

ages, or bottled or sold in bulk as table waters. It is because of the economic value of the individual springs that the eastern counties are so well represented in the spring records kept by the United States Geological Survey and published in Water Supply and Irrigation Paper No. 102, entitled 'Contributions to the Hydrology of Eastern United States, 1903.' Analyses are given of spring waters at South Wellfleet, Danvers, Arlington, Chelmsford, Coldspring, Framingham, Quincy, Sharon, Hanson, Hingham, Marshfield, Norwell, Scituate, Whitman and Hubbardston. Many interesting details are also added regarding the characteristics of these various waters. Owing to the cooperation of Mr. F. A. Champlin, a driller, the records of Massachusetts wells are also unusually complete. It is hoped that other drillers in this state and other states may care to keep a record of the wells they drill, and be willing to supply the survey with data showing the date on which each well was drilled, the situation of the well, how the water was obtained, the depth of the open portion of the well, the depth of the drilled portion, the total depth of the well, the depth to water, the depth to rock, the supply per minute, the use to which the water is put, and the cost of the work.

UNIVERSITY AND EDUCATIONAL NEWS.

IN his last report President Eliot recommends the collection of \$2,500,000 as an endowment for the college of Harvard University, and it is said that the alumni are making efforts to collect this sum before the next commencement day. The class of 1880 expects to contribute \$100,000 on the occasion of its twenty-fifth anniversary.

MR. ANDREW CARNEGIE has given to the Rensselaer Polytechnic Institute at Troy \$125,000 toward rebuilding the main building which was burned last June. He has also given \$100,000 to Tufts College for the erection of a library building.

THE trustees of Stevens Institute of Technology in Hoboken have decided to proceed with the construction of the proposed Morton Memorial Chemical Laboratory as soon as possible. The sum of \$91,000 has been raised

and \$4,000 is available in unpaid subscriptions. It had been planned to spend \$100,000 for the building and site. The proposed building will contain a memorial room in which will be placed souvenirs of the late president and other members of the faculty who have died.

COLUMBIA UNIVERSITY has established a course in chemical engineering leading to the degree of chemical engineer. The university has received a gift of \$10,000 to equip a laboratory of electro-chemistry.

MR. EDWARD WHITLEY, of Trinity College, Oxford, has given £1,000 to the university towards the endowment of a chair of pathology.

THE Johnston Scholarships, founded at the Johns Hopkins University by the late Mrs. Harriet Lane Johnston, in memory of her husband and two sons, have been awarded for the current academic year as follows: The Henry E. Johnston scholarship to Solomon Farley Acree, B.S. (Texas), Ph.D. (Chicago), in chemistry; the James Buchanan Johnston scholarship to Henry S. Conard, A.M. (Haverford), Ph.D., in botany; the Henry E. Johnston, Jr., scholarship to Isaac Woodbridge Riley, A.B., Ph.D. (Yale), in philosophy. The stipend of each of these scholarships is the income of \$30,000. They are offered primarily to young men who have given evidence of the power of independent research, and the holders are expected to devote themselves to advanced study and to research in the Johns Hopkins University.

MR. OMAR RAY GULLION has resigned his position as assistant in physiology at the University of Missouri to accept an instructorship in pharmacology at Cornell University.

THE University of Wisconsin will next year give instruction in meteorology under Mr. James L. Bartlett, observer at the University station of the U. S. Weather Bureau.

THE new chairs of helminthology and protozoology at the London School of Tropical Medicine have been filled by the appointment of Mr. Robert Thomson Leiper to the former and Mr. W. S. Perrin to the latter.