

minutes on the life and services of the late Professor Peirce:

"The Faculty of Arts and Sciences desire to put on record their sense of the great loss which they have sustained in the death of Professor James Mills Peirce.

"Born in Cambridge within sound of the College bell, a member of the faculty of Harvard College at twenty, serving for nearly fifty years, not as teacher merely, but successively as secretary of the academic council, as dean—and almost as father—of the graduate school, and as dean of the faculty of arts and sciences, he spent the whole of a long life in and for the university.

"He was an admirable teacher, steeped in his subject, not buried in it, and always in close sympathy with his students, to whom he was ever a generous and inspiring friend. Broad-minded and many sided, his scholarship was of that wide, human kind which unites learning with recognition of every accomplishment of grace of life, with interest in every intellectual problem, and with good will to every earnest man. All his work was characterized by thoroughness and finish, and by a kind of fervid loyalty. He had a high and large conception of academic freedom, and, in age as in youth, he looked forward and not back. Of a peculiarly lovable nature, courteous and kindly, he was known to all who met him for his friendly greeting, his earnest speech, at once measured and impetuous, and his scorn of everything narrow, or crooked, or mean."

SCIENTIFIC NOTES AND NEWS.

NOTICE has been received that Professor Theodore W. Richards has been designated by the German government as Harvard visiting professor at the University of Berlin for the academic year 1906-7. Professor Richard's term of service will probably fall in the second semester.

DR. THOMAS A. JAGGAR, Jr., professor of geology at the Massachusetts Institute of Technology and assistant professor at Harvard University, sailed for Europe on April 12 to visit the scene of the present eruption

of Vesuvius. His special object is to study volcanic phenomena along certain lines of observation which he followed at Mt. Pelée in 1902, and to make a collection of rocks, volcanic deposits and photographs. Professor Jaggar has undertaken this expedition at the request of Mr. Alexander Agassiz, and has been granted six weeks' leave of absence for the purpose.

DR. WILLIAM H. WELCH, professor of pathology at the Johns Hopkins University, has been elected an honorary member of the *Gesellschaft der Aertze* of Vienna.

PRESIDENT WILLIAM F. SLOCUM, of Colorado College, has been elected a member of the board of the Carnegie Foundation for the Advancement of Teaching in succession to the late President Harper.

THE title of emeritus professor of zoology has been conferred by the University of London on Professor E. Ray Lankester, director of the British Museum of Natural History.

THE Paris Geographical Society has awarded a gold medal to Major C. H. D. Ryder for his geographical work in connection with the Tibet Mission.

WE learn from *The Harvard University Gazette* that the Société Asiatique of Paris recently elected Professor Charles Rockwell Lanman, of Harvard, an honorary member. The society was founded in 1821, and its honorary list numbers twenty-nine. At the same meeting, the like distinction was conferred upon the assyriologists, Delitzsch of Berlin and Pinches of the British Museum, Rhys Davids, the historian of Buddhism, the Sanskritist Pischel of Berlin, and the well-known Bible critic, Wellhausen. The Royal Society of Sciences of Göttingen, Prussia, founded 1751, has also elected Professor Lanman to membership. Four other Americans now share the same honor: Mr. Alexander Agassiz and Professor Gross, of Harvard, Professor Simon Newcomb, of Washington, and Professor Penfield, of Yale.

PROFESSOR RAPHAEL MELDOLA, F.R.S., professor of chemistry at Finsbury Technical College, has been made an *Officier de l'Instruc-*

tion Publique of France by the French Minister of Public Instruction for services rendered in connection with the foundation of the Alliance Franco-Britannique, of which organization he is the honorary secretary.

ANNOUNCEMENT is made in the *Harvard University Gazette* that Professor Richards has recently received an additional grant of \$2,500 from the Carnegie Institution at Washington, and Assistant Professor Baxter one of \$1,000.

THE Academy of Sciences in Munich has made a grant of 500 Marks to Professor Oscar Schultze, of Würzburg, for an investigation of the minute anatomy of the electrical organs of fishes, and a grant of 2,500 Marks to Dr. Rosz, curator of the Botanical Museum at Munich, for zoological and botanical studies in Central America.

At the British Meteorological Office Mr. R. G. K. Lempfert, M.A., has been appointed superintendent of the statistical branch; Mr. Ernest Gold, B.A. (Cambridge), third wrangler, 1903, and natural sciences tripos, 1904, has been selected for appointment as superintendent of the instruments branch.

DR. ANDING, professor in the University of Munich, has been appointed director of the observatory at Gothe.

DR. PAUL GUTHNICK, of Bothkamp, has been appointed astronomer in the Royal Observatory at Berlin.

It is announced that Professor von Recklinghausen, who has been head of the Pathological Institute of the University of Strasbourg since it was constituted a German university, will retire at the end of the current semester. Professor von Recklinghausen is in his seventy-third year.

MR. M. L. FULLER, of the Division of Hydrology of the United States Geological Survey, gave a course of lectures at the University of Chicago during the week beginning April 2, on the hydrographic and hydrologic work of the survey, including stream measurements, flood studies, studies of underground waters, investigations relating to the quality and uses of water, and the engineering work of the Reclamation Service.

