

civic organizations have been active, as have been a number of scientific bodies, beginning with the American Association for the Advancement of Science, which appointed a strong committee at the Chicago meeting, and whose president is a leading speaker at the conference.

The conferees with the president include the governors of the states and territories, each with three advisors; the justices of the Supreme Court; the members of the Cabinet; the senators and representatives in the Sixtieth Congress; the Inland Waterways Commission; the presidents of leading national and interstate scientific, technical and industrial organizations dealing with natural resources; together with a limited number of special guests, representatives of the press, etc.

While no formal program was framed in advance, the preliminary calendar was as follows:

CALENDAR

May 12, 7:30 P.M.—Meeting of the Governors and special guests with the President at dinner in the White House.

May 13, 10:00 A.M.—Assembling of Governors and their advisors with other conferees in the East Room.

11:00 A.M.—Address by the President: "Conservation as a National Duty."

2:30 P.M.—Session on Mineral Resources.

Opening statements:

"The Conservation of Ores and Related Minerals," by Andrew Carnegie.

"The Waste of Our Fuel Resources," by Dr. I. C. White.

General discussion—opened by John Mitchell.

7:30 P.M.—Meeting of the President and Governors as Guests of the Washington Board of Trade at dinner in the New Willard Hotel.

May 14, 10:00 A.M.—Session on Land Resources.

Opening statements:

"The Natural Wealth of the Land and its Conservation," by James J. Hill.

"Soil Wastage," by Professor T. C. Chamberlin.

"Forest Conservation," by R. A. Long.

"Conservation of Life and Health by Improved Water Supply," by Dr. George M. Kober.

General discussion.

2:30 P.M.—Session on Land Resources.

Opening statements:

"Interdependence of Resources, Illustrated by California's Rivers and Forests," by Ex-Governor George C. Pardee.

"Grazing and Stock Raising," by Hon. H. A. Jastro.

General discussion.

9:00 P.M.—Reception to meet the Governors and the Inland Waterways Commission at the residence of Mr. Gifford Pinchot.

May 15, 10:00 A.M.—Session on Water Resources.

Opening statements:

"The Public Lands and Land Tenure," by Ex-Senator Joseph M. Carey.

"Navigation Resources of American Waterways," by Professor Emory R. Johnson.

"The Conservation of Power Resources," by H. S. Putnam.

General discussion.

2:30 P.M.—General Session.

4:30 P.M.—General meeting of the conferees with ladies accompanying them, as guests of Mrs. Roosevelt, in the White House Grounds.

7:30 P.M.—Any session thought desirable by the Governors.

SCIENTIFIC NOTES AND NEWS

IN the place of Professor Dr. Max Verworn, professor of physiology at Göttingen, who was unable to accept, Dr. Albrecht F. K. Penck, professor of geography at Berlin, has been appointed by the Prussian Ministry of Education to serve as Kaiser Wilhelm professor for 1908-9 in this country, and has been assigned to a seat in the Columbia University faculties of pure and political science. He will give courses in historical and physical geography.

PRESIDENT ELIOT returned from his trip through the middle west on the morning of April 27, after having been absent from Cambridge since March 31. During his absence he delivered, in addition to the six lectures on university organization on the Harris foundation at Northwestern University, no less than twenty-eight other addresses and speeches.

At the annual meeting of the Society of the Sigma Xi of the University of Pennsylvania held at Randal Morgan Laboratory on May 5, Dr. A. W. Goodspeed was elected president; Dr. John W. Harshberger, vice-president; J.

V. Sanford, M.E., treasurer, and Dr. F. H. Safford, recording secretary.

DR. OSCAR TEAGUE has resigned an assistantship in pathological chemistry in the department of experimental pathology of Cornell University to accept an appointment as pathologist in the Philippine Islands. He is now on his way to the islands, where his address will be Bureau of Science, Manila.

IN connection with the International Congress on Tuberculosis, to be held in Washington from September 21 to October 12 next, the Smithsonian Institution has offered, as we have already announced, a prize of \$1,500, under the Hodgkins fund, for the best treatise "On the Relation of Atmospheric Air to Tuberculosis." This prize will be awarded by a committee appointed by the secretary of the institution in conjunction with the officers of the congress, and consisting of Dr. William H. Welch, Johns Hopkins University, Baltimore, chairman; Dr. Simon Flexner, director of the Rockefeller Institute for Medical Research, New York; Dr. George M. Sternberg, surgeon-general, U. S. A., retired, Washington; Dr. Hermann Biggs, of the New York Department of Health; Dr. George Dock, University of Michigan; Dr. William M. Davis, Harvard University, and Dr. John S. Fulton, secretary-general of the International Congress on Tuberculosis.

