

which would tend to increase the profitable agricultural production of the Punjab. This prize, valued at 3,000 rupees and known as the Maynard Ganga Ram Prize, may be awarded every three years if proposals of sufficient merit are received. A world-wide competition is provided, and the date for the current competition has been extended to December 31, 1929.

PRESIDENT W. W. CAMPBELL, of the University of California, has received word that the University Dental College has been awarded the gold medal of the Third Latin American Odontological Congress, held in Rio de Janeiro, Brazil, for the excellence of an educational exhibit of dental work arranged by Dean Guy S. Millberry.

UNIVERSITY AND EDUCATIONAL NOTES

MEMBERS of the board of trustees of the University of Pennsylvania have contributed a sum amounting to \$1,750,000 to the university. Of this amount \$1,000,000 was given without restriction, and the money has been used to cover deficits of \$800,000, leaving \$100,000 to be used for repairs and \$100,000 for current purposes. The remaining sum of \$750,000 will be used for the endowment of professorships.

WITH an anonymous gift of \$130,000 the University of Cincinnati College of Medicine is constructing a laboratory of applied physiology on the campus at Eden and Bethesda avenues, directly behind the anatomy department. A new field of research, according to the *Journal* of the American Medical Association, will be carried on here dealing with problems that concern the application of physiologic laws to industry, including the protection of workers in dangerous chemical and metal industries, food contamination and ventilation. An annual gift of \$30,000, also anonymous, provides for the maintenance of the laboratory.

MRS. AGNES H. ANDERSON, who in 1924 erected Anderson Hall on the campus of the University of Washington in memory of her husband, the late Alfred H. Anderson, has given \$50,000 to the university. The income from this gift, which is known as the Agnes Healy Anderson Trust Fund, is to be used chiefly for graduate research fellowships in forestry.

At Columbia University appointments have been made as follows: William Robert Torgerson, associate

professor of tropical medicine; Hans Smetana, assistant professor of pathology; Kenneth S. Cole, assistant professor of physiology; James L. Joughin, assistant clinical professor of neurology; Josephine B. Neal, clinical professor of neurology; Claus W. Jungeblut, associate professor of bacteriology, and Philip B. Buchy, assistant professor of mining.

DR. FREDERICK H. KRECKER, professor of zoology in Ohio State University and assistant director of the Franz Theodore Stone Lake Laboratory, has been appointed head of the department of biology in the college of liberal arts of Ohio University at Athens.

D. S. VILLARS has resigned his position as associate in chemistry at the University of Illinois to accept an assistant professorship in physical chemistry at the University of Minnesota.

DR. CALVIN N. WARFIELD, formerly of the University of Richmond, is taking up his work as the head of the physics department of the North Carolina College for Women at Greensboro.

PROFESSOR J. W. GREGORY has retired from the chair of geology at the University of Glasgow after a service of twenty-five years. *Nature* says that during the period the membership of his classes has risen from 15 to 400, and in his last session he lectured to the largest geological class in the British Isles, if not in the world.

DISCUSSION

PHARMACOLOGICAL INJECTIONS AND PHYSIOLOGICAL INFERENCES

IN a recent article in *SCIENCE*,¹ Cori remarks that for twenty-seven years 0.2 mg of adrenin per kilo or larger amounts have been used in hundreds of animal

experiments by many investigators and that if Cannon's judgment that such doses are "huge" and "far beyond physiological limits" is well founded it would be of far-reaching importance. That many investigators have commonly used such doses of adrenin does not prove them physiological. Unfortunately the lit-

¹ C. F. Cori, *SCIENCE*, 70: 355, 1929.