

## SCIENTIFIC NOTES AND NEWS

DR. WILLIAM H. WELCH, professor of pathology in the Johns Hopkins University, has been elected president of the American Medical Association.

PROFESSOR E. W. MORLEY has been elected honorary president and Dr. W. H. Nichols acting president of the Seventh International Congress of Applied Chemistry, which has accepted the invitation extended by the congress through the president and the secretary of state, to meet in this country in 1912.

MR. ORVILLE WRIGHT and Mr. Wilbur Wright were presented on June 19 with the gold medal authorized by congress, a medal on behalf of the state of Ohio and a medal on behalf of the city of Dayton.

GOVERNOR SLOAN, of Arizona, has appointed, as territorial geologist, William P. Blake, Sc.D., emeritus professor of geology in the University of Arizona.

PROFESSOR F. W. PUTNAM has been appointed professor emeritus of anthropology in the University of California.

THE University of Pennsylvania has conferred its doctorate of laws on Dr. Charles B. Penrose, formerly professor of gynecology at the university.

BROWN UNIVERSITY has conferred its doctorate of science on Dr. C. V. Chapin, professor in the Harvard Medical School and superintendent of public health in Providence; on Mr. J. B. F. Herreshoff, the chemist of New York City, and on Dr. W. C. Gorgas, of the Isthmian Canal Commission. Dr. Gorgas has also received the doctorate of laws from Jefferson Medical College.

DR. GEORGE E. MACLEAN, president of the Iowa State University, gave the commencement address at Syracuse University and the degree of doctor of laws was conferred on him.

THE University of Glasgow has conferred its doctorate of laws on Dr. C. S. Sherrington, professor of physiology at Liverpool and on Mr. W. H. Maw, editor of *Engineering*.

THE senate of the University of Michigan has presented Dr. Angell with an address en-

grossed in parchment and bound in silver covers with symbolic designs.

A COMMITTEE has been formed in Dublin to present Professor Fraser with some token of respect on the completion of his twenty-five years as professor of anatomy in the school of the Royal College of Surgeons in Ireland.

DR. ANDREW WALKER MCALESTER, professor of surgery and dean of the School of Medicine of the University of Missouri, has resigned from the faculty of the school with which he has been connected since 1873.

PROFESSOR JOHN CLELLAND, of the University of Glasgow, who has held the chair of anatomy since 1877, and Professor William Jack, who has held the chair of mathematics in the same institution since 1879, are about to retire from active service.

DR. W. P. MASON, professor of chemistry in the Rensselaer Polytechnic Institute, has been elected president of the American Waterworks Association for the meeting to be held next year in New Orleans.

THE Harben gold medal for eminent services to the public health, has been awarded to Professor E. von Behring, of Marburg, and Lieutenant-Colonel W. B. Leishman, professor of pathology, Royal Army Medical College, has been appointed the Harben lecturer for the year 1910, and Professor Angelo Celli, of Rome, the Harben lecturer for the year 1911. The Harben lectures for 1909 were delivered by Professor R. Pfeiffer, of Breslau, on June 21, 23 and 25.

LIEUTENANT EDWARD H. SHACKLETON arrived in England on June 10. He will address a meeting of the Royal Geographical Society at the Albert Hall on June 28, when the special gold medal of the society will be presented to him by the Prince of Wales. At a luncheon given in his honor at the Royal Geographical Society on June 15, Lieutenant Shackleton announced that he contemplated another Antarctic expedition at an early date.

A CABLEGRAM to the daily papers states that Professor T. C. Chamberlin, Dr. E. D.

Chamberlin and Mr. R. T. Burton have returned to Peking, after investigations on behalf of the University of Chicago, of China's material and intellectual resources and the possibility of American cooperation in developing education in China.

DURING the present season the Oklahoma Geological Survey will carry on two lines of investigation. Professor D. W. Ohern will have charge of a party in the oil fields in the northeastern part of the state, investigating the occurrence of clay, cement rock, building stone and other structural material in that region. Mr. L. L. Hutchinson, assistant director of the survey, will have charge of investigations on asphalt in southern Oklahoma.

PRESIDENT WHITNEY has appointed the following committee to represent the American Chemical Society in connection with the Hudson-Fulton celebration: M. T. Bogert, *Chairman*, New York; L. H. Baekeland, Yonkers; W. G. Tucker, Albany; M. A. Hunter, Troy; Edward Ellery, Schenectady.

