

144 and 250 feet, respectively, without reference to several thousand feet of drops from the Indian villages to the Colorado's channel. Many plans have been mooted for developing the marvelous power of the Colorado, a stream which rises as much as 100 feet in flood time within the canyon. Floats equipped with great paddle wheels have been suggested, but it is probable that the river will some day be harnessed by means of tunnels that will 'pick up' the fall of the stream. One such tunnel, at a point near Bass's Trail, and not over half a mile in length, driven through black granite, would cut off 12 miles of river channel, averaging not less than 12 feet of fall to the mile. Dr. A. J. Chandler, of Mesa, Arizona, is engineering the latest Grand Canyon power plant. Dr. Chandler is the manager of the southwestern interests of Bowen & Ferry, the Detroit capitalists, and has made a success of a power-generating plant near Mesa. He has found an ideal location for power-generating works on the Kanab, Wash., not far from its union with the inner canyon of the Colorado about 70 miles north of Williams. It is stated that even 5,000 feet of fall can be found in a distance a little over a mile. The water supply is said to be ample and of remarkable regularity of flow. The only question seems to be that involving the carriage of the necessary heavy machinery down into the canyon and across the river, unless it be hauled southward from some Utah railroad point and lowered over the precipitous cliffs.

UNIVERSITY AND EDUCATIONAL NEWS.

THE University of Toronto has arranged its academic course leading to the B.A. degree, so that when the student has completed four years of work he may have fulfilled the requirements of the first two years of medicine. He can then enter the third year of medicine and graduate in two years, thus making it possible to obtain the degrees of Bachelor of Arts and Bachelor of Medicine after six years of study.

A LABORATORY of experimental psychology will be opened next winter at King's College,

London. It will be under the general supervision of the professor of physiology, Dr. Haliburton, and the special conduct will be entrusted to Dr. W. G. Smith, formerly of Smith College, Northampton, Mass.

THE University of Jena will celebrate its three hundred and fiftieth anniversary in 1908. Arrangements are already in progress for the preparation of a history of the university based on unpublished documents.

CORNELL UNIVERSITY, through the generosity of Abraham Abraham of Brooklyn, has acquired the Egyptological and Assyriological library of the late Professor August Eisenlohr of Heidelberg.

THE registration at the summer school of Columbia University is this year 643 as compared with 589 in 1901 and 417 in 1900, when the school was first established.

THE State University of Iowa has created a chair of psychology and elected to it Dr. C. E. Seashore, at present assistant professor in philosophy. Dr. Seashore took his doctor's degree at Yale in 1895 and was assistant in the Psychological Laboratory from 1895 to 1897.

ROBERT S. SHAW, professor of agriculture in Montana, has been elected to the chair of agriculture in Michigan Agricultural College. He graduated at Guelph, Ontario, in 1892, managed his father's farm for four years, and took his father's classes for one year in the University of Minnesota.

L. B. WALTON, A.M. (Brown, 1900), Ph.D. (Cornell, 1902), has been appointed instructor in biology at Kenyon College, Gambier, Ohio. He held last year the Goldwin Smith fellowship in zoology at Cornell University.

AT Purdue University J. R. McColl, now of the University of Tennessee, a graduate of the Michigan Agricultural College, has been appointed associate professor of thermodynamics, and Mr. Fritz B. Ernst, now on the editorial staff of the *Railway Age* and a graduate of Purdue University, has been appointed assistant in car and locomotive design.