

THE Adams prize for 1906 is offered for an essay on 'The Inequalities of the Moon's Motion Due to the Direct Action of the Planets.' The prize, which is of the value of £225, is open to the competition of all persons who have at any time been admitted to a degree in the University of Cambridge.

THE Bureau of Forestry has published a circular giving information regarding employment on the national forest reserves. This circular explains how appointments to the Forest Service on the reserves are made, states the salaries of its members and indicates the knowledge and experience required of rangers and supervisors and the duties each must perform. The future organization will include forest supervisors at \$1,800 to \$2,500 a year, deputy forest supervisors at \$1,500 to \$1,700, forest rangers at \$1,200 to \$1,400, deputy forest rangers at \$1,000 to \$1,100 and assistant forest rangers at \$800 to \$900. The law requires that every applicant for a position in the Forest Service pass a civil service examination. Legal residence in the state or territory in which employment is desired is generally necessary, since only where examinations fail to secure thoroughly satisfactory men are vacancies filled by the examination of applicants from other states. Appointments of supervisors are made, so far as practicable, by promotion of competent rangers or forest assistants. To be eligible as forest ranger the applicant must be physically sound, accustomed to outdoor work, and know how to take care of himself and his horse in regions remote from settlement and supplies. He must know something of surveying, estimating and scaling timber, lumbering and the livestock business. Some of the reserves require a specialist in one or more of these lines of work. The applicant must be thoroughly familiar with the region in which he seeks employment. The entire time of rangers is to be given to the service. Rangers, under the direction of the forest supervisor, patrol to prevent fire and trespass; estimate, survey and mark timber and supervise its cutting; issue mining permits, build cabins and trails, enforce grazing restrictions, investigate claims and make arrests for violation of reserve laws.

Forest supervisors must have all the qualifications of rangers, combined with superior business and administrative ability. They deal with the public in all matters connected with the sale of timber, the control of grazing, the issuing of permits and the application of all regulations for the use and occupancy of forest reserves. Knowledge of technical forestry is desirable, but not essential.

#### UNIVERSITY AND EDUCATIONAL NEWS.

It is announced that Harvard University has received an anonymous gift of \$100,000 for a museum of social ethics, and \$50,000 from Mr. Jacob H. Schiff, of New York, for explorations in Palestine.

THE Ontario government has announced a provisional grant of \$500,000 to the University of Toronto towards the proposed new buildings which, it is estimated, will cost \$1,600,000.

THE Drapers' Company has agreed to give £5,000 for a building for the department of agriculture at Cambridge, provided that an equal sum be raised by voluntary contribution.

A. S. MACKENZIE, A.B. (Dalhousie), Ph.D. (Johns Hopkins), professor of physics in Bryn Mawr College, has been appointed to the chair of physics in Dalhousie College.

DR. J. E. DUERDEN, of the University of Michigan, formerly curator of the museum, Jamaica, has been appointed professor of zoology, at the Rhodes University College, Grahamstown, Cape Colony, South Africa.

MR. L. R. WALDRON, assistant professor in the department of botany and zoology of the North Dakota Agricultural College has lately resigned to accept a position of superintendent of the Sub-Experiment Station located at Dickinson. Mr. W. B. Bell of the University of Iowa has been elected to fill the vacancy.

AUSTIN FLINT ROGERS, A.B. (Kansas), Ph.D. (Columbia), tutor in mineralogy in Columbia University, has been appointed assistant professor of mineralogy and petrography in Stanford University.

THE Board of Trinity College, Dublin, has founded a chair of education, and Mr. Edward P. Culverwell, fellow of Trinity College, has been elected to the professorship.