

strength and resources of the Chicago technical societies for war work as need may arise.

The following member societies are cooperating in the new war committee:

Western Society of Engineers.
Structural Engineers' Association of Illinois.
Society of Industrial Engineers.
Illinois Society of Engineers.
Illinois Society of Architects.
The American Railway Engineering Association.
The Swedish Engineers' Society of Chicago.
Illinois Chapter, American Institute of Architects.

Chicago Section, American Society of Mechanical Engineers.

Chicago Section, American Institute of Electrical Engineers.

Chicago Section, American Chemical Society.

Chicago Section, American Institute of Mining Engineers.

Mid-West Section, Society of Automotive Engineers.

Illinois Association of American Society of Civil Engineers.

Chicago Section, American Society of Heating and Ventilating Engineers.

Chicago Section, American Society of Refrigerating Engineers.

Chicago Section, Steel Treating Research Society.

Chicago Section, Illuminating Engineering Society.

Chicago Chapter, American Association of Engineers.

Officers of the war committee have been elected as follows:

Chairman, F. K. Copeland.

Vice-chairman, W. L. Abbott.

Secretary, Edgar S. Nethercut.

Treasurer, William A. Fox.

The executive committee consists of F. K. Copeland, W. L. Abbott, William Hoskins, C. A. Keller, Charles E. Lord, C. F. Loweth, Isham Randolph and Richard E. Schmidt. The address of the secretary of the war committee is 1735 Monadnock Block, Chicago.

ENGINEER OFFICERS' TRAINING SCHOOL AT CAMP HUMPHREYS

THE War Department authorizes the following statement from the Engineer Corps:

The Chief of Engineers, General William M. Black, announces that the Engineering

Officers' Training Camp, scheduled to open about August 1, will be situated at Camp Humphreys, 17 miles south of Washington, on a plateau overlooking the Potomac River. Two thousand candidates for commissions as captains and first lieutenants will be trained under the same facilities provided for the 17,000 Engineer replacement troops now there preparing for over-seas service. These facilities include the ordinary military arrangements, and in addition some 15 special schools to instruct men on such operations as mining, quarrying, gas and flame defense, barbed-wire fortification, water supply and railroad communication.

The candidates for commission will become familiar with the work of all these schools and conclude their training with a course in sapper work, in order that they may be fitted to command sapper troops if necessary. Many of the candidates will come from civil life, a campaign being under way to interest men of technical training and experience.

Many applications for entrance to the training camp have been received. To examine these candidates, General Black has designated a traveling board, which will visit several of the larger cities and determine the physical and mental fitness of the applicants. This board will be headed by Major E. H. Williams, who will advise the candidates as to the dates on which they should appear in the cities to be visited for examination. Candidates for first lieutenantcies should be between 32 and 36 years old, and those for captaincies between 36 and 42. Traveling expenses to the camp will be allowed successful candidates. Those accepted before August 1 will be sent to the existing engineers officers' training camp at Camp Lee, Petersburg, Va.

SCIENTIFIC NOTES AND NEWS

THE Geological Society of America will hold its next annual meeting at Johns Hopkins University, Baltimore, Maryland, during convocation week of next winter. The program to be presented will concern itself particularly with the relations of geology to the World War.

MAJORS WILLIAM J. MAYO and Charles H. Mayo, of the Medical Reserve Corps, have been appointed colonels.

PROFESSOR OLIN H. LANDRETH, head of the general engineering department of Union College until a year ago, when he received a year's leave of absence, has had his leave extended for another twelve months to enable him to accept civilian service with the Ordnance Department.

DR. WALTER T. TAGGART, professor of organic chemistry in the University of Pennsylvania, has been appointed consulting chemist at large for the Ordnance Department of the United States government with instructions to report for immediate service. Dr. Thomas P. McCutcheon, Jr., assistant professor of chemistry, has likewise been appointed to civilian service with the War Trade Board.

At the commencement of Little Rock College the honorary degree of doctor of laws was conferred on Professor Horace Russell Allen, formerly professor of orthopedic surgery, Indiana University, now a major in the Medical Reserve Corps.

DR. WILLIAM COON, of Haverhill, has been appointed director of health and sanitation for the United States Shipping Board. He will have his headquarters at Philadelphia, and will have charge of health and sanitation in all the shipbuilding yards in the country.

MR. E. H. PAGENHART, hydrographic and geodetic engineer of the U. S. Coast and Geodetic Survey, has been transferred by executive order to the Corps of Engineers (Reserve) of the U. S. Army, with the rank of captain.

