The forty-fourth meeting of the Society was held on November 17-20, 1963 at the Hotel Commodore, New York, N. Y. The scientific sessions were integrated with those of the Geological Society of America and other affiliated societies. A total of 31 scientific sessions were held. Of these one was devoted to crystallography, two to mineralogy, two to petrology, two to organic geochemistry, and three to inorganic geochemistry. In these sessions a total of 108 papers was presented.

The annual luncheon of the society on November 19 was attended by 160 members and guests. Following the luncheon the twenty-first presentation of the Roebling Medal was made to John Frank Schairer and the thirteenth presentation of the Mineralogical Society of America Award was made to Nobuo Morimoto.

On the afternoon of November 19 the Society was addressed by Retiring President Cornelius S. Hurlbut, Jr. on the subject "The Elementary Course in a Changing Mineralogy." The annual business meeting was held on the morning of November 20, at which reports were given by the Secretary, Treasurer, and Editor of The American Mineralogist.

**Action of the 1963 Council at its November 17, 1963 Meeting**

The second meeting of the 1963 Council was held on November 17, 1963. The principal actions taken by the Council are summarized below:

**Awards.** The Council voted that in 1964 the Roebling Medal be awarded to Clifford Frondel, and the Mineralogical Society of America Award to William Sefton Fyfe.

**Nomenclature Committee.** Following a discussion of the relationship of the activities of the committee and the International Mineralogical Association reports on nomenclature, the Council voted that matters of the Nomenclature Committee be referred to that committee with power to act, and the results of its action be brought to the attention of the Council.

**American Geological Institute.** The Council voted to continue to designate as its stipulated members all fellows of the Society.

**International Mineralogical Association Commission on New Minerals and Mineral Names.** The Council voted (1) that the Editor publish in The American Mineralogist the 1959, 1960, 1961 and future annual lists of approved and disapproved new names, (2) that the Editor publish in The American Mineralogist the 1960 and 1962 and future lists of preferred names for minerals which have several names, and (3) that the Editor inform authors that manuscripts involving new mineral names or mineral redefinitions will automatically be sent to the Chairman of the International Mineralogical Association Commission on New Minerals and Mineral Names for review by the Commission.

**National Research Council.** The Council voiced its approval of any review of the classified status of remote control sensing devices, with the object of declassification of any that might be applied to geological problems.

**National Medal of Science.** It was voted that a committee be appointed to select a name to be proposed for a National Medal of Science.

**Review of Method of Refereeing Papers Submitted for Publication in The American Mineralogist.** Because some criticism had been leveled at the method being used to referee papers submitted for publication in The American Mineralogist, this matter was discussed at length. It was then voted that the Council reaffirms its approval of the method now being...
used for refereeing papers submitted for publication in *The American Mineralogist*, and that it reaffirms its support of the Editor, who acts as agent of the Council in his conduct of the office of the Editor.

**Recommendation of Auditing Committee.** The Council took due recognition of the following recommendation of the 1963 Auditing Committee: To continue the satisfactory improvement of the endowment fund some substitute should be found for the "Fifty-Plus" Committee, which is currently terminating. We recommend that the Council continue the idea of the "Fifty-Plus" Committee in some other form, possibly by soliciting contributions from industries that utilize the Society's journal to publish the work of their employees.

The Council voted that the Financial Advisory Committee be asked to explore the possibility of increasing the MSA endowment.

**Action by the 1964 Council**

The 1964 Council held its first meeting on November 20, 1963.

**Editor of The American Mineralogist.** The Council appointed E. Wm. Heinrich Editor of *The American Mineralogist* for the year 1964.

**American Mineralogist Articles of Interest to the Amateur.** In 1958 the Council authorized the printing of occasional papers of professional quality but having greater appeal to the nonprofessional mineralogists who make up a considerable proportion of the membership of the Society. At its November 20, 1963 meeting the Council voted that this project be reactivated, and that another attempt be made to obtain suitable manuscripts. Editor Heinrich suggested as a general theme famous mineral localities, and that eventually a series of such papers could be bound separately.

**Associate Editors of The American Mineralogist.** The terms of Associate Editors Herbert Insley and Carl W. Correns expired at the end of 1963. The Council expressed its thanks to these gentlemen for their devoted service to the Society, and appointed to replace them for a three-year term beginning January 1, 1964 William T. Holser and I. H. Milne.

**MSA Special Paper Number 2.** Editor Heinrich strongly urged the continuation of the Special Paper series. The Council heartily endorsed this recommendation and instructed the Editor to seek suitable manuscripts of a type that would be of general interest to the membership.

**Interim Meeting of the Mineralogical Society of America.** The Council was asked by the Board of Past Presidents to consider the desirability and feasibility of holding a second MSA meeting each year, meeting alone or possibly with another small group, in the summer and in an area where good field excursions could be planned. The Council voted to go on record as favoring such an interim meeting. Howard Evans was appointed to act as liaison with the American Crystallographic Association to see if a joint meeting could be arranged with the ACA in July in Bozeman, Montana.

**Committee Appointments.** President Berry made the following committee appointments, which were approved by the Council.

