

The Pittsburgh section has arranged for an informal "get-together" on Monday evening, September 6. The presidential address of Dr. Frolich will be delivered on Wednesday afternoon. His address is entitled "Petroleum—Past, Present and Future." Colonel Bradley Dewey, of the Office of the Rubber Director, will speak on "The Synthetic Rubber Program—Present and Future"; Colonel Paul P. Logan, Quartermaster Corps, on "Army Food." A subscription dinner will be given at 7:30 in the evening.

On Wednesday, September 8, in the ballroom of the Hotel William Penn, there will be a continuous showing of industrial motion picture films from 9:30 to 11:30 A.M.

The Alien Property Custodian of the United States Government will exhibit some 10,000 copies of vested United States chemical patents and chemical patent applications. Formerly enemy-owned or enemy-controlled, these patents and patent applications are now under the control of the Alien Property Custodian. All, except those exclusively licensed to American firms, are available for use on liberal terms. The Fisher Scientific Company has arranged for an exhibit of its collection of about one hundred and fifty chemical and historical pictures.

AWARDS OF SIGMA XI GRANTS-IN-AID OF RESEARCH

THE following awards have been made in 1943 by the Society of the Sigma Xi:

R. H. Alden, of the University of Tennessee Medical School:

\$200 for the purchase of equipment to aid in studies on the implantation of a mammalian egg.

T. T. Chen, of the University of California:

\$290 to defray partial cost of special optical equipment

for a microscope to aid in studies on the nuclei of malaria parasites.

E. E. Dale, of Union College:

\$200 for technical assistance in connection with the study of the genetics and histology of petunia.

E. S. Deevey, Jr., of the Woods Hole Oceanographic Institute:

\$150 to be used in the construction of a Wilson borer for studies on the developmental history of lakes.

R. R. Humphrey, of the University of Buffalo:

\$150 to provide for part-time assistance in connection with studies on the genetics of sex determination in *Amblystoma*.

A. T. Miller, Jr., of the Medical School of the University of North Carolina:

\$250 for assistance in the purchase of a pump and motor for the operation of a low pressure chamber.

E. H. Myers, of Stanford University:

\$350 to be used in the purchase of equipment to aid in a study of the biology of tropical Foraminifera.

C. A. Neuberg, of New York University:

\$250 for use in defraying cost of special chemicals and apparatus in connection with investigations on fermentation.

H. H. Nininger, of the American Meteorite Laboratory: \$250 for assistance in the publication of the results on the relation between meteorites and geology.

R. A. Studhalter and W. S. Glock, of the Texas Technological College, Lubbock:

\$150 for technical assistance in the continuation of studies on tree rings.

The committee that made the awards consisted of Dr. Harlow Shapley, of the Harvard College Observatory, president of the society; Dr. Hugh S. Taylor, of Princeton University, and Dr. L. C. Dunn, of Columbia University.

SCIENTIFIC NOTES AND NEWS

THE Award of \$1,000 in Pure Chemistry of the American Chemical Society, initiated by the late A. C. Langmuir and now provided for by Alpha Chi Sigma, has been awarded for the year 1943 to Kenneth Sanborn Pitzer, of the department of chemistry of the University of California. The prize will be presented to Dr. Pitzer at the annual meeting of the society, which will be held in Pittsburgh from September 6 to 10.

Chemical and Engineering News states that Ronald Q. Smith, chairman of the Hawaiian Section of the American Chemical Society, has been awarded the Legion of Merit by the Commanding General of the Hawaiian Department in recognition of his work in designing and manufacturing emergency gas masks and modified standard masks for small children. The presentation was made at a ceremony on June 24.

Major Smith is on leave as an officer of the Pacific Guano and Fertilizer Company, while on active duty with the Chemical Warfare Service.

DR. SAMUEL ADAMS TRUFANT, III, has been presented with the Walter Reed Memorial Award for his thesis entitled "Sylvatic Plague." The award is given by Tulane University to a senior student at the School of Medicine.

NEWLY elected officers of the National Association of Science Writers are: *President*, Robert D. Potter, science editor of *The American Weekly*; and *Secretary-Treasurer*, Captain McDonough, AUS, Office of the Surgeon General of the Army. Committee appointments include Howard Blakeslee, the Associated Press, chairman of the President's Advisory Committee; William Laurence, *The New York Times*, chair-

man of the War Advisory Committee; Gobind B. Lal, International News Service, chairman of the Program Committee. A special publication committee has been appointed to explore the possibilities of founding an official journal of the association—a magazine designed to bring the advances of science and medicine to a wide layman audience. Serving on the committee with Potter, Laurence and Blakeslee are Waldemar Kaempffert, *The New York Times*; David Dietz, Scripps-Howard Newspapers, and Laurence Salter, the American Medical Association.

