

the scientific accomplishments of the Mexican Ambassador. Dr. Harlow Shapley, director of the Harvard Observatory and president of the academy, presided. Ambassador Najera spoke on cultural relations between the United States and Mexico, and Dr. Kirtley F. Mather, professor of geology, discussed the earthquakes, volcanoes and mountain systems of Mexico. Members of the Pan-American Society of Massachusetts attended the meeting and the reception which followed.

Headquarters of the First Service Command, Harvard Observatory and the Harvard Medical School were visited on Wednesday morning. There was a reception at the Fogg Art Museum in the afternoon followed by a concert by the Harvard Glee Club and a tea given by the Harvard Corporation. Dr. Godfrey

Cabot and Mr. and Mrs. Ralph Bradley gave a formal dinner in the evening. A visit to the Massachusetts Institute of Technology on Thursday morning preceded an inspection tour of Fort Devens, and was followed in the afternoon by a visit to the Harvard Oak Ridge Observatory and the Seismographic Station. After various private social functions the party attended a reception at Radio Station WRUL on Thursday evening at which the Governor and the Ambassador were interviewed for a shortwave broadcast in Spanish.

The official group leaves Boston on April 9 for Springfield, where it will be entertained before its departure for New York City. Dr. Bart J. Bok, of the Harvard Observatory, was in general charge of the arrangements.

SCIENTIFIC NOTES AND NEWS

THE New York Section of the American Chemical Society has awarded the Eli Lilly and Company Prize of \$1,000 in biological chemistry for 1943 to Dr. Herbert E. Carter, of the University of Illinois.

DR. WILBUR A. SAWYER, of the International Health Division of the Rockefeller Foundation, was the guest of honor at an official reception held on March 26 by the City Council of Guayaquil, Ecuador. After the reception he laid the cornerstone for a statue of John D. Rockefeller being erected to mark Ecuador's gratitude for the eradication of yellow fever in 1919.

THE Herbert Jackson Prize for 1942 of the London Midland and Scottish Railway has been awarded to J. Dearden, of the Metallurgical Section of the Railway's Research Department, for papers entitled "The Inspection of Welded Steel Joints in Relation to Their Static Mechanical Strength," and "The Influence of Welding Defects on the Resistance to Fatigue of Welded Steel Joints."

DR. ROBERT A. BROTEMARKLE, professor of psychology and personnel officer of the college at the University of Pennsylvania, has been appointed director of the psychological laboratory and clinic and chairman of the department of psychology to succeed the late Dr. Edwin B. Twitmyer. Dr. Brotemarkle has resigned as personnel officer, a position which he has held in conjunction with his teaching activities since 1926. He has been connected with the department of psychology since 1919.

DR. PAUL F. BARTUNEK, instructor in physics at Rensselaer Polytechnic Institute, has been appointed assistant professor of physics at Allegheny College.

DR. WALDO L. SCHMITT, who has been engaged continuously in biological research under the Govern-

ment since 1907 and as curator of marine invertebrates in the U. S. National Museum since 1920, has been selected to fill the position of head curator of biology made vacant by the death on February 28 of Dr. Leonhard Stejneger. Dr. Schmitt will assume his new work on his return from his trip to South America. Dr. Doris M. Cochran, since 1919 a member of the staff of the National Museum, since 1927 as assistant curator of reptiles and amphibians, has been named associate curator in charge of that division.

DR. LEWIS HILL WEED, professor of anatomy and director of the School of Medicine of the Johns Hopkins University, has been made chairman of the Medical and Health Advisory Committee of the American Red Cross.

H. H. ALP, associate professor of poultry extension at the University of Illinois, will serve during the emergency as senior poultry specialist with the Institute of Inter-American Affairs. It is expected that his headquarters will be at Rio de Janeiro, Brazil.

DR. RALPH H. MANLEY, formerly principal chemist and chief of the oil and protein division of the Northern Regional Research Laboratory, U. S. Department of Agriculture, has joined the research staff of General Mills, Inc. He will study the development of new industrial uses for vegetable oils and proteins and their derivatives.

JEROME SWIMMER, of Baltimore, has been appointed assistant toxicologist in the Medical Research Division of the Chemical Warfare Service at Edgewood Arsenal, Maryland.

