

NEW MINERALS: DOUBTFUL SPECIES

CLASS: SULFIDES, ETC.

"Modderite"

R. A. COOPER: Mineral constituents of Rand concentrates. *Jour. Chem. Met Soc. S. Africa*, **24**, 90 (1923) and **24**, 264 (1924).

NAME: Derivation not given.

CHEMICAL PROPERTIES: Monosulfide of cobalt, CoS. Analysis (made on a sample containing considerable niccolite, galena and platinum metals): As 23.6; Co 11.4; Ni 3.6; S 23.7; Fe 22.8; Pb 6.8; Au, Ag and Pt metals 8.1.

PHYSICAL PROPERTIES: Color bluish white.

OCCURRENCE: Found in the concentrates of the mines of the Far East Rand, South Africa, and occurring only in minor amounts in the ore.

DISCUSSION: A cobalt monosulfide has been described and listed in Dana as *jaipurite*. The description of "modderite" adds nothing to this very doubtful species.

W.F.F.

CLASS: OXIDES

Iozite

ALBERT BRUN: Les Iozites; Nouvelle classe de minéraux dans les laves de volcans modernes. (Iozites: a new class of minerals in the lavas of modern volcanoes.) *Compt. Rend. Soc. Phys. Hist. Nat. Genève*, **41**, 94-96 (1924). Also *Arch. Sci. Phys. Nat. Genève*, **6**, 244-263 (1924).

NAME: From the Greek for iron rust. The general name iozites is proposed for those magnetites carrying an excess of FeO.

CHEMICAL COMPOSITION: Thought to be the ferrous oxide of iron. Formula FeO. No analysis is given but the composition is arrived at by the reduction of the mineral by hydrogen. Qualitative tests show the mineral to be an oxide of iron with minor amounts of manganese and titanium.

CRYSTALLOGRAPHIC PROPERTIES: The individual grains have square outline or appear to be octahedrons.

PHYSICAL PROPERTIES: Color black. Magnetic.

OCCURRENCE: Found as swarms of minute black granules around trichites of feldspar and pyroxene in basaltic or trachytic glass. Their average size is 5-10 μ . They have presumably been precipitated from the glass by the crystallization of the microlites.

DISCUSSION: The evidence is not sufficient to substantiate this as an occurrence of natural ferrous oxide. It has not been fully demonstrated that these bodies are not magnetite.

W.F.F.

CLASS: SILICATES.

Radiophyllite

Adele Brauns and R. Brauns: Ein Kalkzeolith aus der Gruppe der Glimmerzeolithe von Schellkopf bei Brenk (Oberes Brohltal). (A line-zeolite of the mica, zeolite group from Schellkopf near Brenk (Upper Brohltal). *Centr. Mineral. Geol.* **549** (1924).

NAME: In reference to its arrangement in radial plates.

CHEMICAL PROPERTIES: A hydrous silicate of lime. Formula: $\text{CaSiO}_3 \cdot \text{H}_2\text{O}$. Analysis (on material carrying admixed calcite): SiO_2 33.98, Al_2O_3 2.34, CaO 43.14, CO_2 10.99, H_2O 9.48; sum 99.93.

PHYSICAL AND OPTICAL PROPERTIES: Color white, $H=2-3$. Sp. Gr. 2.53. Uniaxial, negative.

OCCURRENCE: Found as small, radial platy to compact masses in the cracks in noselite-phonolite from Schellkopf near Brenk associated with phillipsite, calcite and aragonite.

DISCUSSION: Since the material analyzed was so impure and since no quantitative optical properties are given the mineral must be classed as doubtful. The massive mineral suggests the very doubtful mineral tobermorite. W.F.F.

NOTES AND NEWS

While the March issue was going through the press the Editor received the good news that Colonel Washington A. Roebling of Trenton, New Jersey, had given the Society a very substantial endowment, the income of which may be used for expanding the Society's publication, THE AMERICAN MINERALOGIST.

The letter, addressed to the treasurer, accompanying this generous gift is printed herewith in full.

Feb. 15, 1926.

Alexander H. Phillips,
Treas. Mineralogical Society of America,
Princeton University,
Princeton, N. J.

Dear Sir:

I hereby donate to the Mineralogical Society of America \$45,000 in bonds of the City and County of Honolulu, Hawaii, paying 5% per annum, due 1954. This gift is unconditional. I wish, however, that the whole or part of it be devoted to the publication of the monthly magazine THE AMERICAN MINERALOGIST, which has been conducted on too narrow a margin.

This magazine is the life of the Society. Its perusal is a pleasure to all lovers of minerals.

Sincerely yours,

(Signed) WASHINGTON A. ROEBLING

Witness:

(Signed) ROBERT B. GAGE

The Editor, in behalf of the officers and members of the Society, wishes to express to Col. Roebling his grateful appreciation for this timely gift, which will now permit THE AMERICAN MINERALOGIST to serve its constituency more adequately than has been possible in the past.