

Paul. The eastern lines of the Canadian Passenger Association have granted this privilege also. The railway fare for any one attending the Boston meeting from authorized points will be a fare and a half for the round trip, on the certificate plan, as in the case of last year's Toronto meeting. From unauthorized points (all in the far west) attractive excursion rates will be available. The preliminary announcement for the Boston meeting will shortly be mailed to all members of the association.

### SCIENTIFIC NOTES AND NEWS

ANNOUNCEMENT is made that the Nobel prize in physics for the year 1921 has been awarded to Professor Albert Einstein, of the University of Berlin, and for the year 1922 to Professor Neils Bohr, of the University of Copenhagen. The Nobel prize in chemistry for the year 1921 has been awarded to Professor Frederick Soddy, of the University of Oxford, and for the year 1922 to Professor F. W. Ashton, of the University of Cambridge. The prizes for medicine have not been awarded.

DR. ROYAL S. COPELAND has been elected United States Senator from New York by a very large majority. Dr. Copeland, who has been commissioner of public health for New York City, was professor of ophthalmology in the University of Michigan from 1895 to 1908.

DR. CHARLES P. STEINMETZ, of the General Electric Company, who was candidate for state engineer in New York on the tickets of the socialist and labor parties, received about three times as many votes as the candidate for governor. The vote for Dr. Steinmetz in New York City was 207,138.

DR. WILLIAM H. NICHOLS, chairman of the General Chemical Company, and Dr. John J. Carty, vice-president of the American Telephone and Telegraph Company, have been elected members of the council of New York University.

THE Grasselli Medal, awarded every year by the Grasselli Chemical Company to the author of the best paper presented before the Society of Chemical Industry during the previous year, was presented to W. H. Fulweiler, chemical

engineer of the United Gas Improvement Company, of Philadelphia, at the regular meeting of the section at the Chemists' Club, New York, on October 20.

THE Pharmaceutical Society, London, has presented the Hanbury Medal, awarded every two years for the promotion of research in the chemistry and natural history of drugs, to M. Emile Perrot, professor of materia medica in the University of Paris.

DRS. RAMÓN Y CAJAL, of Madrid, and Bernardo Houssay, of Buenos Aires, have been elected honorary members of the Mexican Society of Biology. Dr. E. B. Krumbhaar, of Philadelphia, has been elected a corresponding member.

THE Bavarian Academy of Sciences has elected as corresponding members, Dr. R. Tigerstedt, professor emeritus of physiology at Helsingfors, and Dr. Ramón y Cajal, professor emeritus of histology at Madrid.

DR. FRANK R. LILLIE, of the University of Chicago and chairman of the Division of Biology and Agriculture of the National Research Council for the year 1922-23, will be in residence in Washington from January 1 until about the end of March. During the period before the expiration of his term on June 30, 1923, he will make occasional visits to Washington, but the major portion of his time will be spent in Chicago.

DR. PHILIP S. SMITH, administrative geologist of the United States Geological Survey, has been appointed acting director.

DR. PERCY LONGMUIR, of Sheffield, has been appointed director of research to the British Cast-Iron Research Association.

DR. A. LOEWY, professor of physiology at the University of Berlin, has accepted the charge of the institute for study of the physiology of altitudes recently founded at Davos by the Swiss government.

MR. R. E. PRIESTLEY, of Christ's College, Cambridge University, has been elected a fellow of Clare College. He was a member of Sir Ernest Shackleton's Antarctic Expedition fifteen years ago, and also of Captain Scott's

expedition in 1913. He has published numerous papers dealing with the geology of the Antarctic.

PROFESSOR ARTHUR SMITHELLS, who has held the chair of chemistry at Yorkshire College and Leeds University since 1885, is to retire at the end of the current session and will take up special research work in chemistry in London.

DR. LEON W. PARSONS has resigned as assistant director of the Research Laboratory of Applied Chemistry of the Massachusetts Institute of Technology to accept a position as chief chemist of the Tidewater Oil Company, Bayonne, N. J.

EDUCATIONAL programs of the various institutions offering courses in chemical engineering are to be investigated by a committee of eleven appointed by the council of the American Institute of Chemical Engineers, with a view to standardizing the training required for the degree of Ch.E. The program of the committee contemplates three years' work in obtaining the adoption of recommendations of a previous committee and the publication of a list of approved schools at the end of this period. The committee consists of H. C. Parmelee, *chairman*; five representative educators: Joseph H. James, W. K. Lewis, A. H. White, R. H. McKee and S. W. Parr; and five representative industrialists: C. E. K. Mees, A. D. Little, C. L. Reese, W. C. Geer and W. R. Whitney.

