

## PROCEEDINGS OF THE FORTY-THIRD ANNUAL MEETING OF THE MINERALOGICAL SOCIETY OF AMERICA AT HOUSTON, TEXAS

GEORGE SWITZER, *Secretary*

The forty-third meeting of the Society was held on November 12-14, 1962 at the Shamrock Hilton Hotel, Houston, Texas. The scientific sessions were integrated with those of the Geological Society of America and other affiliated societies. A total of 33 scientific sessions were held. Of these two were devoted to mineralogy, three to petrology, two to organic geochemistry, and two to inorganic geochemistry. In these sessions a total of 97 papers were presented.

The annual luncheon of the Society on November 13 was attended by 215 fellows, members, and guests. Following the luncheon the twentieth presentation of the Roebling Medal was made to John Walter Gruner and the twelfth presentation of the Mineralogical Society of America Award was made to Douglas Saxon Coombs.

On the afternoon of November 13 the Society was addressed by Retiring President Ian Campbell on the subject *Slate Mineralogy: Why, Wherefore, and Whence?* The annual business meeting was held on the morning of Nov. 14, at which reports were given by the Secretary, Treasurer, and Editor of the American Mineralogist.

### ACTION OF THE 1962 COUNCIL AT ITS APRIL 20, 1962 MEETING

A special meeting of the Council of the Society was held on April 20, 1962, with members of the council of the Mineralogical Society of Great Britain. Mineralogical Society of America Council members present were: C. S. Hurlbut, Jr. (presiding), E. F. Osborn, Hatten S. Yoder, Jr., Horace Winchell, Marjorie Hooker and George Switzer. Mineralogical Society of Great Britain Council members present were: L. R. Wager, J. R. Butler, R. A. Howie, E. A. Jobbins, M. H. Hey and W. J. Wadsworth.

The purpose of the joint meeting was to discuss ways to make Mineralogical Abstracts, published jointly by the two societies, pay for itself. To this end the following resolution was adopted:

That the Mineralogical Society of Great Britain raises its subscription for members by ten shillings, the whole of this sum being allocated to the *Mineralogical Abstracts* account. (Each British member would then contribute £1.10.- to *Mineralogical Abstracts* annually.) The subscription for members of the Mineralogical Society of America who are not members of the British Society would also be raised 50 per cent, making it \$4.50, and this same price would also be applicable to all members of cooperating societies. The price of an annual subscription for subscribers (non-members) would be raised from £3.3.0 to £4.4.0 (or \$12.00 U. S.).

*Publication of Proceedings of the Washington meeting of the International Mineralogical Association.* If the grant requested from the National Science Foundation to aid in this publication is received, it was voted that the Proceedings of the Washington, D. C., meeting (3rd General Assembly) of the International Mineralogical Association be published as Special Paper No.1 of the Mineralogical Society of America.

### ACTION OF THE 1962 COUNCIL AT ITS REGULAR MEETING ON NOVEMBER 11, 1962

The third meeting of the 1962 Council was held November 11, 1962.

*Awards.* The Council voted that in 1963 the Roebling Medal be awarded to John Frank Schairer, and the Mineralogical Society of America Award to Nobuo Morimoto.

*Nominating Committee for Officers.* The Council voted that future Nominating Com-

mittees for Officers be instructed to prepare for each candidate a brief (5 or 6 line) biography suitable for publication, and that these biographies be sent with the ballot.

*Ratification of the American Geological Institute Constitution and By-Laws.* The Council voted to ratify the new Constitution and By-Laws of the American Geological Institute, and to designate as its stipulated members all fellows of the Society.

*Mineralogical Society of America Special Papers.* At its meeting in April 1962, the Council voted to undertake publication of a new series, to be known as Mineralogical Society of America Special Papers. Number 1 of the series will contain the papers given at the April 1962 meeting of the International Mineralogical Association. A grant of \$11,000 has been received from the National Science Foundation to cover publication costs, to be repaid from sales of the volume. Other volumes of this new special paper series will follow at irregular intervals.

*Mineralogical Abstracts Committee on Management.* On the inside front cover of Mineralogical Abstracts, published jointly by the Mineralogical Society of America and the Mineralogical Society of Great Britain, the latter society lists as its Committee of Management the officers of the society, while the Mineralogical Society of America has no comparable listing. The Council voted that henceforth a proper Committee of Management for the Mineralogical Society of America be listed.

