing in December, 1941. He and Mrs. Myers were prisoners of war from that time until they were rescued by American forces in the spring of

1945. Dr. Myers was 73 at the time of his death.

Vasil Obreshkove, 60, professor of biology at Bard College, Annandale-on-Hudson, New York, died at his summer home in Ellisburg, New York, July 15. Dr. Obreshkove had been on the faculty of St. Stephen's (now Bard College) for 25 years.

Wortley Fuller Rudd, 73, dean emeritus of the School of Pharmacy, Medical College of Virginia, died July 26 in Richmond, Virginia. Dr. Rudd was dean from 1920 until his retirement in 1947. He was awarded the Herty Medal in 1948 in recognition of his contribution to chemistry in southeastern U. S.

A revitalized Air Force physiological training program has been organized to familiarize Air Force flying personnel with the physiological stresses encountered in military aviation.

Physiological training for Air Force personnel was first established in March, 1942, because the necessity for such a program had earlier been recognized by combat commanders and flight surgeons during World War II. By 1943, this program involved the use of some 60 low-pressure chambers at 50 different Air Force bases in the U. S. and overseas. Hundreds of doctors participated in the teaching of the program, some of whom were physicians, but the majority were doctors of philosophy in physiology drawn from teaching and medical research centers. During approximately three years of operation, they trained thousands of airmen through the use of lectures, demonstrations, training films, and simulated flights in low-pressure chambers. During the summer of 1945, however, the loss of personnel occasioned by rapid demobilization resulted in the closing of nearly all the altitude training units and marked the end of the physiological training program.

In the summer of 1946, action was taken to reinstitute the program. The extreme shortage of aviation physiologists and Medical Corps officers in the service precluded their

being assigned to this program. As a solution to the problem, a group of 14 volunteer pilots, all of whom had combat flying experience, were detailed to the USAF School of Aviation Medicine, where an intensive course of training qualified them to perform the duties of instructors in the program. Since that time, an additional 9 pilots have also received this training and have been assigned as instructors to the U. S. operating units.

In the event of another war, it is to be expected that currently assigned instructor personnel will resume their duties as pilots, and plans envision the recall of reserve physiologists for duty as instructors in this program. Several reserve physiologists are now earning credits through two weeks of active duty training periods with various low-pressure chamber training units. Under the name of "The Physiological Training Program," indoctrination has now been augmented to include demonstrations of the greater hazards encountered in new type planes, such as ultrasonics, higher "G" forces, and many of the other physiological dangers introduced by modern warfare. Civilian reserve physiologists interested in participating in this program are encouraged to apply through their numbered Air Force headquarters for active duty training and/or mobilization assignments with existing or proposed physiological training units. Nonreserve civilians desiring appointment in the USAF Reserve for subsequent duty in this program should get in touch with The Surgeon General, USAF, Washington 25, D. C.

A Unesco scientific exhibit, captioned entirely in Spanish, will open at Lima, Peru, this month and then go on an extended tour of major Latin-American cities as part of the science popularization program of Unesco. The show, designed and constructed at the Massachusetts Institute of Technology, will be taken to Lima by Christina Buechner, executive secretary of the Committee on International Scientific Publications of the National Research Council and consultant to Unesco on Latin-American problems. It will demonstrate

the principles of physics and astronomy, and the work of high school science clubs.

The text of the physics section was prepared by John C. Slater, head of MIT's Physics Department. Harlow Shapley, director of the Harvard College Observatory, and C. A. Federer, Jr., editor of *Sky and Telescope*, were responsible for the astronomy portion of the show, which includes a portable planetarium operated within a domed enclosure seating 40-60 people. The science club exhibit was arranged by Science Service, of Washington, D. C., which administers the Science Clubs of America, sponsored by the Westinghouse Educational Foundation. This section was designed to stimulate the growth of similar science clubs among Latin-American youth.

Recently Received

Report of the Committee on a Treatise on Marine Ecology and Paleogeology, 1948-49. Division of Geology and Geography, National Research Council, 2101 Constitution Avenue, Washington 25, D. C.

Never Too Old. New York State Joint Legislative Committee on Problems of Aging, 1949. Thomas C. Desmond, Chairman, New York State Legislative Committee on Problems of the Aging. 94 Broadway, Newburgh, New York.

Mode of Action of Organic Insecticides. Robert L. Metcalf, University of California Citrus Experiment Station. \$1.00.

Monofluoroacetic Acid and Related Compounds. Maynard B. Chenoweth, University of Michigan Medical School. 50 cents. Publications Office, National Research Council, 2101 Constitution Avenue, Washington 25, D. C.

Grasshopper Outbreaks in North Dakota, 1808-1948. Reprints on request. J. A. Munro, Department of Entomology, North Dakota Agricultural College Experiment Station, State College Station, Fargo, N. D.

Nutrition in Ophthalmology. John J. Stern. Nutrition Monograph Series, No. 1. National Vitamin Foundation, Inc., 150 Broadway, New York City.