

A Glasgow fellowship of £300, tenable for two years, to Mr. T. C. Mitchell, B.Sc., for work in the University of Cambridge.

A Glasgow fellowship of £300, tenable for one year, to Mr. J. D. Fulton, M.A., B.Sc., for work in the University of Manchester.

A Canadian fellowship to Mr. D. McKay Morrison, M.Sc., Ph.D., for work in the University of Cambridge.

A Japanese fellowship of the value of £370, to Dr. Seisi Takagi, for work at University College, London.

The trustees have renewed the following fellowships for the same session:

Mr. S. W. Saunders, B.Sc., Ph.D. (British fellowship), for work at University College, London; Mr. Kai J. Pedersen (Danish fellowship), for work in the University of Bristol; M. M. Mathieu (French fellowship), for work in the Davy Faraday Laboratory, Royal Institution, London, and Dr. Nicolas Oeconomopoulos (Greek fellowship), for work at University College, London.

Sir Robert Waley-Cohen has been appointed a trustee of the Ramsay Memorial Fellowship Trust, in place of the late Sir George Beilby.

SCIENTIFIC NOTES AND NEWS

PROFESSOR NEILS BOHR, of Copenhagen, has received the Barnard gold medal for meritorious service to science from Dr. John D. Prince, American minister to Denmark, acting on behalf of Columbia University, where he was once a professor. The medal was awarded to Professor Bohr in recognition of his researches in the structure of atoms by the trustees of Columbia University in April, on the nomination of the National Academy of Sciences.

A MEDAL for archeological research has been instituted and attached to the Board of Archeology in the University of London. The first presentation was made at University College on July 7 to Sir Flinders Petrie in recognition of his half-century of work for archeology.

THE honorary degree of LL.D. has been conferred by the University of Aberdeen on Dr. J. J. R. MacLeod, professor of physiology at the University of Toronto.

THE degree of doctor of laws has been conferred by Wabash College on Dr. J. N. Rose, research associate in botany of the Carnegie Institution. Dr. Rose graduated from the college in 1885 and received the Ph.D. in 1889.

ARTHUR LOWENSTEIN, chemist and vice-president of Wilson and Company, has received the honorary degree of doctor of science from the University of Cincinnati.

THE Walker prize of \$100, awarded annually by the Boston Society of Natural History for the best essay in the field of natural history, has been given this year to Edward F. Holden, of the University of Michigan, for his manuscript entitled "The pigment of amethyst."

THE Comet Medal of the Astronomical Society of the Pacific has been awarded to Professor Max Wolf, of Heidelberg, Germany, for the discovery of an unexpected comet on December 22, 1924.

THE Spanish Achúcarro prize for distinguished work in the histology of the nervous system has been awarded to Professor K. Schaffer, chief of the Budapest Institute for Research on the Brain. This prize is awarded every two years alternately to a Spanish and a foreign histologist.

DR. RAPHAEL ISAACS, instructor in medicine at the Harvard Medical School, has won the Alvarenga prize of the College of Physicians of Philadelphia, which is given annually for the best essay on a medical subject. Dr. Isaacs' subject was "The nature of the action of Roentgen rays on living tissue."

DR. TRUMAN W. BROPHY, of Chicago, was awarded the Miller prize for dental research at the opening session of the annual meeting of the International Dental Federation in Geneva. He also was made an honorary member of the Swiss Odontological Society.

DR. CHEVALIER JACKSON, of Philadelphia, has been honored by the French government with membership in the Legion of Honor. Dr. Jackson is now in France lecturing at the University of Paris on bronchoscopic work.

AT the recent meeting of the International Research Council in Brussels, the reelection of M. E. Picard as president was proposed by Professor Lorentz and was unanimously agreed to. Dr. George E. Hale and M. Lecoq being unable for reasons of health to serve on the executive committee, Dr. Vernon Kellogg and M. P. Pelseneer were elected to fill these vacancies.

AT the annual meeting of the American Society for Clinical Investigation, held in Washington, Dr. Charles C. Bass, dean of the School of Medicine at Tulane University, was elected president.

SIR ST. CLAIR THOMSON, M.D., has been reelected president of the Royal Society of Medicine.

HUGH D. MISER, of the United States Geological Survey, has been appointed state geologist of Tennessee, to succeed Wilbur A. Nelson, who goes to Virginia to become state geologist and head of the department of geology in the University of Virginia.

