

of other tree-grown mounds very similar in appearance to the one just excavated. Dr. Fewkes hopes next year to find what is concealed beneath.

UNIVERSITY AND EDUCATIONAL NEWS

THE contest over the will of the late General Brayton Ives, who left the bulk of his estate, valued at more than \$1,000,000, to Yale University, has been settled by the filing of an order in surrogate's court. The contest was begun by General Ives's three daughters. The terms of the settlement were not divulged.

THE Duhring Memorial Building was formally dedicated on December 13 by the trustees of the University of Pennsylvania, and a memorial tablet was unveiled at the entrance to the new book stack. This new building is a wing to the library, and was erected as a memorial to the late Louis A. Duhring, professor of dermatology at the University of Pennsylvania, who left a legacy amounting to more than a million dollars to the university. The dedicatory addresses were made by Professor Morris Jastrow, Jr., the university librarian, and Dr. Joseph G. Rosengarten, chairman of the library committee of the board of trustees. The building was accepted on behalf of the university by Provost Edgar F. Smith.

A NEW building known as the Vivarium will soon be completed at the University of Illinois. It has been constructed especially for the work of Dr. Charles Zeleny and Dr. V. E. Shelford, of the department of zoology. The building, with furnishings, will cost about \$70,000. Sea-water aquariums, a refrigerator system, and rooms in which light rays may be used to the exclusion of all others, are some of the things which make up the equipment of the Vivarium.

ASSOCIATE PROFESSOR H. P. BARSS has been promoted to be professor of botany and plant pathology at the Oregon Agricultural College, in place of Professor H. S. Jackson, who recently resigned to accept the position of plant pathologist at Purdue University.

DR. ALBION WALTER HEWLETT, professor of medicine at the University of Michigan, has

accepted a similar appointment, beginning on August 1, 1916, in the Medical School of Stanford University. This fills the vacancy left by the appointment of Dr. Ray Lyman Wilbur as president of the university.

ASSISTANT PROFESSOR A. L. LOVETT has been made acting head of the department of entomology at the Oregon Agricultural College, in place of Professor H. F. Wilson, who resigned to accept a position as professor of entomology at the University of Wisconsin.

COUNT HUTTEN-CZAPSKI, of Posen, has been appointed curator of the Warsaw University and Technical School, as reestablished under German auspices.

DISCUSSION AND CORRESPONDENCE

THE TEACHING OF ELEMENTARY DYNAMICS

TO THE EDITOR OF SCIENCE: Since I took a hand, in SCIENCE of March 29, 1915, in the controversy between Professors Huntington and Hopkins concerning the fundamental equation of dynamics, there have appeared numerous communications on the subject showing evidence of widespread interest in it. As a result of these communications, the questions at issue are now in a more chaotic state than they ever were. The time now seems opportune for a review of the positions held by the several contributors, in the hope that they may yet be brought into agreement. I offer here some brief extracts from letters that have appeared in SCIENCE in the last six months, with my comments upon them, together with a condensed restatement of the problem I gave, with my solution of it, in my previous article, again asking that if any one thinks he has a better solution he will present it for comparison.

Uniformly Accelerated Motion

Problem.—A constant force, F pounds, acts for T seconds on W pounds of matter, at rest at the beginning of the time but free to move. What are the results? Explain how the results are derived.

Answer.—Experiments with the Atwood machine and other apparatus show (a) that the velocity varies directly as the force and as the time, and inversely as the quantity of matter;