

ing the activities of the Imperial War Relief Fund, Universities' Committee. This committee, which was created at an inter-university conference which met at University College, London, on July 7, 1920, at the invitation of Lord Robert Cecil, and under the auspices of the Imperial War Relief Fund, has set before it the aim of presenting to the British universities the appeal of the universities in the war-stricken areas of Europe. Mr. de Bunsen writes:

During the first year of the existence of the Universities' Committee 32,000*l.* was raised in cooperation with every university in Great Britain and Ireland. The committee at the opening of this university year carefully considered the problem of the Central European universities at the present time, and decided that it would be absolutely necessary for us to maintain the relief work promoted by the committee in cooperation with universities all over the world throughout the coming year.

I may say briefly that the financial panic which has swept through Austria in particular during the last month has threatened the very existence of many distinguished men in universities of that country.

The Universities' Committee has also taken on the further responsibility of endeavoring to raise funds for the relief of men of learning and students in Russia. In careful consultation with Dr. Nansen, the committee is establishing those links in Russia which shall ensure a wise distribution of the funds subscribed. Dr. Nansen has issued a personal appeal to the universities of the world to help to save from extinction the rapidly diminishing numbers of men in Russia who have been able to go through the ordeal of suffering to which many of them have been subjected during the past few years.

In a letter to graduate members of the British universities on behalf of the men of learning of Austria an urgent appeal has been made over the following signatures of distinguished representatives of learning: William Bragg, Bryce, A. S. Eddington, Richard Gregory, Haldane of Cloan, Frederic G. Kenyon, Walter Lock, Donald Macalister, Charles J. Martin, Henry A. Miers, Gilbert Murray, E. Rutherford, M. E. Sadler, Arthur Schuster, Napier Shaw, A. E. Shipley, George Adam Smith, Ernest H. Starling, J. J. Thomson.

#### THE SOUTHWESTERN DIVISION OF THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

THE second annual meeting will be held in Tucson, Arizona, from January 26 to 28. The University of Arizona has kindly offered the use of its buildings during this period. There will be four sections with chairmen as follows: Biological, Dr. Charles T. Vorhies, professor of biology of the University of Arizona; Physical science, Dr. V. M. Slipher, director of the Lowell Observatory of Flagstaff, Arizona; Social science, Dr. Edgar L. Hewett, director of the Archaeological museums at Santa Fe, N. M.; and the section on Education and Psychology, chairman to be selected.

The presidential address of Dr. A. E. Douglass will be delivered on the evening of the 26th., to be followed by a reception. On the evening of the 27th. the program will be under the auspices of the Arizona Archaeological Society. There will be illustrated lectures on the recent archaeological researches made in the Southwest. On the evening of the 28th. there will be a characteristic dance by the Yaqui Indians from Sonora.

There will be exhibits of southwestern animals, insects, plants and minerals. The new Stewart Observatory will be demonstrated under the direction of Dr. Douglass. The observatory is complete except for the 36-inch reflecting lens, the first casting of which failed owing to an electrical storm.

ELLIOTT C. PRENTISS,  
*Chairman of the Executive Committee.*

#### SCIENTIFIC NOTES AND NEWS

At the meetings held at Amherst, Dr. W. D. Mathews, of the American Museum of Natural History, was elected president of the American Paleontological Society, Dr. Waldemar Lindgren of the Massachusetts Institute of Technology president of the Society of Economic Geologists and Professor T. L. Walker of the University of Toronto president of the Mineralogical Society.

At the recent meeting of the American Psychological Association at Princeton, Professor Knight Dunlap, of the Johns Hopkins

University, was elected president. Two new members of the council were elected: Professor Warner Brown, of the University of California, and Dr. F. L. Wells, of the Psychopathic Hospital, Boston.

DR. W. C. FARABEE, curator of the Museum of the University of Pennsylvania, was elected president of the American Anthropological Association at the Brooklyn meeting.

THE Perkin medal of the American Section of the Society of Chemical Industry, was presented on January 13, to William M. Burton, chemist of the Standard Oil Company of Indiana. Presentation addresses were made by Sumner R. Church, R. F. Ruttan, Charles H. Herty, Russell Wiles and Charles F. Chandler, to which Mr. Burton replied.

DR. E. P. HYDE, director of the Nela Research Laboratories, was made president of the International Commission on Illumination which met lately in Paris.

DR. A. W. ROGERS has been elected president of the South African Association for the Advancement of Science to preside at the next annual meeting to be held in July at Lourenco Marques.

