

JOURNAL
OF THE
WASHINGTON ACADEMY OF SCIENCES

VOL. 12

APRIL 19, 1922

No. 8

MINERALOGY.—*Sincosite, a new mineral.* (Preliminary note.)¹

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The name sincosite is given to a green hydrous calcium vanadyl phosphate, $\text{CaO} \cdot \text{V}_2\text{O}_4 \cdot \text{P}_2\text{O}_5 \cdot 5\text{H}_2\text{O}$, occurring in a black carbonaceous shale near Sincos, Peru. The mineral forms rectangular plates and is uniaxial negative. Some of the crystals are biaxial. Sincosite belongs to the uranite group of minerals (autunite, torbernite, carnotite, etc.) and illustrates the unexpected "equivalent valency" of quadrivalent vanadyl-vanadium with hexivalent uranic-uranium. Analysis of sincosite: CaO, 12.1 (calc. 12.33); V_2O_4 , 36.3 (calc. 36.57); P_2O_5 , 31.7 (calc. 31.28); H_2O , 19.9 (calc. 19.82); Insoluble, 0.3; total, 100.3. The full description of the mineral and a discussion of the relationships of all the minerals of the uranite group, will be published soon.

MINERALOGY.—*Cristobalite from the Columbia River Basalt of Spokane, Wash.*² EARL V. SHANNON, United States National Museum.

Recently while engaged in studying the minerals contained in gas cavities in the Columbia River Basalt from Spokane, Washington, the writer has identified the rare mineral cristobalite in a number of specimens. Although all of the minerals of these specimens will be described in detail in the final paper, to be published in the *Proceedings* of the U. S. National Museum, it is desired here to call attention to this new occurrence of this rare mineral and to outline, briefly, the mineralogic features of the locality as indicated by the work thus far completed. The specimens were donated as a carefully selected series to the Museum by Mr. Henry Fair of Spokane, to whom grateful acknowledgment is here tendered.

The rock containing the minerals is the ordinary monotonous basalt of the vast Columbia River lava plateau and came from various street and railway excavations in the City of Spokane. The rock

¹ Received January 20, 1922.

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