MINERALOGICAL SOCIETY OF AMERICA
PROCEEDINGS FOR 1944
C. S. HURLBUT, JR., Secretary.

Because of the situation created by the war no meeting of the Mineralogical Society of America was held in 1944, nor was there a meeting of the Council of the Society. However, arrangements were made to hold a meeting of the Council in New York City in February 1945.

The various reports of the officers of the Society for the year 1944 are submitted here-with together with abstracts of two papers presented by title.

ELECTION OF OFFICERS AND FELLOWS FOR 1945.
REPORTS OF THE SECRETARY, EDITOR, TREASURER AND AUDITING COMMITTEE.
LIST OF FORMER OFFICERS AND MEETING PLACES OF THE SOCIETY.
CORRESPONDENTS, FELLOWS, MEMBERS, AND SUBSCRIBERS OF THE MINERALOGICAL SOCIETY OF AMERICA.

ABSTRACTS OF PAPERS PRESENTED BY TITLE

Nepheline Syenites of Wausau, Wisconsin
R. C. Emmons, University of Wisconsin, Madison, Wisconsin.

The area in which the nepheline occurs is one in which the roof of the Wisconsin batholith is truncated by the erosion surface and is characterized by alternating roof pendants and cupolas. Some of the cupolas are areas of aplite and one is an area of syenite aplite, several miles across. This syenite aplite is sheared along definite fault lines of parallel trend. These faults are intruded by igneous material which is apparently refused syenite aplite. The intrusive material is syenite and nepheline syenite. Some of these dike rocks carry commercial quality nepheline and feldspar.

Groutite, HMnO₃, a New Mineral of the Diaspore-Goethite Group
John W. Gruner, University of Minnesota, Minneapolis, Minnesota.

This new manganese mineral occurs in vugs in the iron ores of the Cyuna range in Minnesota. Beautiful groups of crystals have been obtained. The crystals are flattened normal to c, and the faces are usually rounded, resulting in wedge- or lens-shaped individuals. The zone [001] is striated. Axial ratio a:b:c = 0.4262:1:0.2663. Unit cell, a₀ = 4.56Å, b₀ = 10.70Å, c₀ = 2.85Å. The cleavage is very perfect parallel to [010], less so parallel to [100]. G. = 4.14, theoretical density = 4.172. Color, jet black; Streak, dark brown. The luster is splendid submetallic to adamantine. Pleochroism is strong. The mineral has been named in honor of Professor Frank F. Grout.

ELECTION OF OFFICERS AND FELLOWS FOR 1945

There were 369 ballots cast for officers of the Society as nominated by the Council. The following were elected:

President: K. K. Landes, University of Michigan, Ann Arbor, Michigan.
Vice-President: George Tunell, Geophysical Laboratory, Washington, D. C.
Secretary: C. S. Hurlbut, Jr., Harvard University, Cambridge, Massachusetts.
Treasurer: Earl Ingerson, Geophysical Laboratory, Washington, D. C.
Editor: Walter F. Hunt, University of Michigan, Ann Arbor, Michigan.
According to the provisions of the constitution, the following have been elected to fellowship:

Barnes, Virgil E., University of Texas, Austin, Texas.
Nagelschmidt, Gunther, Rothamsted Experimental Station, Harpenden, England.
Park, Charles Frederick, Jr., U. S. Geological Survey, Washington, D. C.
Phemister, Thomas Crawford, University of Aberdeen, Aberdeen, Scotland.
Switzer, George, Yale University, New Haven, Connecticut.
Wahlstrom, Ernest E., University of Colorado, Boulder, Colorado.
Wayland, Russell G., Army and Navy Munitions Board, Washington, D. C.

REPORT OF THE SECRETARY FOR 1944

To the Council of the Mineralogical Society of America:

<table>
<thead>
<tr>
<th></th>
<th>1943</th>
<th>1944</th>
<th>Gain</th>
<th>Loss</th>
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<tbody>
<tr>
<td>Correspondents</td>
<td>6</td>
<td>6</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Fellows</td>
<td>209</td>
<td>211</td>
<td>10</td>
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<td>Members</td>
<td>462</td>
<td>522</td>
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<tr>
<td>Subscribers</td>
<td>288</td>
<td>313</td>
<td>32</td>
<td>7</td>
</tr>
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</table>

965              | 1052 | 130  | 43   |

A net gain of 2 fellows, 60 members and 25 subscribers gives a total gain for 1944 of 87. This substantial gain gives a grand total of 1052, the highest since the founding of the Society and the second time it has passed the 1000 mark. The closest approach was 1042 in 1939. This increase is remarkable for it has taken place despite the many dislocations brought about by the war.

