NEW MINERAL NAMES

Tirodite

J. A. DUNN, and P. C. ROY: Tirodite, a manganese amphibole from Tirodi, Central Provinces. *Rec. Geol. Surv. India*, **73**, pt. 2, 295–8 (1938), 1 figure.

NAME: From the locality Tirodi, Central Provinces, India.

CHEMICAL PROPERTIES: A silicate of magnesium and manganese of the amphibole group. Analysis: SiO_2 53.26, Al_2O_3 1.25, Fe_2O_3 2.63, FeO 1.06, MnO 8.25, MgO 31.26, CaO 1.11, K_2O 0.07, Na_2O 1.56, H_2O 0.05; sum 100.50.

PHYSICAL AND OPTICAL PROPERTIES: Color yellow. Luster vitreous. G. = 3.312. H = 6.5. Cleavage prismatic, 124°20′.

Biaxial, 2V = 88°. Optic plane (010). $Z \wedge c = 21°$. Dispersion $r > v$. α (pale yellow to colorless) = 1.629, β (pale yellow) = 1.639, γ (pale yellow to straw yellow) = 1.650.

OCCURRENCE: Found as coarse bladed prisms in coarse braunite-rock and braunite-spessartite-rhodonite-quartz rock. It is of metamorphic origin.

W. F. FOSHAG

Chkalovite

V. I. GERASIMOVSKY: Chkalovite. *Compt. Rend. (Doklady) Acad. Sci. U.R.S.S.*, **22**, 259–263 (1939), 2 figures.

NAME: In honor of Valery Pavlovich Chkalov, aviator, first to accomplish the non-stop flight from Moscow, via North Pole, to United States.

CHEMICAL PROPERTIES: A sodium beryllium silicate, $Na_2Be(SiO_3)_2$. Analysis (by Pereverzeva) SiO_2 56.81, Fe_2O_3 0.30, FeO 0.12, BeO 12.67, CaO 0.37, Na_2O 28.93, K_2O 0.13, H_2O— 110° 0.23, SO_3 0.22; sum 99.78. Easily soluble in hydrochloric and nitric acids, difficultly soluble in sulfuric acid. B. B. fuses to transparent colorless glass.

CRYSTALLOGRAPHIC PROPERTIES: Orthorhombic (from Lauegram normal to good cleavage).

PHYSICAL AND OPTICAL PROPERTIES: Color white, luster vitreous. Semitransparent. Cleavage fair. Fracture uneven to conchoidal. H = 6. G. = 2.662.

Biaxial, positive. 2V = 78°, $\alpha = 1.544$, $\gamma = 1.549$.

Optic axial plane parallel to the pronounced cleavage. Also shows two indistinct cleavage directions.

OCCURRENCE: Found in ussingite veinlets, somewhat resembling natrolite, in the Lovozero alkaline massifs at Punkaruayv Mountain, Kola. Associated minerals are schizolite, sphalerite, microcline, sodalite, eudialyte, neptunite, etc.

W. F. F.

Mineral Day at the World's Fair

Monday, June 17, 1940, has been set aside as Mineral Day at the New York World's Fair. Special programs are being arranged and unusual privileges will be accorded to all interested in the mineral exhibits at the Fair.

The Society regrets to announce the death of Professor Waldemar C. Brøgger, one of the eight Correspondents of the Mineralogical Society of America. Dr. Brøgger passed away on February 17 at the age of eighty-eight years.