**1964 Committees of the Mineralogical Society of America**

<table>
<thead>
<tr>
<th>Nominating Committee for Fellows</th>
<th>Nominating Committee for Officers</th>
</tr>
</thead>
<tbody>
<tr>
<td>C. W. Chesterman, Chairman</td>
<td>D. E. White, Chairman</td>
</tr>
<tr>
<td>A. J. Frueh</td>
<td>P. F. Kerr</td>
</tr>
<tr>
<td>M. E. Mrose</td>
<td>S. C. Robinson</td>
</tr>
<tr>
<td>E. J. Weiss</td>
<td>C. J. Roy</td>
</tr>
<tr>
<td>C. Burri</td>
<td>F. D. Bloss</td>
</tr>
<tr>
<td>J. J. W. Rogers</td>
<td>J. D. H. Donnay</td>
</tr>
</tbody>
</table>
Nominations for Officers for 1965. The following slate was proposed by the Nominating Committee and approved by the Council:

President: George T. Faust
Vice President: Brian Mason
Secretary: George Switzer
Treasurer: Marjorie Hooker
PROCEEDINGS, 44TH ANNUAL MEETING

Councilors: (1965–67, two to be elected)

William S. Fyfe
Donald L. Graf
Katharine K. Mather
William T. Pecora

REPORT OF THE SECRETARY FOR 1963
To the Council of the Mineralogical Society of America

ELECTION OF OFFICERS AND FELLOWS

The ballots were counted on October 21 by a Tellers Committee composed of Margaret D. Foster, Joseph J. Fahey, and the Secretary. Nine hundred and seventy-seven ballots were cast in the election of officers and 204 in the election of fellows. The officers elected to serve in 1964 are:

President: Leonard G. Berry
Vice President: George T. Faust
Secretary: George Switzer
Treasurer: Marjorie Hooker
Councilors: (1964–66) Harold L. James
Joseph V. Smith

According to the provisions of the Constitution, the following have been elected to Fellowship:

John A. S. Adams
Sturges Williams Bailey
George Malcolm Brown
Ann Marie G. V. Bystrom-Asklund
Simonne Ann Marie Cuillère
Hans Carl Eisenreich Clausen
Arthur Benson Cummins
Edward J. Dwornik
Wolf J. von Engelhardt
Manuel Font-Altaba
Stanislas Goldszaub
Robert Andrew Howie
Marion L. Jackson
Mead LeRoy Jensen
Frederick John Kuellmer

Vladi Marmo
Nobuo Morimoto
Ryohei Morimoto
Arnulf Muan
Purama R. J. Naidu
Mitsuoki Nakahira
Bruce Warren Nelson
Eugene Corley Robertson
Della Martin Roy
Alfredo San Miguel Arribas
Arno Schüller
David Benjamin Stewart
William Owen Williamson
Jack Zussman

At its November 11, 1962 meeting the Council instructed the Treasurer to devise a method of effecting economies in regard to the cost of programs of the annual meeting, which in the past have been sent to all members (at a cost of $1,154.30 in 1962). Accordingly, the Secretary mailed to all members (except those belonging to the Geological Society of America) a coupon, requesting that it be returned only by those wanting a program. About 400 coupons were returned, which will result in a net saving of about $800.

In October 1963 a milestone in achievements by the Society was reached with the publication of Mineralogical Society of America Special Paper Number One—Papers and Proceedings of the Third General Meeting of the International Mineralogical Association.
MEMBERSHIP STATISTICS

Membership in the society in 1963 is shown in the following table. Figures for the preceding two years are given for comparison.

<table>
<thead>
<tr>
<th></th>
<th>1961</th>
<th>1962</th>
<th>1963</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honorary Fellows</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Fellows</td>
<td>448</td>
<td>471</td>
<td>482</td>
</tr>
<tr>
<td>Members</td>
<td>1,587</td>
<td>1,593</td>
<td>1,670</td>
</tr>
<tr>
<td></td>
<td>2,039</td>
<td>2,068</td>
<td>2,156</td>
</tr>
</tbody>
</table>

During 1963 the society lost through death four fellows:
Mark C. Bandy
H. E. Merwin
Joseph L. Rosenholtz
Arno Schüller

Respectfully submitted,
GEORGE SWITZER, Secretary

REPORT OF THE TREASURER FOR 1963
(Year ending July 31, 1963)

To the Council of the Mineralogical Society of America:

SUMMARY STATEMENT

Operating cash, August 1, 1962 ................................ $ 8,269.31
Receipts, August 1, 1962–July 31, 1963 ................................ $ 65,511.07
Disbursements, August 1, 1962–July 31, 1963 ........................ $ 52,770.46
Transfer to capital ................................................. 6,688.41
Operating cash, July 31, 1963 ......................................... 6,052.20

Assets, July 31, 1963
Capital: Endowment Fund (Securities at market value) ........... 189,037.00
includes Fifty-Plus Fund ........................................ 12,939.00
Museum Fund ......................................................... 100.00
Cash Contingency Fund .............................................. 20,971.55
Operating cash ....................................................... 6,052.20

Total ................................................................. $216,060.75

RECEIPTS

Dues
Fellows .......................................................... $ 3,084.00
Members ............................................................ 11,780.17
Student members .................................................. 1,108.00  $15,972.17
Publications

The American Mineralogist subscriptions .......................... 13,852.40
Geological Society of America grant .................................. 3,200.00
Sales—Reprints ............................................................. 4,197.21
Back numbers ............................................................... 2,264.82
Index, vols. 1–20 ........................................................... 55.80
vols. 21–30 ................................................................. 100.20
vols. 31–40 ................................................................. 192.00
IMA Symposia ............................................................... 749.10
Guidebooks ................................................................. 361.65
IMA World Directory ..................................................... 211.50
Advance royalties .......................................................... 1,000.00
Advertising ................................................................. 2,162.51
Mailing list rental ........................................................... 322.89