*Increase in American Mineralogist Subscription Rates.* The Council voted to raise the annual subscription rate for the American Mineralogist for non-members (libraries, etc.) from \$10 to \$15 beginning January 1964. It is hoped that increased revenue from this source will offset the withdrawal of the Geological Society of America grant, and rising printing costs.

*Increase in Charges for American Mineralogist Reprints.* To further offset rising costs of publishing the American Mineralogist, the Council voted to increase charges to authors for reprints. The new price schedule, to go into effect in January, 1963, will be printed in the March-April 1963 issue of the American Mineralogist.

*Reprinting of Out-of-Print Volumes of the American Mineralogist.* Treasurer Marjorie Hooker outlined preliminary arrangements made with the Kraus Reprint Corporation to have reprinted out-of-print volumes of the American Mineralogist. The Council went on record as being in favor of the plan and voted approval for the Treasurer to negotiate a contract with Kraus.

*Page Charge for the American Mineralogist.* This subject was discussed but no action taken, since the Treasurer was confident that the necessity of making a page charge for publication in the American Mineralogist could be postponed at least temporarily by the increased revenue expected from increased subscription rates and increased charges for reprints.

*Cost of Programs of the Annual Meeting.* The Mineralogical Society of America purchases from the Geological Society of America programs of the annual meeting sent to all members who are not also members of the Geological Society. In 1962 the cost of these programs was 85 cents each, or a total of \$1,154.30. It seems probable that a large number of programs are being sent to non-geologist members who have no interest in them. The Council, therefore, requested the Treasurer to devise a method for effecting economies in this regard.

*Format for Mineralogical Society of America Special Paper Series.* The Council voted that the selection of format for the new series of special papers be placed in the hands of the Editor of the American Mineralogist.

#### ACTION BY THE 1963 COUNCIL

The 1963 Council held its first meeting on November 14, 1962.

*Editor of the American Mineralogist.* The Council appointed E. Wm. Heinrich Editor of the American Mineralogist for the year 1963.

*Change in Cover Stock of the American Mineralogist.* The Editor pointed out that quality, legibility of printing, and fading characteristics of the present covers on the American Mineralogist left much to be desired. The Council voted in favor of changing to a better quality cover stock, with choice of the new stock to be left to the Editor.

*International Mineralogical Association Dues.* The Council voted that the International Mineralogical Association dues of \$150 for the year 1963 be paid.

*Selection of Associate Editors for the American Mineralogist.* The Council recommended that the Editor and his Board of Associate Editors shall assure their continuity by each year nominating two new Associate Editors for approval by the Council.

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

#### 1963 COMMITTEES OF THE MINERALOGICAL SOCIETY OF AMERICA

##### *Nominating Committee for Fellows*

C. W. Chesterman, <i>Chairman</i>	1962-64
W. S. MacKenzie	1961-63
R. S. Cannon	1961-63
A. J. Frueh	1962-64
M. E. Mrose	1963-65
E. J. Weiss	1963-65

##### *Nominating Committee for Officers*

A. Van Valkenburg, <i>Chairman</i>
R. H. Jahns
R. A. Rowland
R. B. Ferguson
D. E. White
R. I. Harker

##### *Roebbling Medal Committee*

L. G. Berry, <i>Chairman</i>
P. Ramdohr
E. Ingerson
A. O. Woodford
A. Knopf
R. E. Grim

##### *Financial Advisory Committee*

E. P. Henderson, <i>Chairman</i>	1962-64
W. T. Pecora	1961-63
A. Montgomery	1963-65

##### *Program Committee*

L. R. Page
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##### *Auditing Committee*

D. Gottfried, <i>Chairman</i>
D. B. Stewart
P. E. Desautels

##### *MSA Award Committee*

F. J. Turner, <i>Chairman</i>
D. L. Graf
D. S. Coombs
M. J. Buerger
E. C. Robertson
J. L. Kulp

##### *Mineralogical Abstracts*

L. G. Berry, <i>Chairman</i>
K. Servos
W. T. Holser
C. A. Salotti

##### *Nomenclature Committee*

G. T. Faust, <i>Chairman</i>	1963-65
A. Pabst	1963-65
C. Frondel	1961-63
M. Fleischer	1961-63
A. Poldevaart	1962-64
A. von Volborth	1962-64