DR. WILLIAM WORTH HALE, since 1918 associate professor of pharmacology and assistant dean of the faculty of medicine of Harvard University, retired on August 31. He will continue as assistant dean of the faculty of medicine and chairman of the committee on admissions.

MALCOLM E. CAMPBELL, research manager of the Textile Research Institute, formerly senior cotton technologist of the U. S. Department of Agriculture, has been elected dean of the textile school at North Carolina State College, succeeding Dean Thomas Nelson, who has retired.

DR. HAROLD B. HITCHCOCK has joined the faculty of Middlebury College as assistant professor of biology. He succeeds Dr. Samuel E. Longwell, who retired in May after serving for twenty-four years. Dr. Rex N. Webster has been made chairman of the department. Other appointments include Dr. Charles D. Starr, assistant professor of physical chemistry, and Grant H. Harnest, instructor in biochemistry. John A. MacMorris, since 1934 head of the science department of the Corinth (N. Y.) schools, has been appointed instructor in physics.

J. OSBORN FULLER, instructor in geology at the Ohio State University, has become assistant professor of geology at the University of Virginia.

DR. A. W. HURD, dean of Hamline University, has been appointed director of educational research and service at the Medical College of Virginia.

THE *Journal* of the American Medical Association states that the Schenley Distillers Corporation through its president, Louis Rosenstiel, has made available to the Medical School of Northwestern University a grant for research on penicillin to include the production of the product and its application in cases of disease. A special committee has been established to control this research. Its members include Chester J. Farmer, *chairman*, Dr. Alexander A. Day, Dr. Sumner L. Koch, Dr. Walter S. Priest, Dr. Henry B. Bull, Dr. Guy P. Youmans and Samuel E. Thomason.

DR. DONALD G. MARQUIS has been appointed director of the Office of Psychological Personnel, 2101 Con-

stitution Avenue, Washington 25, D. C., to succeed Dr. Steuart Henderson Britt, who has been commissioned in the Navy. Mrs. Jane D. Morgan has been appointed assistant to the director.

The Experiment Station Record reports that Dr. C. O. Brannen has been appointed director of the Agricultural Experiment Station of the University of Arkansas, as of July 1, and also director of the university bureau of research, set up for the purpose of coordinating all research work in the university. The former director, Dr. W. R. Horlacher, will continue as dean of the College of Agriculture and director of extension.

RESEARCH work at the Florida Agricultural Experiment Station will be materially increased by the recent appointment of three additional staff members as follows: Dr. Cyril L. Comar, formerly research assistant in chemistry at the Michigan State College, has been appointed associate biochemist, to conduct research in animal nutrition; Dr. Henry C. Harris, agronomist with the Delaware Agricultural Experiment Station, has been appointed associate agronomist, to conduct experimental work on pasture grasses, and Dr. Roger W. Bledsoe has been appointed associate agronomist for farm crops research. In addition, Dr. E. M. Andersen, assistant horticulturist, Sub-Tropical Experiment Station, Homestead, has been transferred to the Watermelon and Grape Investigations Laboratory, Leesburg, as associate horticulturist in charge, in the absence of Dr. M. N. Walker, plant pathologist on special work with the Bureau of Plant Industry.

AARON ARNOLD has been appointed head of the Nutritional Laboratory of the Winthrop Chemical Company at Rensselaer, N. Y.

DR. L. F. YNTEMA, professor of chemistry at St. Louis University, since 1930 head of the department of chemistry, has resigned to accept a research position with Fansteel Metallurgical Corporation, North Chicago.

DR. CHARLES S. VENABLE, who has been in charge of the viscose chemical research laboratory of the American Viscose Corporation, has been appointed director of chemical research. F. William Koster, in charge of acetate rayon and vinyon research at the Meadville, Pa., plant of the corporation, has been appointed assistant director, and will be transferred to the plant at Marcus Hook, Pa.

DR. EMMETT R. DUNN, curator of reptiles of the Philadelphia Academy of Natural Sciences, is serving in South America under the Committee for Inter-American Artistic and Intellectual Relations. He has been assigned to the Institute of Natural Sciences,

National University, Bogota, Colombia, where he will work on the collections of reptiles and amphibians from the eastern slope of the Andes. He will also collect specimens in the field.

