NEW MINERALS

Brostenite.


Alteration products of ferriferous rhodochrosite, called “ponite,” with the general formula \( R\cdot x\cdot MnO_2\cdot y\cdot H_2O \) are termed brostenite, after the locality. [Such mixtures do not deserve names.—Abstr.]

E. T. W.

HYDROCLINOHUMITE


Crystallographic study has shown the so-called titanolivine to be actually a variety of clinohumite. Analysis proves it to be remarkable in containing, in addition to 1.92 per cent of titanium oxide, 1.30 per cent beryllium oxide, and hydroxyl in place of all but a trace of the usual fluorine. The varietal name *titanhydroclinohumite* is therefore proposed for it.

C. B. Slaugson

[The above name would have been still more imposing if a few more syllables to show the presence of the beryllium had been tucked in somewhere. The replacement of the fluorine by hydroxyl being, however, the only really significant feature, the preferable form is: *hydroclinohumite*. E. T. W.]

TRECHMANNITE—ALPHA


*NAME:* trechmannite-\( \alpha \), as its isomorphism with trechmannite is its only established feature.

*CRYSTALLOGRAPHIC PROPERTIES:* System, hexagonal; class, trigonal rhombohedral. Twenty one forms were observed as follows: (0001), (0110), (1450), (1430), (1210), (0115), (0112), (0221), (0111), (0441), (1431), (2081), (1231), (2641), (1213), (1.13.14.6), (5382), (3142), (4153), (7186), (1562).

*PHYSICAL PROPERTIES:* Cleavage, basal and rhombohedral. Color, lead-gray. Streak, chocolate.

*CHEMICAL PROPERTIES:* The amount of material was insufficient for a chemical analysis.

*OCURRENCE:* Three small rounded crystals, grown upon a prismatic crystal of sartorite.

W. F. Hunt.

UNNAMED MINERAL


Fine needles of lead gray color were noted, which partially covered seligmantite and baumhauerite, or formed a lattice structure in the cavities of dolomite. From the chemical analysis it appears to have the composition of rathite, \( 3\cdot PbS \cdot 2\cdot As_2S_3 \); but the interfacial angles (measurements were made only in the prism zone) agree more closely with those of dufrenoysite. The presence of a small amount of thallium (0.23%) is of interest.

W. F. Hunt.