

The four-faced cube (210) has edges at the base of the pyramid identical with the edges of the cube. The three-faced octahedron (221) has edges at the base of the pyramid identical with the edges of the octahedron.

The planes that make these faces cut two axes equally near the center and the third axis further out, or at the end.

(*To be continued*)

PROCEEDINGS OF SOCIETIES

THE PHILADELPHIA MINERALOGICAL SOCIETY

Wagner Free Institute of Science, June 14, 1917.

The President, Mr. Trudell, in the chair. Eleven members and four visitors present. Mr. Frederick Oldach, proposed by Mr. Gordon, was elected to active membership.

Mr. Samuel G. Gordon gave a brief talk, illustrated with lantern slides, on "Some Philadelphia Mineral Collections."

Mr. Oldach reported the results of the Society's trip to Mineral Hill on May 6th. Chromite and anthophyllite were found at Moro Phillips' chrome mine, on Battles' farm. At Mineral Hill a little sunstone, moonstone, amazonstone, and deweylite were obtained.

The Secretary reported the trip to the Frankford localities on May 19th. The stilbite locality, now being filled with rubbish, looked uninviting and was not entered. This quarry is situated at Church and Leiper Sts., opposite the site of the molybdenite locality, which has been built over. Clark's quarry has again been abandoned, and is filled with water. It is doubtful if it will ever be reopened. At O'Neill's quarry the following were noted: orthoclase, hornblende, epidote, wernerite (?), biotite, vermiculite, stilbite, titanite and apatite.

The trip to Unionville on Decoration Day was reported by Mr. Knabe. At the corundum mines the following are obtainable: corundum, albite, tourmaline, margarite, and green quartz; at Beryl Hill: indifferent pieces of beryl, muscovite and microcline; at the Poorhouse Quarry, not at present being worked: quartz, calcite, dolomite and chesterlite (microcline).

The secretary reported the trip to the West Philadelphia localities on June 9th. At 64th and Lansdowne Ave. a hill is being leveled and the gneiss contains large cleavages of orthoclase showing Carlsbad twinning. Poor specimens of hyalite were obtained. A small quartz crystal was found at the Overbrook locality, back of the Blind Asylum.

In view of the fact that collectors may be thinking of visiting Franklin during the summer, the secretary told of some of the conditions there. The mines are carefully guarded by a dozen detectives, and permission to visit the mines and even the dumps is very difficult, if not impossible to obtain. In fact all visitors are followed by these men, and if a collector does pick up a specimen from one of the dumps, he is forced to put it back.

An amendment to the constitution was made extending the limit of the president's term to three successive years.

FIELD EXCURSION

SATURDAY, SUNDAY AND MONDAY (LABOR DAY) Sept. 1-3. Falls of French Creek. Meet at 69th St. Terminal at 1.15 P. M., Saturday.

STATED MEETING

Thursday, September 13, 1917 8 P. M.

Reports of trips to Frankford, Lafayette, Leiperville, Friedensville, Perkiomen and the Falls of French Creek, by Messrs. Oldach, Gordon, Warford and Trudell.

Illustrated with specimens and lantern slides.

SAMUEL G. GORDON, *Secretary.*