WITH the last issue of *The Nation's Health*, Dr. C.-E. A. Winslow, professor of public health, Yale School of Medicine, New Haven, Conn., retires as editor and is succeeded by Dr. Frank L. Rector, former secretary of the Conference Board of Physicians in Industry and medical investigator for the National Industrial Conference Board, New York.

PRINCIPAL JOHN YULE MACKAY has resigned the chair of anatomy in University College, Dundee. He will continue to hold office as principal of the college.

PROFESSOR R. W. REID, who had held the chair of anatomy at the University of Aberdeen, Scotland, since 1899, has resigned.

A. C. STEPHEN, junior naturalist on the scientific staff of the Fishery Board of Scotland, has been appointed assistant in the Natural History Department of the Royal Scottish Museum, Edinburgh, in succession to Dr. E. L. Gill, recently appointed director of the South African Museum, Cape Town.

DR. M. J. VAN WAGENEN, of the department of educational psychology at the University of Minnesota, has been granted a year's leave of absence to accept an appointment as visiting lecturer in educational psychology and statistics at the University of California for the year 1925-26.

DR. WILLIAM A. PERLZWEIG, chemist to the medical clinic in the Johns Hopkins University and Hospital, sailed on a six-months' leave of absence for the purpose of study in the chemical laboratories of Professor F. Pregl in Graz and of Professor S. P. L. Sørensen in Copenhagen.

RAYMOND DITMARS, curator of reptiles of the New York Zoological Society, will sail for Rio de Janeiro on August 15, where he is going to study and collect poisonous snakes.

LIEUTENANT G. C. JONES, director of the U. S. Coast and Geodetic Survey, is now at work in the Aleutian Islands, making a reconnaissance of certain islands, which includes magnetic observations at well-determined positions.

THE memory of John Ericsson, the distinguished engineer, was honored on August 7 at the annual dinner of the John Ericsson Society at the Engineers Club. Among the speakers were Lieutenant Commander John H. Barnard, C.S.N.; C. C. Hulth, of the General Electric Company; J. Skogmark, one of the inventors of smokeless powder, and Charles K. Johansen, editor of the *Swedish North Star*. Mr. Johansen announced that a statue of Ericsson would be erected on May 1 next year in Lincoln Park, Washington, D. C. A radiogram of congratulations was read from the Mayor of Filipstad, Sweden, Ericsson's birthplace.

The Geographical Journal reports that friends and admirers of David Carnegie, the explorer of Western Australia, who was killed while on service as resident in Nigeria in 1900, are raising a memorial to him in Brechin Cathedral and in Perth, W. A. A bas-relief portrait has been executed by Mr. William Lamb, of Montrose, and is to be cast in bronze for the two memorials. His death was caused by a poisoned arrow in an ambush where he was operating against a marauding chief.

PHILADELPHIA has been chosen as the place of meeting of the American Chemical Society for its semi-centennial celebration during the week of September 6, 1926.

THE American Institute of Electrical Engineers will meet in Seattle from September 15 to 18, under the presidency of Dr. M. I. Pupin, professor of electro-mechanics at Columbia University and president of the American Association for the Advancement of Science.

THE thirty-fourth meeting of the American Astronomical Society will be held at Goodsell Observatory of Carleton College, Northfield, Minnesota, from September 8 to 11. Northfield is about thirty-five miles south of St. Paul, Minnesota, and may be reached by way of the Chicago, Milwaukee and St. Paul, and the Chicago, Rock Island and Pacific railroads. Members are reminded that advantage can be taken of reduced summer fares. In particular, such an excursion as to the Yellowstone National Park can be combined to advantage with the trip to the meeting. Members of the society and visitors will be given rooms and board in one of the college dormitories, in which there are suitable accommodations for both men and women. It is expected that the cost will not exceed \$3.50 per day for room and meals.

THE first scientific Congress of Geophysicists, representing the geophysical institutions of the Soviet Union, was held at Moscow from May 17 to 24, five hundred and eleven members being present. One of the principal questions before the Congress was the coordination of the Geophysical Service throughout the Union of the Socialist Soviet Republics, and the connection between the Geophysical Services established in the separate Sovietic republics and regions was defined. The scientific work of the conference was divided into five sections, as follows: meteorology and aerology; actinometry, electrometeorology, atmospheric optics and acoustics; climatology; dynamic and synoptic meteorology, and terrestrial magnetism, and seismology and gravimetry. A special commission for the study of the drought and its peculiarities was organized. Seventy-five reports relating to questions

of organization and 260 scientific reports were presented to the congress.