DR. CARL J. ENGELDER has left the University of Illinois to accept a commission as second lieutenant in the nitrate department of the Ordnance Department at Sheffield, Ala.

DR. LEO M. CRAFTS, Harvard Medical '90, Boston City Hospital '91, has been called by the Surgeon-General to undertake special work in neuro-psychiatry for the War Department.

It is announced that the Founder's medal of the Royal Geographical Society has been awarded for the present year to Miss Gertrude Bell, for her important explorations and travels in Asia Minor, Syria, Arabia, and on the Euphrates, and the Patron's medal to Commandant Tilhó, French and Colonial Infantry, for his long-continued surveys and explorations in northern Africa. The medals are to be struck in bronze instead of gold, owing to the shortage of gold, the balance of the value being given in war bonds. The Murchison grant goes to Mr. C. A. Reid for his maps of the Belgian Congo; the Cuthbert Peek grant to Mr. G. F. Archer for his surveys in East Africa; the Back grant to Captain Bartlett for his distinguished leadership after the loss of the *Karluk*; and the Gill memorial to Captain Cuthbert Christy, R.A.M.C., for his surveys and explorations in Central Africa.

E. R. MILLER, who received his Ph.D. in chemistry at the University of Minnesota in June, has been appointed research chemist of the Alabama Polytechnic Institute at Auburn, Ala.

At Syracuse University Dr. E. D. Roe, Jr., John Raymond French professor of mathematics, has applied for and obtained leave of absence for the coming academic year in order to devote his entire time to research. At the same university Mrs. E. D. Roe, Jr., has been awarded the degree of doctor of philosophy. Her doctor's thesis is entitled "Interfunctional expressibility problems of symmetric functions." She is the first woman to take the doctorate in mathematics at Syracuse.

THE Harvard corporation has announced appointments to the Cancer Commission of Harvard University and Collis P. Huntington Memorial Hospital. Dr. Robert B. Greenough will act as director of the commission, and as surgeon in charge of the hospital staff. Dr. Channing C. Simmons will continue as his secretary, and with Dr. Edward H. Risley, will serve as surgeon at the hospital. Other members of the commission are: Dr. James H. Wright, pathologist, in charge of diagnosis service; William Duane, research fellow in physics; William T. Boyle, research fellow in

biology; Dr. Henry Lyman, research fellow in chemistry, and Clarence C. Little, research fellow in genetics.

At the annual meeting of the American Surgical Association, held in Cincinnati, June 6 to 8, under the presidency of Dr. Thomas W. Huntington, San Francisco, the following officers were elected: *President*, Dr. Lewis S. Pilcher, Brooklyn; *Vice-presidents*, Drs. George W. Crile and Edward Martin, Philadelphia; *Secretary*, Dr. John H. Gibbon, Philadelphia; *Assistant Secretary*, Dr. Francis T. Stewart, Philadelphia; *Treasurer*, Dr. Charles H. Peck, and *Assistant Treasurer*, Dr. Charles N. Dowd, New York City.

THE sixteenth annual meeting of the South African Association for the Advancement of Science is being held in Johannesburg, July 8 to 13, under the presidency of Dr. C. F. Juritz. The presidents of the sectional committees are as follows: Section A, astronomy, mathematics, physics, meteorology, geodesy, surveying, engineering, architecture and irrigation: Professor J. T. Morrison. Section B, chemistry, geology, metallurgy, mineralogy and geography: Dr. P. A. Wagner. Section C, botany, bacteriology, agriculture and forestry: Mr. C. E. Legat. Section D, zoology, physiology, hygiene and sanitary science: Professor E. J. Goddard. Section E, anthropology, ethnology, native education, philology and native sociology: Rev. W. A. Norton. Section F, education, history, mental science, political economy, general sociology and statistics: Professor T. M. Forysth.

ROALD AMUNDSEN'S ship *Maude*, in which he will attempt to reach the North Pole, left Christiania on June 28 for the north. Captain Amundsen will board the vessel at Tromsø. Captain Amundsen plans to follow the Siberian coast eastward from North Cape. He hopes to make most of the trip by sail. The ship carries two airplanes in which the explorer will attempt to complete his journey to the pole.

THE *Journal* of the Royal Geographical Society states that the Argentine corvette *Uruguay* left Buenos Aires on February 18

with a new staff for the meteorological and magnetic station on Laurie Island, to replace those whose time has expired. The chief of the Argentine Commission is Señor Ole Holm, who, together with another member, has already seen service on the island. Continuous hourly eye observations have now been maintained since March, 1903, at this the most southern observatory in the world.

