

of Nebraska, have made observations on a well of this nature in Perkins County, and found that its breathing periods were exactly coincident with the barometric changes. The material through which the wells are driven may throw some light on their peculiarities. In southeastern Nebraska a layer of dense limestone about four inches thick lies beneath 50 to 100 feet of subsoil. Below the limestones is found water-bearing gravel. When the limestone covering the water-bearing beds is penetrated water under slight pressure rises about one foot. The water-bearing layer is very porous and must always contain more or less air. As the air above and the air inclosed in the gravels below are alike subject to the fluctuations of the barometer, it follows that if the surface air is rendered less dense the air below will pass out through the well openings until equilibrium between the rarer air and denser air is established, and the opposite effect will follow during a period of high pressure. Still, this explanation, plausible as it is, hardly accounts for the force with which the air is expelled from some of the wells, and a more comprehensive study of the problem is needed to satisfactorily explain all the phenomena.

UNIVERSITY AND EDUCATIONAL NEWS.

It appears that Clark University will receive the sum of \$1,577,000 from the estate of the late Jonas G. Clark. This we understand is in addition to the \$500,000 already paid on account of the collegiate department.

At a recent meeting of the board of trustees of Cornell University plans were authorized for the purchase of sixteen additional acres of land and for the erection of new buildings. A site was assigned for the Hall of Physics, for which Mr. John D. Rockefeller gave \$250,000, and for a Hall of Arts and Humanities, to cost \$250,000. A plan for retiring and pensioning professors was discussed.

THE trustees of the College of the City of New York have authorized the adoption of

the architect's plans for the new buildings to be erected at a cost of \$2,100,000.

SIR WILLIAM MACDONALD has given the department of physics of McGill University an installation for making liquid air.

A DEVELOPMENT of the equipment of the University of California's College of Medicine, to consist of a clinical hospital that will cost \$400,000, has been proposed in a report submitted by a committee.

THE daily papers state that M. Michonis, a French millionaire, has bequeathed \$120,000 as a fund to enable French students to study philosophy and religious sciences in German universities.

DR. T. H. STARKEY, of University College Hospital, London, England, has been recommended by the Dean of the medical faculty as professor of hygiene at McGill University, in succession to the late Dr. Wyatt Johnston.

AT Prague Dr. F. Vejdovsky, professor of embryology and comparative anatomy, has been appointed professor of zoology, replacing Dr. Anton Fric, recently retired.

THE sixteenth annual meeting of the Association of Colleges and Preparatory Schools in the Middle States and Maryland will be held in Baltimore on November 28 and 29 next. Among the subjects to be discussed are 'The Educational Value of Examinations as the Culmination of Preparatory Courses' and 'The Relative Functions and Powers of President, Trustees and Faculty.' On the latter subject President Ira Remsen, of the Johns Hopkins University, will speak on the college presidency; Dr. S. J. McPherson, a trustee of Princeton University, will speak on the duties of the trustee, and Professor George S. Fullerton, of the University of Pennsylvania, will explain the position of the faculty.

MR. E. D. BELL, M.S., has been elected to the chair of animal biology in the Utah Agricultural College, Logan, Utah.

PROFESSOR WLADISLAW ROTHERT, of Charkow, has been elected professor of botany in the University of Odessa.