##### *Archivist*

G. T. Faust
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## REPRESENTATIVES

<i>American Geological Institute</i>		New Minerals and New Mineral Names—D. McConnell	
Representative		Museums—G. Switzer	
I. Campbell	1963-65	Teaching—C. S. Hurlbut, Jr.	
Government Relations Committee		Ore Microscopy—E. N. Cameron	
P. F. Kerr		Cosmic Mineralogy—B. Mason	
Translation Committee		<i>American Association for the Advancement of Science</i>	
M. Fleischer		C. S. Hurlbut, Jr.	
<i>International Mineralogical Association</i>		C. S. Bacon	
Representative		<i>National Research Council</i>	
E. F. Osborn		F. Chayes	1963-66
Members of Commission		G. T. Faust (Advisory Board to Office of Critical Tables)	
Abstracts—H. Winchell			
Data—G. T. Faust			

*Nominations for Officers for 1964.* The following slate was proposed by the Nominating Committee and approved by the Council:

*President:* Leonard G. Berry  
*Vice President:* George T. Faust  
*Secretary:* George Switzer  
*Treasurer:* Marjorie Hooker

*Councilors:* (1964-66, two to be elected)

A. R. Graham  
 Harold L. James  
 James L. McAtee, Jr.  
 Joseph V. Smith

## REPORT OF THE SECRETARY FOR 1962

*To the Council of the Mineralogical Society of America*

## ELECTION OF OFFICERS AND FELLOWS

The ballots were counted on October 11, 1962 by a Tellers Committee composed of Mary E. Mrose, Thomas W. Stern, and the Secretary. Eight hundred and Fifty three ballots were cast in the election of officers and 337 in the election of fellows. The officers elected to serve in 1963 are:

*President:* Cornelius S. Hurlbut, Jr.  
*Vice-President:* Leonard G. Berry  
*Secretary:* George Switzer  
*Treasurer:* Marjorie Hooker  
*Councilors:* (1963-1965) William F. Bradley  
 Howard T. Evans, Jr.

According to the provisions of the Constitution the following have been elected to fellowship:

Leonid V. Azaroff	Nobuo Katayama
Erwin Felix Bertaut	Mitsue Koizumi
Pierre Bordet	George William Kunze
Arthur James Boucot	Benjamin Franklin Leonard, III
Stanley H. U. Bowie	Ernst Niggli
Francis R. Boyd, Jr.	Carl W. F. T. Pistorius
Robert Charles DeVries	John J. W. Rogers
Egbert Christiaan de Wys	James Robert Smith
Richard V. Dietrich	Arthur A. Socolow
Robert Sinclair Dietz	Hugo Steinfink
Arman Frederick Frederickson	Robert James Traill
Manoranjan Prasad Gupta	Eric H. T. Whitten
Robert Ian Harker	

#### CHANGE IN BY-LAWS

The proposed changes in Article I and Article II of the By-Laws of the Mineralogical Society of America were passed by a vote of 765 for, 18 against. Article I—Membership, and Article II—Dues, now read as follows:

#### *Article I. Membership*

*Section 1. Members.* Any eligible individual may become a member by submitting an application and paying one year's dues.

*Section 2. Election of Fellows.* Nominations for fellowship shall be made by three fellows according to a form to be provided by the secretary. Two of these fellows must be personally acquainted with the nominee and his qualifications. The Council shall submit the nominations received, if approved, to a vote of the fellows in the manner provided by the by-laws. The results shall be announced at the next Council meeting, and those elected shall be notified by the secretary.

*Section 3. Termination and Reinstatement of Membership.* A fellow or member may withdraw without prejudice on submitting a resignation in writing to either the Secretary or Treasurer on or before February 1st of the year with which the resignation will be effective provided that he is not in arrears for any previous year(s). A fellow or member who does not indicate his intention to resign by February 1st shall be held liable for dues for the year and subject to removal from the mailing list after April 1st. Membership will terminate at the end of the year.

If a fellow or member has previously resigned without prejudice, he may be reinstated in any subsequent year on payment of dues for the year in which reinstatement is requested. If a fellow or member has had his membership terminated, he may be reinstated on payment of dues for the year in which reinstatement is requested and any outstanding arrearage.

Issues of the *Journal* will be supplied for the year in which a fellow or member is reinstated. Issues for prior years may be purchased at current back issue rates, and payment of outstanding dues may be counted toward the cost of back issues for any one year.

#### ARTICLE II. DUES

*Section 1.* The annual dues for members and fellows shall be eight dollars (\$8) payable in January. Members who are students shall pay one-half the dues of other members.

*Section 2.* No person shall be accepted as a fellow of the Mineralogical Society of America unless he pays dues for the year within three months after notification of this election.

