

o'clock. All interested are cordially invited to attend them.

THE committee on the Mary Putnam Jacobi fellowship announces that \$8,000 of the \$25,000 required has been raised. The fund is expected to provide an income of \$1,000, whereby efficient aid may be rendered to post-graduate women students in medicine. The Women's Medical Association of New York City invites the cooperation of all who desire to further the higher medical education of women in medicine. The treasurer of the association is Dr. Eleanor Tomes, 136 East Thirtieth street.

PROFESSOR CHARLES STEWART, F.R.S., for the past twenty-three years conservator of the museum of the Royal College of Surgeons of England, died on September 27. He was also for a long time Hunterian professor of human and comparative anatomy at the college, and had been Fullerian professor of physiology at the Royal Institution.

THE Berlin Cancer Institute, which is under the direction of Professor von Leyden, is to be considerably enlarged. New laboratories for the investigation of cancer will, it is announced, be built in a house in the neighborhood of the Charité Hospital.

THE New England Federation of Natural History Societies met in Portland, Me., on Friday and Saturday, October 4 and 5. The federation was the guest of the Portland Society of Natural History, an old association of which Stimpson, Mighels, Fuller and Morse were earlier members. About twenty delegates were present, representing as many of the affiliated associations. Exhibits were shown by the Appalachian Mountain Club of Mount Washington flora; Dr. D. W. Fellows, ferns and grasses of Maine; Mrs. J. H. Lewis, moths of Maine; Fairbanks Museum, St. Johnsbury, Vt., alpine plants; J. H. Emerton, Boston, spiders; Miss Cherrington and Miss Clapp, of Boston, mosses of New England, and others. The meeting of Friday evening was by the Portland society, with President Leslie A. Lee, of Brunswick, in the chair, Major J. W. Boyd (archeology) and J. H. Emerton

(spiders) being the speakers. On Saturday evening the meeting was of the federation, with Miss Delia I. Griffin, of St. Johnsbury, on the relations between the small museum and the school children, and Miss M. Edna Cherrington on mosses. On Saturday afternoon a joint outing of the society and the federation made a trip to the shore, where more than a score of unusual species were found in the tide-pools. On Sunday, on invitation of Professor Lee, the delegates visited the museums and laboratories of Bowdoin College. The president of the federation is John Ritchie, Jr., and the secretary, J. H. Emerton, both of Boston. The annual meeting of the federation is set for April, in Boston, and a special meeting will be convened the first week in July on the summit of Mount Washington, where an unusual opportunity will be afforded to study the fauna, flora, topography and geology of the presidential range.

THE seventh Annual Conference of the Sanitary Officers of the State of New York, under the auspices of the New York State Department of Health, will be held at Buffalo from October 16 to 18. There will be an opening address by Dr. Eugene H. Porter, commissioner of health, and by Governor Hughes. A number of papers of scientific importance will be presented during the six following sessions of the congress.

UNIVERSITY AND EDUCATIONAL NEWS

MR. JOHN D. ROCKEFELLER has undertaken to triple gifts made for the memorial library to be erected at the University of Chicago in honor of William Rainey Harper. The sum of \$110,000 has been subscribed for the memorial from various sources, and Mr. Rockefeller has given \$330,000. He will triple further gifts, not exceeding \$90,000, thus making his total contribution \$600,000.

PROFESSOR JOHN HAYES HAMMOND has given an additional \$5,000 for the further equipment of the Hammond Metallurgical Laboratory of the Sheffield Scientific School of Yale University. This makes Professor Hammond's gift to the laboratory \$127,000. The Sheffield Sci-

entific School has also received a gift of \$1,000 a year, for ten years, from an anonymous donor, a member of the class of '95 S., to be used for the course in commercial geography.

THE Johns Hopkins University has received \$20,000 by the will of the late Miss Frances Wilson, of New York.

MRS. GEORGE E. WHEELOCK has given \$5,000 to Columbia University as a fund in memory of her late husband, the income to be applied to the benefit of the Department of Physiology. Columbia University has also received \$5,000 from Mr. Bernard M. Baruch for the Vanderbilt Clinic.

MR. ANDREW CARNEGIE has given £10,000 towards the establishment of a technical college at Aberdeen.

THE board of regents of the University of Kansas have recently let the contract for the first of a group of five new buildings for the School of Engineering. Two more buildings of the group will be started next year, when the money appropriated by the legislature becomes available. The Robinson Gymnasium, erected at a cost of \$100,000, was opened for use on October 10.

THE new laboratories of the scientific departments of the College of Liberal Arts of Boston University have been opened in the building formerly occupied by the Harvard Medical School and adjoining the Public Library. The top floor is occupied by the departments of astronomy, physics and mathematics, and comprises large and small lecture rooms, laboratories and offices; a large part of the basement is also given over to physics. The chemical and the biological departments occupy the second floor, and consist of large, admirably-lighted class laboratories, private laboratories and store rooms, professors' rooms and an amphitheater for the larger classes. The two domes for the telescopes of the astronomical department are situated on the roof and are not quite completed. The equipment of all the laboratories is new and was purchased in part by special funds donated to the university for that purpose. A large passenger elevator makes all the floors

of the building readily accessible. The scientific departments are under the same directors as last year: Professor J. B. Coit in astronomy and mathematics; Professor N. A. Kent in physics; Professor L. C. Newell in chemistry, and Professor A. W. Weyssie in biology.