MR. WILFRED H. OSGOOD, of the U. S. Biological Survey, has accepted a position as assistant curator of mammalogy and ornithology in the Field Museum of Natural History of Chicago and will take up his new duties on July 1.

DR. S. A. BARRETT has been appointed to the curatorship of anthropology of the historical department of the Public Museum of the city of Milwaukee. An addition to the building, covering about 19,000 square feet and four stories in height, exclusive of basement which will contain a large lecture hall and assembly rooms, is now being erected.

MR. WILLIS L. MOORE, chief of the Weather Bureau, is at present in England.

DR. H. D. REED, assistant professor of neurology and vertebrate zoology in Cornell University, will leave this country on July 22 for study in Europe. He will be absent about a year and a half. Six months of this time will be spent at the Naples Marine Laboratory and a year at Freiburg.

MR. L. C. SNIDER, A.M., University of Indiana, who was recently elected to a position of

chemist of the Oklahoma Geological Survey, will spend the summer at the United States Geological Survey testing laboratories at Pittsburg, Pa., conducting a series of tests on Oklahoma clays.

MRS. ELLEN H. RICHARDS, of the Massachusetts Institute of Technology, who is to preside at Denver at the sessions of American Home Economic Association, is to deliver an address before the Western Association of Technical Chemists and Metallurgists on "The two modern dragons—bad air and dust." From there she will go to the University of California to deliver two courses of lectures on eugenics and sanitation.

A PORTRAIT of the late George Chapman Caldwell, professor of chemistry at Cornell University, has been painted, for presentation to the university by his colleagues and former students. Dr. Andrew D. White made the presentation address and Dean Crane received the portrait on behalf of the university.

A MONUMENT in honor of the eminent surgeon Mikulicz, who died in 1905, has been unveiled in Breslau with an address by his successor Professor Küttner.

AT a meeting of subscribers to the statue of Lord Kelvin for Belfast, held on June 2, it was resolved unanimously that the statue be erected in the grounds of the city hall instead of in the grounds of Queen's University.

THE twenty-sixth annual convention of the American Institute of Electrical Engineers will be held at Frontenac, Thousand Islands, N. Y., from June 28 to July 1, under the presidency of Mr. Louis Ferguson, of Chicago.

THE people of Honolulu already have pledged half of the money asked for by the Massachusetts Institute of Technology for the maintenance of an observatory which the institute proposes to establish at the Brink of Kilauea for the study of volcanic action. Professor T. A. Jaggar will spend the summer there.

THE department of geology at the University of Michigan has received from Professor Dean C. Worcester, Secretary of the Interior

for the Philippine Islands and at one time a member of the faculty of the university at Ann Arbor, the gift of a unique collection of photographs of the volcanoes in the Philippine Islands. These excellent photographs, more than two hundred in number, have been taken mainly by Professor Worcester himself in connection with his many journeys through the islands, and for the most part are of volcanoes which have never before been photographed. Among them are a considerable number of prints of a volcano 1,600 feet in height, which in 1871 was suddenly thrown up over a fissure in a level plain only 400 yards distant from the town of Catarman on the Island of Camiguin, north of Mindanao.

MR. ZACCHEUS DANIEL, of the Princeton Observatory, discovered a comet June 15<sup>d</sup>.80 Greenwich mean time, in R. A. 1<sup>h</sup> 39<sup>m</sup> 54<sup>s</sup>, Dec. +28° 55'. The comet is visible in a small telescope. "Motion rapidly northerly."

DR. EDWIN B. FROST, director of the Yerkes Observatory and managing editor of the *Astrophysical Journal*, announces that the subscription price of the journal has been increased from four to five dollars. He writes: "It is obvious that a periodical of a strictly scientific character like the *Astrophysical Journal*, even though conducted without expense for contributions or for editorial or clerical assistance, can not be self-supporting. The large number of costly illustrations, which are necessary to properly elucidate the text and to place before the reader as nearly as possible the author's original scientific evidence, constitute a large item of expense, which has been increased very materially of late by concerted action of engravers. The considerable amount of tabular matter accompanying many of the articles also adds largely to the cost. In spite of the use of monotype composition for much of the text, the cost of manufacture has been gradually increasing, in accordance with the general tendency toward higher prices. The point has been reached where a reduction in the size of the journal and in the average number of illustrations must be made, or the subscription price be increased. The annual deficit of the

journal has been met by a subsidy from the University of Chicago, which in the last two years has been \$2,000. An increase in this subsidy can not be requested. With the advance in subscription price it is expected that the size of the journal and the number of illustrations will be maintained as during recent years. A careful comparison, in respect to amount of text and illustrations, has been made with all the principal contemporaries of the *Astrophysical Journal*, both foreign and domestic. This shows that even after the present advance, the journal will be relatively cheaper than other periodicals of its class."