*Section 3.* Fellows and members who have reached the age of 70 years, or have reached the official retirement age of the institution in which they have been serving, and have paid annual dues for 30 years, shall be exempt from further payment of dues but retain all rights and privileges.

*Section 4.* A single prepayment of an amount equaling twenty times the annual dues of a fellow of the Society shall be accepted as commutation for life for either fellows or members.

#### MEMBERSHIP STATISTICS

The membership of the society in 1962 is shown in the following table. Figures for the preceding two years are given for comparison.

	November 1, 1962		
	1960	1961	1962
Honorary Fellows . . . . .	3	4	4
Fellows . . . . .	419	448	458
Members . . . . .	1,623	1,587	1,643
	<hr/> 2,045	<hr/> 2,039	<hr/> 2,105

During 1962 the society lost through death two Fellows: A. H. Koschmann and William J. McCaughey.

Respectfully submitted,  
GEORGE SWITZER, *Secretary*

#### REPORT OF THE TREASURER FOR 1962

(Year ending July 31, 1962)

*To the Council of the Mineralogical Society of America:*

##### SUMMARY STATEMENT

Operating cash, August 1, 1961 . . . . .	\$ 6,644.30	
Receipts, August 1, 1961-July 31, 1962 . . . . .	57,545.94	\$ 64,170.24
Disbursements, August 1, 1961-July 31, 1962 . . . . .	47,893.90	
Transfer to capital . . . . .	8,027.03	
Operating cash, July 31, 1962 . . . . .	8,269.31	64,170.24
Assets, July 31, 1962		
Capital: Endowment Fund (Securities at market value) . .		166,466.00
includes Fifty-plus Fund . . . . .	\$10,858.00	
Museum Fund . . . . .	100.00	
Cash Contingency Fund . . . . .		14,283.14
Operating cash . . . . .		8,269.31
Total . . . . .		<hr/> \$189,018.45

## RECEIPTS

Dues		
Fellows . . . . .	\$ 2,928.55	
Members . . . . .	11,472.88	
Student members . . . . .	1,109.89	\$ 15,511.32
Publications		
<i>American Mineralogist</i> subscriptions . . . . .	14,026.70	
Geological Society of America grant . . . . .	4,800.00	
Sales—Reprints . . . . .	4,955.75	
Back numbers . . . . .	4,014.63	
Index, vols. 1-20 . . . . .	74.60	
vols. 21-30 . . . . .	119.20	
vols. 31-40 . . . . .	259.59	
IMA Symposia . . . . .	442.50	
Guidebooks . . . . .	120.87	
Advertising . . . . .	2,456.97	31,270.81
Investments		
Dividends . . . . .	7,383.94	
Interest . . . . .	503.31	7,887.25
Income for Investment		
Fifty-Plus Committee . . . . .	1,816.21	
Contributions . . . . .	231.18	
Life memberships . . . . .	320.00	2,367.39
Reimbursement, advance of funds to IMA Local Committee . . . . .	475.17	475.17
Miscellaneous . . . . .	34.00	34.00
Total receipts . . . . .		\$ 57,545.94

## DISBURSEMENTS

Publications		
<i>The American Mineralogist</i> (May 1961–April 1962) . . . . .	\$31,662.45	
Reprints (May 1961–April 1962) . . . . .	4,668.90	
Program and Abstracts . . . . .	973.70	
Ten-year Index (1956–1965) . . . . .	520.25	
Guidebook, National Capital Area . . . . .	223.65	
Microtext and back issue reproduction . . . . .	429.74	
IMA Symposia payments . . . . .	321.00	
Back issue sales and storage expense . . . . .	345.28	
Back issue postage expense . . . . .	324.22	\$ 39,469.19
<i>Mineralogical Abstracts</i> —payment toward deficit . . . . .	560.00	560.00
Office Expense		
Editor: Secretarial . . . . .	429.50	
Travel . . . . .	70.56	
Printing . . . . .	98.74	
Supplies . . . . .	308.33	
Postage and telephone . . . . .	240.69	1,147.82