ON May first Professor W. E. Castle, of Harvard University, lectured at the University of Pennsylvania, under the auspices of the Guernsey Breeders' Association, on "Heredity."

MRS. FLEMING, of the Harvard College Observatory, on the occasion of a reception given to her at the Whitin Observatory of Wellesley College, lectured on the work of the Henry Draper Memorial with which she has been prominently connected since its inception, and in connection with which she has made many discoveries of new stars, variable stars, and stars with peculiar spectra, in addition to the general work of classification in the Draper catalogue of stellar spectra. Mrs. Fleming is an honorary member of the Royal Astronomical Society of London, and, on the occasion

of the completion of the Whitin Observatory, was created by the trustees of Wellesley College an honorary fellow of the college in astronomy.

ON April 2 Mr. R. Lydekker began a course of two lectures at the Royal Institution on (1) "The Animals of Africa"; (2) "The Animals of South America." The Friday evening discourse on April 3 was delivered by Lord Montagu of Beaulieu on "The Modern Motor-car," and on April 10 by Professor J. J. Thomson on "The Carriers of Positive Electricity."

A COURSE of five free popular lectures was arranged by the Chicago Academy of Sciences for Friday evenings in March and April, at eight o'clock. The lectures, which were given in the lecture hall in Lincoln Park, foot of Center Street, were as follows:

March 27—"Daylight: Its Quantity and Quality," by Dr. Olin B. Basquin, associate professor of physics, Northwestern University.

April 3—"World Building," by Dr. Forest Ray Moulton, assistant professor of astronomy, University of Chicago.

April 10—"The Forests of Eastern America," by Dr. Edgar N. Transeau, professor of botany, Eastern Illinois State Normal School, Charleston, Ill.

April 17—"The Birds of the Washington Coast," by Dr. Lynds Jones, associate professor of zoology, Oberlin College, Ohio.

April 24—"Zoological Collecting in British East Africa," by Mr. C. E. Akeley, Field Museum of Natural History.

THE American committee on the Mendel memorial begs to acknowledge the receipt, to April 20, of \$322 on account of this fund, received from 150 senders to whom acknowledgment has been personally made. It is proposed to close this account on the first of June. Those desirous of adding their names to the very honorable roll already obtained are requested to make their contributions before that date. Checks or cash may be sent to Dr. C. B. Davenport, Cold Spring Harbor, New York.

THE annual celebration of the Blue Hydra Society, composed of biological students at the University of Cincinnati, took place on April

24, an imported hemlock, dedicated to the memory of Cuvier, being planted on the campus. The chief address was delivered by Professor C. A. L. Reed, of the Medical faculty, on "The Lessons of Cuvier's Life."

ROBERT CHALMERS, LL.D., of the Canadian Geological Survey, died at Ottawa, Can., on April 9, at the age of seventy-four years. He joined the survey about twenty-three years ago, and conducted work in Pleistocene geology, especially in his native province of New Brunswick.

DR. OTTO KUNTZE, a graduate of the University of Munich, died recently at Iowa City, Iowa. During the past eleven years Dr. Kuntze was a dealer in minerals and rocks, and shortly before his death he placed his entire collection, consisting of thousands of specimens from all parts of the world, at the service of the University of Iowa. Dr. Kuntze was forty-one years of age.

MISS NINA HOLTON, of Newburyport, a member of the staff of the Bureau of Plant Industry, Department of Agriculture, died of typhoid fever on May 5.

MR. JOHN WALTER HASTINGS, A.B. (Harvard, 1905), A.M. (1906), ethnologist during the first year of the Peabody Museum Anthropological South American Expedition under Dr. W. C. Farrabee, died on April 26 from injuries received in an accident.

THE death is announced of Professor Leopold Schrötter von Kristelli, one of the best known and most influential members of the Vienna medical faculty. Only the week before, as honorary president of the Congress of Laryngologists then sitting in Vienna, Professor von Schrötter delivered an inaugural address, in the course of which he celebrated the achievements of Vienna University in developing the science of laryngology.