THE fourteenth 'James Forest' lecture of the British Institution of Civil Engineers will be delivered by Mr. R. A. Hadfield on May 2, the subject being 'Unsolved Problems in Metallurgy.'

A COMMITTEE has been formed to raise a memorial to the late Professor von der Goltz, formerly director of the Bonn-Poppelsdorf Academy. A marble bust will be erected in the academy and scholarships will be established.

WE learn from *The Auk* that Dr. Paul Leverkühn, a corresponding fellow of the American Ornithologists' Union, died suddenly of pneumonia at Sophia, Bulgaria, on December 5, 1905, in the thirty-ninth year of his age. He was a private secretary to the Prince of Bulgaria, and director of his scientific institutions and library. He was the author of a large number of ornithological papers, many of them bibliographical and biographical. Among the latter may be mentioned his biography of the three Naumanns in the first volume of the new edition of Naumann's 'Vögel Deutschlands,' later issued separately.

THE death is announced of Dr. H. Lorber, associate professor of physics in the University of Bonn.

THE annual meeting of the American Social Science Association will be held in New York City on May 2-4.

At a meeting held at Chicago, on March 31, an organization was effected of the State Geologists of the Mississippi Valley. Messrs. Lane, of Ohio; Norwood, of Kentucky; Blatchley, of Indiana; Buckley, of Missouri; Haworth, of Kansas; Bain, of Illinois, and Assistant State Geologist Bownocker, of Ohio, were present. W. S. Blatchley was made chairman and H. F. Bain secretary. It is proposed to arrange for field conferences from time to time and for the frequent interchange of reports and notes of progress among the members of the association. It is expected that through friendly criticism and advice the work of the various surveys may be unified and improved.

THE third annual meeting of the Botanical Symposium will be held from July 2 to 9, at Mountain Lodge, Little Moose Lake, Old Forge, N. Y. Through the courtesy of the members of the Adirondack League Club, the privilege of occupying the Club House for one week is extended to the members of the conference. Tickets should be bought to Fulton Chain Station on the Adirondack Division of the N. Y. C. & H. R. R. Single fare from New York City \$6.46. Board \$2.50 to \$3.00 a day. Stages will meet the party at Fulton Chain Station. Botanists are requested to notify Mr. Joseph Crawford, secretary, 2824 Frankford Avenue, Philadelphia, Pa., if they intend to attend the symposium.

IN an account of the recent jubilee of the Academy of Science at St. Louis, it was stated that this academy was the oldest body of its kind west of the Alleghenies. A correspondent reminds us that the California Academy of Sciences was organized on May 16, 1853, and celebrated its fiftieth anniversary nearly three years ago.

Nature states that the government of India has decided, with the approval of the secretary of state, to establish an institute in India as a center for practical instruction of medical officers and subordinates in the use and management of Röntgen ray apparatus, and as a depot for the storage and repair of such apparatus. The institute will be located at Dehra Dun, and will be under the superintendence of an officer of the Indian Medical Service.

UNIVERSITY AND EDUCATIONAL NEWS.

WE learn from *The Evening Post* that the report of the royal commission of the University of Toronto recommends that financial support of \$275,000 a year be given by the province, and an endowment of at least one million acres of land.

It is said that the failure of the legislature to appropriate \$50,000 to the Johns Hopkins University will delay indefinitely its removal to the new suburban site.

THE cornerstone of the engineering building for the University of Tennessee will be laid on April 23.

THE Chemical Laboratory of the Johns Hopkins University has been remodeled in part, so as to accommodate the growing number of graduate students in the various branches of chemistry. A part of the second story has been divided into six smaller rooms adapted to advanced students carrying on research. These rooms will be occupied by those who are working in physical chemistry. This new arrangement will relieve the congestion which had gradually come to exist in the laboratories originally designed for organic chemistry, due to the fact that more and more space had to be provided in them for the work in physical chemistry. The three divisions of chemistry—organic, inorganic and physical—will each have its own separate quarters, but they will all be closely related, as in the past.

THE Grand Trunk Railway is offering two free scholarships, covering four years' tuition in the faculty of applied science of McGill University, subject to competitive examinations, to apprentices and other employees of the company under twenty-one years of age, and to minor sons of employees.

THE University of Southern California at Los Angeles, Cal., will elect an assistant in the department of botany for next year at a salary of about \$700. The botanical and zoological laboratories, recently completed, have now been furnished throughout, and the new equipment has been received.

AT a recent meeting of the board of trustees of Indiana University, Dr. E. R. Cumings was promoted to the position of associate professor of geology, and Dr. J. W. Beede to that of assistant professor of geology.

PROFESSOR E. A. Minchin has resigned the Jodrell chair of zoology of University College in view of his appointment to the new chair of protozoology in the University of London. The council of University College will shortly proceed to fill the vacancy in the Jodrell chair of zoology thus created.

DR. C. VON WISSELINGH, of Amsterdam, has been appointed professor of mathematics at Groningen.