Secretary: Secretarial.....	\$ 175.00	
Printing.....	413.07	
Supplies.....	186.00	
Postage and telephone.....	293.08	1,067.15
Treasurer: Secretarial.....	270.00	
Printing.....	561.00	
Supplies.....	108.04	
Postage.....	423.50	1,362.54
Officers' Honoraria		
Editor (July 1, 1961-June 30, 1962).....	750.00	
Co-Editor (November 1960-November 1961).....	250.00	
Secretary (August 1, 1961-July 31, 1962).....	500.00	
Treasurer (August 1, 1961-July 31, 1962).....	500.00	2,000.00
International Mineralogical Association		
Third General Meeting, fund advance.....	1,230.42	1,230.42
Contributions, awards, etc.		
American Geological Institute, 1961-1962.....	500.00	
Roebbing Medal (1961).....	144.51	
MSA Award certificate (1961).....	10.00	
George Banta Company, Inc., Forty-Year Award.....	98.70	
Ramsdell Retirement Gift.....	100.00	
Annual meeting expense.....	53.30	906.51
Miscellaneous		
Refunds.....	91.94	
Checks returned.....	41.40	
Check charges.....	16.93	150.27
Total disbursements.....		\$ 47,893.90

## ENDOWMENT FUND

Amount	Security	Cost	Value <sup>1</sup>	Income <sup>2</sup>
<i>Bonds</i>				
6M	Atlantic Coast Line, 4½.....	\$ 5,257.50	\$ 6,105	\$ 270.00
5M	New York Central, 5.....	4,300.00	2,956	250.00
5M	Southern Railway, 5.....	5,743.75	5,200	250.00
		\$ 15,301.25	\$ 14,261	\$ 770.00
<i>Preferred stocks</i>				
150	Fairbanks Whitney.....	\$ 4,487.50	\$ 3,150	\$ 240.00
60	Jones & Laughlin, A5.....	4,987.50	5,970	300.00
40	Potomac Electric Power, 2.44.....	2,000.00	2,060	97.60
	Southern California Edison, 4.88.....	—	—	135.56 <sup>3</sup>
500	Union Pacific, 4.....	4,570.25	4,188	200.00
55	United States Steel 7.....	6,946.20	7,858	385.00
50	Virginia Electric Power, 5.....	5,942.50	5,225	250.00
		\$ 28,933.95	\$ 28,451	\$1,608.16

*Common stocks*

262	American Telephone & Telegraph.....	\$ 12,391.83	\$ 29,344	\$ 943.20
50	Boston Insurance.....	1,500.00	1,850	90.00
100	Buckeye Steel Castings.....	3,800.00	2,038	150.00
185	Chase Manhattan Bank.....	11,344.04	14,384	471.76
50	Chesapeake & Ohio Railroad.....	2,368.75	2,500	200.00
300	Columbia Gas Systems.....	5,174.72	7,725	330.00
100	Columbus & Southern Ohio Electric....	2,087.50	6,125	205.00
100	Continental Can.....	4,051.56	4,025	180.00
150	Denison Mines, Ltd.....	3,096.00	1,613	122.48
285	Diana Stores.....	4,688.43	4,133	179.60 <sup>1</sup>
231	Greyhound Corporation.....	2,300.00	6,064	254.12
261	Kroger Company.....	2,034.03	5,546	287.12
100	Link Belt.....	4,792.90	4,600	120.00 <sup>2</sup>
50	Phelps Dodge Corporation.....	1,975.00	2,538	150.00
100	Pittsburgh Plate Glass.....	5,756.37	5,075	55.00 <sup>3</sup>
100	Plymouth Cordage.....	4,750.00	6,250	320.00
50	Public Service Electric & Gas.....	1,586.40	3,094	107.50
200	Richfield Oil.....	8,697.65	7,475	360.00
100	Southern Natural Gas.....	3,600.00	4,275	200.00
200	Sunray DX Oil.....	4,685.26	5,100	280.00
		<u>\$ 90,680.44</u>	<u>\$123,754</u>	<u>\$5,005.78</u>

Merrill Lynch (interest).....				13.06
Total.....	\$134,915.64	\$166,466	\$7,397.00	

## CASH CONTINGENCY FUND

<i>Account</i>	<i>Amount</i>	<i>Income</i>
National Permanent Savings & Loan Association.....	\$10,000.00	\$490.25
Columbia Federal Savings & Loan Association.....	3,931.25	
Riggs National Bank.....	351.89	
	<u>\$14,283.14</u>	<u>\$490.25</u>

<sup>1</sup> Approximate market value, August 1, 1962.

<sup>2</sup> Fiscal year ending July 31, 1962, except where noted.

<sup>3</sup> Issue called, December 1961; two quarter dividend.

<sup>4</sup> Additional shares purchased, May 1962; stock dividend, July 1962.

<sup>5</sup> Purchased December 1961; two quarter dividend.