Total receipts ............................................................. $ 57,241.76

Investments

Dividends ................................................................. 7,456.27
Interest ................................................................. 708.41

Income for Investment

Fifty-Plus Committee .................................................. 1,647.00
Contributions ............................................................ 173.00
Life membership ........................................................ 160.00
Securities transfer ....................................................... 1,382.34

Total reimbursement, IMA fund advance ............................. 1,072.49

Disbursements

The American Mineralogist (May 1962–June 1963) .................. $38,694.48
Reprints (May 1962–April 1963) ...................................... 3,387.05
Program and Abstracts .................................................. 1,154.30
Ten-year Index (1956–1965) ............................................. 369.35
Reprinting, Index, vols. 1–20 ........................................... 215.00
Guidebook, Northern Field Trip ....................................... 80.00
Special Paper Number 1 .................................................. 49.05
Back issues, storage ....................................................... 387.66
sales expense ............................................................. 122.23
postage expense .......................................................... 300.00
Mailing list rental ........................................................ 61.05
IMA Symposia payments ............................................... 459.15
IMA World Directory payment ......................................... 142.50
Legal fee ................................................................. 175.00
Subscription refunds ..................................................... 31.00

Mineralogical Abstracts—deficit payment ............................ 701.28
Office Expense

<table>
<thead>
<tr>
<th>Office</th>
<th>Secretarial</th>
<th>Printing</th>
<th>Postage</th>
<th>Supplies</th>
<th>Travel</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Editor</td>
<td>765.00</td>
<td></td>
<td>149.33</td>
<td>21.13</td>
<td>93.61</td>
<td>1,161.07</td>
</tr>
<tr>
<td>Secretary</td>
<td>146.00</td>
<td></td>
<td>493.75</td>
<td>167.82</td>
<td>150.60</td>
<td>1,004.62</td>
</tr>
<tr>
<td>Treasurer</td>
<td>125.00</td>
<td></td>
<td>617.65</td>
<td>425.41</td>
<td>146.04</td>
<td>1,478.00</td>
</tr>
</tbody>
</table>

Committee expense:
- Secretary: 46.45
- Treasurer: 17.50
- Total annual meeting expense: 1,004.62

Officers' Honoraria

- Editor (July 1962–June 1963): 750.00
- Secretary (August 1962–July 1963): 500.00
- Treasurer (August 1962–July 1963): 500.00

Contributions, awards, etc.
- International Mineralogical Association dues, 1963: 150.00
- American Geological Institute, 1963: 462.00
- Roebling Medal, 1962: 146.50
- MSA Award, 1962: 9.50
- IMA Third General Meeting, fund advance: 231.79

Miscellaneous (Check charges, etc.): 47.88

Total disbursements: $52,770.46

Endowment Fund

<table>
<thead>
<tr>
<th>Security</th>
<th>Amount</th>
<th>Cost</th>
<th>Valuel</th>
<th>Income</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bonds</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Atlantic Coast Line, 4½</td>
<td>52,770.46</td>
<td>204.75</td>
<td></td>
<td></td>
</tr>
<tr>
<td>New York Central, 5</td>
<td>4,300.00</td>
<td>3,788</td>
<td>250.00</td>
<td></td>
</tr>
<tr>
<td>Southern Railway, 5</td>
<td>5,743.75</td>
<td>5,312</td>
<td>250.00</td>
<td></td>
</tr>
<tr>
<td><strong>Preferred stocks</strong></td>
<td>10,043.75</td>
<td>9,100</td>
<td>704.75</td>
<td></td>
</tr>
<tr>
<td>Fairbanks Whitney</td>
<td>4,487.50</td>
<td>2,513</td>
<td>60.00</td>
<td></td>
</tr>
<tr>
<td>Jones &amp; Laughlin</td>
<td>4,987.50</td>
<td>6,270</td>
<td>300.00</td>
<td></td>
</tr>
</tbody>
</table>

1. Approximate market value, August 1, 1963.
2. Fiscal year ending July 31, 1963, except where noted.
4. Dividend being accumulated.
476  PROCEEDINGS, 44TH ANNUAL MEETING

<table>
<thead>
<tr>
<th>Stock Name</th>
<th>Shares</th>
<th>Price</th>
<th>Valuation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potomac Electric Power, 2.44</td>
<td>40</td>
<td>2,000.00</td>
<td>2,060</td>
</tr>
<tr>
<td>Union Pacific, 4</td>
<td>500</td>
<td>4,570.25</td>
<td>4,750</td>
</tr>
<tr>
<td>United States Steel, 7</td>
<td>55</td>
<td>6,946.20</td>
<td>8,525</td>
</tr>
<tr>
<td>Virginia Electric Power, 5</td>
<td>50</td>
<td>5,942.50</td>
<td>3,450</td>
</tr>
</tbody>
</table>