WE learn from *Nature* that the third International Congress of Entomology opened its meetings at Zurich on July 20, after a reception of the delegates on the evening of July 19. The first of these congresses was held at Brussels, and the second at Oxford. In August, 1914, the third was to have met at Vienna, but circumstances made this impossible. Science, however, is international, and "Time the Healer" suggested the resumption of these meetings, and Zurich was chosen as neutral ground. About 200 members are in attendance, 60 of them from Britain. Nearly all the European countries are represented—though there are significant exceptions—as also India, Canada, South Africa and the West Indies. The United States is represented by Dr. L. O. Howard and others, while there are representatives from Egypt and Mexico. Switzerland is naturally well represented, and the president is Dr. A. von Schulthess. A very full program has been arranged under the sections morphology, systematic entomology, biology and development, bionomics and nomenclature.

At the British Empire Exhibition, Wembley, an "international conference of women in science, industry and commerce" was recently held, under the auspices of the Women's Engineering Society and kindred bodies, including the Electrical Association for Women. The conference was opened by the president, H. R. H. the Duchess of York, with Lady Astor, M.P., in the chair, and after luncheon there was to be a tour of the exhibition. The speakers and delegates were entertained to luncheon at the Wembley Garden Club by the president and council of the British Electrical Development Association (Inc.), and amongst those present were Miss Margaret Bondfield and Miss V. Holmes. On the following morning the session was to be devoted to "Engineering, chemistry and research," Miss C. Griff, presiding, and one of the papers was entitled "Electricity applied to mining," by Miss H. M. Davis; the subject for the afternoon was "Industrial welfare and factory inspection," with Mrs. Willson in the chair, and a reception was arranged for the evening. On the next day Mrs. Hoster presided at the morning session on "Commerce and salesmanship," papers being read by Miss G. Burlton on "Salesmanship" and by Miss L. F. Nettlefold on "The place of the wholesaler in the scheme of distribution"; and in the afternoon, with Alderman Mrs. Hammer in the chair, the subject was "Electricity—domestic science," papers being read on "Producing and distributing electricity," by Miss M. Partridge and "At home with electricity," by Miss T. J. Dillon, and accompanied by a special demonstration of electrical apparatus.

THE fourth annual meeting of the National Conference on Pharmaceutical Research will be held at Fort Des Moines Hotel, Des Moines, Iowa, on Saturday, August 22, 1925, of which H. V. Army, of New York, is chairman. There will be two sessions: one beginning at 10 A. M. and the other at 2 P. M. The tentative program is as follows: Reports of officers, reports of the 10 standing committees, reports from delegates from the following affiliated organizations: (a) Association of Official Agricultural Chemists. (b) American Chemical Society, Division of Chemistry of Medicinal Products. (c) American Conference of Pharmaceutical Faculties. (d) American Drug Manufacturers' Association. (e) American Pharmaceutical Association. (f) American Pharmaceutical Manufacturers. (g) Bureau of Chemistry, U. S. Department of Agriculture. (h) Joint Committee on Definitions and Standards of Food and Drugs. (i) National Association of Boards of Pharmacy. (j) National Association of Retail Druggists. (k) National Formulary Revision Committee. (l) Pharmaceutical Laboratory Seminar. (m) Plant Science Seminar. (n) Proprietary Association. (o) U. S. P. Revision Committee. There will be general discussions on: (a) Census of research, (b) graduate students in pharmacy and their research work, and (c) research topics.

THE Royal research ship *Discovery* sailed on July 23 from Portsmouth for the Falkland Islands via the West Coast of Africa and Cape Town. The object of the expedition is to undertake research into the habits of whales, and make other scientific investigations in the region of the Dependencies of the Falkland Islands and elsewhere. Officers of the ship include the following: Director of research, Dr. Stanley Kemp; chief zoologist, Mr. A. C. Hardy; assistant zoologists, Mr. J. R. Hamilton and Mr. E. R. Guntner; hydrologist, Mr. H. F. P. Herdman; medical officer, Lieut-Col. Marshall; captain, Commander J. R. Stenhouse; navigating officer, Lieutenant-Commander J. M. Chaplin.