<sup>6</sup> Purchased December 1961 and June 1962; two quarter dividend on 50 shares.

The tabulated figures of income, expense, and assets for the fiscal year ending July 31, 1962, again indicate that the state of our finances is satisfactory. Income continues to exceed expense without curtailment of activity, and our investments have maintained a better than average position in the face of fluctuating and uncertain market conditions. The comments that follow will, as in previous years, touch on individual items of particular or timely interest.

*Income and Expense*

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

TABLE 1

	Amount		Percentage	
	1960-1961	1961-1962	1960-1961	1961-1962
Dues.....	\$14,196.49	\$15,511.32	26.0	26.9
Publication program.....	29,019.47	31,270.81	53.1	54.4
Investments.....	7,568.12	7,887.25	14.0	13.7
Contributions, etc.....	3,781.18	2,876.56	6.9	5.0
	<u>\$54,565.26</u>	<u>\$57,545.94</u>		

Although the total income has risen by about 5 per cent, the percentages for the various sources are relatively the same. The increase in the amount received from dues is the result of an increase in membership. The increase shown by the publication program reflects increases in several individual items. At present, 1528 copies of *The American Mineralogist* are distributed on a paid basis compared with 1445 at the same time last year; of these, 577 are delivered to all fifty states, the District of Columbia, and Puerto Rico, and 951 are sent to 80 countries on all continents. The increase of 83 copies is almost equally divided between the United States and foreign destinations. The larger amount from sale of reprints results from payments in relation to the fiscal year closing. It does not represent increased income. There has been no change in the relation between cost of, and income from, reprints, namely, that the society loses money on the distribution of free reprints to those who do not purchase an additional quantity. The sale of back numbers shows a decided upturn this year, the result of the distribution of circulars to subscribers, and the increase cannot be reasonably expected to continue. Advertising revenue has again shown an increase and we take real pleasure in extending our thanks to Mr. and Mrs. Martin L. Ehrmann for their management of this source of income.

TABLE 2

	Amount		Percentage	
	1960-1961	1961-1962	1960-1961	1961-1962
Publication program.....	\$37,031.57	\$40,029.19	84.2	83.6
Office expense.....	3,960.23	3,577.51	9.0	7.4
Officers' honoraria.....	1,937.50	2,000.00	4.4	4.2
Contributions, etc.....	808.46	1,056.78	1.8	2.2
IMA fund advance.....	241.49	1,230.42	0.6	2.6
	<u>\$43,979.25</u>	<u>\$47,893.90</u>		

In Table 2, the expenditures are grouped and the amounts and percentages for each group are shown and compared with those for last year. Several items merit comment. The major change has been a net increase of \$3,000 in the cost of the publication program. A comparison of the disbursements with those of last year shows that the cost of several

items in the program has risen. *The American Mineralogist* has cost an additional \$4,400; the annual program, \$360 more; reprints, \$420 more; and one new item, preparation of the 10-year index, added \$520. With a 9.7% increase in the cost of printing the journal a certainty for 1962-1963, costs will continue to increase next year and possible ways to counterbalance the increase are now under consideration.

Through the combined efforts of the Editor, Secretary, and Treasurer, and the excellent cooperation of the membership, office expense has been reduced \$400 this year and at the present time amounts to 7.4% in a total budget of \$48,000. If the membership, subscribers, and related activities continue to increase at the present rate, any further reduction appears to be not only impossible but impractical. Office expense is allocated about as follows: 25% for clerical assistance, 30% each for printing and postage, and 15% for supplies.

#### *Endowment Fund and Cash Contingency Fund*

The book value of the Endowment Fund securities on August 1, 1962, was \$134,915.64 compared with \$130,515.74 on August 1, 1961. Of this amount, 11.3% is in bonds, 21.4% in preferred stock, and 67.2% in common stock. The market value, computed on the same date, was \$166,466.00. Despite the fluctuations and the downward trend in the market this year, the value of the portfolio has shown relatively little change, amounting to a loss of about 4%. Dividends and interest from the securities totaled \$7,397.00, close to the estimated figure of \$7,400. From the securities now held, an income of \$7,500 is estimated for 1962-63. The percentage yield of each type of security, at both book and market values, is given in Table 3.