THE *Journal* of the American Medical Association reports that the close of twenty-five years of teaching and research in physiology by Professor H. Zwaardemaker has been celebrated by friends and students at the physiological institute of the University of Utrecht. His contributions to science include additions to our knowledge of the organs of sense, of the transformations of energy, and of the importance of potassium for the automatism of the organs. He is now studying physiologic radioactivity, and how to help the deaf. He was presented with a *feestbundel* of ninety-five scientific articles from international sources, which, with an introductory article describing his life work, form a volume of 591 pages of

the Netherlands *Archives of Exact and Natural Sciences*. His portrait was also presented, to be installed in the institute.

THE Pasteur Lecture for 1922 of the Institute of Medicine of Chicago will be delivered by Dr. Jacques Loeb, of the Rockefeller Institute, on Friday, November 24, 1922. Professor August Krogh, of Copenhagen, lectured before the institute on October 27 on "The exchange of substances through the capillary wall, with some applications to pathological problems." Dr. Robert Bárány, professor of otology at the University of Upsala, also addressed the meeting.

IN continuation of the series of illustrated evening lectures given in the Administration Building of the Carnegie Institution of Washington, Dr. T. H. Morgan, research associate in biology and professor of experimental zoology at Columbia University, will speak on November 28 on "The constitution of the hereditary material and its relation to development."

DR. MAYNARD M. METCALF has been speaking at Purdue University, DePauw University, University of Indiana and Butler College during the first ten days of November, discussing research, the origin and future of man, animal distribution and industrial problems from the biological (humanistic) standpoint. He has held also conferences with small groups of persons specially interested in research, either from the standpoint of pupils looking forward to graduate study, or from the standpoint of institutions in their relations to research.

DR. JOSEPH C. BLOODGOOD, of the Johns Hopkins Medical School, addressed the dentists of Boston at a special meeting on November 10, preliminary to the opening of the "National Cancer Week," on "Lesions of the oral cavity."

DR. IRVING LANGMUIR, research physicist with the General Electric Company at Schenectady, will give a series of three lectures at the Carnegie Institute of Technology on November 27, 28 and 29. The lectures will be given to students and executives in industrial and scien-

tific fields in the Pittsburgh district. The subjects of lectures will be: (1) "Electron emission from heated metals"; (2) "Electron emission from thoriated filaments"; (3) "Methods of controlling electron currents in high vacuum."

DR. JAMES EWING, professor of pathology at Cornell University Medical College, New York, delivered the 1922 Mütter lecture on surgical pathology, before the College of Physicians of Philadelphia, on November 1. His subject was "The principles of the radiation treatment of cancer."

HOBART COLLEGE has recently formed a Science Club, the purpose of which is to promote science among the students of Hobart by means of lectures to which the people of Geneva are invited. The first lecture was held on October 31, when Dr. C. E. K. Mees spoke on "The road to wealth."

DR. ROBERT BARANY, professor of otology of the University of Upsala, Sweden, and winner of the Nobel prize in medicine in 1914, gave a two weeks' lecture course and several clinics for eye specialists and neurologists in St. Louis from October 9 to 21. Dr. Bárány was the guest of honor of the American Academy of Ophthalmology and Otology, which held its annual meeting in Minneapolis, last month. Dr. Bárány will give a similar course of lectures in Chicago, Denver, Los Angeles, Houston, Cincinnati, Cleveland, Boston and New York.

THE Huxley lecture on "Evolutionary tendencies in man's body" was given at the Charing Cross Hospital Medical School by Sir Arthur Keith, M.D., F.R.S., on November 8.

THE Netherlands Medical Association has arranged to celebrate the Pasteur centennial at Amsterdam on November 25. Addresses will be made by specialists in medicine, chemistry and microbiologic technic. Dr. A. Calmette, of the Pasteur Institute at Paris, will deliver an address.

A FORMAL university function commemorating the centenaries of both Mendel and Pasteur will be held by St. Louis University on the evening of December 14. The address on

Mendel will be delivered by Professor H. S. Jennings and the address on Pasteur by Professor Victor C. Vaughan. The ceremony will be held in the university auditorium.

W. H. WESLEY, for forty-seven years assistant secretary of the Royal Astronomical Society, died on October 27, in his eighty-second year.

THE death is announced of Dr. Alexander Crum Brown, professor of chemistry in Edinburgh University from 1869 until his retirement in 1908.

