

PROCEEDINGS OF THE FIRST¹ ANNUAL MEETING OF THE
SOCIETY OF ECONOMIC GEOLOGISTS, AMHERST, MAS-
SACHUSETTS, DECEMBER 28-30, 1921.²

SYDNEY H. BALL, *Secretary*

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SESSION OF WEDNESDAY, DECEMBER 28

The first annual meeting of the Society of Economic Geologists was held at Amherst College, Amherst, Massachusetts, on December 28 to 30, 1921, in affiliation with the Geological Society of America.

The session of Thursday was called to order by President R. A. F. Penrose, Jr.

ELECTION OF OFFICERS FOR 1922

The election of officers for 1922 was declared to have resulted as follows:

President, WALDEMAR LINDGREN

Vice-President, RALPH ARNOLD •

Secretary and Treasurer, SYDNEY H. BALL, 42 Broadway,
New York City

Councilors, 1922-1923, JAMES F. KEMP and C. K. LEITH

¹ The meeting at Chicago, December 28-29, 1920, was called, by resolution of the Society, the "organization meeting"; the meeting at Amherst, therefore, becomes the first annual meeting.

² Prepared by the Secretary of the Geological Society of America from information furnished from the office of the Secretary of Economic Geologists.

The following program was then taken up:

PRESENTATION OF PAPERS

THE SOCIETY OF ECONOMIC GEOLOGISTS—ITS SPHERE AND FUTURE

PRESIDENTIAL ADDRESS BY R. A. F. PENROSE, JR.

PLAIN GEOLOGY

BY GEORGE OTIS SMITH

The paper was discussed by J. E. Spurr, Robert Anderson, L. C. Graton, A. M. Bateman, Waldemar Lindgren, and H. G. Ferguson.

GEOLOGY OF THE BRADEN MINE, CHILE

BY WALDEMAR LINDGREN AND EDSON S. BASTIN

The paper was read by the senior author and discussed by A. M. Bateman, L. C. Graton, J. E. Spurr, and others.

STRESSING ECONOMICS IN THE TEACHING OF ECONOMIC GEOLOGY

BY EDSON S. BASTIN

The paper was discussed by George Otis Smith, J. E. Spurr, and R. W. Stone.

OIL AND GAS SECTION OF THE COURSE IN ECONOMIC GEOLOGY

BY R. H. JOHNSON

EXPERIMENTAL STUDY OF THE INVASION OF OIL INTO A WATER-WET SAND

BY O. W. SKIRVIN³

Discussed by R. H. Johnson.

RESULTS OBTAINED BY IMPROVED METHODS OF EXTRACTING PETROLEUM

BY ROBERT B. BOSSLER⁴

PROBABLE ORIGIN OF CERTAIN VEIN STRUCTURES

BY L. C. GRATON

A RECENT HOT-SPRING DEPOSIT IN BOLIVIA

BY WALDEMAR LINDGREN

A SUGGESTION FOR THE TERMINOLOGY OF CERTAIN ORE DEPOSITS

BY WALDEMAR LINDGREN

³ Introduced by R. H. Johnson.

⁴ Introduced by G. H. Ashley.

SESSION OF THURSDAY, DECEMBER 29

The Society convened about 9.00 o'clock and took up the program of papers, as follows:

PRESENTATION OF PAPERS

ORE DEPOSITS OF LEADVILLE, COLORADO

BY G. F. LOUGHLIN

GOLD-BEARING CUMMINGTONITE SCHISTS OF THE BLACK HILLS, SOUTH DAKOTA

BY J. J. RUNNER⁵

Discussed by Waldemar Lindgren.

PETROGRAPHIC NOTES ON THE FRANKLIN, NEW JERSEY, ZINC ORES

BY W. C. BOWEN⁶

The paper was discussed by L. C. Graton, H. Ries, and others.

PRIMARY NATIVE SILVER ORES NEAR WICKENBURG, ARIZONA, AND THEIR BEARING ON THE GENESIS OF THE SILVER ORES OF COBALT, ONTARIO

BY E. S. BASTIN

Discussed by L. C. Graton, M. B. Baker, and A. M. Bateman.

NEED OF EXPEDITING TOPOGRAPHIC MAPPING OF THE UNITED STATES

BY F. W. DE WOLF

The paper was largely discussed, and on motion of L. C. Graton a resolution of appreciation was adopted.

SESSION OF FRIDAY, DECEMBER 30

The following program of papers was presented at the session of Friday, December 30:

PRESENTATION OF PAPERS

HAZARDS OF THE OIL INDUSTRY

BY RALPH ARNOLD

Read in abstract by Waldemar Lindgren in the absence of the author.

⁵ Introduced by E. S. Bastin.

⁶ Introduced by H. Ries.

REFLECTED HILLS IN PETROLEUM GEOLOGY

BY SIDNEY POWERS

Read in abstract by Waldemar Lindgren in the absence of the author.

STUDY OF SUPERGENE PROCESSES AT NEIHART, MONTANA

BY M. E. HURST

Discussed by J. E. Spurr, E. S. Bastin, L. C. Graton, H. G. Ferguson, G. F. Loughlin, W. A. Parks, A. F. Rogers, and A. M. Bateman.

GEOLOGICAL AND GEOGRAPHICAL OCCURRENCE OF PRECIOUS STONES

BY SYDNEY H. BALL

Read in abstract by A. M. Bateman in the absence of the author.
Discussed by G. F. Loughlin, R. W. Stone, John E. Dresser.

SOME ETCHING TESTS ON PYRRHOTITE

BY H. C. BOYDELL

Read by title in the absence of the author.

CONDITION OF MAGNESITE IN 1920

BY R. W. STONE

Discussed by E. S. Bastin, G. F. Loughlin, R. W. Stone, and A. M. Bateman.