The Society lost through death the following eight fellows during 1944:

Harry Berman
George L. English
Edward B. Mathews
Benjamin L. Miller
Frank C. Schrader
George Steiger
Ellis Thomson
Roger C. Wells

This is the largest number of fellows to have died in any one year in the history of the Society. Their loss will be felt keenly, for many of them had been extremely active.

In the spring of 1944 Paul F. Kerr resigned from the Secretaryship of the Society, an office he had held faithfully for a decade. The Society owes Professor Kerr a debt of gratitude for so ably performing the duties of Secretary during that time. Cornelius S. Hurlbut, Jr. was appointed by the Council to complete the unexpired term of Professor Kerr. Even though out of office, Professor Kerr has been most helpful to the present Secretary in tutoring him in his duties.

Respectfully submitted,

C. S. Hurlbut, Jr., Secretary
REPORT OF THE EDITOR FOR 1944

To the Council of the Mineralogical Society of America:

As indicated in the editor's report of a year ago, due to the diversion of much of our man power to efforts pertaining either directly or indirectly to the war, and the consequent decrease in the number of manuscripts received, it became necessary, as an emergency measure, to issue the Journal bimonthly instead of monthly.

During 1944 we have continued this policy as the causes which made the change necessary in 1943 still exist. The partial drying up of our usual sources of manuscript supply is responsible for the reduced size of the current volume as the material received during 1944 was considerably less than that sent in the preceding year. Every effort will be made in 1945 to continue the Journal on a bimonthly basis and from present indications there is some assurance that this can be done.

Dr. Frondel, director of research at the Reeves Sound Laboratories, has suggested that an issue might be devoted exclusively to a symposium on quartz oscillator-plates. He is in a unique position to assemble a group of papers dealing with this interesting and very important industry. Such an issue, according to present plans, would probably run several times the size of a normal issue and contain more than the usual number of illustrations. Outside financial assistance would be forthcoming due to the size and unusual character of this special number.

A valid criticism that might be made, especially with reference to certain issues of 1944, was the lack of sufficient diversity in the types of articles selected. Keeping in mind the wide interests and training of our large membership, papers of a varied character seem highly desirable in each issue in order to hold the interest of the largest possible number of readers. But when material is limited, as it was during the current year, selection must be confined to what is on hand and an unbalanced number is likely to result. A larger stock pile to draw upon would be the best remedy for this condition.

Recognition and appreciation is here again expressed for the financial assistance received during the year from the Geological Society of America to help defray publication costs.

In an analysis of the Journal for 1944 we find that volume 29 contains 456 pages, exclusive of index. This represents a substantial decrease in size compared with the volume of the previous year, in fact it is the smallest volume issued by the Society since 1927. Leading articles, which number 29, occupy approximately 83% of the total space of the Journal. Table 1 which accompanies this report indicates the distribution of the leading articles in the eight fields listed. It may be of some interest to point out the increasing activity in the field of structural crystallography and that the number of these articles published in the Journal in 1944 surpassed all others. If to the main articles we add six shorter papers appearing under the heading of Notes and News, we obtain a total of 35 published manuscripts for the calendar year. These contributions were received from forty contributors associated with twenty-six different universities, research bureaus and technical laboratories. The Journal for 1944 carries detailed descriptions of four new minerals: hydrotungstite, mackayite, blakeite and minnesotaite. One hundred and twenty-one illustrations of various types assist in clarifying the descriptive portions of the text. As in previous years a number of manuscripts were received from sources beyond our borders and in 1944 we printed seven of such contributions.

The accompanying table of contents summarizes in detail the subject matter in volume 29.
REPORT OF THE TREASURER FOR 1944

To the Council of the Mineralogical Society of America:

Your treasurer submits herewith his annual report for the year beginning December 1, 1943, and ending November 30, 1944.

