

NEW MINERAL NAMES

Stibarsen

P. E. WRETBLAD: Minerals of the Varuträsk pegmatite, XX. Die allemontite und das system As-Sb. *Geol. För. Förh.*, **63**, 19-48 (1941).

X-ray, optical, and chemical study of allemontites shows that there are three types

I. Heterogeneous aggregate of phase *A* and phase *B*.

II. Homogeneous, Phase *B*.

III. Heterogeneous aggregate of phase *B* and phase *C*.

It is shown that phase *A* is Sb, containing no As, or so little that x-ray study shows very little difference in the cell constants. Phase *C* is As, containing very little or no Sb. Phase *B* is a compound of composition AsSb, as shown by the compositions of Type II, and by analyzing the residue left after dissolving out phases *A* or *C*. The name stibarsen is proposed for this mineral, the name allemontite to be used for the mixtures of stibarsen with either arsenic or antimony. Stibarsen is rhombohedral with cell constants intermediate between those of arsenic and antimony. Determinations by various observers, quoted from the literature, are

<i>r</i> 4.300	α 56.14°
4.27	55.60
4.298	55.26
4.275	55.85
4.279	55.88

It is not clear whether the variation is due to experimental error, or to solid solution.

MICHAEL FLEISCHER

THE THIRD ROEBLING MEDAL

It is believed that members of the society will be interested to learn that the third Roebling Medal was forwarded to England by plane through the courtesy of the British Foreign Office, and was exhibited by Dr. L. J. Spencer at a tea on Thursday, June 5th, 1941, in the apartments of the Geological Society of London.

Respectfully submitted,

PAUL F. KERR, *Secretary*