

THE MINERALOGICAL SOCIETY OF AMERICA

FIFTEENTH ANNUAL MEETING

December 27-29, 1934

Rochester, New York

PROGRAM

JOHN E. WOLFF, *Presidential Address: The Crazy Mountains, Montana—an area of super-alkaline and sub-alkaline Tertiary intrusive rocks, and their problems.*

PRELIMINARY LIST OF PAPERS

To be presented Thursday, December 27, 1934, after the business session at 2 P.M., and on the afternoon of Friday, December 28, 1934.

M. J. BUERGER—*The Silica Frame-Work Crystals and their Stability Fields.*

N. L. BOWEN—*Preliminary Note on a Series of Synthetic Fluor-Amphiboles.*

T. L. WALKER—*The Amber from Cedar Lake, Manitoba.*

TOM. F. W. BARTH—*Synthesis, Constitution and Optical Properties of the Noselite-Häüyne Series.*

LEWIS S. RAMSDELL—*X-Ray data on the system  $K_2SO_4$ - $MgSO_4$ - $CaSO_4$ .*

R. J. COLONY—*Mineralogical Observations on Silicosis.*

M. A. PEACOCK—*On Topaz from Devil's Head, Colorado.*

L. H. BAUER AND H. BERMAN—*Xonotlite from Franklin, N. J.*

D. JEROME FISHER—*Crystal Classification and Symbolism.*

G. TUNELL AND C. J. KSANDA—*The Crystal Structure of Calaverite.*

J. J. RUNNER—*Morinite from Black Hills Pegmatite.*

E. P. HENDERSON AND JEWELL J. GLASS—*Pyroxmangite from Idaho.*

A. H. PHILLIPS AND H. H. HESS—*Metamorphic Differentiation at Serpentine—Country Rock Contacts.*

A. F. ROGERS—*The Chemical Formula and Crystal System of Alleghanyite.*

A. L. PARSONS—*Linear Mineralogical Arithmetic.*

- J. D. H. DONNAY—Friedel's Law of Mean Indices.
- J. F. SCHAIRER AND N. L. BOWEN—Fusion Relations of the Feldspathoids, the Alkali Feldspars and Silica.
- P. F. KERR—A Scheelite-Beryl Deposit at Oreana, Nevada.
- A. M. WINCHELL—Further Studies in the Pyroxene Group.
- M. J. BUERGER—The Application of Plane Groups to the Interpretation of Weissenberg Photographs.
- LEWIS S. RAMSDELL—A Derivation of the fourteen Bravais Space-Lattices.
- R. J. COLONY—Schiller Structure.
- M. A. PEACOCK—On the Choice of Crystallographic Elements.
- HARRY BERMAN—Crystallography of Mullite.
- A. F. ROGERS—Use of the term Syngony in Geometrical Crystallography.
- R. H. BRAY, R. E. GRIM AND P. F. KERR—Technique for the Investigation of Argillaceous Sediments.
- DUNCAN STEWART, JR.—Notes on Some Rocks from Adelie Land and the Antarctic Archipelago.
- B. M. SHAUB—Some Applications of Color Photography in Mineralogy.
- A. E. ALEXANDER—Differentiation of the Onondaga formation by means of heavy mineral studies.
- W. V. HOWARD—Crystallographic Expression of the Results of the Theory of Space Groups.
- JAMES S. WISHART—Studies in the Chromite Group.
- DONALD M. FRASER—Microscopical Investigation of Friedensville Zinc Ores.
- ROBERT D. BUTLER—Mylonitic Sphalerite from Friedensville, Pennsylvania.
- FRED JOLLIFFE—A Study of Greenalite.
- L. V. FOSTER—Microscope Optics.
- G. M. YATSEVITCH—On Herderite from Topsham, Maine.
- FREDERICK H. POUGH—New Occurrences of Phenacite.
- DUNCAN MCCONNELL—Spherulitic Concretions of Dahllite from Ishawooa, Park Co., Wyoming.
- ALFRED L. RANSOME—The Occurrence of Enargite and Plumbojarosite at Picher, Oklahoma.
- JULIAN J. PETTY—Origin and Occurrence of Fulgurites in the Atlantic Coastal Plain.
- RALPH J. HOLMES—X-Ray Studies of Nickel-Cobalt Arsenides.

LLOYD W. STAPLES—**Austinite, a new arsenate mineral, from Gold Hill, Utah.**

——— **Adamite from Gold Hill, Tooele Co., Utah.**

ARTHUR L. HOWLAND—**An Occurrence of Barite in the Red Beds in Colorado.**

ALFRED C. HAWKINS—**Distribution of Heavy Minerals in the Cretaceous of Middlesex County, New Jersey.**

A complete list of titles together with abstracts will be published by the Geological Society of America, and will be available for distribution in Rochester.

Headquarters and place of registration will be in the Chester Dewey Building of the River Campus, University of Rochester.

Arrangements are being made for reduced railroad rates on the certificate plan for all members of the Mineralogical Society of America and their families. Certificates will be mailed from the Secretary's office about December 1st. Be sure to fill out the identification certificate for each ticket at the time of purchase. Extra certificates will be mailed on request.

PAUL F. KERR, *Secretary*

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#### Correction

On page 350, lines 10–12 should read: “the twin axis is  $\perp(110)$  (if the crystallographic elements be taken analogous to those of mica);”.