Receipts

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<th>Item</th>
<th>Amount</th>
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<td>Cash on hand December 1, 1943</td>
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<td>Dues and subscriptions</td>
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<td>Sale of back numbers</td>
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<td>Authors’ charges on separates</td>
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<td>Sale of 20-volume index</td>
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<td>Interest and dividends from endowment</td>
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<td>Partial payments on principal of Trenton Mortgage Service Company’s preferred stock</td>
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<td>Geological Society of America Grant for 1944</td>
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<td>Advertisements</td>
<td>214.87</td>
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<tr>
<td>Aid in publishing long papers</td>
<td>75.00</td>
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<td>Honolulu Water Bonds called</td>
<td>45,000.00</td>
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<td>Refund on postage</td>
<td>.30</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$58,399.32</strong></td>
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DISBURSEMENTS

DrssunspMoNrs Printing and distribution of the Journal (6 issues) .......... $ 3,416.11
DrssunspMoNrs Printing and distribution of separates................... 360.85
DrssunspMoNrs To the Editor, Secretary, and Treasurer....................... 970.00
DrssunspMoNrs Postage...................................................... 138.61
DrssunspMoNrs Printing and stationery.................................... 96.92
DrssunspMoNrs Office equipment........................................... 8.00
DrssunspMoNrs Clerical help................................................ 276.14
DrssunspMoNrs Committee expenses........................................ 3.22
DrssunspMoNrs Safety deposit box.......................................... 9.60
DrssunspMoNrs Check returned................................................ 3.00
DrssunspMoNrs Roebling Medal............................................. 121.00
DrssunspMoNrs New securities purchased.............................. 47,331.88
DrssunspMoNrs Broker's commission on securities....................... 134.74
DrssunspMoNrs Accrued interest on bonds bought...................... 348.51
DrssunspMoNrs Postage on securities..................................... 9.20
DrssunspMoNrs Tax on securities........................................... 8.10

$53,228.68

Cash balance November 30, 1944........................................... 5,170.64

$58,399.32

The endowment funds of the Society as of November 30, 1944, consist of the following securities:

BONDS

6M Atlantic Coast Line, 4¼%........................................... $ 5,257.50
5M U. S. Treasury, 2¼% ............................................... 5,190.63
5M Illinois Central, 4%............................................... 3,887.50
5M Southern Railway, 5%............................................. 5,743.75
5M Cleveland Union Terminal, 5%............................... 5,068.75
4C Great Northern Railway, 5½%............................... 400.00

PREFERRED STOCKS

55 shares, U. S. Steel, 7%........................................... 6,946.20
50 shares, Union Pacific, 4%........................................ 4,570.25
50 shares, Virginia Electric & Power Co., 5%................... 5,942.50
10 shares, Consolidated Edison, 5%............................ 1,066.64
5 shares, Public Service of New Jersey, 5%.................... 702.00
37 514/1000 shares, Trenton Mortgage Service Co................ 2,209.62

COMMON STOCK

50 shares, Chesapeake & Ohio Railway............................. 2,368.75
50 shares, Pennsylvania Railroad........................................ 1,468.75
25 shares, Standard Oil of New Jersey.............................. 1,356.25
25 shares, American Telephone & Telegraph Co................... 3,369.32

$55,548.41

NOTE: The 45 $1,000 Honolulu Water Works Bonds were called on August 24, 1944.

Respectfully submitted,

EARL INGERSON, Treasurer
REPORT OF THE AUDITING COMMITTEE

To the President of the Mineralogical Society of America:

The Auditing Committee has examined and verified the accounts of the Treasurer of the Mineralogical Society of America, for the fiscal year ending November 30, 1944. The securities listed in the Treasurer's report, with all future coupons on the coupon bonds attached, are in the safety deposit box at the Friendship Branch of the Riggs National Bank of Washington, D. C.

Respectfully submitted,

GEORGE T. FAUST, Chairman
JOSEPH J. FAHEY
GEORGE PHAIR

DANA FUND

No disbursements made during the fiscal year 1944. Interest received = $9.22. Available balance, November 30, 1944 = $934.07.

Respectfully submitted,

WALDEMAR T. SCHALLER

The Mineralogical Society of America held a luncheon at the Pennsylvania Hotel in New York City on Tuesday, February 20, 1945, the occasion being the presentation of the Roebling Medal to Professor Edward H. Kraus, Dean of the College of Literature, Science and the Arts at the University of Michigan. This luncheon was attended by about 50 members and friends of the Society. Following the luncheon the Council held a business meeting at which the reports for 1944 were presented and matters of general welfare of the Society discussed.