WE learn from *Nature* that Professor Horace Lamb, Sir Ernest Rutherford, Sir Arthur Schuster and Professor G. Elliot Smith have been elected honorary members of the Manchester Literary and Philosophical Society.

THE honorary degree of doctor of science has been conferred by the University of Calcutta on Sir W. J. Pope, professor of chemistry, Cambridge University, and on Professor C. V. Raman, professor of physics, University of Calcutta.

AMONG the prizes recently awarded by the Paris Academy of Sciences was one to E. Roubaud for his works on malaria in France and the disappearance of malaria in temperate climates.

THE *British Medical Journal* reports that the eminent histological anatomist Professor Johan August Hammar, of Upsala, celebrated his sixtieth birthday on August 21, and re-

ceived on this occasion from his fellows, friends and pupils a *Festschrift* containing thirty-eight scientific papers written in Swedish, German, and English, covering over a thousand pages.

THE position of naturalist of the *Albatross* in the Bureau of Fisheries, which for some time has been vacant for lack of an available candidate of suitable qualifications, has been filled by the appointment of Paul S. Galtsoff, who was formerly chief zoologist of the Russian Academy of Sciences and assistant director of the marine biological station at Sebastopol.

EARLE E. RICHARDSON, instructor in analytical chemistry and physics for the past four years at the Massachusetts Institute of Technology, has been appointed research physicist at the Eastman Kodak Company, Rochester, N. Y.

J. E. WALTERS, F. W. Schroeder and Frank Porter, chemists at the helium plant of the Bureau of Mines at Petrolia, Texas, have been transferred to the new cryogenic laboratory of the Bureau in Washington, D. C.

DR. RALPH W. G. WYCKOFF, of the Geophysical Laboratory, Carnegie Institution of Washington, is on a year's leave of absence, which he will spend at the California Institute of Technology at Pasadena, California.

THE third Asiatic Expedition of the American Museum, under the leadership of Mr. Roy Chapman Andrews, is beginning its work in China, with the cooperation of Dr. Yen, minister of foreign affairs, and other members of the cabinet in Peking. Dr. V. K. Ting, director of the National Geological Survey of China, and Dr. J. G. Anderson, mining adviser to the Chinese Government and curator of the Museum of the Geological Survey of China, have also given assistance.

DR. SAMUEL J. MIXTER, of Boston, delivered the Hodgen Lecture, under the auspices of the St. Louis Surgical Society and the Medical Fund Society on January 4.

WILLIAM A. DURGIN has been given leave of absence from the Commonwealth Edison Company, Chicago, to direct the new activities

of the Department of Commerce toward the elimination of waste in industry by simplifying and standardizing commercial practices. The new organization will form a subdivision of the Bureau of Standards.

THE Huxley lecture at the University of Birmingham was delivered on November 25 by Professor C. Lloyd Morgan on "A philosophy of evolution."

CHARLES DARWIN'S birthplace, according to the London *Times*, has been sold. The purchase includes the Darwin Walk above the Severn River. It is said that its future use is to be for the Office of Works to house a body of clerks.

DR. HUBERT WORK, president of the American Medical Association, has appointed as the Committee on the Gorgas Memorial, Drs. George E. de Schweinitz, Philadelphia; Charles W. Richardson, Washington, D. C., and Fred B. Lund, Boston. This appointment was made in compliance with the request received by the Board of Trustees from the Gorgas Memorial Institute of Tropical and Preventive Medicine of Panama for the cooperation of the American Medical Association.

DR. HOWARD B. CROSS of the Rockefeller Institute for Medical Research died at Vera Cruz on December 27 from yellow fever contracted at Tuxtepec. Dr. Cross was a member of the staff of the International Health Board of the Rockefeller Foundation. He was a graduate of the University of Oklahoma and received the doctorate of philosophy from the Johns Hopkins University in 1921.

THE death is announced at the age of 57 years of Max Verworn, professor of physiology at the University of Bonn.

DR. G. P. JORDAN, port health officer of Hong-Kong and professor of tropical medicine in the Hong-Kong University, died in London on December 4 at the age of 64 years.

THE spring meeting of the American Electrochemical Society is to be held in Baltimore from April 27 to 29. There will be three sessions, dealing respectively with electric fur-

nace cast iron, the electrochemical industries and electromotive chemistry. Inspection trips will be made through industrial plants near Baltimore.

THE Association of German Men of Science and Physicians will hold its centennial meeting in Leipzig from September 17 to 23.

