

TWO NEW FORMS ON QUARTZ FROM PIKES PEAK

ALFRED C. HAWKINS.

Rochester, New York.

The crystal studied is 6 x 2 x 1½ cm., brown, and translucent with phantoms. It is of the well-known tapering habit, and grew on microcline, some of which still adheres to its base. The prism faces are brilliant, but most of the others are etched to a smooth velvety finish so that the goniometer signal appears as a bright point of light. There are two forms present which do not appear to have been recorded on quartz heretofore, (7183), two faces of which are well developed and indeed prominent; and (5163), represented by a single small but definite face. The angles of all the forms present on the crystal are collected in the following angle-table:

Letter	Symbol		Angles			
	Gdt.	Brav.	Measured		Calculated	
			$\varphi$	$\rho$	$\varphi$	$\rho$
b.....	0	10ī0	0° 00'	90° 00'	0° 00'	90° 00'
r, ρ.....	±10	10ī1	"	51 48	"	51 47
ψ.....	$\frac{7}{3}0$	0773	"	71 20	"	71 21
Δ.....	$-\frac{14}{3}0$	0.14.ī4.3	"	79 57	"	80 25
Γ.....	$-\frac{13}{2}0$	0.13.ī3.2	"	83 02	"	83 05
C, β.....	±70	7071	"	83 50	"	83 35
B, α.....	±80	8081	"	84 38	"	84 23
J.....	$1\frac{5}{6}$	6.5.īī.6	27 19	64 37	27 00	63 39
*.....	$\frac{5}{3}\frac{1}{3}$	5163	8 57	67 43	8 57	67 29
x, ε.....	±51	5161	"	82 17	"	81 57
*.....	$\frac{7}{3}\frac{1}{3}$	7183	6 31	73 52	6 35	72 38

\* New forms, not lettered.

CORRECTIONS TO LIST OF FELLOWS OF M. S. A.

Further omissions have been discovered in the list of charter fellows of the Mineralogical Society of America, published in the February number (p. 46): Insert in this list: Dr. L. L. Hubbard, Houghton, Michigan, and Frank A. Wilder, North Holston, Va.