Total: $28,933.95 $29,568 $1,292.60

Common stocks

<table>
<thead>
<tr>
<th>Stock Name</th>
<th>Shares</th>
<th>Price</th>
<th>Valuation</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Telephone &amp; Telegraph</td>
<td>262</td>
<td>$12,391.83</td>
<td>$31,407</td>
</tr>
<tr>
<td>Boston Insurance</td>
<td>50</td>
<td>1,500.00</td>
<td>2,000</td>
</tr>
<tr>
<td>Buckeye Steel Castings</td>
<td>100</td>
<td>3,800.00</td>
<td>2,538</td>
</tr>
<tr>
<td>Chase Manhattan Bank</td>
<td>185</td>
<td>11,344.04</td>
<td>16,835</td>
</tr>
<tr>
<td>Chesapeake &amp; Ohio Railway</td>
<td>100</td>
<td>5,237.44</td>
<td>6,213</td>
</tr>
<tr>
<td>Columbia Gas Systems</td>
<td>300</td>
<td>5,174.72</td>
<td>8,888</td>
</tr>
<tr>
<td>Columbus &amp; Southern Ohio Electric</td>
<td>100</td>
<td>2,087.50</td>
<td>6,938</td>
</tr>
<tr>
<td>Continental Can</td>
<td>100</td>
<td>4,051.56</td>
<td>4,513</td>
</tr>
<tr>
<td>Denison Mines, Ltd.</td>
<td>150</td>
<td>3,096.00</td>
<td>1,650</td>
</tr>
<tr>
<td>Diana Stores</td>
<td>297</td>
<td>4,693.85</td>
<td>2,910</td>
</tr>
<tr>
<td>General Portland Cement</td>
<td>150</td>
<td>2,934.69</td>
<td>3,094</td>
</tr>
<tr>
<td>Greyhound Corporation</td>
<td>254</td>
<td>2,300.00</td>
<td>10,033</td>
</tr>
<tr>
<td>Hot Shoppes</td>
<td>104</td>
<td>2,400.00</td>
<td>2,388</td>
</tr>
<tr>
<td>Kroger Company</td>
<td>261</td>
<td>2,034.03</td>
<td>7,830</td>
</tr>
<tr>
<td>Link Belt</td>
<td>100</td>
<td>4,792.90</td>
<td>5,100</td>
</tr>
<tr>
<td>Phelps Dodge Corporation</td>
<td>50</td>
<td>1,975.00</td>
<td>3,119</td>
</tr>
<tr>
<td>Pittsburgh Plate Glass</td>
<td>102</td>
<td>5,756.37</td>
<td>5,738</td>
</tr>
<tr>
<td>Plymouth Cordage</td>
<td>100</td>
<td>4,750.00</td>
<td>8,550</td>
</tr>
<tr>
<td>Public Service Electric &amp; Gas</td>
<td>15</td>
<td>1,500.00</td>
<td>1,500</td>
</tr>
<tr>
<td>Richfield Oil</td>
<td>200</td>
<td>8,697.65</td>
<td>8,550</td>
</tr>
<tr>
<td>Southern Natural Gas</td>
<td>100</td>
<td>3,600.00</td>
<td>5,125</td>
</tr>
<tr>
<td>Sunray DX Oil</td>
<td>200</td>
<td>4,685.26</td>
<td>6,950</td>
</tr>
</tbody>
</table>

Total: $97,302.84 $150,369 $5,458.92

Cash Contingency Fund

<table>
<thead>
<tr>
<th>Account</th>
<th>Amount</th>
<th>Income</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Permanent Savings &amp; Loan Association</td>
<td>$14,517.27</td>
<td>$517.27</td>
</tr>
<tr>
<td>Columbia Federal Savings &amp; Loan Association</td>
<td>6,322.39</td>
<td>191.14</td>
</tr>
<tr>
<td>Riggs National Bank</td>
<td>131.89</td>
<td>—</td>
</tr>
</tbody>
</table>

Total: $20,971.55 $708.41

5 Additional shares purchased March 1963.
6 Stock dividend January and July 1963.
7 Purchased March and July 1963; one quarter dividend on 100 shares.
10 Stock dividend January 1963.
11 Sold March 1963; three quarter dividend.
The figures given in the preceding tables indicate a continuing satisfactory financial position. Our income exceeds our expenses, and the increase in the value of our investments reflects the more stable market conditions compared to the previous year. Once again, the comments that follow will concern individual items or trends of particular interest.

Income and Expense

In Table 1 the income is grouped according to the sources, and amounts and percentages are compared with those for last year.

### Table 1

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Dues</td>
<td>$15,511.32</td>
<td>26.9</td>
<td>$15,972.17</td>
<td>27.9</td>
</tr>
<tr>
<td>Publication program</td>
<td>31,270.81</td>
<td>54.4</td>
<td>28,670.08</td>
<td>50.1</td>
</tr>
<tr>
<td>Investments</td>
<td>7,887.25</td>
<td>13.7</td>
<td>8,164.68</td>
<td>14.3</td>
</tr>
<tr>
<td>Income for Investment</td>
<td>2,876.56</td>
<td>5.0</td>
<td>3,362.34</td>
<td>5.9</td>
</tr>
<tr>
<td>Reimbursement, IMA</td>
<td>-</td>
<td>-</td>
<td>1,072.49</td>
<td>1.8</td>
</tr>
<tr>
<td></td>
<td>$57,545.94</td>
<td></td>
<td>$57,241.76</td>
<td></td>
</tr>
</tbody>
</table>

The total income is about the same as last year, with expectable changes in the amounts and percentages. The number of subscriptions shows a slight increase. At the present time, 1542 copies of *The American Mineralogist* are distributed on a paid basis compared with 1528 last year. Of these, 607 are delivered to subscribers in all fifty states, the District of Columbia and Puerto Rico, and 935 are sent abroad to 79 countries on all continents. Advertising revenue is about the same, and again we are indebted to Mr. and Mrs. Martin L. Ehrmann for their capable management of this source of income.

