

bergen in the British Museum. Mr. Lundström is taking some plants to see if they will grow there.

UNIVERSITY AND EDUCATIONAL NEWS

RECOMMENDATIONS that a fund of more than \$3,000,000 for the treatment of cancerous, nervous and disabling ailments be given to the University of Pennsylvania Hospital has been made by Dr. Winford H. Smith, superintendent of the Johns Hopkins Hospital, Baltimore, who was selected by the trustees of the fund, jointly the incorporated trustees of the Philadelphia Yearly Meeting of Friends and a body organized as the board of managers of the Jeanes Hospital, to come to Philadelphia and make a survey of its hospitals and medical work and give them his opinion as to where the fortune would work the greatest benefit. The fund is the estate and its increment willed for the purpose by Anna J. Jeanes, a noted Friend philanthropist, who died in 1908.

Mr. BLANCHARD RANDALL and Dr. Howard Kelly have presented to the Johns Hopkins Hospital a collection of portraits of medical men said to be of great value. The collection given by Mr. Randall, who is one of the trustees of the institution, consists of forty-eight portraits. Dr. Kelly, who is one of the consulting physicians, added eleven portraits.

Miss S. E. S. MAIR and Mrs. A. M. Chalmers Watson, on behalf of women medical graduates, students and their friends, have offered to pay to the Edinburgh University \$20,000 for the medical education of women.

THE report of President R. S. Hyer to the board of trustees shows that the enrollment of the initial year of the Southern Methodist University reached 706 students, 453 of whom were in the academic department. Over 300 students in the academic department carried science courses during the year. In the choice of a science, chemistry, physics, biology and geology registered practically the same number. The total enrollment is said to establish a new record for the initial year in American universities. The University of Chicago registered 698 in its first year.

DR. W. W. CORT, Ph.D. (Illinois, '14), professor of biology at Macalester College, St. Paul, Minn., has accepted a position as assistant professor of zoology at the University of California. Dr. H. D. Gould, Ph.D. (Princeton, '16) has been appointed instructor in zoology in place of Assistant Professor J. A. Long on Sabbatical leave.

APPOINTMENTS at the Massachusetts Institute of Technology have been made as follows: Dr. Frederick G. Keyes, associate professor of physico-chemical research; Eugene Olaf Christiansen, instructor in business management; Clarence K. Reiman, instructor in inorganic chemistry; Ernest W. Wescott, research associate in applied chemistry; Robert E. Wilson, research associate in applied chemistry; Charles L. Burdick, research associate in physical chemistry; John G. Barry, instructor in geology and mineralogy, and Alexander Klemin, instructor in aeronautical engineering.

DISCUSSION AND CORRESPONDENCE

THE FUNDAMENTAL EQUATION OF MECHANICS (IV)

IN his paper on "The Accepted Facts of Dynamics,"¹ Professor Hoskins proposes as a sort of challenge a simple problem which he believes can not be solved by means of my fundamental equation $F/F' = a/a'$ without the aid of a further principle which he calls the *additive property of mass*. This challenge seems to me a fair one, and without reopening the general discussion, I should like to show how easy it is to offer a solution of this problem based entirely on the principles I have set forth as sufficient.² The problem is as follows:

A first body, A' , is observed to have an acceleration a' when acted on by a force F ; a second body, A'' , is observed to have an acceleration a'' when acted on by an equal force F ; if the two are combined into a single body, what acceleration will this body have if acted on by a force F ?

¹ SCIENCE, June 30, 1916.

² SCIENCE, February 5, 1915; July 30, 1915; and especially March 3, 1916. Further discussion of this topic may be expected to appear in the *American Mathematical Monthly*.