

THE MINERALOGICAL SOCIETY OF AMERICA

SIXTEENTH ANNUAL MEETING

CLARENCE S. ROSS, *President*

PAUL F. KERR, *Secretary*

New York, New York

December 26-28, 1935

PRELIMINARY LIST OF PAPERS

To be presented Thursday, December 26, 1935 after the business session at 1:30 P.M., on Friday after 1:30 P.M. and on Saturday after 9:30 A.M. in the Jade Room of the Waldorf-Astoria Hotel, Park Avenue at 50th Street.

CLARENCE S. ROSS—*Presidential Address, Mineralization in the Virginia Titanium deposits.*

WALDEMAR T. SCHALLER—*The Origin of Kernite and Borax in the Kramer Borate Field, California.*

—————*The Chemical Composition of Sepiolite, (Meerschaum).*

CHARLES PALACHE—*Experiments in Mounting Minerals for Exhibition.*

—————*Babingtonite from Westfield, Massachusetts.*

W. A. TARR AND W. D. KELLER—*Dickite in Missouri.*

T. L. WALKER—*Determination of the Mineral Composition of Mine Dust by Means of X-rays.*

J. W. GREIG, H. E. MERWIN AND E. POSNJAK—*Separation Planes in Magnetite.*

C. B. SLAWSON—*High Iron Tourmaline from Marquette Iron Range.*

T. L. WALKER AND A. L. PARSONS—*How to Make the Public Observe and Think in the Mineral Gallery.*

C. B. SLAWSON AND M. V. DENNY—*The Teaching Museum, an Aid to Class Instruction.*

JOHN W. GRUNER—*Hydrothermal Alteration of Montmorillonite to Feldspar at 245° C. and 300° C.*

—————*The Probable Identity of the Structures of Greenalite (Mesabi Range) and Iron Serpentine.*

—————*Some Notes on the Structure of Stilpnomelane.*

- SAMUEL GORDON—New Cases for the Display and Storage of Specimens.
- ALFRED C. HAWKINS—Calcite Crystals from North Plainsfield, New Jersey.
- A. E. ALEXANDER—The Refractive Indices of Natural Resins.
- AUSTIN F. ROGERS—A Tabulation of Crystal Forms and Discussion of Form-Names.
- Mineraloids.
- The Small Laboratory Museum Collection.
- H. P. WHITLOCK—The Mineral Museum and the People.
- C. R. TOOTHAKER—Mineralogy in the Commercial Museum.
- GEORGE W. MOREY AND EARL INGERSO—The Melting of Danburite.
- LLOYD W. STAPLES—Microchemical Methods in Determinative Mineralogy.
- DONALD M. FRASER—Shearing Action in the Durham and Reading Hills, Pennsylvania.
- M. J. BUERGER—The Crystal Structure of Berthierite.
- The Crystal Structure of Cubanite.
- The Crystal Structure of Valentinite.
- The Crystal Structure of the Arensopyrite Group.
- The Ordered-disordered Transformation in Arsenopyrite.
- HARRY BERMAN—Outline of a Classification of the Silicates.
- M. A. PEACOCK—On Roselite and the Rule of Highest Pseudo-Symmetry.
- W. E. RICHMOND, JR.—Crystallography of Livingstonite.
- C. S. HURLBUT, JR.—Differentiation in the Shonkin Sag Laccolith.
- C. D. WEST—Immersion Liquids of High Refractive Index.
- J. C. HAFF—The Dikes of Cape Nedick, Maine.
- R. J. HOLMES—An X-ray Study of Allemontite.
- E. N. GODDARD—Deposits of Radioactive Cerite near Jamestown, Colorado.
- J. F. SHAIRER AND N. L. BOWEN—Pseudowollastonite and Wollastonite Solid Solutions with Diopside and Akermanite.
- TOM W. BARTH—Crystallography of the Vivianite Group.
- JEWELL J. GLASS—Anorthite from Duke Island, Alaska.
- A. H. PHILLIPS AND H. H. HESS—Chemical Composition and Optical Properties of some Calcic Plagioclases.
- Variations in Plagioclases, Pyroxenes, and Olivines in the Stillwater Igneous Complex.

H. W. MORSE AND J. D. H. DONNAY—Optics and Structure of Three Dimensional Spherulites.

E. H. WATSON—Alteration of Gabbro near Philadelphia, Pa.

GEORGE TUNELL AND C. J. KSANDA—Relationship Between the Structural and Morphological Elements of Krennerite, Calaverite and Sylvanite.

A. N. WINCHELL—A Third Study of Chlorite.

LLOYD FISHER—Minerals in the Bates Limestone, Lewiston, Maine.

R. E. MACADAMS—The Accessory Minerals of the Wolf Mountain Granite, Llano County, Texas.

BENNETT FRANK BUIE—A Peculiar Form of Differentiated Igneous Intrusion.

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#### Correction

At the bottom of page 695, Greek gamma erroneously stands in place of Greek alpha.

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The Cleveland Mineralogical Society founded on July 24, 1935, held its first meeting on October 2. The Society holds monthly meetings in the mineralogical room of the Department of Geology, Western Reserve University. The officers of the Society are:

George C. Whitaker, President

Harold S. Booth, Vice-President

A. S. Furcron, Councillor

Robert H. Long, Secretary-Treasurer