

of the electric process, viz., cheap electric power by means of sufficiently strong water power, will secure a great advantage over other works. Chief Engineer V. Engelhardt, in his work on the Kjellin process, states that it can compete with the Siemens-Martin method, where the kilowatt hour can be put down at about a half cent.

#### UNIVERSITY AND EDUCATIONAL NEWS.

At the University of Wooster the addition to the library is nearing completion. The finished building will represent an expenditure of \$71,000, all of which has been provided by Mr. Henry C. Frick. At the cost of \$80,000, a dormitory is being built which will accommodate ninety young women.

THE University of Nebraska plans to build an engineering hall (costing \$100,000), a horticultural hall (costing \$40,000) and a heating plant for the School of Agriculture (\$40,000). Plans have been made to ask the legislature for an increase in the appropriation for the woman's building so as to make it \$80,000.

MR. JOHN CHARLTON has given \$50,000 to Queens University, Kingston, to endow a chair of moral philosophy.

MR. ANDREW CARNEGIE, lord rector of St. Andrews University, has given £10,000 to build a new university library; he has also given £12,500 to Dundee University College for a physical laboratory.

THE University of Pennsylvania is about to begin a number of special courses, practically constituting a new department, by which school teachers, both men and women, will be able to obtain the regular college degree of bachelor of arts or bachelor of science.

At a meeting of the regents of the University of Nebraska, October 23, the grade of 'head professor' was established and the following appointments under this title were made for the subjects named: G. E. Barber (Latin); L. A. Sherman (English literature); C. E. Bessey (botany); J. T. Lees (Greek); H. W. Caldwell (American history); E. H. Barbour (geology); F. M. Fling (European history); E. W. Davis (mathematics); Lawrence Bruner (entomology); Laurence Fossler

(German); H. B. Ward (zoology); G. W. A. Luckey (education); W. G. L. Taylor (political economy); C. R. Richards (mechanical engineering); O. V. P. Stout (civil engineering); E. A. Burnett (animal husbandry); A. T. Peters (animal pathology); Samuel Avery (chemistry); Roscoe Pound (law); G. E. Howard (sociology). It was further ordered that these 'head professors' should constitute the 'university senate.'

DR. ANDREW F. WEST, professor of Latin at Princeton University and dean of the graduate school, has declined the offer of the presidency of the Massachusetts Institute of Technology made to him by the executive committee of the corporation.

THE following appointments have been made in the department of philosophy in the University of Michigan: Mr. Roy W. Sellars, A.B. (Mich.), sometime fellow of the University of Wisconsin, to be instructor in philosophy; Mr. John F. Shepard, B.S., Ph.D., to be instructor in psychology; Mr. Frank van Vliet and Mr. L. W. Elder to be George S. Morris memorial fellows in philosophy.

MR. SAMUEL W. COLLETT, fellow in botany, State University of Iowa, has been appointed instructor, *ad interim*, in the State College of Washington.

DR. G. H. F. NUTTALL, M.D., F.R.S., fellow of Christ's College and reader in hygiene in the University of Cambridge, has been elected to the newly-created Quick professorship in biology. His duties are to devote himself to the study of the protozoa, especially such as cause disease. Dr. Nuttall was at one time associate in hygiene at the Johns Hopkins University.

MR. W. L. H. DUCKWORTH, M.D., Sc.D., fellow of Jesus, has been appointed demonstrator of anatomy in Cambridge University.

At Trinity College Mr. F. J. Dykes, M.A. (Cambridge), late lecturer in mechanics at the Royal Naval College, Portsmouth, has been elected fellow and lecturer.

MR. J. W. MCBAIN, M.A. (Toronto), has been appointed lecturer in chemistry in University College, Bristol.