TABLE 3

	Total	Bonds	Preferred Stock	Common Stock
Book value.....	5.47	5.03	5.55	5.52
Market value.....	4.43	5.40	5.65	4.04

Table 4 shows the details of the money received for investment from members of the Fifty-Plus Committee. Originally established for a five-year period, the Committee has now completed four years and many members have paid their pledges in full. It is almost impossible to estimate the intrinsic value of the contributions made by this committee. The Society is now and will always be indebted to the members for their faith in the Society and for their willingness to translate it into generous funds at a time when it was most needed.

TABLE 4

Year	Amount Paid In	Cumulative Total (including interest)
1958-1959.....	\$3,719.00	\$ 3,719.00
1959-1960.....	2,520.00	6,389.00
1960-1961.....	2,050.00	8,694.00
1961-1962.....	1,816.00	10,858.00

A Cash Contingency Fund was established last year, on the recommendation of the Financial Advisory Committee, and on August 1, 1961, amounted to \$11,425.50. During this year, \$2,857.64 has been added so that it now amounts to \$14,283.14. The accounts in which the fund is held are given in the tabulated figures on page 473.

### *International Mineralogical Association*

The Third General Meeting of the International Mineralogical Association was held in Washington, D. C., April 17-20, 1962, at the invitation of the Society, with arrangements by a Local Committee under the chairmanship of Alvin Van Valkenburg. The Society received generous financial support for the meeting from the National Science Foundation in the form of a grant for \$25,400 to be used primarily toward the travel expenses of overseas delegates and registrants. This was accomplished in two ways. President D. Jerome Fisher of the IMA apportioned \$8,781 as grants to 39 individuals from 12 countries. In addition, the Society chartered a Britannia aircraft from British Overseas Airways for a round-trip flight, London-New York, to provide partially subsidized transportation to society members. On April 12th, eighty-two passengers (eighty-three if we include 3-month old Jessica Glasser who accompanied her parents) from fifteen countries assembled in London to board the westbound flight, and reassembled at Idlewild Airport in New York on April 30th for the return flight. Total registration for the meeting was 303, of whom 113 were from 21 overseas countries representing all continents, 28 from Canada, and 162 from the United States. The Society published the Program and Abstracts in *The American Mineralogist*, 47, 177-210, (1962), and supplied reprints for use at the meeting. Guidebooks for the field excursions and another to the geology of the Washington area were provided. Your Treasurer handled the finances and presents here a summary of the report submitted to the National Science Foundation.

### IMA Third General Meeting

#### Summary Fiscal Report

#### *Income*

National Science Foundation, Grant G-19478 . . . . .	\$25,400.00	
Mineralogical Society of America . . . . .	478.93	
Fees: Registration and field excursions . . . . .	12,945.93	
Fares: Charter plane . . . . .	12,300.00	\$50,824.86

#### *Expense*

Charter plane . . . . .	\$20,996.00	
Travel grants . . . . .	8,781.00	
Field excursions . . . . .	9,074.30	
Publications . . . . .	478.93	
Local Committee . . . . .	4,768.62	44,098.85

Refund to National Science Foundation . . . . .	\$ 6,726.01
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### *Mineralogical Abstracts*

The four numbers of *Mineralogical Abstracts* published during 1961 were vol. 14, no. 8, the index to 1959-60, and vol. 15, nos. 1-3. The 1231 copies sent to members of the two societies were apportioned as follows: 730 members of the British society and 821 members of the American society (320 of the 821 are members of both societies and therefore receive their copies through their membership in the British society). At least 545 copies were

ordered by various subscribers, but information on the total for 1961 has not been made available by the management. The total income received from member and subscriber payments and sale of back issues was about \$8,900 and total expense of publication and distribution was about \$11,800, that is, \$2,900 in excess of income. To overcome the deficit, new annual rates will go into effect for 1963. These will be \$4.50 annually for individual members of contributing societies and \$12.00 annually for subscribers. Your Treasurer has acted as agent for receiving and transferring the annual payments of the more than 500 individuals who order *Mineralogical Abstracts* as members of MSA. The sum of \$560 was contributed from society funds this year to cover the remaining half of the society's share of the estimated deficit for 1961. However, because of delay and irregularity in the receipt of printing bills for the issues published in 1961, no deficit showed on the accounts at the close of business on December 31, 1961 (see *Mineralogical Magazine*, no. 257, pp. lviii-lix, June, 1962).