THE deaths are announced of Dr. Ludwig Schmarde, formerly professor of zoology in the University of Vienna, at the age of eighty-nine years, and of Dr. Wilhelm Scheidner, professor of mathematics at Leipzig, at the age of eighty-two years.

THE thirty-eighth general meeting of the American Chemical Society will, as has been already announced, be held in New Haven, Conn., June 30, July 1 and 2. The sections will meet in the lecture rooms of the Sheffield Scientific School, and will be under the chairmanship of the following members: Agricultural and Food Section—A. L. Winton; Biological and Sanitary Section, Thomas B. Osborne; Physical Section, Frank K. Cameron; Organic Section, Wm. McPherson; Inorganic Section, Philip E. Browning; Industrial Section, Wm. D. Richardson. Papers intended for these sections must be sent to the chairman or to the secretary of the society before June 10. The division of industrial chemists and chemical engineers will be organized at this meeting. Programs will be sent members on June 20. Hotel headquarters will be at the New Haven House.

THE third International Botanical Congress will be held at Brussels from May 14–22, 1910. All communications relating to the congress should be addressed to Dr. E. De Wildeman, general secretary of the organizing committee, Jardin Botanique de l'Etat, Brussels.

MR. A. F. YARROW has offered to give \$100,000 for a tank for research purposes to be erected at the National Physical Laboratory.

THE late Dr. H. Clifton Sorby, F.R.S., of Sheffield, has bequeathed to the Royal Society of London, a sum of £15,000, for a fellowship or professorship for the carrying on of original scientific research. He leaves to the University of Sheffield £6,500, to which is to be added £3,500 which he gave in 1903, making £10,000, as an endowment for a professorship of geology or such other subject as the university may think more suitable. Dr. Sorby also gives to the university a number of books, optical and scientific instruments, geological, mineralogical and natural history specimens, manuscript books, lantern slides, and microscopical objects of rocks and metals, and architectural and other photographs. To the corporation of Sheffield he bequeaths certain scientific articles, pictures, etc. The Sheffield Literary and Philosophical Society

receives a number of books and a sum of £500, and the Geological Society, of London, £1,000.

THE Worcester Art Museum has received under the terms of the will of the late Stephen Salisbury, property valued at \$2,738,000. This sum, added to the amount already possessed by the museum, makes its endowment \$3,332,000.

A BILL has been introduced in the senate for preventing the manufacture, sale or transportation of adulterated or misbranded fungicides, Paris greens, lead arsenates, and other insecticides, and for regulating traffic therein. This bill has been drafted at the instance of the Committee on Proprietary Insecticides of the Association of Economic Entomologists which includes all the official entomologists of the United States.

THE two hundred and fiftieth anniversary of the founding of the government of Philadelphia will be celebrated from October 4 to 10. The University of Pennsylvania and the other educational institutions of the city will take part. There has been appointed a committee on Medical Day which will arrange special exercises. In this connection there will be prepared a volume of 1,000 pages, including 750 pages of text and 250 pages of illustrations. It will contain an account of all the historical institutions, colleges and hospitals that have existed in the city since its founding. The volume will also contain an account of all the medical and scientific societies and medical journals that have been in existence in Philadelphia from the earliest days.

"A CATALOGUE of the Library of Charles Darwin now in the Botany School, Cambridge," has been compiled by Mr. H. W. Rutherford and published by the Cambridge University Press. *Nature* says of it: "Mr. Francis Darwin has contributed an introduction, in which he gives interesting information, supplementary to the account contained in the 'Life and Letters,' concerning his father's methods of work and treatment of books. The collection of books now be-

queathed to the university is not identical with that at Down; thus, the books Darwin wrote and some few others from Down remain in the possession of Mr. Francis Darwin. Darwin's pamphlets are not included in the catalogue, though part of them are on the shelves alongside his books. The introduction points out that Darwin hardly ever had a book bound, and the collection retains to a great degree its original ragged appearance. The general characteristic of the library is incompleteness, hardly any set of periodicals being perfect. The chief interest of the Darwin books lies in the pencil notes scribbled on their pages, or written on scraps of paper and pinned to the last page. Books are also to be found marked with a cypher, as described in 'Life and Letters.' Mr. Francis Darwin provides many facts of interest in connection with some of the more important books included in the library. In a preface, Professor Seward expresses to Mr. Darwin the high appreciation of the botany school and university for rendering the library available to all students."