AT the recent meeting of the American Psychological Association in Princeton, N. J., provision was made for the accrediting as consulting psychologists of qualified persons belonging to the American Psychological Association. The committee asks that members of the Section for Clinical Psychology of this association desiring such action on their behalf await the receipt of a circular letter of instructions as to their procedure. Other members of the association are asked to await a further announcement of the committee which will be forwarded to *SCIENCE* and to the *Psychological Bulletin*.

THE annual report shows that the work of the United States Geological Survey for last year included detailed geologic surveys of 4,600 square miles, reconnaissance geologic surveys of 21,500 square miles, exploratory geologic surveys of 18,000 square miles, cooperative geologic work with 17 state organizations, studies of ore deposits in 10 states, oil and gas surveys in 10 states, geologic surveys in Alaska of 1,500 square miles, and the continuation of studies of mineral deposits in Alaska. It included also topographic surveys in the United States of 12,311 square miles and topographic reconnaissance surveys in the Alaska Range of 390 square miles, running of 4,796 miles of levels, establishing 1,123 bench marks and making 576 linear miles of river surveys. The Geological Survey continued measurements of stream flow throughout the United States and in Alaska and Hawaii, cooperating in part with other federal organizations and with 31 states and Hawaii; also continued investigation of waterpower resources of Southeastern Alaska. It also made field examinations in 11 states under the enlarged homestead and stock-raising homestead laws, increased designations of stock-raising lands by 31,000,000 acres, and reported

on 7,000 applications for oil and gas prospecting permits, on 249 applications for coal prospecting permits, on 78 applications for coal leases and 7,500 applications under the mineral-leasing laws. It also conducted an engineering investigation and prepared an exhaustive report on a proposed "superpower system"—a comprehensive system for the generation and distribution of electricity for the operation of railroads and manufacturing industries in the region between Boston and Washington. Special publications of the year were "Guides to desert watering places in Arizona and California," and a large relief map of the United States. Other published reports numbered 132, containing more than 10,000 pages, and 60 new topographic maps were engraved and printed. The Survey distributed 631,000 books and 740,000 maps, of which latter 550,000 were sold.

### UNIVERSITY AND EDUCATIONAL NOTES

A MOVEMENT has been started to raise a fund of \$2,000,000 to establish a medical school as a memorial to Major General William C. Gorgas. The present plan is that the fund be contributed by the nation and that the school be situated in Tuscaloosa, Ala., where General Gorgas lived as a boy. Dr. Seale Harris, of Birmingham, Ala., is chairman of the national committee.

FIRE of unknown origin has almost completely destroyed the chemical building of the Colorado State Agricultural College at Fort Collins, Colo. The loss on buildings and equipment is estimated at \$70,000.

THE board of curators of the University of Missouri has elected Dr. John Carleton Jones, president of the university to succeed Dr. A. Ross Hill who resigned several months ago to become connected with the American Red Cross. Dr. Jones has been vice president of the university since 1918 and dean of the college of arts and sciences.

JOHN H. MOFFETT has been appointed associate professor of metallurgy in the University of Minnesota.

R. S. LOWE, of the nitrate division, Ordnance Department, U. S. A., has been appointed dean of the department of chemical engineering, University of Cincinnati.

REVEREND DR. CHARLES WESLEY FLINT, president of Cornell College at Mount Vernon, Iowa, has been elected chancellor of Syracuse University in succession to Dr. James Roscoe Day.

DR. WALTER F. TITTMAN, formerly of the Bureau of Mines and later engaged in consulting practice at Pittsburgh, Pa., has been appointed head of the department of commercial engineering, Carnegie Institution of Technology.

DR. HAROLD DIEHL has been appointed head of the health service of the University of Minnesota, Minneapolis, to succeed Dr. John Sundwall.

### DISCUSSION AND CORRESPONDENCE

#### COMMITTEE FOR THE PROTECTION OF ANIMAL EXPERIMENTATION

SOME weeks ago it suddenly became apparent that the activities of the various antivivisection societies had finally reached a strength where they were able to menace effectively the health of the community. On a referendum vote in California they threatened all animal experimentation last year, and it was only with some difficulty that the measure was defeated. The Interstate Convention of Antivivisection Societies was held in Boston last month and at that time a committee was organized to undertake a campaign of sane, humane education to combat the propaganda of those who seek to prevent the making of vaccines and antitoxins, the testing of all such drugs as ergot and a general interference with medical methods of proved efficacy for the diagnosis, the prevention and cure of disease.

A committee of the Boston Society of Natural History was first appointed of which T. Barbour was chairman, to arrange for Mr. Ernest Harold Baynes to deliver two lectures, one upon a "Nature Study" subject, the other