The income from our publication program shows a decrease of about $2,600, stemming primarily from an anticipated drop in the sales of back issues and the reduction in Penrose funds. Two actions taken by the Council in November 1962 will serve to augment the income from this source in the future. The Council raised the annual subscription price of the Journal from $10.00 to $15.00, and adopted a revised schedule of charges for authors’ reprints. The additional income will help to offset increased printing costs and the loss of Penrose money.

An item of increasing concern in recent years has been the growing number of issues and volumes no longer in print and thus unobtainable by new library subscribers. During the year, the Society negotiated a contract with the Kraus Reprint Corporation of New York for reprinting in the original form, volumes 20 through 32 inclusive (1935-1947), and it is anticipated that this will be extended to include volumes 1 through 19 (1916-1934) so that complete sets will be available.

In Table 2, expenditures are grouped and the amounts and percentages are compared with those for the preceding year. Expenses are of the same order as before; the increased amount paid for *The American Mineralogist* indicates payment for seven issues within the fiscal year rather than the usual six, as a result of bringing the Journal back to the normal publication schedule. A different procedure has been adopted for distributing the Program and Abstracts of the 1963 meeting to members, which, it is hoped, will mean a substantial reduction in the cost of that item.
Table 2

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Publication program</td>
<td>$40,029.19</td>
<td>$46,329.10</td>
<td>83.6</td>
<td>87.8</td>
</tr>
<tr>
<td>Office expense</td>
<td>3,577.51</td>
<td>3,643.69</td>
<td>7.4</td>
<td>6.9</td>
</tr>
<tr>
<td>Officers' honoraria</td>
<td>2,000.00</td>
<td>1,750.00</td>
<td>4.2</td>
<td>3.3</td>
</tr>
<tr>
<td>Contributions, etc...</td>
<td>1,056.78</td>
<td>815.88</td>
<td>2.2</td>
<td>1.5</td>
</tr>
<tr>
<td>IMA fund advance</td>
<td>1,230.42</td>
<td>231.79</td>
<td>2.6</td>
<td>0.4</td>
</tr>
<tr>
<td></td>
<td>$47,893.90</td>
<td>$52,770.46</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Endowment Fund and Cash Contingency Fund

The book value of the Endowment Fund securities on August 1, 1963, was $136,280.54 compared with $134,915.64 on August 1, 1962. Of this amount, 7.4% is in bonds, 21.2% in preferred stock, and 71.4% in common stock. The market value, computed on the same date, was $189,037.00. The more stable market conditions during the past twelve months are reflected in the substantial gain in the value of the portfolio. Dividends and interest from the securities totaled $7,456.27, near to the estimated figure of $7,500.00. From the current holdings, an income of $7,500 is estimated for 1963-1964. The percentage yields of each type of security, at both book and market values, are given in Table 3.

Table 3

<table>
<thead>
<tr>
<th>Security</th>
<th>Book value</th>
<th>Yield</th>
<th>Market value</th>
<th>Yield</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bonds</td>
<td>$10,043.75</td>
<td>4.98%</td>
<td>$9,100</td>
<td>5.49%</td>
</tr>
<tr>
<td>Preferred stock</td>
<td>28,933.95</td>
<td>4.46%</td>
<td>29,568</td>
<td>4.37%</td>
</tr>
<tr>
<td>Common stock</td>
<td>97,302.84</td>
<td>5.51%</td>
<td>150,369</td>
<td>3.57%</td>
</tr>
<tr>
<td>Total</td>
<td>$136,280.54</td>
<td>5.26%</td>
<td>$189,037</td>
<td>3.79%</td>
</tr>
</tbody>
</table>

Table 4 lists the amounts received for investment from members of the Fifty-Plus Committee. This year marks the conclusion of the five-year pledge period and the major portion of the pledges have been completed. However, with the renewal of some and the continuation of others who joined after 1958, the total amount will without doubt exceed $13,000.

Table 4

<table>
<thead>
<tr>
<th>Year</th>
<th>Amount Paid In</th>
<th>Cumulative Total (with interest)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1958-1959</td>
<td>$3,719.00</td>
<td>$3,719.00</td>
</tr>
<tr>
<td>1959-1960</td>
<td>2,520.00</td>
<td>6,239.00</td>
</tr>
<tr>
<td>1960-1961</td>
<td>2,050.00</td>
<td>8,289.00</td>
</tr>
<tr>
<td>1961-1962</td>
<td>1,816.00</td>
<td>10,105.00</td>
</tr>
<tr>
<td>1962-1963</td>
<td>1,647.00</td>
<td>12,752.00</td>
</tr>
</tbody>
</table>
The Cash Contingency Fund, established in 1961 on the recommendation of the Financial Advisory Committee, now amounts to $20,971.55. The accounts in which the fund is held are given in the tabulation on page 476.

**National Science Foundation Grant**

In August 1962, the Society received a grant of $11,000 from the National Science Foundation toward the cost of publication of the Papers and Proceedings of the Third General Meeting of the International Mineralogical Association, held in Washington, D.C., in April 1962. This volume, scheduled to appear in October 1963, has been designated by the Council to be the first in a new series and will be Special Paper Number 1. Payment of $11,000 on account was made to the George Banta Company in July 1963, and the interest earned in the intervening months since the receipt of the grant money, $434.76, has been returned to the National Science Foundation.