DR. JAMES M. SPRAGUE has been appointed director of organic chemical research in the Medical Research Division of Sharp and Dohme, at Glenolden, Pa.

Since 1937 he has shared in the direction of organic research work in the organization. Under the new arrangement he will direct the program of these laboratories in the synthetic organic field.

F. W. NITARDY, vice-president of E. R. Squibb and Sons, has been elected vice-president and technical director of its newly formed subsidiary, E. R. Squibb and Sons Inter-American Corporation.

DR. MELVILLE SAHYUN, formerly director of biochemical research, has been appointed director of research for Frederick Stearns and Company of Detroit, Mich.

DR. JACK W. DUNLAP, who has leave of absence from the University of Rochester, has resigned as director of research of the Committee on Selection and Training of Aircraft Pilots of the National Research Council and has accepted a commission as Lieutenant Commander in the Navy. He is attached to the Aviation Psychology Section of the Bureau of Medicine and Surgery and is working on problems of selection of aviation personnel.

FELIX WEBSTER MCBRYDE, instructor in geography in the Ohio State University, has been appointed senior geographer in charge of the Latin American Field of the Military Intelligence Service, War Department, Washington, D. C.

DR. FLOYD S. MARKHAM, associate professor of bacteriology at the Ohio State University, has leave of absence. He has left Columbus for North Africa to take charge of laboratories for the Typhus Commission of the Rockefeller Foundation.

ABBE HENRI BREUIL, formerly professor of prehistoric ethnology at the Collège de France and director of exploration at the Institute of Prehistory, has gone to the Union of South Africa to conduct researches on the Rand for the duration of the war.

THE Jayne Memorial Lecture of the American Philosophical Society was delivered on March 31 by Dr. Detlev W. Bronk, Johnson professor of biophysics and director of the Johnson Foundation at the University of Pennsylvania. His subject was "Physical Machines and Physiological Mechanisms in Aviation."

DR. LOWELL T. COGGESHALL, of the School of Public Health of the University of Michigan, will deliver the Cutter Lecture on Preventive Medicine at the Harvard Medical School on April 27. His subject will be "The Importance of Tropical Diseases in the Current and Post-war Period."

PROFESSOR GUY-HAROLD SMITH, chairman of the department of geography of the Ohio State University, gave a series of lectures at the College of Commerce of the State University of Iowa on March 23

and 24. He spoke on "The Geographical Basis of Pan-Americanism," "Japan's Position in the Southwest Pacific," "Geopolitics, a New Design for the World" and "Cartography and the War."

MEDAL DAY of the Franklin Institute, Philadelphia, will be held on April 21. The date was incorrectly given in SCIENCE last week.

By action of the Board of Trustees of the University of Illinois, the departments of zoology and physiology will be merged. Professor Carl G. Hartman, who has served as head of both departments for the past two years, will continue as head of the new department of zoology and physiology.

THE Rockefeller Foundation has for the third year in succession made a grant to the Royal Society, London, to enable it to give assistance to scientific societies and associations which, as a result of war conditions, are experiencing financial difficulties in the publication of scientific journals.

THE residue of the estate of Major Henry Reed Hatfield, Philadelphia, valued at \$1,000,000, has been bequeathed, after the payment of \$226,000 in specific bequests to charities, to the University of Pennsylvania and to Jefferson Medical College.

AN agreement has been concluded between the New York Botanical Garden and the American Society of Plant Taxonomists whereby *Brittonia*, a journal of plant taxonomy published by the garden, becomes an official organ of the society. Members of the society subscribe to *Brittonia* at a special rate and are accorded all privileges of publication in it. An editorial board has been appointed consisting of H. W. Rickett (for the New York Botanical Garden), Earl E. Sherff, C. A. Weatherby and S. F. Blake. *Brittonia* will be published, as heretofore, at irregular intervals; the first issue under the new arrangement is expected late this year.

THE University of Leeds has received a gift of £50,000 from Henry Ellison, to establish an endowment fund for the provision of post-graduate fellowships for research in pure and applied chemistry and in physics.

