

Steep rhombohedron e ($50\bar{5}1$); observed twice, $\rho = 80^\circ 56'$ and $81^\circ 20'$, calcd. $81^\circ 03'$.

Trigonal pyramid s ($11\bar{2}1$); obs. 4 times definitely, and once as a vicinal face.

Trapezohedrons: F ($21\bar{3}1$); obs. twice, the best one yielding $\phi = 74^\circ 02'$, calcd. $73^\circ 25'$, and $\rho = 19^\circ 33'$, calcd. $19^\circ 06'$.

u ($31\bar{4}1$); obs. twice, the best with $\phi = 13^\circ 57'$, calcd. $13^\circ 54'$, and $\rho = 77^\circ 08'$, calcd. $77^\circ 41'$.

x ($51\bar{6}1$); obs. once, $\phi = 9^\circ 37'$, calcd. $8^\circ 57'$ and $\rho = 82^\circ 29'$, calcd. $81^\circ 57'$.

There are also other forms, but the measurements were not sufficiently accurate to certainly identify them; of these ($21\bar{3}5$), ($31\bar{4}3$), and ($32\bar{5}3$) may be noted as possibilities.

LIMONITE PSEUDOMORPHOUS AFTER PYRITE FROM LANCASTER CO., PA.

H. L. WILLIG

Lancaster, Pa.

WHILE the Boice farm is known to mineralogists all over the world by reason of the interesting specimens of pyrite found there, the report of a new locality where specimens in some respects similar in character and equalling in beauty and complexity those found at Boice's, will be of more than ordinary interest.

In Manheim township, Lancaster Co., Pa., immediately south of the Neffsville ridge and about three miles northwest of the city of Lancaster, are to be found loose in the soil nearly perfect pyritohedra, twinned pyritohedra showing reëntrant angles and combinations of cube, octahedron, and pyritohedron, of limonite pseudomorphous after pyrite.

The specimens from this locality are notable for their fine condition and size. Several specimens in the museum of Franklin and Marshall College, at Lancaster, measuring 40×40 mm. and 32×35 mm.; there is also a cube 83 mm. on one edge, but it is imperfect.

The color ranges from chestnut brown to deep purple-black and the crystals frequently show good luster on their faces.