WESTERN RESERVE UNIVERSITY is one of the three institutions in the United States requiring for entrance to its medical department the equivalent of three years in a standard college of arts or science. The four years' course includes required, systematic work in the laboratories of anatomy and histology, pathology, physiology, bacteriology, pharmacology and clinical microscopy. Since instituting the high college requirement for admission, only laboratory work in advanced and physiological chemistry under the charge of the departments of physiology and biochemistry has been given in this school. The five-story building now being erected will provide laboratories for the new department of experimental medicine established by the Payne-Hanna gift of \$200,000. Alterations and improvements have been completed at Lakeside Hospital, one of the hospitals affiliated with Western Reserve University.

THE plan of reorganization of the School of Agriculture of the Pennsylvania State College provided for the separation of the collegiate instruction in agricultural chemistry and the work of investigation in that field of science, the two departments thus formed being designated respectively as the department of agricultural chemistry and the department of experimental agricultural chemistry. It has already been announced that the latter portion of the work has been retained by Professor Frear, who, it is expected, will also offer some post-graduate courses of instruction. It is now announced that the professorship of agricultural chemistry has been filled by the election of Professor Charles Lyndall Penny, A.M., lecturer in agricultural chemistry to the Delaware Agricultural College, and for many years chemist to the Delaware Experiment Station. Margaret B. MacDonald, Ph.D., (Bryn Mawr) has been appointed to the position of instructor in agricultural chemistry.

THE chair of assaying in the Massachusetts Institute of Technology, vacant by the resignation of Professor Richard W. Lodge to become a consulting engineer, has been filled by the appointment of Professor Edward E. Bugbee, who graduated from the institute in 1900, and has since been teaching in the University of Iowa and the University of Washington.

THE chair of mathematics at the Thomas S. Clarkson Memorial School of Technology, Potsdam, N. Y., has been filled by the appointment of Samuel G. Barton, Ph.D. (Pennsylvania), Harrison fellow at the University of Pennsylvania, 1905-1906, and research fellow in astronomy, 1906-1908.

DR. LEON J. COLE, chief of the division of animal breeding and pathology of the Rhode Island Experiment Station, has been appointed instructor in zoology in Yale University. Lorange Loss Woodruff, Ph.D. (Columbia), instructor in Williams College, has been appointed instructor in biology at the same institution. Mr. Henry J. Spencer, of Syracuse University, succeeds Dr. Woodruff as instructor in biology at Williams.

DR. FRANK PIERPONT GRAVES, of the University of Missouri, has been appointed professor of the history and principles of education at the Ohio State University. Dr. Guy Montrose Whipple, assistant professor of education at Cornell University, has been appointed acting professor of education at Missouri.

THE following new appointments have been made at the University of Kansas: F. H. Billings, associate professor of botany; Adolf Zeifle, assistant professor of pharmacy; J. E. Todd, assistant professor of geology; H. L. Jackson, assistant professor of chemistry; P. A. Glenn, assistant professor of entomology; Charles Oshwald, instructor in mechanical engineering; J. B. Carter, instructor in physiology; Burton McCullum, instructor in physics; Frank Rupert, assistant instructor in chemistry; Thomas Haslam and Florence Hazen, assistants in chemistry; W. A. Starin, instructor in botany; W. B. R. Robinson, assistant instructor in zoology. Associate

Professor M. E. Rice has been made acting head of the department of physics; the chair of physics is vacant and will probably be filled some time during the year.

AT Washington and Lee University, the Rev. J. Howerton, D.D., has been made professor of philosophy in the place of Dr. A. Quarles, who died in April; and Dr. Thomas K. Urdahl, Ph.D. (Wisconsin, '97), professor of political and social science in Colorado College, has been elected to the chair of political economics and political science, vacant by the removal of Dr. H. T. Willis to the George Washington University. The other changes in the teaching corps are among the assistants, most of whom are changed annually. In physics, Frederic Bartenstein becomes head assistant, with E. K. Paxton and R. W. Dickey as junior assistants. In chemistry, Wm. H. Marquess is head assistant, with A. P. Lee, E. H. Deets and A. W. Lybrand as junior assistants. In biology, W. P. Hooper is assistant. In engineering, E. A. Hoge is assistant. In mathematics, R. Ragland and J. W. Addison are assistants. Of this list Messrs. Bartenstein, Marquess and Lee are reappointments.

THE following changes occur in the Scientific Department of the University of Maine this year: W. D. Hurd promoted from acting dean to dean of the College of Agriculture; L. H. Merrill, professor of biological and agricultural chemistry; C. P. Weston promoted to professor of mechanics and drawing; Dr. M. A. Chrysler, associate professor of botany; C. B. Brown, promoted to assistant professor of civil engineering; Herman Beckenstrater, assistant professor of horticulture; J. E. McClintock, in charge of the agricultural extension work; W. M. Curtis, assistant professor of mechanical engineering; H. R. Willard, promoted to an assistant professorship of mathematics; D. J. Edwards, promoted to an instructorship in botany; P. L. Bean, L. I. Johnstone, and A. R. Lord, instructors in civil engineering; R. E. Clayton, J. Seymour and W. F. Washburn, instructors in chemistry; H. W. Bearce promoted to an instructorship in physics; C. C. Murdock, tutor in physics; and C. S. Winch, taxidermist in the museum.