AN investigation as to the practicability of reforesting the great areas of forest lands which have been devastated by fire and which are now lying barren and unproductive is now being carried on by the United States Forest Service in the Olympic National Forest in Washington. The area selected for the experiments comprises several thousand acres on the Soleduck River, and was at one time covered with a magnificent forest of Douglas fir. It was first burned over in 1890 and again in 1895. A third fire over almost the same area occurred in 1906, destroying the last remnant of the original forest, leaving the entire area treeless. In some regions a second growth of trees will come in naturally after a burn, in the course of a few years time, and where this happens artificial means of securing reproduction is not necessary. There are, however, other burns, where new growth does not come in readily, due to the adverse climatic conditions, absence of seed trees, or perhaps to the impoverishment of the soil by repeated fires. These areas are often of very large extent and in such cases some means, such as planting trees or sowing seed, is necessary to restore the forest. The burn in the Olympic Forest is of this nature and the Forest Service is planning to conduct a series of experiments to determine the proper methods of reforesting the area. Douglas fir will be the species used. It is believed that on the greater part of the area simply scattering the seed over the ground in the fall before the

snow falls or in the early spring will be sufficient to start a new growth. On other portions of the area, however, where a growth of grass and weeds has covered the ground, it will probably be necessary to work the seed into the soil by raking or dragging brush over the ground. In some localities sowing by what is called the seed spot method in which several seeds are dropped together in spots and covered with soil will probably be successful. To test these various methods five experimental plots have been selected. These represent the various conditions found on the burn, such as difference in slope, altitude, exposure and vegetation. This fall a large quantity of Douglas fir seed will be collected and a quantity sown on each plot. Next spring the experiments will be repeated and it is expected that the results obtained will indicate what methods and what seasons of the year are best adapted to the conditions found on this burn. When this is accomplished the Forest Service will be in a position to commence the reforestation of the Soleduck burn on a large scale and to reseed large areas each year. It is believed also that the results obtained will be of value not only in solving the problem of restocking the burn in the Olympic National Forest, but that much will be learned concerning the best methods of reforesting denuded areas in other forests throughout the Pacific northwest, where conditions are similar, and that thus the work may be largely extended.

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#### UNIVERSITY AND EDUCATIONAL NEWS

THE University of Wisconsin, the University of Michigan, the University of Minnesota and the University of Toronto have been admitted to the regular pension system of the Carnegie Foundation for the Advancement of Teaching.

MR. JOHN D. ARCHBOLD has given \$300,000 to Syracuse University, to pay the mortgage on the ground of the university which was placed in order to build the gymnasium.

SWARTHMORE COLLEGE will receive \$125,000 from the General Educational Board, providing the sum of \$375,000 is raised within

two years by the college. The sum of \$187,500 has already been subscribed.

DR. C. T. WILLIAMS, of Pembroke College, has given £2,500 to Oxford University for scholarships in physiology and human anatomy.

THE School of Mining affiliated with Queen's University in Kingston, Ont., is about to erect a new chemical building which will cost nearly one hundred thousand dollars and will probably be ready for occupation in October, 1910. In the meantime, indeed very soon, two or three appointments to the teaching staff will be made. A building for mining and metallurgy will also be put up at a probable cost of fifty thousand dollars. It is the gift of a member of the staff of the school, Professor Nicol, of the department of mineralogy. The chemical building is provided by the Ontario government.

THE department of zoology and geology at the Massachusetts Agricultural College will this year conduct a ten days' camp at the seashore for introductory work in marine zoology. The camp will be established at Groton, Connecticut, at the mouth of the Poquonnock River. Work will begin at the close of the college year. The department thus aims to supplement its courses in general and economic zoology. The work will consist mainly in the study of habits, habitats and ecological problems, in collecting for study, dissection and preservation and in photographic work. The privileges of the excursion are open to students of elective undergraduate courses. Reports will be required and credit will be given for the work as a part of the undergraduate courses. The work will be in charge of Professor C. E. Gordon.

THE Rev. Henry H. Appel, of York, has been elected president of Franklin and Marshall College, at Lancaster, Pa. Mr. Appel is a son of the late Thomas G. Appel, who was president of the college for many years.

DR. HAROLD PENDER, of New York City, has been appointed professor of electrical engineering in the Massachusetts Institute of Technology.