**Mineralogical Abstracts**

Four numbers of Mineralogical Abstracts (vol. 15, nos. 4–7) were published in 1962. The distribution figures are approximately as follows: 1250 copies to members of the two societies—720 members of the British society and 850 members of the American society (320 of these are members of both societies and therefore receive their copies as members of the British society), and 610 copies to various institutional subscribers. Publication costs were approximately $11,560 and income about $8,880, leaving a deficit of $2,680. New annual rates for both members and subscribers went into effect in January 1963, but as of October 1, 1963, no report had been made available showing the effect of the increase on income. The larger number of abstracts published, and consequently the increase in the number of pages, has meant increased cost so that it will probably be necessary to reassess the subscription rates in the near future.

**Acknowledgments**

The continuity of operation of the Treasurer’s office depends on several individuals to whom I extend my sincere thanks at this time,—specifically, Harriet Evans, for her dependable assistance; Edward P. Henderson, Arthur Montgomery, and William T. Pecora, of the Financial Advisory Committee, for their capable management of our investments; Stanly Carr, of Merrill Lynch, custodian of our portfolio; Joseph Dinsmore Murphy, of Steadman, Leonard, & Hennessy, for legal guidance; Irwin H. Wensink and Jane Gibson, of the Banta Company Washington office; Alvin A. Lang and Gerald J. Schutkoske, of the George Banta Company in Menasha, Wisconsin, printers of the Society publications. In addition to naming these people and their particular responsibilities, I take this opportunity to express my personal thanks to each member of the society and to our many business associates for their faithful and cheerful cooperation.

Respectfully submitted,

Marjorie Hooker, Treasurer

---

**REPORT OF THE AUDITING COMMITTEE**

To the President of the Mineralogical Society of America:

On November 14, 1963, the Auditing Committee examined the accounts of the Treasurer of the Society and found them in excellent order for the fiscal year, August, 1962–July, 1963. The Treasurer is to be commended for her efficient care and organization of the accounts of the Society.

Respectfully submitted,

David Gottfried, Chairman
David B. Stewart
Paul E. Desautels
The entire volume for 1963 totals 1450 pages (Tables 1, 2), about 50 pages less than 1962. This slight decrease does not reflect any decrease in MSS received, but the total does reflect the attempts to stay within our estimated budget, previous Council directives on total pagination, and difficulties in maintaining a uniform MS page: printed page ratio.

Changes in Volume 48, 1963

In 1963 the main changes in The American Mineralogist and in editorial procedures were as follows:

1. A change in color of cover stock.
2. The journal is now being copyrighted.
3. Mrs. Rita Ehrmann, the advertising manager, in addition to soliciting and negotiating advertising, now also prepares the layouts and advertising copy for the printer. Thus all matters pertaining to advertisements have now been consolidated within a single office.
4. A new schedule of MS submission and galley proof return between the Editor's office and George Banta Co., Inc. has now gone into successful operation. This insures the mailing of the completed journal by about the middle of the second of the two months represented by the particular number, and its receipt by the US and Canadian membership well in advance of the end of that month. This is a 2-3 weeks improvement over 1962.

Manuscript Volume and Backlog

Between January 1, 1963 and November 1, 1963 the Editor's office received and processed:

| Major Article Manuscripts | 116 |
| Notes Manuscripts | 79 |

195

Table 1. Distribution of Material in The American Mineralogist, Vol. 48, 1963

<table>
<thead>
<tr>
<th></th>
<th>Main Articles</th>
<th></th>
<th>Notes</th>
<th></th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total</td>
<td>U.S.</td>
<td>Foreign</td>
<td>Total</td>
<td>U.S.</td>
</tr>
<tr>
<td>Jan.–Feb.</td>
<td>13</td>
<td>9</td>
<td>4</td>
<td>6</td>
<td>4</td>
</tr>
<tr>
<td>March–April</td>
<td>12</td>
<td>7</td>
<td>5</td>
<td>9</td>
<td>6</td>
</tr>
<tr>
<td>May–June</td>
<td>13</td>
<td>9</td>
<td>4</td>
<td>11</td>
<td>7</td>
</tr>
<tr>
<td>July–Aug.</td>
<td>13</td>
<td>13</td>
<td>0</td>
<td>13</td>
<td>8</td>
</tr>
<tr>
<td>Sept.–Oct.</td>
<td>11</td>
<td>8</td>
<td>3</td>
<td>9</td>
<td>5</td>
</tr>
<tr>
<td>Nov.–Dec.</td>
<td>14</td>
<td>11</td>
<td>3</td>
<td>10</td>
<td>9</td>
</tr>
<tr>
<td>Totals</td>
<td>76</td>
<td>57</td>
<td>19</td>
<td>58</td>
<td>39</td>
</tr>
</tbody>
</table>

Total articles 134.
Main Notes

% Foreign Articles: 23% 33%
Countries represented: Australia, Canada, Czechoslovakia, England, Finland, Germany, India, Israel, Italy, Japan, Malaya, Northern Rhodesia, Norway, Pakistan, Scotland, Uganda (16)

New Minerals Described: Anthonyite, barnesite, calumetite, ixiolite, karelianite, melanophlogite, a tetragonal iron sulfide (7)

New Mineral Names appeared in 5 numbers
Total books reviewed: 33

In this same period there were rejected, following reviews:

<table>
<thead>
<tr>
<th>Manuscript Type</th>
<th>Main</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Article Manuscripts</td>
<td>22</td>
<td>17</td>
</tr>
<tr>
<td>Notes Manuscripts</td>
<td>21†</td>
<td>6</td>
</tr>
<tr>
<td>Received, not yet reviewed</td>
<td>12</td>
<td>4</td>
</tr>
</tbody>
</table>

† Includes 8 MSS not returned in revised form by authors after intervals of 14–10 months.