AN endowment by the late Frank Collins, of the National Supply Company, has made possible the erection of a new two-story building 136 × 95 feet to house the Toledo Hospital Institute of Medical Research. The institute consists of a staff including a biochemist, a nutritionist, a bacteriologist, a pathologist and a biophotographer under the direction of Dr. Bernhard Steinberg. The staff will be augmented in the future by a physiologist, a biophysicist and a pharmacologist. Provision has been made to accept fellows in medical and dental research. It is the pur-

pose of the institute not to devote itself exclusively to the study of a single disease, but to maintain a fluid interest in disease in general depending upon the availability of the specific personnel.

THE late Dr. Robert Boyd, formerly chairman of the Manchester Division of the British Medical Association, made a bequest to the association for the benefit of his professional colleagues in the Manchester area. The gross value of his estate is in the region of £100,000. Subject to certain life interests, the residue is left to the British Medical Association to be applied to capital as well as income for the purpose of endowing or contributing to the endowment of a British Medical Association House in the district of Manchester for the benefit and use of all qualified and registered doctors. The power of making regulations for the conduct and use of the house are vested in the Governing Committee for the time being of the Manchester Division of the association.

The Lancet states that the Rockefeller Foundation has given £1,200 to the University of Oxford for biochemical investigations of penicillin under the direction of Dr. H. W. Florey, professor of pathology. The foundation has made a further grant of £3,500 towards the initial equipment of the nutritional survey.

THE Langley Porter Clinic of the Medical School of the University of California, San Francisco, was opened on February 13. The outpatient department was named in honor of the late Dr. Aaron J. Rosanoff, who was largely responsible for the building of the clinic. At the time of his death he was director of the California State Department of Institutions.

ACCORDING to *Museum News*, the California Academy of Sciences, San Francisco, includes in its future plans the erection of a new wing to the African Hall and an Alice Eastwood Herbarium to house the more than 300,000 specimens collected by her during a long career as curator of the department of botany.

To meet the growing importance of physics in industrial research, the central chemical laboratories of the Hercules Powder Company, as announced by Dr. Emil Ott, director of research, has formed a separate technical group to coordinate and develop physics work. Research by the new group at the Experiment Station, of which Dr. Robert W. Cairns is di-

rector, will emphasize electrons and optics, using such equipment as the electron microscope, mass spectrograph, x-ray diffraction cameras for crystal structure analysis and spectrographs for a complete range of light-absorption studies not limited to the visible spectrum but ranging from ultraviolet to infra-red. Dr. Willard P. Connor, Jr., formerly research associate at Princeton University, will be acting leader of the physics group.

THE *Bulletin* of the Institute of International Education writes: "The announcement was made by the Department of State on December 29, 1942, that awards of official scholarships, fellowships and travel or maintenance grants to United States students for study in the other American republics from Department of State funds were being suspended for the duration of the war. The suspension does not affect grants made before that date. In his announcement the Secretary of State emphasized that the United States Government had no thought of discontinuing the award of fellowships and travel and maintenance grants to citizens of the other American republics for study in the United States. On the contrary, he expressed the hope that the situation in other American countries would permit the continuance of the program for their students to come here under the Convention for the Promotion of Inter-American Cultural Relations. The announcement referred in every case to United States 'students' assisted by the Department of State and made no mention of any change in the procedure in regard to teachers or professors."

It is reported in *Nature* that the People's Commissar for Education in the U.S.S.R. has instituted fifteen valuable Newton scholarships for Soviet university students. They are to be awarded to young men and women specializing in physics, mathematics, mechanics and astronomy. The Universities of Leningrad and Moscow will receive three scholarships each. Other Newton celebrations include exhibitions of portraits and books on Newton in English, Russian and other languages at the University of Moscow and the Scientists' Club.

THE latest information regarding the issue of new and revised British Standards, of which there are at present over a thousand, can be obtained from the library of the British Standards Institution, 28, Victoria Street, Westminster, London.

DISCUSSION

CAMEL, HORSE AND BISON ASSOCIATED WITH HUMAN BURIALS AND ARTIFACTS NEAR FRESNO, CALIFORNIA

BONES of *Camelops*, *Equus* and *Bison* have been

found in association suggesting contemporaneity with Indian burials and artifacts on the open plain of the central San Joaquin Valley near Tranquillity, Fresno County, Calif.¹ The site lies in an old alluvial soil, fourteen miles east of the Diablo Range foothills, and