

of oceanography in the Leningrad State University, president of the Russian Geographical Society and corresponding member (meteorology) of the Russian Academy of Sciences. His voluminous writings have been mainly in the fields of oceanography, hydrography and cartography. In the last named he compiled what is now the standard general map of Russia, a map in sixteen sheets on the scale 1:2,000,000. In 1917 he published a treatise on oceanography which is the crystallization of his previous work along these lines. He has recently undertaken a comprehensive survey of the Black Sea.

Award of the Charles P. Daly gold medal for 1929 has been made to Filippo De Filippi and Émile Félix Gautier. The Charles P. Daly gold medal is awarded from time to time "for valuable or distinguished geographical services or labors." The last award was made in 1927.

CAV. FILIPPO DE FILIPPI, secretary-general of the International Geographical Union, has done distinguished work in exploration. He accompanied the Duke of the Abruzzi on expeditions to Mt. St. Elias, in the Karakorum, and to Mt. Ruwenzori. Realizing the "variety and the importance of the problems as yet unsolved" in the Karakorum region, he organized an expedition of his own in 1913 and by the aid of a group of specialists carried out some remarkable work in geology, physical geography including glaciology, and human geography in the mountains and plateaus between the Vale of Kashmir and Chinese Turkestan.

ÉMILE FÉLIX GAUTIER. For a quarter of a century Professor Gautier, of the University of Algiers, has devoted himself to geographical investigations in northern Africa and the Sahara, on which regions he is a recognized authority. His writings, distinguished by characteristic ease and originality, reveal the intimacy of his knowledge in his chosen sphere.

CELEBRATION OF FIFTY YEARS OF ENGINEERING PROGRESS BY THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

THE Fiftieth Anniversary of The American Society of Mechanical Engineers will be celebrated in April in Washington, in Hoboken and in New York. The leading scientific and engineering societies and educational institutions throughout the world have been invited to send two delegates each to the celebration. Similar invitations have been extended to the leading trade associations and trade schools of the United States.

The celebration will open on April 5 in New York, where the delegates, members and guests will register at the United Engineering Societies Building. This will be followed by the unveiling of a tablet in the lobby of the building commemorative of the anniversary, and then the whole party will be taken to the offices of *The American Machinist*, a program being given that depicts the preliminary organization meeting on February 16, 1880.

The anniversary program will be continued at Stevens Institute at Hoboken, N. J., commemorating the organization meeting in the auditorium of the institute with a pageant of engineering progress which has been written by Dr. George Pierce Baker, of the department of drama, Yale University, and which will be presented by the institute under his direction.

At 7:30 p. m. will be given at the Hotel Roosevelt in New York a welcoming dinner under the auspices of the metropolitan section of the society. The toastmaster is Charles M. Schwab, an honorary member and past-president of the society. An address of welcome will be given by the president of the society, Charles M. Piez. There will be two other speakers—James H. McGraw, chairman of the board of the McGraw-Hill Publishing Company, who will represent the engineering press, and Robert I. Rees, president of the Society for the Promotion of Engineering Education, who will represent the field of engineering education.

On Sunday morning at eleven o'clock there will be commemorative services at the Cathedral of St. John the Divine in New York City. During that afternoon and evening departure will be taken for Washington, D. C.

In Washington, April 7, on Monday morning at eleven o'clock in the National Council Chamber of the U. S. Chamber of Commerce Building will be held the welcoming assembly. Addresses will be given by a representative of the government of the United States and by the president of the society, Charles Piez. There then will follow brief addresses by a delegate from each country in behalf of all the delegates from his country; by the presidents of the American Society of Civil Engineers, the American Institute of Mining and Metallurgical Engineers and the American Institute of Electrical Engineers. Palmer C. Ricketts, president of Rensselaer Polytechnic Institute, will speak in behalf of American engineering educational institutions; William Butterworth, president of the Chamber of Commerce of the United States, in behalf of business organizations of the United States, and then a delegate in behalf of various American scientific and professional societies.

In the afternoon there will be a session on the Influence of Engineering upon Civilization, when seven of the sixteen national papers covering the humanistic aspects of engineering will be summarized in short addresses. This will be followed by a reception at the White House, while in the evening a reception will be given by the officers and council of the society.

On Tuesday the second part of the session on the

Influence of Engineering upon Civilization will be held when the remaining nine national monographs will be presented. There will be an address summarizing "Fifty Years of Mechanical Engineering in the United States." At noon a luncheon will be given in honor of the founders of the society and this will be followed by the ceremonies attendant upon the presentation of medals of distinction.

