

as near the 81st degree of latitude. These large depots, together with the houses and stores left at Camp Ziegler, as well as provisions for the five ponies and 150 good dogs now on board, besides the pack itself, will afford means for a large Polar dash party next year. The fact that all the channels through Franz Josef Land remained blocked by ice during the autumn of 1901 prevented the establishment of depots by steamer last year. The breaking up of the ice early in June compelled us to use our reserve supply of coal, and hence our departure from Camp Ziegler on July 1 in order not to imperil the expedition. We dispatched 15 balloons with 300 messages in June. We have obtained the first moving pictures of Arctic life. We discovered Nansen's hut, recovering the original document left there and securing paintings of the hut. We have also secured marine collections for the National Museum, new charts, etc. Thirty men, with 13 ponies, 170 dogs and 60 sledges, were employed in field work from January 21 to May 21, this severe work resulting in the destruction of the sledges; this and the depletion of the food for the ponies and the dogs rendered a return imperative.

THE water resources of the Great Plains will be the subject of continued investigation this summer by the United States Geological Survey. For the last two or three years Mr. N. H. Darton, of the Survey, has been engaged in tracing the source of the copious underground waters which appear in the wells of North Dakota and South Dakota. From careful studies of well borings and other geological phenomena of the region, it has been discovered that extensive water-bearing strata underlie the whole plains region and are bent upward and reach the surface on the eastern flanks of the Rocky and Bighorn Mountains and in the Black Hills uplift. This season Mr. Darton, assisted by Mr. C. A. Fisher, is engaged in continuing the survey of the water-bearing rocks in the Black Hills and Bighorn Mountains, and in a reconnaissance of the Great Plains for the preparation of a map showing the general geology and the location of the water-bearing beds of the whole

region. The map will also indicate the distance at which the sandstones lie beneath the surface, and the probable depths of the wells necessary to reach them.

UNIVERSITY AND EDUCATIONAL NEWS.

THE will of the late Francis B. Loomis, of Cincinnati, has been sustained by the courts, and the Ohio Wesleyan University will receive \$150,000.

DR. HOWARD A. KELLY, professor of gynecology in the Johns Hopkins University, has given \$10,000 for an extension of the gynecological ward of the Johns Hopkins Hospital.

THE University of Nebraska has adopted a course of study in forestry, which will be open to students this year for the first time. It is four years in length, and the conditions for admission to the freshman year are the same as for admission to other university courses.

THE University of Nebraska Medical College will be opened this fall. It provides for two courses, one six years, and the other four years, in length, the first leading to the degrees B.Sc. and M.D., and the second to M.D. Entrance to these courses requires the work of four years in a good high school or academy.

A COURSE in practical physiology, commencing on October 10, 1902, is offered to public school teachers at the University and Bellevue Hospital Medical College (26th street and First avenue). The course includes much experimental work on nervous physiology which is of advantage for the comprehension of psychology. An exercise of two hours or more is given once a week for thirty weeks. The exercise commences at half past three on Fridays and may last until six o'clock. The students perform the experiments themselves. A short talk precedes each exercise and a conference over the results obtained follows the completion of the day's work. This course is one authorized for obtaining a degree in the graduate school of the New York University. It is identical with the course prescribed for second year medical school students. It will not be given to more than thirty applicants. The course is conducted by Professor Graham Lusk.