

MINERALOGICAL SOCIETY OF AMERICA

SEVENTEENTH ANNUAL MEETING

WILLIAM S. BAYLEY, *President*

PAUL F. KERR, *Secretary*

Cincinnati, Ohio

December 29-31, 1936

The annual meeting of *The Mineralogical Society of America* will be held in the Netherland Plaza Hotel in conjunction with the Geological Society of America. It is planned to hold three sessions. The first session will be on Tuesday, December 29th at 2:00 P.M. and the second session on Thursday, December 31st at 9:30 A.M. A joint session with the Geological Society of America for the presentation of papers on petrographic subjects will be held on Wednesday, December 30th at 2:00 P.M.

The *presidential address* of Dr. William S. Bayley, retiring president of the Mineralogical Society of America, entitled *Mineralogy's Contribution to the Other Sciences and to Industry* will be presented before the general session of all societies on Wednesday morning.

An informal luncheon for all members of the Mineralogical Society and their friends will be held at 12:30 on Wednesday, December 30th.

In view of the fact that reduced railroad rates are now in effect, no certificates are being offered for the use of Society members.

PRELIMINARY LIST OF PAPERS

GEORGE H. ANDERSON AND DONALD D. MACLELLAN—**An Unusual Feldspar from the Northern Inyo Range.**

CHARLES B. BEHRE, JR.—**Mineralogy of the Wisconsin Lead-Zinc Ores.**

HARRY BERMAN—**The Structural Lattice and Classification of Bustamite.**

NORMAN L. BOWEN—**The System  $\text{NaAlSiO}_4\text{-FeO-SiO}_2$ .**

M. J. BUERGER—**The Valences of Iron in Pyrite and Marcasite.**

————— **An Apparatus for the Precision Determination of Single Crystal Lattice Constants.**

————— **The Weissenberg Treatment of Crystals Belonging to the Oblique Systems.**

N. W. BUERGER—**The Unit Cell and Space Group of Sternbergite.**

JOHN W. BUTLER, JR.—**On the Time Required to Form the Olivine Zone in the Palisades Sill, New Jersey.**

J. D. H. DONNAY—**The Crystallographic Series of Baumhauer and Ungemach, a Theoretical Consequence and Factual Confirmation of the Law of Bravais.**

- R. C. EMMONS—A Universal Stage Method of Determining Birefringence.
- R. C. EMMONS AND RAY WILCOX—A Mineralogic Study of Silicosis.
- H. W. FAIRBAIRN—Enantiomorphous Quartz in Tectonites.
- JOHN W. GRUNER—Unusually High Feldspar Content of the Glenwood Shale.
- Some Notes on the Structure of Stilpnomelane.
- GEORGE R. HEYL—The Lamprophyres of the Bay of Exploits, Newfoundland.
- EDWARD H. KRAUS—Observations on the Production of Synthetic Gems.
- JOHN T. LONSDALE—The Plantersville Meteorite, Grimes County, Texas.
- CHARLES H. MOORE, JR.—The Staurolite Belts of Patrick and Henry Counties, Virginia.
- M. A. PEACOCK—On Normal Triclinic Face-Symbols and the Harmonic Arithmetic Rule.
- M. A. PEACOCK AND M. C. BANDY—Ungemachite and Clino-ungemachite: New Minerals from Chile.
- TERENCE T. QUIRKE—2E Goniometer.
- TERENCE T. QUIRKE AND LOUIS C. MCCABE—Refractive Indices of Vitreous Silica.
- L. S. RAMSDELL—Crystallography and Unit Cell of Synthetic Burkeite.
- AUSTIN F. ROGERS—The Symmetry of Ice.
- J. F. SCHAIRER—The Ternary System, Leucite-Diopside-Silica.
- BENJAMIN M. SHAUB—Paragenesis of the Uranium-Bearing and Associated Minerals Occurring Northeast of Grafton Center, New Hampshire.
- C. B. SLAWSON—Checking Index Liquids with a Microscope.
- H. T. V. SMITH—Simplified Graphic Method of Determining Approximate Axial Angle from Refractive Indices of Biaxial Minerals.
- LESTER W. STROCK—Defect Lattices in Crystal Structures.
- The Distribution of Lithium in Rocks and Minerals as Revealed by Quantitative Spectrum Analysis.
- W. A. TARR—The Trend of Mineralogical Research.
- GEORGE TUNELL AND C. J. KSANDA—The Crystal Structure of Krennerite.
- WILLIAM D. URRY—Helium Ratio of Florida Anhydrite.
- A. N. WINCHELL—Further Studies of the Zeolites.