CONSUL JOHN S. TWELLS, of Carlsbad, furnishes to the *Consular Reports* the following information concerning the discovery that the water in the Austrian uranium mines contains radium of medical value: About eighteen miles from Carlsbad is the small town of St. Joachimstal, where the Austrian government has one of its tobacco factories, and about three miles from that town, up in the hills, at a place which is difficult to reach, are the imperial uranium works, which have become famous during the last few years on account of the radium found in the uranium stone. There is also a government factory at St. Joachimstal where chemical colors are made from the uranium and shipped to all parts of the country. About two years ago the imperial managers of the uranium mines made a report to the government authorities that the water of the mine was found to contain radium, and medical experts have since declared that these waters are of high medical value in certain diseases. During the last fortnight most of the Austrian newspapers have published items according to which the

Austrian government is convinced of the high value of these waters and intends to take charge thereof, construct a proper radium spring, and build hotels, which it will control. The view of the government is, that the beneficial effects of radium in a number of diseases have been admitted by the medical profession, but hitherto the application has been very expensive and treatment difficult. The government believes now that by the discovery of radium in those waters a powerful and at the same time a cheap medium has been found to make the power of radium accessible for bathing purposes.

UNIVERSITY AND EDUCATIONAL NEWS

MR. CHARLES HENRY MOORE, barrister at law and fellow of Gonville and Caius College, Cambridge, has bequeathed £5,000 and the residue of his estate, apparently about £30,000, to the master and fellows of Gonville and Caius College.

THE late Dr. Lennander, professor of surgery at Upsala, has bequeathed his entire property to the university to endow scholarships for medical students, for stipends for research work, and for a fund to provide free postgraduate courses in surgery, hygiene and other branches of medicine.

MR. ANDREW CARNEGIE has given the sum of \$200,000 to the Mechanics and Tradesmen's Institute of New York City.

As we have already announced the third session of the National Graduate School of Agriculture held under the auspices of the Association of American Agricultural Colleges and Experiment Stations will open at Cornell University, Ithaca, N. Y., on July 6. The range of instruction will be considerably broader than at previous sessions and includes courses in biochemistry, agronomy, horticulture and plant physiology, dairy husbandry and dairying, poultry, entomology and veterinary medicine. The faculty will include a large number of the leading agricultural scientists of this country. Dr. N. Zuntz, professor of animal physiology of the Royal Agricultural College, Berlin, Germany; Director A. D. Hall, of the Rotham-

sted Experimental Station, England; Professor L. B. Mendel, of Yale University; Professor S. H. Gage, of Cornell University, and Professor C. B. Davenport, of the Carnegie Institution, will also deliver courses of lectures. Dr. A. C. True, director of the U. S. Office of Experiment Stations is dean of the school, and Professor G. N. Lauman, of Cornell University is registrar.

As the result of the appointment of Edwin C. Holden, of New York, to the professorship of mining engineering at the University of Wisconsin, the present group of electives in mining engineering in the college of engineering of the University of Wisconsin will be developed into a regular four-year course for the training of mining engineers.

At the recent meeting of the regents of the University of Wisconsin Professor Louis Kahlenberg was appointed director of the newly-established course in chemistry.

MR. ARTHUR L. WALKER has been appointed professor in the department of metallurgy at Columbia University.

MR. E. L. POTTER, a member of the 1908 graduating class in the animal husbandry department of the Iowa State College, has been appointed instructor in animal husbandry (in charge of the department) in the Oregon Agricultural College.

DR. VICTOR J. CHAMBERS, now instructor in organic chemistry at Columbia University, will succeed Professor A. Lattimore at the University of Rochester. Dr. Chambers received the degree of bachelor of science at Rochester in the class of 1895. From Johns Hopkins he received the degree of doctor of philosophy in 1901.

AUSTIN teaching fellows at Harvard University have been appointed as follows: Harold Eugene Bigelow, A.B. (chemistry), Edgar Davidson Congdon, A.M. (zoology), George Thomas Hargitt, A.M. (zoology), George Leslie Kelley, S.B. (chemistry), Chester Couch Pope (engineering), Emile Raymond Riegel (chemistry), Edric Brooks Smith (engineering).