point a small cave that is believed to extend under a considerable portion of Fountain Hill although in recent years it has not been possible for a person to proceed more than fifteen to twenty feet from the entrance.

The Tomstown limestone crops out in several places in the east part of the grounds of the Bethlehem Steel Co. where thick and thin shaly beds alternate with massive dolomite. Black flint is prominent in the dolomite. Much of the shale has decomposed to such an extent that it can be dug readily with a shovel. The strata have been folded to such an extent that dips and strikes vary.

Along the Lehigh Valley R. R. directly east of Freemansburg some stylolites with points up to one and one-quarter inches in length have developed in Tomstown dolomites. Veins of quartz and calcite are numerous. In the section of the Tomstown on the left bank of the Lehigh River at Freemansburg and in several other places between Freemansburg and Easton on the other side of the river, occasional beds of dolomite have numerous small elliptical patches of white crystalline calcite or dolomite. These eye-like particles average about a quarter of an inch long. The weathered surface presents a pock-marked appearance. The fresh fractures are gray, speckled with the calcite “eyes.” We have called this variety “bird’s-eye” limestone. Two quarries about half a mile to the east have been worked for massive dolomitic limestones for the manufacture of lime.

A few quarries were once operated in the vicinity of Redington and here can now be seen the best exposures of the Tomstown in the county. In a large quarry once worked by the General Crushed Stone Co. there is a sandstone bed about ten inches thick that has weathered to a brown color. It is underlain by about one foot of shaly rock and overlain by a bed of gnarly siliceous dolomite. Encrustations of ferrous sulphate indicate the former presence or pyrite, as does the brown color of the sandstone. A short distance away is the quarry long worked by the Bethlehem Steel Co. and later used as proving grounds in testing field guns. Considerable shaly rock is present. A rather large cave here at one time contained some excellent stalactites and stalagnites. Black flint nodules are present in the dolomitic limestones of the Redington district and also quartz veins, stylolites, numerous joints, and small faults.

At the Lost (Hellertown) Cave, three-fourths mile east of Hellertown, the Tomstown consists mainly of fairly massive dolomitic limestones with only occasional shaly bands. Just east of the cave opening is the poorly exposed layer of sandstone mentioned above.

A short distance south of Leithsville are two Tomstown quarries, in one of which the limestone is unconformably overlain by Triassic red shales and sandstones.