

vice, and Dr. E. W. Sinnott, professor of botany at Barnard College, Columbia University, were elected to complete their four-year terms. Dr. Otto Glaser, professor of biology at Amherst College, was reelected clerk of the corporation. Memorials were read for Gary Nathan Calkins and Hermon Carey Bumpus, who died during the year, both of whom had been members of the corporation for nearly fifty years. An expression of appreciation for Dr. Lillie's long and valuable services was read. Dr. Lillie retired from the presidency of the corporation in 1942 after more than forty years of service as administrator of laboratory affairs.

At the meeting of the trustees seven new members were elected to the corporation. It was the sense of

the meeting that the attendance at the laboratory after the war would not only equal that of 1940 (when 386 investigators and their assistants represented 148 institutions) but that it would greatly exceed it. In anticipation of this expansion a committee on additional funds, consisting of Drs. D. E. S. Brown, *chairman*, F. R. Lillie, E. G. Conklin, E. N. Harvey, G. H. A. Clowes (with Laurence Riggs, Dr. C. Packard and D. M. Brodie as *ex-officio* members), has formulated plans for setting up teaching fellowships and scholarships for biologists who would work in Woods Hole throughout the year; for securing funds for a new building to replace the old main building and the other wooden laboratories, and for additional endowment.

SCIENTIFIC NOTES AND NEWS

THE Julius Friedenwald Medal of the American Gastroenterological Association has been awarded to Dr. Thomas R. Brown, associate professor of medicine emeritus of the School of Medicine of the Johns Hopkins University. The July issue of *Gastroenterology* was dedicated to Dr. Brown "in recognition of his many accomplishments as a clinician and a teacher and to mark his contributions in the field of gastroenterology."

It is reported in *The Times*, London, that the joint advisory committee of the Wellcome Foundation and the Veterinary Educational Trust has awarded the first Wellcome Junior Fellowship for Veterinary Research to John Lochiel McGirr.

DR. FREMONT A. CHANDLER, associate professor of orthopedic surgery at the Medical School of Northwestern University, has become professor of orthopedic surgery and head of the department at the College of Medicine of the University of Illinois, Chicago.

DR. RICHARD J. WINZLER, research fellow of the National Cancer Institute, has been appointed assistant professor of biochemistry at the Medical School of the University of Southern California, Los Angeles.

DR. SAUL GERALD COHEN, of the Converse Memorial Laboratory of Harvard University, has been appointed a national research fellow to work under Dr. William G. Young, chairman of the department of chemistry of the University of California at Los Angeles.

DR. ELIZABETH BINDLOSS JOHNSON has been appointed to an assistant professorship in botany at Connecticut College, and Dr. Betty F. Thomson to an instructorship. The former returns to Connecticut after two years at Wellesley College; the latter has held a similar teaching position at the University of Vermont.

H. C. SHETRONE, director of the State Archeological and Historical Society of Columbus, Ohio, was elected at the recent annual meeting president of the Ohio Academy of Science.

OFFICERS of the newly organized Society for Research in Psychosomatic Problems are Dr. Winfred Overholser, Washington, D. C., *president-elect*; Dr. Tracy J. Putnam, New York, *president*, and Dr. Edwin G. Zabriskie, New York, *secretary-treasurer*. Dr. Adolf Meyer, professor of psychiatry emeritus, of the School of Medicine of the Johns Hopkins University, was elected honorary president.

DR. ROBERT P. FISCHER, secretary and chief chemist of the Board of Pharmacy of the State of New Jersey, has been reappointed for a term of four years a member for pharmacy of the New Jersey State Board of Health.

At the recent annual meeting of the British Genetical Society the following officers were elected: *President*, Dr. C. D. Darlington; *Vice-presidents*, Dr. R. N. Salaman, Professor T. J. Jenkin, Professor R. A. Fisher; *Treasurer*, Miss E. R. Saunders; *Secretaries*, E. B. Ford, University Museum, Oxford; W. J. C. Lawrence, John Innes Horticultural Institution.

DR. CARLETON R. BALL, principal agriculturist and executive secretary of the correlating committee of the U. S. Department of Agriculture, the Tennessee Valley Authority and the Valley-States Land-Grant Colleges, retired on June 30. Appointed a collaborator, he has an office with the Extension Service of the department. Uncompleted projects now under way include "Federal, State and Local Administrative Relations in Natural Resources," a monograph of the willows, a volume on agricultural history in America and one on how to write technical manuscripts.