It was recently stated in *SCIENCE* that the General Electric Company had presented apparatus to Sir William Bragg. The facts are that the General Electric Company has joined with the British Thomson-Houston Company, Ltd., of England, in presenting an X-ray diffraction apparatus to Professor W. L. Bragg, of the University of Manchester, England. The two companies are also joining in a gift of a high voltage direct current outfit to Sir Ernest Rutherford, of the Cavendish Laboratory, University of Cambridge, England.

A BEQUEST to be known as the Charles Patrick Daly and Marie Lydig Daly Fund, the annual income from which will be about \$1,000, has become available to the New York Botanical Garden.

A NEW experimental and research station at Chesham, Herts, England, has been opened by Lord B. Edisloe, Parliamentary secretary to the Ministry of Agriculture. The new building contains an entomological laboratory and a laboratory for the treatment of plant soils. There is also a fireproof room on the roof for the storage of experimental records and a demonstration room where discoveries made at the station may be demonstrated to a large number of growers. The building has been erected at a cost of £4,800, of which £2,800 has been contributed by the ministry of agriculture. The remainder has been guaranteed by horticultural growers.

ALL branches of the German electrical industry will be represented by exhibits at the Technical Fair to be held at Leipzig, Germany, from August 30 to September 9. The German manufacturers at this time will display their latest developments in all types of equipment, including motors and generators, transformers, insulating material, electric railway equipment, measuring instruments, small farm plants and industrial machinery.

A NATIONAL exposition on health, social welfare and physical training is to take place in Dusseldorf, in 1926, under the auspices of the National Government and with the cooperation of the state governments and various private organizations. The purpose of the exposition is to point out to the German people the importance of proper care of the health, to enable them to meet their obligations in Germany and outside of it. More than 1,000 specialists in various fields are engaged in arranging for the exposition.

ACCORDING to a cable to the *New York Times*, the Oxford University Press has issued the first volume of a "World List of Scientific Periodicals." It has been found that more than 24,000 periodicals publishing results of scientific research existed in the world between 1900 and 1921. Each periodical was subjected to a severe test before including it in the list, and it was found that the entire 24,000 periodicals listed publish regularly or occasionally contributions to scientific knowledge which ought not to be overlooked. A second volume of the report soon to appear will tell at what libraries the different scientific periodicals are obtainable. The investigation was conducted by a British joint board of scientific societies, aided by a grant from the trustees of the Carnegie United Kingdom Trust.

A SURVEY of air transportation is to be undertaken jointly by the Department of Commerce and the American Engineering Council.

UNIVERSITY AND EDUCATIONAL NOTES

PLANS to erect a medical center at the University of Pittsburgh, at a cost of \$14,000,000, have been announced recently by the university's medical committee. Agreements have been perfected to include the Presbyterian, Children's, Elizabeth Steele Magee, Montefiore and the Eye and Ear Hospitals in a group to be operated in conjunction with the university's fifty-two story cathedral of learning.

THE corner-stone of the \$1,500,000 physics building of Columbia University was laid on August 7. It will be a twelve-story structure and will be ready for occupancy in September, 1926.

THE new hospital at the University of Michigan, which has been under construction for the last five years at a cost of \$3,500,000, was opened on August 10.

IN accordance with recent legislation, the University of Kansas, the Kansas State Agricultural College and the three state teachers' colleges on July 1 passed under the control of a non-salaried board of regents of nine members, appointed by the governor. The first board comprises three members for one-year terms, two for two years, two for three years and two for four years, and their successors will regularly be appointed for four-year terms.

HAROLD S. BOARDMAN, dean of the college of technology, has been made acting president of the University of Maine, to take the place of Dr. Clarence C. Little, who recently resigned to accept the presidency of the University of Michigan.

DR. CASWELL A. MAYO, formerly dean of the Queen City College of Pharmacy, Cincinnati, has been appointed dean of the New Jersey College of Pharmacy.

JOHN YOUNGER, consulting engineer, has been appointed head of the department of industrial engineering at the Ohio State University.

At the University of Colorado, Dr. Ralph Garfield Mills, of the Northwestern University Medical School, has been appointed professor of pathology and head of the department of pathology, and Dr. Ivan Hall, of the University of California, professor and head of the department of bacteriology.

At the University of Idaho, Dr. Irving H. Blake, associate professor of biology at the University of Maine, has been elected to the associate professorship of zoology, taking the place of Professor R. A. Muttowski, who is now head of the department of biology at Detroit University. Dr. Howard B. Stough, Ph.D. (Harvard), will fill the new position of assistant professor of zoology.