

PROCEEDINGS OF SOCIETIES

PHILADELPHIA MINERALOGICAL SOCIETY

Academy of Natural Sciences of Philadelphia, June 7, 1934.

Vice-president Arndt presided at a stated meeting, with 50 members and 35 visitors present. Professor Frederick Oldach addressed the society on "The Cornwall Ore-body." Specimens were exhibited.

The secretary presented a report of the Cornwall trip on May 20th, which produced magnetite, andradite, pyrite, calcite, serpentine, copper, and in the micropegmatite: titanite, epidote, quartz, microcline, apatite. Other trips reported were: by Alexander Fleming, Jr., Blue Ball, Lancaster County (calcite and pink dolomite); Morrell Biernbaum, Black Lake area, Canada (chromite, garnet, diopside); Mr. Toothaker exhibited obsidian from Oregon.

Academy of Natural Sciences of Philadelphia, September 6, 1934.

Vice-president Arndt presided at a stated meeting; 40 members and 18 visitors were present.

The following summer trips were reported: Dr. Baldwin Lucke, Bad Lands, South Dakota, (sand-calcite crystals); John Vanartsdalen, Montclair, N.J., (smoky quartz crystals); Leonard A. Morgan, Clay Center, Ohio, (celestite crystals from the dumps); William Hunt, Henderson station, Pa., (limonite geode, "rattle box"); William Knabe, Pensauken, N.J., (limonite pipes); Byers, Pa., (graphite); Blue Ball, Lancaster County, Pa., (calcite); Jones Mine, Berks County, Pa., (chryso-colla); William Knabe, Charles R. Toothaker, and Samuel G. Gordon, Amelia, Va., (amazonstone, beryl, topaz, tantalite, microlite, albite); Roseland, Va., (rutile and blue quartz); Cockeysville, Md., (pyrite, tremolite, tourmaline, phlogopite); Wood's Chrome Mine, Lancaster County, Pa., (brucite and chromite from dumps); Louis Moyd, Jones Mine, Berks County, Pa., (aragonite and magnetite); Earle M. Floyd, visitor, Colorado, (ferberite, gypsum, aragonite, pyrite, natural coke, leopardite), Arizona, (turquoise), New Mexico, (molybdenite); C. N. Langner exhibited various specimens from a western trip; William Parrish visited Cornwall, Wood's Chrome Mine, and Paterson; Nicola D'Ascenzo, Strickland's Quarry, Conn., (tourmaline, beryl), Westfield, Mass., (datolite, epidote, prehnite, calcite), Blue Ball, Lancaster County, Pa., (dolomite in pink crystals); Harry W. Trudell, Lancaster County, Pa.; Ernest Weidhaas, visitor, Bedford, N.Y., (autunite); Edmund Cienkowski, Amelia, Va., (tantalite, microlite, amazonstone, albite), Statesville, N.C., (quartz, rutile, zircon, corundum), Spruce Pine, N.C., (hyalite, beryl, samarskite, gummitte, actinolite, talc, uranophane); Hot Springs, Ark., (quartz crystals), Magnet Cove, Ark., (brookite, eudialyte, rutile, lodestone), at the mercury mines, cinnabar; Tristate area (calcite twins, dolomite, marcasite, galena, enargite); Keokuk, Iowa (geodes); Clay Center, Ohio, (fluorite, calcite, celestite); Morrell Biernbaum, Cornwall, Pa., (magnetite crystals); the secretary exhibited various specimens he had acquired.

Academy of Natural Sciences of Philadelphia, October 4, 1934.

Vice-president Arndt in the chair, with 54 member and 37 visitors present. The present officers were reelected: Dr. Joseph L. Gillson, president; Harold W. Arndt, vice-president; Wylie H. Flack, secretary; Morrell G. Biernbaum, treasurer; and Charles R. Toothaker, councillor.

Dr. William S. Newcomet described a trip, illustrated with lantern slides, taken while traveling through Switzerland, Austria, Poland, and Russia. Details were given regarding the mineral collections seen.

The following trips were reported: Arnold Morris, Thomasville, Pa., (calcite crystals); Nicola D'Ascenzo and Charles R. Toothaker, Bedford, N.Y., (rose quartz, columbite, beryl, gummite, uraninite); Arthur Dornblum, Bedford, (uraninite); John Vanartsdalen, Vanartsdalen's quarry, Bucks County, (graphite in blue quartz); Edmund Cienkowski exhibited specimens from his western trip.

Academy of Natural Sciences of Philadelphia, November 1, 1934.

Vice-president Arndt in the chair, with 46 members and 19 visitors present. Dr. C. W. Rodman addressed the society on "Tungsten, Molybdenum, and Vanadium; Principal Sources, Uses, and Marketing Methods."

The following trips were reported: Alexander Fleming, Jr., Perkiomenville, Pa., (a mass of brown calcite, resembling stilbite); Rady Miller exhibited ferberite from Colorado, and molybdenite from Wilmington, N.Y.

WYLIE H. FLACK, *Secretary*

NEW MINERAL NAMES

Jarlite

RICHARD BØGGVAD: New Minerals from Ivigtut, Southwest Greenland. *Meddelelser om Grønland*, 92, No. 8, 1-11, 1933, with 2 plates.

NAME: In honor of Mr. C. F. Jarl.

CHEMICAL PROPERTIES: A fluoride of sodium, strontium and aluminum: $\text{Na Sr}_3\text{Al}_3\text{F}_{16}$. Analysis (by Ragnar Blix): $\text{H}_2\text{O}(-105^\circ)$ 0.08, $\text{H}_2\text{O}(+105^\circ)$ 2.91, F 43.23, Li 0.08, Na 3.23, Mg 0.90, Ca 0.55, Sr 35.60, Ba 0.99, Al 12.16, Fe 0.17; sum 99.90. Soluble in aluminum chloride. B. B. Fuses easily with effervescence and gives an alkaline reaction.

CRYSTALLOGRAPHICAL PROPERTIES: Monoclinic. Forms, a (100), c (001), r ($\bar{1}01$), m (110), b (010). $a:b:c=1.46:1:2.58$. $\beta=69^\circ 20'$.

PHYSICAL AND OPTICAL PROPERTIES: Colorless to slightly brownish. Hd. 3-4, $G=3.93$.

Biaxial, negative (may be in part positive?) $\alpha=1.427$, $\beta=1.432-1.433$, $\gamma=1.435$. $2V=78^\circ 10'-80^\circ 00'$.

OCCURRENCE: In the cryolite quarries at Ivigtut as a dike-like formation with barite, partially dissolved remnants of cryolite and gearnakutite (?) and thomsenolite.

W. F. F.

Metajarlite

RICHARD BØGGVAD: *Ibid*, pp. 7-11

CHEMICAL PROPERTIES: Like jarlite. Analysis: $\text{H}_2\text{O}(-105^\circ)$ 0.08, $\text{H}_2\text{O}(+105^\circ)$ 2.14, F 45.50, Li 0.04, Na 3.54, Mg 1.38, Ca 3.20, Sr 28.70, Ba 2.25, Al 12.49, Fe 0.31; sum 99.63.

PHYSICAL AND OPTICAL PROPERTIES: Color gray. Hd. 4-4.5, $G=3.780-3.781$.

Biaxial, probably positive. $2V$ near 90° . $n=1.432$.

OCCURRENCE: Found in individuals up to 5 mm. long embedded in chiolite, associated with pyrite, topaz, fluorite and cryolite.