

June 3, 1937

Mr. Arndt presided at a stated meeting with 49 members and 27 visitors present. Albert Jehle was elected to junior membership, and Joseph Berman to senior membership.

Vice-president Joseph L. Gillson described his "Rambling in the Southwest," with descriptions of the fluor spar deposits of New Mexico, and the titaniferous magnetite deposits of the San Gabriel Mountains in California.

Dr. H. E. McKinstry discussed the distribution of metamorphic minerals in southeastern Pennsylvania, particularly in the Wissahickon gneiss. He requested that members report occurrences of garnet, staurolite, cyanite, and sillimanite in the area between the Delaware River and the Susquehanna.

A number of trips were reported: Albert Jehle and Leonard Morgan, collected at Ellenville, N. Y. (quartz, galena), at Hudson, N. Y. (fluorescent and phosphorescent selenite); Louis Moyd, at Chimney Rock, N. J. (calcite); Edwin Roedder, at Media, Pa. (a feldspar crystal).

W. H. FLACK, *Secretary*

NEW MINERAL NAMES

Arsenostibite

P. QUENSEL: Minerals of the Varuträsk Pegmatite. III. Arsenostibite, a hydrous oxidation product of allemontite. *Geol. Fören. Förhandl. Stockholm.*, vol. 59, pp. 145-149, 1937.

CHEMICAL PROPERTIES: A hydrous oxide of antimony and arsenic, $(R_2O_3, R_2O_5) \cdot 3H_2O$. Analysis: Sb_2O_5 45.4, As_2O_5 5.8, Sb_2O_3 4.3, As_2O_3 5.6, Fe_2O_3 6.2, Bi_2O_3 0.3, CuO 0.0, H_2O - 8.1 H_2O + 6.6, insol. 18.1; Sum 100+.

PHYSICAL PROPERTIES: Color, sulfur-yellow. Isotropic, with index of refraction variable, 1.670-1.685.

OCCURRENCE: Found as a porous coating, an alteration of allemontite from the pegmatite at Varuträsk, Sweden.

W. F. FOSHAG

Alpha-wiikite

Beta-wiikite

JALO ANT-WUORINEN: Der Wiikite und Seine Chemische Zusammensetzung. 2d Mitt. *Bull. Com. Geol. Finlande*, No. 115, pp. 213-229, 1936.

Wiikite is interpreted as an isomorphous mixture of (1) Alpha-wiikite, $3CaO \cdot UO_3 \cdot 1.5Cb_2O_6 \cdot 1.5H_2O$ and Beta-wiikite, $2Y_2O_3 \cdot 1.5Cb_2O_6 \cdot 1.5H_2O$.

W. F. F.

NEW DATA

Tuhualite

P. MARSHALL: The mineral tuhualite. *Trans. Proc. Roy. Soc. N. Z.*, vol. 65, pp. 330-336, 1936, 11 text figures.

CHEMICAL COMPOSITION: Analysis (by Mrs. F. T. Seelye) (calculated from rock analyses), SiO_2 75.36, Al_2O_3 9.33, Fe_2O_3 3.61, FeO 2.33, MgO 0.06, CaO 0.25, Na_2O 4.75, K_2O 4.06, H_2O - 0.21, H_2O + 0.12, TiO_2 0.23, MnO 0.18; Total 100.16.

CRYSTALLOGRAPHICAL PROPERTIES: Orthorhombic. $a=0.915$, $c=0.512$. Habit prismatic. Forms: (100), (010), (001), (110), (111), (011), (021). $a \wedge m = 42.3^\circ \pm 1.5^\circ$, $c \wedge (011) = 37.4^\circ \pm 0.6^\circ$. Sometimes twinned, with brachydome as the twinning and composition plane.

PHYSICAL AND OPTICAL PROPERTIES: Color black to very dark blue; luster submetallic. Pleochroism strong. $X=a$, palest pink, $Y=b$, purple; $Z=c$, deep violet. $\alpha=1.601$, $\gamma=1.607$. Birefringence moderate. Biaxial, negative, $2V=65^\circ-70^\circ$. Dispersion $r>v$. Cleavages basal, macropinacoidal and brachypinacoidal, good. G. 2.87.

ALTERATION: Frequently altered to a greenish yellow mineral; pleochroic, X =pale yellowish green, Z =deep olive green. Habit flaky. Biaxial, $2V$ large. Birefringence 0.01; lamellar twinning common with symmetrical extinction angles of $20^\circ-24^\circ$.

W. F. F.

LIST OF ERRATA

The following misprints appeared in the May issue:

- p. 520, line 16 from top, read "enargite," instead of "energite."
- p. 569, last line of footnote, read " β 1.584," instead of " β 1.548."
- p. 586, in Table, read "Beryl," instead of "Bery."
- p. 605, line 6 from top, read "Schaller," instead of "Scaller."
- p. 663, line 11 from top, read " $2Ag_3S$," instead of " $2Ag_4S$."
- p. 720, under Fig. 1, read "Almandine," in place of "Alamandine."
- p. 722, Table 2, column 3 (for Fe_2O_3 , read "1.50," instead of "1.55." Column 5, summation should read "100.25," instead of "10.25."
- p. 726, Table above Fig. 3, under Pyroxmangite, read " γ 1.764," instead of " γ 1.746." Under Iron Rhodonite, read " $2V_\gamma$ 37°," in place of " $2V_\gamma$ 27°."