

Recognition From England.

The following is a review of the bulletin of the School of Mines and Metallurgy which appeared in a recent issue of the Geological Magazine, of London, England:

"There are no less than seven Schools in this College, the subjects ranging from Languages to Engineering, but we only propose to notice the seventh, which is under the charge of Professor Wadsworth, M. A., Ph. D., who has been a Fellow of the Geological Society of London since the year 1889. His wide experience in the rich mining districts of Michigan pre-eminently fit him to take charge of a School of Mines.

"The fasciculus consists largely of the details of the work which the students have to carry on from the first to the fourth year. There is a general notice of the scope and object of the school.

"The instruction must comprise all things requisite to find and obtain the earth's mineral wealth and prepare it for the market. This requires that the student should be trained to prospect or to conduct exploitations in the forest and field; to distinguish the useful minerals and rocks; to understand the geological principles that govern the formation and association of useful mineral products, etc. Thus it will be at once perceived that this school is animated by a thoroughly practical spirit, and there is no room for the amateur geologist here.

"In describing the methods adopted with reference to these courses a certain amount of repetition is inevitable. The subjects more directly relating to geological science include Geology, Mineralogy, Mining Geology, Paleontology, and their respective 'laboratories.' Professor Wadsworth again points out how important it is for the student to endeavor 'to understand the connection and structural relations that rock masses bear to one another,

and to the valuable deposits that they contain.' Amongst the textbooks used in this particular course (Geology) we are glad to notice some well-known British authors, such as the two Geikies, Bonney, Judd, and Milne. As regards structural geology more especially, we note the names of Green, Prestwich, Fisher, and other British authors. The 'Geological Laboratory' work includes a course of mapping, but it mainly resolves itself into a series of field excursions, where the student can be taught at the 'bedside.'

"A brief allusion to the remainder of the five selected subjects must suffice. Mineralogy is intimately associated with Crystallography and Microscopical Petrography. Under this heading Dana, Wadsworth, Story-Maskelyne, and Lewis are the leading textbook authorities. The 'Laboratory' plays a most important part in this section, where the practical work of examining, testing, and identifying specimens of minerals and rocks is carried on. 'In this way each student is required to determine in his course from one thousand to three thousand different mineral specimens belonging to the selected species.' In Mining Geology particular attention is given to the occurrence and use of stone, clay, lime, cement, coal, iron-ore, and other economic products worked in the State. The object of the courses in Paleontology 'is to familiarize the student in the field and laboratory museum with the more common fossils, particularly those that characterize the Palaeozoic formations. The student will be practiced to draw and describe.' Petrography is considered under two heads, viz., Optical and Microscopical Mineralogy and Microscopical Petrography. In this course the alterations of minerals are especially studied. Amongst the textbooks quoted are Iddings, Van Hise, Hatch, and Harker.

"Throughout this fasciculus Prof. Wadsworth never fails to impress upon his readers how much benefit men engaged in prospecting have derived, or are likely to derive, from such studies, and more especially from Mineralogy and Mining Geology."

The Bucknell Game.

Since the resumption of athletic relations between Penn State and Bucknell, the rivalry between these two colleges has risen to a greater height than was anticipated. The baseball game at Lewisburg on Saturday resulted in a severe defeat for the White and Blue and just now the cry is to avenge that defeat.

This was the first game that State has played in three weeks and the lack of practice on their part found the team in rather poor condition. Errors were pretty much in evidence and the inability to hit Northup was shown.

In the first inning Cree drew a pass and stole second. McCleary on attempting to sacrifice flied to Sheehan, and "Birdie" went to third on Coulson's grounder to Niple. Hirshman was hit by Northup, but Workman, the next man up, hit an easy one to Northup and the side was retired.

Again in the second it looked good for State but Northup seemed to tighten. Haverstick singled to centre and advanced on Vorhis' hit past first, then stole third but the next three men struck out.

Bucknell scored all her runs in the seventh when all the errors and hits seemed to be bunched. Dawson walked and Hoffman bunted to sacrifice, "Sticks" fumbled the bunt and errors by Hirshman and Mitinger allowed both men to score. Loveland and Leach both hit easy ones to Mitinger, but Niple and Sheehan singled and another mixup scored Niple. Clark was hit and Northup was an easy out.