

IN the *Atlantic Monthly*, Mr. Percival Lowell, in the third of a series of papers on the planet Mars, takes up the subject of the canals and discusses their artificial appearance.

THE death is announced, in Underhill, near Matadi, on the Congo, of Mr. E. J. Glave, the African explorer.

WILLIAM C. WILLIAMSON, LL.D., F. R. S., emeritus professor of botany in Owens College, Manchester, died at London on June 23rd, at the age of seventy-eight years.

#### UNIVERSITY AND EDUCATIONAL NEWS.

HARVARD UNIVERSITY has this year awarded 664 degrees distributed as follows: A. B., 363; S. B., 24; M. D. V., 10; D. D. M., 17; M. D., 65; LL. B., 76; D. B., 6; A. M., 85; Ph. D., 16; S. D., 3.

At a meeting of the board of trustees of Cornell University, June 20th, the following assistant and associate professors were promoted to full professorships: H. S. Gage, anatomy, histology and embryology; E. B. Tiechener, psychology; J. E. Creighton, logic and metaphysics; G. W. Jones, mathematics; R. C. Carpenter, experimental engineering; C. L. Crandall, civil engineering; W. F. Durand, marine engineering; H. J. Ryan, electrical engineering. John H. Barr was made associate professor of machine design.

To meet the needs of the recent reorganization of Columbian University, it is proposed to collect \$75,000 to be expended at the rate of \$15,000 a year. Of this amount \$27,500 has been subscribed, including \$5,000 each from Gardiner G. Hubbard, Eugene Levering and S. W. Woodward.

THE graduating classes of Cornell University contained 363 students. The A. M. degree was conferred on 33 candidates, Sc. D. on 6 candidates and Ph. D. on 13 candidates.

At the commencement exercises of Smith

College, on June 18th, it was announced that two sums of \$5,000 each had been given to the college by donors whose names were withheld.

AT Amherst State College L. S. Metcalf has been appointed professor of mathematics, physics and engineering and G. E. Stone professor of botany.

UNION COLLEGE celebrated the one hundredth anniversary of its foundation on June 28th.

AT Williams College George A. Hunter has been appointed assistant in biology and Willis J. Milham instructor in physics.

MRS. JULIA A. IRVINE, who for a year has been acting president of Wellesley College, has accepted the office of president. The degree Litt. D. has been conferred on Mrs. Irvine by Brown University.

DR. V. KRIES, of Freiburg, has been appointed to the chair of physiology in the University of Leipzig, vacant by the death of Ludwig.

DR. NIETZKI has been appointed full professor in the University of Basel, and Dr. N. U. Assing has accepted the professorship of mineralogy in the University of Copenhagen.

DR. ERNST MACH, now professor of physics in the University of Prague, has accepted (according to *The Open Court*) a professorship of the history and theory of inductive science in the University of Vienna.

DR. M. ESCHENHAGEN, in charge of the Royal Magnetic Observatory at Potsdam, has been promoted to a professorship.

#### CORRESPONDENCE.

##### TOPOGRAPHIC METHODS.

GENERALLY speaking, sketched details of topography will compose the largest part of a map, and the question arises: How are such interpolations best made to produce accurate as well as uniform and artistic results?