

don workman for obtaining technical education in his trade are actually superior to those enjoyed by the German or American workman. Summing up all the evidence, the committee is convinced that the main causes of British failure in the chemical, optical and electrical industries are the following: (a) The lack of scientific training of the manufacturers themselves, and their consequent inability to recognize the importance of scientific assistance; (b) the defective condition of secondary education, and the consequent lack of sufficiently prepared recruits for advanced technological training; (c) the lack of a sufficient supply of young men who have been trained, not only in scientific principles and method, but also in the application of science to particular industrial processes; (d) the lack of any institution providing advanced technological training which is sufficiently equipped and endowed to enable it to give adequate attention to post-graduate or advance work. There is a consensus of opinion that the highest grade of technical education must be carried on in an institution of university rank during the day. The few hours which can be given in the evening by those who are engaged in business during the day are insufficient for training in research.

UNIVERSITY AND EDUCATIONAL NEWS.

MR. JOHN D. ROCKEFELLER has offered to give \$500,000 to Teachers College, Columbia University, on condition that the sum of \$440,000 be collected from other sources—\$190,000 to pay the outstanding debts and \$250,000 for further endowment. It was also announced at the meeting of the trustees on October 23 that the college had received from Mr. and Mrs. B. Everett Macy \$175,800 for the increase of the endowment funds and \$98,709 for the completion of the Horace Mann School.

PRINCETON UNIVERSITY has been made the residuary legatee under the will of the late Mrs. Susan Dod Brown, and will, it is said, receive \$140,000.

At a meeting of the governors of University College, Liverpool, on October 14, it was an-

nounced that the sum of £170,000 had been promised for the endowment of an independent university when created.

LEIPZIG UNIVERSITY will celebrate the five hundredth anniversary of its establishment in 1909.

THE following is a list of appointments in the Scientific Departments of the University of Maine for the present year: Perly F. Walker (University of Missouri, Cornell), professor of mechanical engineering; J. E. Burbank (Bowdoin, Harvard), instructor in physics; Walter Rantenstrauch (University of Missouri), instructor in mechanical engineering; F. H. Mitchell (University of Missouri), instructor in chemistry; H. W. Britcher (Syracuse and Johns Hopkins), instructor in zoology; W. A. Mitchell (Trinity), tutor in physics; H. E. Cole (University of Missouri), tutor in electrical engineering; T. Buck (University of Missouri, Chicago), tutor in mathematics; W. A. Lambert (Harvard), tutor in mathematics; H. H. Hanson (Pennsylvania State College), assistant chemist in experiment station; H. P. Hamlin (University of Missouri), assistant in civil engineering; C. C. Alexander (University of Missouri), assistant in civil engineering.

MISS ALICE W. WILCOX, B.A. (of Vassar), and for two years fellow at Chicago University, has been appointed instructor in zoology at Wellesley College. Miss Frances E. Foote, B.A., of Wellesley College, and lately graduate student at Columbia University, has also been appointed to a partial instructorship. These additions to the department are made necessary partly by increase in number of students and partly by the fact that Miss Mary A. Bowers, senior instructor in the department is this year doing but half work.

M. LIARD has succeeded M. Gréard as vice-rector of the University of Paris.

MR. R. P. GREGORY, of St. John's College, has been appointed demonstrator in botany at Cambridge University.

DR. H. W. THOMAS, of Montreal, has been appointed fellow in pathology at McGill University.