DR. HARRY S. GANDERS, dean of the School of Education of Syracuse University, has been appointed acting dean of the Graduate School. He succeeds Dr. William L. Bray, who retired on September 1.

BRADLEY DEWEY, president of the Dewey and Almy Chemical Company, deputy rubber director to William M. Jeffers, who resigned on September 4, has been appointed to succeed Mr. Jeffers, with the title of acting rubber director.

DR. M. R. BENEDICT, professor of agricultural economics at the University of California at Berkeley and agricultural economist of the Giannini Foundation, is now in Washington, D. C., where he will act as consultant on food for the Office of Lend-Lease Administration. Professor Benedict will return to the College of Agriculture on February 29, the beginning of the spring term.

ROBERT R. WEST, president of the Esmond Mills, has been appointed chairman of the committee on economic research of the Textile Research Institute. The principal function of the committee is to recommend to the institute important projects in economic research and to supervise their production.

DR. FLORENCE CLYDE CHANDLER, technical research assistant to Dr. A. B. Stout, has resigned from the scientific staff of the New York Botanical Garden in order to participate in a project of breeding cinchona for high yields of the alkaloids which include quinine.

THE Committee of the British Privy Council for Agricultural Research has appointed Lord De La Warr to be chairman of the Agricultural Research Council in succession to the late Sir Thomas Middleton. The committee has also appointed Professor I. de Burgh Daly, F.R.S., to be a member of the Agricultural Research Council in the place of Sir Joseph Barcroft, F.R.S., whose term of office as a member has expired.

DR. GEORGE B. CRESSEY, chairman of the department of geography and geology of the University of Syracuse, has leave of absence to accept an appointment as representative of the United States Department of State in China. The appointment is in connection with Cultural Relations in China of the department. Dr. Cressey will work at the Chinese universities.

EARLY in July, Dr. Frank H. H. Roberts, Jr., of the Smithsonian Institution, spent five days in the Abilene, Texas, region with Dr. Cyrus N. Ray examining a stratified river bank burial situated twenty-one feet below the soil surface and eight other deeply buried widely separated stream bank midden sites located on three different water courses of the region. Among those visited were the McLean and Gibson sites and the sites in the Matthews and Putnam ranches.

MRS. GRACE NEEDHAM OLIVER, assistant in mineral economy in the Illinois State Geological Survey and editor for several years past of the *Transactions* of the Illinois State Academy of Science, has moved to Washington, where her husband, Dr. Revilo P. Oliver, is engaged in war service. Miss Dorothy E. Rose, technical editor for the Illinois State Geological Survey, will serve in Mrs. Oliver's place as editor for the Illinois Academy.

THE fourth conference on Science, Philosophy and Religion in their Relation to the Democratic Way of Life opened at Columbia University on September 10. All the papers presented dealt with some aspect of the problem of abolishing war. The chairmen of the various sessions were Dr. Charles W. Hendel, professor of moral philosophy, and Dr. Mark A. May, director of the Institute of Human Relations, Yale University; Dr. Harlow Shapley, director of the Harvard Observatory; Dr. Harry A. Overstreet, professor emeritus of philosophy, College of the City of New York; Dr. Lyman Bryson, professor of education, Teachers College, Columbia University; the Reverend Hunter Guthrie, Georgetown University; Dr. Robert M. MacIver, professor of sociology, Columbia University, and the Reverend Gerald P. Phelan, the Pontifical Institute of Mediaeval Studies, Toronto, Canada.

AT the twenty-fifth annual National Metal Congress in Chicago during the week of October 18 presentation will be made of two newly established medals. These are the Gold Medal and the Medal for the Advancement of Research of the American Society for Metals, which will be awarded during the annual dinner at the Palmer House on October 21. The Gold Medal will be awarded to one recognized for outstanding metallurgical knowledge who has shown great versatility in the application of science to the metal industry. He will have exhibited exceptional ability in the diagnosis and solution of diversified metallurgical problems relating to different fields of metallurgy of one metal or individual fields applied to several metals. This award will comprise a gold medal, certificate and citation, and will be given only as often as a candidate of exceptional merit can be recognized. The recipient of the Research Medal will be an executive in an industrial organization the principal activity of which is the production or the fabrication of metals. He will be one who, over a period of years, has consistently sponsored metallurgical research or development and by his foresight and his influence in making available financial support has helped substantially to advance the arts and sciences relating to metals. This award will consist of a medal, plaque and citation.