From these data it is predictable that by December 5, 1963, at which time MS copy for the January–February number of volume 49, 1964 must be ready for the printer (in other words, the start of our “publication year”) we will have on hand, accepted for publication:

<table>
<thead>
<tr>
<th>Manuscript Type</th>
<th>Main MS</th>
<th>Notes MS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major</td>
<td>45</td>
<td></td>
</tr>
<tr>
<td>Notes</td>
<td>27</td>
<td></td>
</tr>
</tbody>
</table>

This quantity will be, at our current rate of publication, equivalent to about 3½ numbers (assuming a normal rate of arrival of additional, acceptable Notes MS in the next 3 months). This backlog is greater than any we have had in the 2 years that I have been editor, and I regard its increased size as undesirable, largely because it will increase materially the delay between our “acceptance date” for a MS and the time of its appearance. For the November–December, 1963, number this interval ranges from 7 to as short as 4 months, and averages about 6 months for Major articles (less for Notes).

I recommend, therefore, to the Council, that, if budgetary considerations permit, we increase the maximum allowable total pagination for Volume 49, 1964 to 1800 pages, which will permit individual numbers of up to 300 pages, a size not too bulky for mailing with
our present weight wrapping stock paper. A large increase occurred in total MS received in the period September–November, 1963, an increased influx which does not appear to be slackening. We may not need this entire requested increased pagination, but it should be available to the editor if we are to keep the "publication interval" appropriately compressed, which in my opinion should approach no more than a 6 months delay.

**SPECIAL PAPER No. 1**

A great deal of time was spent, during January to June 1963, on editorial chores in connection with the publication of *Special Paper No. 1*—Papers and Proceedings of the 3rd Meeting of the IMA. This has at last been published and is now available for purchase by means of special order coupons that are appearing in the current number and next 3 numbers of *The American Mineralogist*. Since it was the initial publication effort by our Society outside of *The American Mineralogist*, a great number of non-routine problems had to be solved—format, type styles and sizes, headings, illustration sizes and limits, binding, etc. The results, both visually and contextually, have, I believe, justified our efforts, and also have, I hope, set a standard for possible future publications of this nature.

**Table 3. List of Manuscript Referes (in Addition to the Board of Associate Editors) for 1963**

| I. Adler               | R. A. Hatch               | D. R. Peacor               |
| L. L. Ames            | D. M. Henderson           | W. T. Pecora               |
| S. W. Bailey          | R. M. Honea               | Arie Poldervaart           |
| J. D. Barksdale       | C. S. Hurlbut             | L. S. Ramsdell             |
| C. W. Beck            | Earl Ingerson             | J. L. Rosenfeld            |
| Joseph Berman         | M. L. Jackson             | R. A. Rowland              |
| W. F. Bradley         | R. H. Jahns               | J. F. Schaier              |
| G. W. Brindley        | E. A. Jenne               | David Slemmons             |
| M. J. Buerger         | W. C. Kelly               | J. V. Smith                |
| E. N. Cameron         | F. J. Kuellmer            | D. B. Stewart              |
| E. C. T. Chao         | S. B. Levin               | George Switzer             |
| Felix Chayes          | A. A. Levinson            | R. T. Tettenhorst          |
| P. L. Cloke           | A. C. Lilly               | C. E. Tilley               |
| R. M. Denning         | M. L. Lindberg            | F. J. Turner               |
| Wilhelm Eitel         | R. J. P. Lyon             | J. A. Vance                |
| R. C. Emmons          | Duncan McConnell          | John Verhoogen             |
| W. G. Ernst           | J. B. Mertie              | C. J. Vitaliano            |
| G. T. Faust           | Charles Meyer             | A. von Volborth            |
| D. J. Fisher          | L. H. Milne               | C. E. Weaver               |
| Michael Fleischer     | R. S. Mitchell            | Horace Winchell            |
| Clifford Frondel      | Joseph Murdoch            | D. R. Wones                |
| R. M. Gates           | G. J. Neuerburg           | P. J. Wyllie               |
| L. D. Glasser         | E. H. Nickel              | H. S. Yoder, Jr.           |
| R. E. Grim            | E. F. Osborn              | E-an Zen                   |
ACKNOWLEDGMENTS

The major part of the credit for any successes that The American Mineralogist has achieved in 1963 should descend upon the Associate Editors and the manuscript referees (Table 3), who have been unselfish with their time and skills. Dr. M. Fleischer and his associates continue to compile, what is in my opinion, the invaluable data presented under “New Mineral Names.” Mrs. Rita Ehmann deserves special recognition and commendation for her enthusiastic and unflagging efforts to improve our advertising situation. The Department of Geology and Mineralogy of the University of Michigan, in addition to providing ample office space and equipment, made the additional generous contributions of one-half the cost of relighting the office and the entire cost of transferring a telephone extension.