PROFESSOR A. V. VASSILIEFF, of the University of Petrograd, writes: "Through the death on September 23, 1922, of Dr. Lev Alexandrovitch Tchugaiev, professor of chemistry in Petrograd University and director of the Institute for the Study of Platinum, the science of chemistry has lost a most devoted student. Professor Tchugaiev died at the age of forty-nine years from typhoid fever. The premature death of this energetic scholar possessing great knowledge and a broad mind and whose conduct has been always guided by the high ideal of devotion to science adds a new great loss to so many suffered by Russian science within the few past years. The first studies of Tchugaiev had for their object the groups of terpenes and of camphor as well as optical properties of organic compounds. But his most important researches, published in the *Comptes Rendus*, in the *Journal of the Chemical Society*, in the *Zeitschrift für Anorganische Chemie* and in the *Journal of the Physico-Chemical Society of Russia*, related to the study of complex compounds of cobalt, nickel and platinum. The last years of his indefatigable work were especially devoted to the study of platinum compounds, their electric conductivity, isomerism, etc. Perhaps the most important of all his investigations relate to the coordination theory of Alfred Werner, to the development of which Tchugaiev contributed not a little."

THE one hundred and seventeenth regular meeting of the American Physical Society will be held in Chicago, at the Ryerson Physical Laboratory, on Saturday, December 2. If the length of the program requires it, there will

also be sessions on Friday, December 1. The annual meeting will be held in Boston, December 26 to 30.

THE second annual meeting of the Deutsche Gesellschaft für Vererbungswissenschaft was held in Vienna on September 25-27. A report in *Nature* says that, though technically a meeting of the German society only, in fact the congress was largely international in character, the visitors including representatives from England, America, Italy, Switzerland, Japan, Holland and the Scandinavian countries. Professor R. Wettstein presided, and the opening address was delivered by Professor E. Baur (Berlin). The principal discussions were opened by Professor Goldschmidt (Berlin) on "The Mutation Problem," and by Professor Ruedin (Munich) on "The Inheritance of Mental Defects." Demonstrations were arranged in the zoological laboratory of the university and in the Natural History Museum. Visits were made to the Biologische Versuchsanstalt (where Professor Steinach demonstrated his transplantation experiments in rats and guinea pigs) and to the principal libraries and art galleries in the town. Professor R. Hertwig was elected president for the ensuing year, and the society accepted his invitation to meet at Munich in 1923.

#### UNIVERSITY AND EDUCATIONAL NOTES

THE Joint Administrative Board of Columbia University and the Presbyterian Hospital has announced that the site for the new medical center has been transferred to the university and the hospital. The land site extends between One Hundred and Sixty-fifth and One Hundred and Sixty-eighth Streets from Broadway to the Hudson River. It is in excess of twenty acres, and is valued at \$4,000,000. It is the gift of Mrs. Stephen V. Harkness and Edward S. Harkness. It was also announced that an agreement has been confirmed between the Presbyterian Hospital, Columbia University and Mrs. Harkness, as donor, for the transfer of a fund of \$1,300,000 to Columbia University, for the endowment of educational and scientific work in the School of Medicine and the Presbyterian Hospital. An

additional \$1,000,000 has been given by Mr. Harkness toward the construction of the new Presbyterian Hospital, and \$1,000,000 for the school of medicine.

WE learn from the *Journal* of the American Medical Association that the first building for the new University of Rochester Medical School, a laboratory building, will be completed this month. Temporary offices of administration will be established in it. An appropriation of \$1,000,000 has been made by the city government for the new municipal hospital, which will adjoin the Strong Memorial Hospital. They will have a combined capacity of 460 beds. The university is to furnish the professional staff and the city the nonprofessional employees, under a contract recently approved.

MR. CHARLES C. SHARP has given \$17,000 to the Ohio State University as an endowment fund for the library of the department of chemistry. Mr. Sharp received the degree in civil engineering from the university in 1888.

THE new dairy industry and horticulture buildings at the branch of the University of California College of Agriculture at the University Farm, Davis, were formally dedicated on October 24. The principal addresses were given by President R. A. Pearson, of the Iowa State College, on "Dairy research and education," by Dr. W. H. Chandler, professor of pomology and vice-director of research in the New York State College of Agriculture at Cornell University, on "The outlook of agricultural research," and by President David P. Barrows, of the University of California.

DR. EDSON SUNDERLAND BASTIN, professor of economic geology in the University of Chicago, has been made chairman of the department to succeed the late head, Dean Rollin D. Salisbury.

At the New York Homeopathic Medical College and Flower Hospital the following appointments are announced: Israel S. Kleiner, Ph.D., dean; Wm. E. Youland, Jr., M.D., head of the department of pathology; Archibald McNeil, M.D., professor of bacteriology; Annis E. Thomson, M.D., instructor in bacteriology; Jenny Drennan, M.D., resident pathologist.