

there being some eighty now in use. The brigades' cycles are also equipped with sets which are very compact in design. Experience with the system has shown that the switching in of the telephone apparatus in no way influences the telegraph service. During simultaneous telegraphing and telephoning a slight knocking is perceptible in the telephone, which, however, does not destroy the audibility.

#### UNIVERSITY AND EDUCATIONAL NEWS.

THE will of the late Dr. J. M. Da Costa, of Philadelphia, contains generous public bequests, including \$5,000 to the University of Pennsylvania and \$5,000 to the College of Physicians. His medical library is given to the College of Physicians and his medical museum to the Jefferson Medical College.

MR. F. RAVENSCROFT has given 2,000 guineas to the Birbeck Institution, London. Part of the money has been used to provide a metallurgical laboratory.

THE Massachusetts Institute of Technology has established a special course in electro-chemistry which aims "to provide the education requisite for the investigation of the many new problems which the development of novel processes is certain to bring forth, and also to impart the professional skill requisite for the installation, testing, and operation of apparatus and machinery by which electrical energy is applied in chemical, metallurgical, and allied processes. The instruction given, moreover, is of such a broad character, particularly in electricity and chemistry, that a student completing this option should be well prepared to undertake various lines of electrical or chemical work other than electro-chemistry."

ON September 29th President Schurman reported a registration of 2,900 students in Cornell University. Sibley College is reported by the director to have 625 to date.

THE 'Cambridge University Calendar' shows a slight decrease in the number of students as compared with the preceding year. The following table shows the number of students at each college, etc., and also the number who have proceeded to the degree of M. A. or some

higher degree and are members of the Senate and of those who have taken their first degree :

College.	Members of the Senate.	B.A., LL.B., etc.	Under- gradu- ates.	Total.
Trinity.....	2,160	839	676	3,675
St. John's.....	984	328	237	1,549
Gonville and Caius..	411	257	222	890
Pembroke.....	317	280	226	823
Emmanuel.....	364	209	177	750
Christ's.....	360	208	168	736
King's.....	312	253	143	708
Trinity Hall.....	232	184	190	606
Clare.....	276	133	185	594
Jesus.....	211	79	112	402
Corpus Christi.....	257	83	59	399
Peterhouse.....	209	72	55	336
Queens'.....	139	81	98	318
Sidney Sussex.....	133	99	72	304
St. Catharine's.....	103	70	73	246
Magdalene.....	123	41	48	212
Downing.....	98	59	52	209
Selwyn Hostel.....	57	118	84	259
Non-collegiate.....	15	47	108	170
Members of Senate not on college boards.....	202	0	0	202
	6,963	3,440	2,985	13,388

AT Princeton University Elmer H. Loomis has been made full professor of physics and E. O. Lovett full professor of mathematics. Professor Lovett is spending the year abroad.

FRANCIS M. THORPE, instructor in the Wharton School of the University of Pennsylvania, has been called to the chair of commerce and economics in the University of Vermont, recently endowed by Mr. John H. Converse.

DR. VICTOR UHLIG, professor of mineralogy in the Technical Institute at Prague, has been appointed professor of paleontology in the University at Vienna.

A CHAIR of hygiene and bacteriology has been established in the University of Athens. Dr. Savas, formerly staff surgeon of the Greek army, has been appointed professor and director of the Hygienic Institute.

MR. L. R. WILBERFORCE, demonstrator in physics at the Cavendish Laboratory, Cambridge, and university lecturer in physics, has been appointed to the Lyon Jones chair of experimental physics at University College, Liverpool, vacated by acceptance by Dr. Oliver Lodge of the principalship of the University of Birmingham.