A POSTGRADUATE Assembly on Nutrition in War-time will be held by the Institute of Medicine of Chicago on Wednesday and Thursday, November 17 and 18. It will be devoted to phases of nutrition that are of particular interest at this time to practicing physicians, dentists, nutritionists and dietitians. There will be no fees of any kind and all members of these professions in Chicago and the Midwest are invited to register. The assembly will present five addresses on each of two mornings and on one afternoon; six panel discussions on the afternoon of the second day, and a "Nutrition Information, Please" program on the first evening. The First William Hamlin Wilder Memorial Lecture will be given on the evening of the second day by Dr. Russell M. Wilder, chief of the Civilian Food Requirements Branch, War Food Administration, Washington.

A BILL signed by the Governor of Alabama appropriates, to establish the Medical College of Alabama, a million dollars for land, buildings and equipment and \$366,760 for each of the fiscal years ending September 30, 1944, and September 30, 1945. A building commission to select a site for the school, which will be conducted as a part of the University of Alabama, will be appointed. The bill authorizes the board of trustees of the university to establish a scholarship for each county in the state in the amount of \$400 a year for the benefit of one resident of each county, payable from the annual state appropriation to the School of Medicine.

DRAKE UNIVERSITY, Des Moines, has announced receipt of a gift of \$200,000 to build and equip after the war a new science building to be known as "Harvey Ingham Science Hall." The building is the gift of the Gardner Cowles Foundation, and the equipment will be given by the Register and Tribune Corporation. Mr. Ingham, in whose honor the new science hall is to be named, became editor emeritus of the Register and Tribune newspapers last January

after serving as editor for forty years. The present Science Hall houses (with the exception of physics and astronomy) the science departments of the university and the College of Pharmacy.

THE Research Laboratory of the General Electric Company, Schenectady, N. Y., announces that 100,000,000-volt x-rays were produced on August 21 for the first time in the history of science. They were obtained from the large induction electron accelerator recently completed. The characteristics of this new type of radiation will be published as fast as they can be determined. The first few observations suffice to show, it is said, that these characteristics differ radically from those with which physicists are familiar.

THE Connecticut Agricultural Experiment Station at New Haven will hold an "Open House" on the station grounds on September 8. Departing from its traditional Field Day at the Mount Carmel farm, the station is this year setting aside half a day for the public to visit the station proper with its four laboratory buildings and six acres of ground. Open house will begin at 1:30 P.M. with a brief welcome by Director William L. Slate and a talk on "Plants and People" by Montague Free, horticulturist of the Brooklyn Botanic Garden. Following the program, visitors will have an opportunity to see the laboratories and greenhouses at work. Staff members will be on hand to explain the work in progress and answer questions on farm and garden subjects. Picnic tables and coffee will be available for early arrivals who bring box lunches. Because of the war limitation, no food will be served. To help to satisfy interest in home vegetable gardening, the "Victory Garden Clinic" will be provided. To the clinic, amateurs are invited to bring problems on soil, diseases and insect pests and any other phases of vegetable or flower gardening. The field work of the staff will be illustrated by moving pictures of forestry and mosquito control and by kodachrome slides of the Mount Carmel experimental grounds and the Tobacco Substation at Windsor. A number of exhibits, including the wood-burning unit for household furnaces, Japanese beetle control and the development of hybrid corn and squash, will be on view.

DISCUSSION

PREVENTION OF ORAL LESIONS IN B_1 AVITAMINOTIC DOGS¹

IN the course of studies on shock induced by hemorrhage,² we have had occasion to produce avitaminosis

¹ The work described in this paper was done under a contract, recommended by the Committee on Medical Research, between the Office of Scientific Research and Development and Vanderbilt University.

² W. M. Govier, *Jour. Pharmac. and Exper. Therap.*, 77: 40, 1943.

B_1 in dogs. This has been done in two ways: first by the feeding of the diet suggested by Goodsell³ which contains casein, sucrose, cottonseed oil, agar and cod liver oil, with autoclaved brewer's yeast to supply the other B complex vitamins, and second, by supplying the diet of Schaefer, McKibbin and Elvehjem,⁴ in which, instead of brewer's yeast, the dogs were given

³ J. Goodsell, *Am. Jour. Physiol.*, 134: 119, 1941.

⁴ A. E. Schaefer, J. M. McKibbin and C. A. Elvehjem, *Jour. Biol. Chem.*, 144: 679, 1942.