On February 20, 1945, the Council of the Mineralogical Society of America voted to suspend for the duration of the war the dues of fellows and members in the armed forces with the understanding that The American Mineralogist will not be sent to them during this time.

C. S. HURLBUT, JR., Secretary
LIST OF FORMER OFFICERS AND MEETING PLACES

By recommendation of the Council, a complete list of past officers is printed in the proceedings of the annual meeting of the Society:

**Presidents**

1920 Edward H. Kraus
1921 Charles Palache
1922 Thomas L. Walker
1923 Edgar T. Wherry
1924 Henry S. Washington
1925 Arthur S. Eakle
1926 Waldemar T. Schaller
1927 Austin F. Rogers
1928 Esper S. Larsen
1929 Arthur L. Parsons
1930 Herbert E. Merwin
1931 Alexander H. Phillips
1932 Alexander N. Winchell
1933 Herbert P. Whitlock
1934 John E. Wolff
1935 Clarence S. Ross
1936 William S. Bayley
1937 Norman L. Bowen
1938 Ellis Thomson
1939 Max N. Short
1940 William F. Foshag
1941 Frederick E. Wright
1942 Arthur F. Buddington
1943 John F. Schairer
1944 R. C. Emmons

**Vice-Presidents**

Thomas L. Walker
Waldemar T. Schaller
Frederick A. Canfield
George F. Kunz
Washington A. Roebling
Herbert P. Whitlock
George Vaux, Jr.
George L. English
Lazard Cahn
Edward Wigglesworth
John E. Wolff
William F. Foshag
Joseph L. Gillson
Frank N. Guild
William A. Tarr
Ellis Thomson
Harold L. Alling
H. V. Ellsworth
Kenneth K. Landes
Burnham S. Colburn
Ian Campbell
William J. McCaughey
Martin J. Buerger
John W. Gruner
Harry Berman

**Secretaries**

1920-1922 Herbert P. Whitlock
1923-1933 Frank R. Van Horn
1933-1934 Albert B. Peck
1934-1944 Paul F. Kerr
1944- C. S. Hurlbut, Jr.

**Treasurers**

1920-1923 Albert B. Peck
1924-1929 Alexander H. Phillips
1929-1930 Albert B. Peck
1931-1940 Waldemar T. Schaller
1941- Earl Ingerson

**Editors**

1920-1921 Edgar T. Wherry
1922- Walter F. Hunt
COUNCILORS

1921 Frank R. Van Horn, Fred E. Wright, Alexander H. Phillips, Austin F. Rogers.
1922 Fred E. Wright, Alexander H. Phillips, Austin F. Rogers, Thomas L. Watson.
1923 Alexander H. Phillips, Austin F. Rogers, Thomas L. Watson, Esper S. Larsen.
1924 Austin F. Rogers, Thomas L. Watson, Esper S. Larsen, Arthur L. Parsons.
1925 Thomas L. Watson, Esper S. Larsen, Arthur L. Parsons, William F. Foshag.
1930 Alexander N. Winchell, Ellis Thomson, Clarence S. Ross, Paul F. Kerr.
1931 Ellis Thomson, Clarence S. Ross, Paul F. Kerr, William S. Bayley.

ANNUAL MEETING PLACES

1920 Chicago, Illinois
1921 Amherst, Massachusetts
1922 Ann Arbor, Michigan
1923 Washington, D. C.
1924 Ithaca, New York
1925 New Haven, Connecticut
1926 Madison, Wisconsin
1927 Cleveland, Ohio
1928 New York, N. Y.
1929 Washington, D. C.
1930 Toronto, Canada
1931 Tulsa, Oklahoma
1932 Cambridge, Massachusetts
1933 Chicago, Illinois
1934 Rochester, New York
1935 New York, N. Y.
1936 Cincinnati, Ohio
1937 Washington, D. C.
1938 New York, N. Y.
1939 Minneapolis, Minnesota
1940 Austin, Texas
1941 Boston, Massachusetts
1942 No meeting held
1943 No meeting held
1944 No meeting held