THE fourth meeting of the Anglo-American Caribbean Commission, under the United States co-chair-

man, Charles W. Taussig, opened on August 17 at Charlotte Amalie, St. Thomas, Virgin Islands. According to *The Times*, London, the British representatives included the British co-chairman, Sir Frank Stockdale, and A. J. Wakefield, inspector-general of agriculture in the West Indies, who has been nominated a British member for the meeting. There was established a Caribbean Research Council which will serve in an advisory capacity for scientific, social and economic research for the benefit of the people of the area. The main subject of the agenda was agricultural research. The commission therefore invited representatives from the agricultural experimental stations of the United States, Great Britain and the Netherlands in the Caribbean area to attend. It adopted as the basis of the discussions the recommendations and report of the United Nations Food Conference at Hot Springs with the object of providing for coordinated effort in the planning of agricultural and other research in the Caribbean by the research institutes and experimental stations represented. These recommendations will also assist the commission in its study of nutritional, agricultural and fisheries problems.

ACCORDING to *The Experiment Station Record*, largely because of the establishment of other organizations now carrying forward its avowed objects decision has been reached to dissolve the Tropical Plant Research Foundation. Its assets are to be divided, the Inter-American Institute of Agricultural Sciences of Turrialba, Costa Rica, receiving the Tropical Agricultural Library and the Boyce Thompson Institute the office equipment. The residual cash and bonds, expected to net about \$4,500, are to be given to the Division of Biology and Agriculture of the National Research Council for use in the promotion of tropical agriculture.

THE Tufts College Medical School, Boston, will

celebrate its fiftieth anniversary from September 15 to October 6. According to the *Journal* of the American Medical Association, the program includes an address at the medical school, on September 15, by Major General James C. Magee on "Military Medicine with Special Reference to Tropical Diseases"; a lecture before the William Harvey Society on September 16 at the Beth Israel Hospital by Dr. Timothy Leary, professor emeritus of pathology at the school, on "Excess Cholesterol as a Pathogenic Agent," and a talk on September 29 by Colonel Raymond W. Bliss. On September 22 a feature of the celebration will be the presentation and unveiling of portraits of Dr. Leary and Dr. Cadis Phipps, professor of medicine. The anniversary exercises will conclude on October 6 with a general meeting at the John Hancock Hall, at which the speakers will include Dr. Leonard Carmichael, president of Tufts College, and Captain A. Warren Stearns, of the Medical Corps, U. S. Naval Reserve, dean of the medical school, now on military leave. Another feature of the celebration will be the release of a book on the history of the Tufts College Medical School, written by Dr. Benjamin Spector, professor of anatomy and professor of the history of medicine, which is said to be the first published history of the school.

It is stated in *The Experiment Station Record* that under appropriations of the 1943 legislature additional substations have been established in Cumberland and Robertson Counties, Tennessee, the former to serve the Cumberland Plateau and the latter the Highland Rim region of middle Tennessee. This increases the number of experimental units in the state from five to seven and has led to the provision of an assistant station director. Frank S. Chance, superintendent of the Tobacco Substation at Greeneville, has been appointed to this position.

DISCUSSION

THE DISCOVERY AND DEVELOPMENT OF POTASH IN TEXAS AND NEW MEXICO PERMIAN

DR. J. W. TURRENTINE has recently issued through the American Chemical Society a book on "Potash in North America" reviewing the developments from 1924 to the present. In addition to the records he cites there, attention should be called to the contributions of some of the early workers in this field.

Dr. C. W. Dabney, former Assistant Secretary of Agriculture, writes to me that "the biggest find of potash was the one in the Texas-New Mexico Permian, discovered by Dr. J. A. Udden, geologist of the Bureau of Economic Geology and Technology of Texas and published in *Bulletin* 17, March 20, 1917, University of Texas." He describes this as "the first discovery of

potash in Texas." Dr. Dabney presented a paper on the subject at the meeting of the American Association for the Advancement of Science, in December, 1923, at Cincinnati, Ohio.

Dr. W. B. Phillips, the chemist and director of the bureau, was at one time associated with Dr. Dabney in North Carolina. Dr. Dabney took a great interest in the search for American sources of potash and did everything in his power to interest the U. S. Geological Survey and to help the survey to obtain appropriations to make an adequate survey. The chief of the survey, George Otis Smith, sent a survey party to investigate. They reported that they found potash in some one hundred places where drillings had been attempted.

Udden's discoveries, according to Dr. Dabney, were