Respectfully submitted,
E. Wm. Heinrich
Editor, The American Mineralogist

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:

HONORARY PRESIDENTS
Edward S. Dana 1925–1935
Charles Palache 1949–1954
Edward H. Kraus 1955–

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

VICE-PRESIDENTS
1920 Thomas L. Walker
1921 Waldemar T. Schaller
1922 Frederick A. Canfield
1923 George F. Kunz
1924 Washington A. Roebling
1925 Herbert P. Whitlock
1926 George Vaux, Jr.
1927 George L. English
1928 Lazard Cahn
1929 Edward Wigglesworth
1930 John E. Wolff
1931 William F. Foshag
1932 Joseph L. Gillson
1933 Frank B. Guild
1934 William A. Tarr
1935 Ellis Thomson
1936 Harold L. Alling
1937 H. V. Ellsworth
1938 Kenneth K. Landes
1939 Burnham S. Colburn
1940 Ian Campbell
1941 William J. McCaughey
1942 Martin J. Buerger
Presidents (Cont.)

1943  John F. Schairer
1944  R. C. Emmons
1945  Kenneth K. Landes
1946  Paul F. Kerr
1947  M. J. Buerger
1948  M. A. Peacock
1949  John W. Gruner
1950  George Tunell
1951  A. Pabst
1952  Michael Fleischer
1953  J. D. H. Donnay
1954  Sterling B. Hendricks
1955  Harry H. Hess
1956  Clifford Frondel
1957  D. Jerome Fisher
1958  George E. Goodspeed
1959  Ralph E. Grim
1960  Joseph Murdoch
1961  E. F. Osborn
1962  Ian Campbell
1963  C. S. Hurlbut, Jr.

Vice-Presidents (Cont.)

1943  John W. Gruner
1944  Harry Berman
1945  George Tunell
1946  S. B. Hendricks
1947  Carl Tolman
1948  A. Pabst
1949  J. D. H. Donnay
1950  Ralph E. Grim
1951  Michael Fleischer
1952  J. D. H. Donnay
1953  Sterling B. Hendricks
1954  Harry H. Hess
1955  Clifford Frondel
1956  D. Jerome Fisher
1957  George E. Goodspeed
1958  Ralph E. Grim
1959  Joseph Murdoch
1960  E. F. Osborn
1961  Ian Campbell
1962  C. S. Hurlbut, Jr.
1963  Leonard G. Berry

Secretaries

1920–1922  Herbert P. Whitlock
1923–1933  Frank R. Van Horn
1933–1934  Albert B. Peck
1934–1944  Paul F. Kerr
1944–1959  C. S. Hurlbut, Jr.
1959–  George Switzer

Treasurers

1920–1923  Albert B. Peck
1924–1929  Alexander H. Phillips
1929–1930  Albert B. Peck
1930–1940  Waldemar T. Schaller
1941–1958  Earl Ingerson
1958–  Marjorie Hooker

Editors

1920–1921  Edgar T. Wherry
1922–1956  Walter F. Hunt
1957–1961  Lewis S. Ramsdell
1962–  E. Wm. Heinrich

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, New York
1929 Washington, D. C.
1930 Toronto, Canada
1931 Tulsa, Oklahoma
1932 Cambridge, Massachusetts
1933 Chicago, Illinois
1934 Rochester, New York
1935 New York, New York
1936 Cincinnati, Ohio
1937 Washington, D. C.
1938 New York, New York
1939 Minneapolis, Minnesota
1940 Austin, Texas
1941 Boston, Massachusetts
1942 No meeting held
1943 No meeting held
1944 No meeting held
1945 Pittsburgh, Pennsylvania
1946 Chicago, Illinois
1947 Ottawa, Canada
1948 New York, New York
1949 El Paso, Texas
1950 Washington, D. C.
1951 Detroit, Michigan
1952 Boston, Massachusetts
1953 Toronto, Canada
1954 Los Angeles, California
1955 New Orleans, Louisiana
1956 Minneapolis, Minnesota
1957 Atlantic City, New Jersey
1958 St. Louis, Missouri
1959 Pittsburgh, Pennsylvania
1960 Denver, Colorado
1961 Cincinnati, Ohio
1962 Houston, Texas
1963 New York, New York

Recipients of the Roebling Medal

1937 Charles Palache
1938 Waldemar T. Schaller
1940 Leonard James Spencer
1941 Esper S. Larsen, Jr.
1945 Edward H. Kraus
1946 Clarence S. Ross
1947 Paul Niggli
1948 William Lawrence Bragg
1949 Herbert E. Merwin
1950 Norman L. Bowen
1952 Fred E. Wright
1953 William F. Foshag
1954 Cecil Edgar Tilley
1955 Alexander N. Winchell
1956 Arthur F. Buddington
1957 Walter F. Hunt
1958 Martin J. Buerger
1959 Felix Machatschki
1960 Tom F. W. Barth
1961 Paul Ramdohr
1962 John W. Gruner
1963 John Frank Schairer

Recipients of the Mineralogical Society of America Award

1951 Orville F. Tuttle
1952 Frederick H. Stewart
1953 L. H. Ahrens
1954 Hatten S. Yoder, Jr.
1955 Julian R. Goldsmith
1956 George C. Kennedy
1957 Rustum Roy
1958 Charles E. Weaver
1959 Harry F. W. Taylor
1960 Donald L. Graf
1961 Joseph V. Smith
1962 Douglas S. Coombs
1963 Nobuo Morimoto

1963 ANNUAL MEETING AT NEW YORK, NEW YORK

The meetings of the following societies were held November 17–20, 1963.
The Geological Society of America—76th
The Paleontological Society—55th
The Mineralogical Society of America—44th
Society of Economic Geologists—44th
The Geochemical Society—8th