Fiftieth Anniversary Medals will be conferred upon the sixteen men who present the monographs. The formal presentation will be made in each case by the Ambassador in Washington of the country sending the delegate. This occasion has been deemed unusually appropriate for the presentation of four other medals—the American Society of Mechanical Engineers, the Gantt, the Melville and the Guggenheim, to William Leroy Emmet, Fred J. Miller, Joseph Wickersham Roe and Orville Wright, respectively. This particular part of the exercises will be

in charge of Dr. Arthur M. Greene, Jr., dean of engineering at Princeton University.

At a formal dinner on Tuesday evening at which Dr. W. F. Durand, past-president of the society, will preside as toastmaster, there will be addresses by the president of The American Society of Mechanical Engineers, and by Dr. Robert A. Millikan, past-president of the American Association for the Advancement of Science. There will also be an address by a distinguished American that may include, from an international view-point, an evaluation of the influence of engineering in promoting international amity and upon the progress of mankind.

On Wednesday, April 9, the delegates will visit points of interest in Washington and vicinity.

The announcement and first presentation will be made of the Herbert Hoover Medal by the Hoover Medal Board representing the A. S. C. E., the A. I. M. E., the A. S. M. E. and the A. I. E. E.

SCIENTIFIC NOTES AND NEWS

MR. JOHN W. DAVIS, formerly United States Ambassador to Great Britain, will preside at a dinner of the American Philosophical Society to be held in New York on April 2 under the auspices of the New York members of the society. The speakers will be Sir Robert Falconer, president of the University of Toronto; Dr. Livingston Farrand, president of Cornell University; Roland S. Morris, formerly ambassador to Japan.

PROFESSOR ALBERT A. MICHELSON has returned to the University of Chicago, his health much improved after two months spent in Bermuda. He intends to remain at Chicago for several months, working in the Ryerson Physical Laboratory, and then plans to go to California to continue his measurements of the velocity of light in a mile-long vacuum tube.

DR. KARL LANDSTEINER, a member of the Rockefeller Institute for Medical Research, New York, was awarded on March 14, the anniversary of Ehrlich's birth, the Paul Ehrlich gold medal of the Paul Ehrlich Foundation of Frankfurt-on-the-Main, in recognition of his work on human blood groups and his hapten theory of immunity.

DR. ROBERT DOERR, professor of hygiene at Basle, has been awarded the Josef Schneider gold medal by the University of Wurzburg.

THE *Journal* of the American Medical Association reports that Professor Carlo Comba, director of the pediatric clinic of Florence, was the recipient of special honors on the twenty-fifth anniversary of his teaching activities. Professor Fiore presented his

former teacher with a volume of scientific articles published for the occasion. Professor Comba has given the university 100,000 lire (\$5,263) for a research fellowship in pediatrics.

WE learn from *Nature* that at a meeting of the Royal Society of Edinburgh, held on March 3, the following were elected fellows: Professor William Annan, Edinburgh; Mr. D. R. R. Burt, Colombo; Lieutenant-Colonel John Cunningham, Edinburgh; Lieutenant-Colonel L. M. Davies, Edinburgh; Dr. A. E. M. Geddes, Aberdeen; Dr. Douglas Guthrie, Edinburgh; Sir Thomas Holland, Edinburgh; Dr. David Jack, St. Andrews; Dr. S. G. Jones, Glasgow; Professor P. S. Lelean, Edinburgh; Dr. J. W. Low, Bristol; Dr. A. C. McCandlish, Sorbie; Mr. W. C. Miller, Edinburgh; Dr. J. M. W. Morison, Edinburgh; Mr. James Morton, Edinburgh; Professor Wm. Oliver, Edinburgh; Principal G. F. O'Riordan, London; Mr. A. W. Ritchie, Edinburgh; Dr. David Russell, Leven; Dr. F. W. Sansome, London; Mr. E. C. Shankland, London; Dr. R. H. Slater, Edinburgh; Mr. J. W. Struthers, Edinburgh; Professor C. W. Stump, Sydney; Dr. J. D. Sutherland, Edinburgh; Dr. C. I. B. Voge, Edinburgh, and Dr. A. C. White, Beckenham.

SIR THOMAS H. HOLLAND, vice-chancellor of the University of Edinburgh, has been awarded the Gold Medal of the Institution of Mining and Metallurgy "in recognition of his eminent services to geological science and to the mineral industries during his tenure of high public appointments—notably those of director of the Geological Survey of India and of rector of the Imperial College of Science and Tech-