

from that in the United States. The drilling of test wells by the government survey has seldom been practicable here, but the government of Brazil, like that of Peru, expects to actually drill for water, and drilling outfits have accordingly been purchased in this country for that purpose.

UNIVERSITY AND EDUCATIONAL NEWS.

THE University of Pennsylvania has asked from the state an appropriation of \$650,000 to be used as follows: (1) University hospital—maintenance, \$140,000; new building, \$75,000; clinical amphitheater and laboratories for dispensary buildings, \$35,000; (2) university—\$175,000 for general maintenance, construction of buildings, and the purchase of apparatus; (3) veterinary department—\$100,000 for the erection of a suitable building and equipment; (4) free museum of science and art—\$125,000 for the construction and equipment of a building for the expansion of the department.

MR. CHARLES H. HACKLEY, of Muskegon, Mich., has made public bequests, as follows: To the Hackley Manual Training School of Muskegon \$250,000 is given, which, added to \$360,000 already given by Mr. Hackley, makes the school's total endowment \$610,000; as an endowment for the Hackley Hospital, \$300,000, less any sum given during Mr. Hackley's lifetime for this purpose; for the maintenance of the Hackley Public Library, \$200,000; for the purchase of pictures for this library, \$150,000.

MOUNT HOLYOKE COLLEGE will receive \$172,000 as the residuary legatee of Edmund K. Turner.

THE Drapers' Company have voted a further sum of £400 a year for five years towards the statistical work and higher teaching of the department of applied mathematics, and the Mercers' Company have voted £1,000 to the chair of physiology, in University College, London.

WE learn from *The Experiment Station Record* that W. C. Stubbs, who has been since 1885 professor of agriculture in the Louisiana

State University and director of the experiment stations, has voluntarily retired. He is succeeded by Professor W. R. Dodson, who becomes, by virtue of his office as professor of agriculture at the university, director of the three stations in the state, director of the State Geological Survey, official chemist, etc.

MR. THORNE M. CARPENTER has resigned his position as assistant chemist and assistant in the investigations with the respiration calorimeter, of the Agricultural Station of the Pennsylvania State College to accept a similar position in connection with the investigations on human nutrition at Wesleyan University. The vacancy has been filled by the promotion of Mr. N. C. Hamner, and Mr. W. A. Smith, a graduate of the college in 1901, has been appointed assistant chemist. Mr. J. B. Robb, of the Maryland Agricultural College, who has assisted in the respiration calorimeter investigations during the past three winters, has been temporarily engaged for the same purpose for the present season.

MR. F. L. SHININ, assistant in physical chemistry at the University of Wisconsin, has just accepted a call to the University of Indiana, as assistant professor of physical chemistry.

M. JONATHAN RIGDON, fellow of Clark University, has been appointed instructor in philosophy in Clark College.

MR. H. H. HIGBE, assistant in mechanical engineering at Columbia University, has been appointed instructor in the University of Michigan, and Mr. L. F. Parr has been appointed to fill the vacancy at Columbia University.

MR. EDGAR SCHUSTER, M.A., New College, Oxford, has been appointed to the Francis Galton research fellowship in national eugenics.

MR. I. L. TUCKETT, M.A., of Trinity College, Cambridge, has been appointed demonstrator in physiology.

M. MICHAEL-LÉVY has been nominated by the Paris Academy of Sciences for the chair of inorganic chemistry at the Collège de France, vacant by the death of M. Fouqué. M. Cayeux is named as the second choice of the academy.