

spection. As it has been remarked since, he was here not to find out what the cadets knew but what they did not know. He found out enough. In a battalion like this where so many changes are being made every term—old cadets are going out, new ones are coming in; and those who have drilled are promoted and have the duties of new offices to learn—the manoeuvres cannot all be learned and executed properly. It is known that the cadets execute well all those movements in which they have been drilled. The inspector seemed satisfied with the condition of the guns and equipments, excepting a few belts that were badly worn. He rather got the cannoneers in questioning them about the names of parts of the piece, which many of them had once learned, but, never having occasion to refer to them, had forgotten.

For the benefit of those students who may not have taken the time to look it up in the catalogue, we will state that the fall term of school closes Friday, December 16, and the winter term begins January 3. This gives nearly three weeks vacation. We shall appreciate this rest very much. After thirteen weeks of hard, confining work the brain as well as the body demands relief. The last few weeks of the term bring on a large amount of work that has been put off from time to time until the necessity for immediate action almost paralyzes us. Reviews have already begun, and by the time this belated issue is in the hands of the students will be nearly completed. Would it not be better for students and professors alike to keep up all outside work during the term and not leave it until it is too late to give it the proper amount of time? The result is poor work and a giving away of the mental powers just when we need them most. With the new year let us start to school with the determination to keep up our work and not leave so much to the end of the term.

We learn to our sorrow that the first preps are about to follow the foolish example of the second preps and perfect a class organization. Don't do it. Too many students drop out of school before completing the preparatory course to make the venture a success. It is quite proper for the college classes to organize and to show that they have some class spirit, but not until the class enters college. Before that, it is only being prepared for a college class. Again, every year brings more students from the high schools of the state directly into the Freshman class. This year nearly a third of the freshman class enter the college for the first time. Next year there will be more. Now, it is of the utmost importance that each class should be as nearly a unit as possible. If these students coming in from the high schools find an organization already existing they feel in a measure ostracized. Perhaps they get over it and everything runs smoothly, but in two cases out of three they form a clan in the class, and eternal unpleasantness is the result. Lastly, we are opposed to anything that tends to lessen the supply of freshmen. It may be all right to kill off a senior occasionally, but it hurts the university more to have the lower classes thinned out. So we admonish all preparatory students not to organize till they are full-fledged freshmen.

SCIENTIFIC SPECKS.

The following facts obtained from some investigations by Professor Hicks we are sure will prove interesting: The corpuscles in the blood of a frog are of two kinds, red and white. The red corpuscle is of a flattened oval kind. The dimensions of the red corpuscles are as follows: Length 1.49 m. m., equals 1-1245 inch. Breadth 1.69 m. m., equals 1-1753 inch. Thickness 1.138 m. m. equals 1-3505 inch. Of the nucleus: Length 1-138 m. m., equals 1-3505 inch. Breadth

1-230 m. m., equals 1-5842 inch. Diameter of white corpuscle 1-172 m. m., equals 1-4369 inch. The white corpuscles are spherical and roll slowly along the sides of the arteries and veins.

Micro-petrography is one of the growing sciences, and one which is destined to play an important part in the determination of minerals. Nebraska's University seeing this, and recognizing the advantage her scientific students will derive from a study of it steps forward as one of the few in this country with appliances for this work. The chief thing is a microscope which shall have all accessories for a thorough analysis of the specimen. Such a one is now in the University. It was made from directions by Prof. G. H. Williams of Johns Hopkins. It is the third petrographical microscope manufactured in this country, being made by Bausch & Lomb of Rochester, New York. Although not as expensive as many German ones, yet it has all the accessories of the best, and will be serviceable and accurate. Accompanying this is a complete machine for preparation of specimens. It consists of a diamond wheel for cutting to desired shape two iron wheels to be used with emery for grinding, lead wheel for grinding and smoothing with emery flour, and a hard pine wheel, for finishing and polishing. It has also a small belt wheel the object being when the new building is completed to run this and some other apparatus by an engine. That our students are rapidly learning the art of preparing desirable sections the sounds issuing from the Geological Laboratory bear ample testimony. We may well feel proud of the advantage when we consider that only Harvard, Johns Hopkins, Columbia and the University of Minnesota have facilities of this nature.

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