THE Wilbur Wright memorial lecture of the British Aeronautical Society was delivered in the Central Hall, Westminster, on June 25, by Professor W. F. Durand, chairman of the American Advisory Committee for Aeronautics, scientific attaché to the American Aviation Mission in Europe, and professor of mechanical engineering, Stanford University, U. S. A. The subject was "Some Outstanding Problems in Aeronautics."

PROFESSOR A. J. ANDREWS, of Tufts College, is lecturing at Cleveland. Under his charge for the Boston region the National Board of Historical Service has been giving well attended lectures on the geography and historical meaning of the war at Camp Devens and the dozen other Y. M. C. A. "huts" around Boston.

UNDER the terms of the will of James Douglas, former president of copper producing firm, Phelps, Dodge & Co., \$100,000 is bequeathed to the American Institute of Mining Engineers for a scientific library. McGill University, Montreal, receives \$50,000 for a dormitory, the Kingston General Hospital, Ontario, \$100,000 and the Museum of Natural History here \$100,000.

ANNOUNCEMENT is made that the position of research assistant under the Ellen H. Richards Research Fund is available for women graduates properly qualified in chemistry. Further information may be obtained from the Department of Chemistry, Massachusetts Institute of Technology, Cambridge, Mass.

PRESIDENT WILSON by executive order on July 2 placed all sanitary and public health activities carried on by executive bureaus, agencies and offices created during the war under the jurisdiction of the public health service.

The order was promulgated to avoid confusion in policies, duplication of effort and to bring more effective results and unity of control. It does not affect the jurisdiction of the medical departments of the army and navy, or of the provost marshal general in the performance of health functions of a purely military character, nor is it designed to prohibit investigations by the Bureau of Labor Statistics of vocational diseases, shop sanitation and hygiene.

THE Department of the Interior authorizes publication of the following:

We, the undersigned, who are members of the commission duly appointed in accordance with the provisions of public resolution No. 21, Sixty-fifth Congress, hereby certify that Mr. Garabed T. K. Giragossian showed us on Saturday, June 29, 1918, a model embodying the principles of his invention known as the "Garabed." We found that the model was not in shape to run or develop power. The inventor admitted that he had no working machine and that he was merely explaining principles. We do not believe that his principles are sound, that his device is operative, or that it can result in the practical development or utilization of free energy.

Witness our signatures at Boston, Mass., this 29th day of June, 1918.

James A. Moyer, director, Massachusetts State Board of Education.

Edward F. Miller, Massachusetts Institute of Technology.

M. de Kay Thompson, Massachusetts Institute of Technology.

Edwin B. Wilson, Massachusetts Institute of Technology.

Charles L. Norton, Massachusetts Institute of Technology.

THE Maryland Geological Survey, under the direction of the State Geologist, Edward B. Matthews, has issued volume ten of the general series which maintains the same high standards of material and manner of presentation established by the late Professor Clark. The present volume consists of a brief life of Dr. Wm. Bullock Clark, state geologist, 1896-1917, with a tribute to his work as a state official and two papers of general interest on the geography and the water resources of Maryland. The geography was written by Dr. Clark and represents a summary of the knowledge of

the geology, physiography, climate, flora, fauna, natural resources and manufactures, accumulated during the twenty years of Dr. Clark's activity. The treatment is so arranged that the work will serve as a teacher's guide in presenting the geographic features of Maryland. Suggestions for physiographic and geologic excursions are given for the environs of each of the twenty-three county towns of the state. The Report on Underground Waters represents the results of several years of cooperative work with the U. S. Geological Survey. It includes complete discussion of the geological formations, precipitations, surface and underground waters, public water supplies, and sanitary conditions for Maryland, Delaware and the District of Columbia. The report is well illustrated with diagrams and tables giving detailed information.

AFTER being six months on the way a letter has been received at the University of Pennsylvania Museum from William B. Van Valin, leader of its John Wanamaker Expedition to the Eskimos. The letter was written early last October, and must have come out by the dog-sled mail which the government maintains to Point Barrow, where it has a post. This is the northernmost point in Alaska, and is about 600 miles from the North Pole, a few hundred miles west from Herschell Island. Van Valin reports that he will make his winter headquarters at Point Barrow, and has already commenced gathering specimens. What is of more importance he has begun taking phonograph records of the native Eskimos, recording their songs and stories. He also has a moving picture camera and is taking films of their native dances and occupations. He reports that there is enough important work on hand to occupy him a full year, although he had not expected to stay so long. The Eskimo collections on view at the university museum contain many specimens already sent down by Mr. Van Valin. They, in connection with others secured from various sources and to a great extent by Mr. Wanamaker's liberality, form the most representative Eskimo collections to be found in any museum in the world.