The continuity of operation of the Treasurer's office depends on several individuals to whom my sincere thanks are here extended,—specifically, Harriet Evans for capable clerical assistance; Edward P. Henderson, Arthur Montgomery, and William T. Pecora, of the Financial Advisory Committee, for their continued attention to our investments and their sound advice; Stanly Carr and Herbert Allen, of Merrill Lynch, custodian of our portfolio; Irwin H. Wensink and Alvin A. Lang, of George Banta Company, Inc., printer of *The American Mineralogist*. In addition to the mention of these individuals with particular responsibilities, however, it is a most pleasant duty to extend my sincere thanks to all our members and our business associates for their faithful cooperation at all times.

Respectfully submitted,  
MARJORIE HOOKER, *Treasurer*

#### REPORT OF THE AUDITING COMMITTEE

*To the President of the Mineralogical Society of America:*

On October 22, 1962, the Auditing Committee examined the accounts of the Treasurer of the Society and found them in excellent order for the fiscal year August 1961–July 1962.

The Treasurer is to be commended again for her efficient care of the accounts of the Society.

Respectfully submitted,  
DAVID GOTTFREID  
ALVIN VAN VALKENBURG  
GORDON L. DAVIS, *Chairman*

#### REPORT OF THE EDITOR FOR 1962

##### *Summary of Publication Results*

During 1962 we have published a total of 1513 pages (Table 1) which is based on 86 main articles and 66 shorter articles. Of the main articles 17% were of foreign extraction; of the shorter articles, nearly 23% were from foreign authors. The foreign articles came to us from: Australia, Canada, England, Germany, Japan, India, Israel, Netherlands, Nigeria, Scotland, Sweden and Switzerland.

A comparison with 1961 is given in Table 2. In part, the difference lies in what has been called a major or a short article. About 20 book reviews have appeared, essentially the same as 1961. "New Mineral Names" appeared in 5 of the 6 numbers. Descriptions of 9 new minerals appeared, and several very rare species were described in their second or third occurrence.

TABLE 1. DISTRIBUTION OF ARTICLES IN *The American Mineralogist*, VOL. 47, 1962

No.	Main Articles			Notes			Pages
	Total	U. S.	Foreign <sup>1</sup>	Total	U. S.	Foreign <sup>1</sup>	
Jan.-Feb.	15	13	2	7	3	4	210
March-April	14	12	2	6	4	2	328
May-June	15	12	3	16	14	2	280
July-Aug.	11	9	2	13	12	1	186
Sept.-Oct.	14	10	4	11	8	3	226
Nov.-Dec.	17	15	2	13	10	3	283
Total	86	71	15	66	51	15	1513

<sup>1</sup> Counted as "foreign" are those in which the author or *all* authors performed the research outside of the U. S.

TABLE 2. COMPARISON OF VOLUMES 46 (1961) AND 47 (1962) OF *The American Mineralogist*

	1961	1962
Main Articles	91	86
Short Articles	36	66
Total Articles	127	152
% Foreign	20%	20%
Total Pages	1543	1513

#### *Changes in Volume 47, 1962*

Largely to permit more of the Table of Contents to appear on the front cover, there was a rearrangement on this cover, mainly involving shifting of the position of the seal of the Society. To the inside front cover there was added (in the March-April number) the editorial policy statement wrought by the Editorial Policy Committee and approved by the Council. Minor changes include changing the name of the section formerly called "Notes and News" to "Mineralogical Notes" and adding a section entitled "Publication received" for brief acknowledgment and recognition of shorter publications unsuitable for detailed review. "New Mineral Names" is now recognized as being the product of M. Fleischer's time and effort, and, in this connection, Fleischer now has the help of several "co-editors" who are searching for and abstracting new mineral descriptions in a number of foreign journals. In my opinion this feature remains one of the most valuable parts of the *Journal*, and I, the members and fellows of the MSA, and all readers of *The American Mineralogist* owe Mike Fleischer a sincere vote of thanks for his continuing, indefatigable efforts.

In the January-February number we also published the program and abstracts of the 3d IMA Congress. In the March-April number there appeared the Constitution and By-Laws and the Directory of Fellows and Members. The latter owes its new streamlined form and effective presentation entirely to Marjorie Hooker's efforts. The March-April number was again divided into two parts: Part 2 containing awards, memorials, proceedings, etc.

*Efforts to Improve the Journal*

Efforts to improve the journal and its operation may be described under these headings:

- 1) Improving the mechanics of operation of the Editor's office.
- 2) Improving the quality of the manuscripts.
  - a) In form and manner of presentation.
  - b) In scientific content.

Under heading 1) we now maintain records giving a complete "life history" of each manuscript from the time it reaches us until it is published. There are also available now standard forms for a) Acknowledging receipt of manuscript, b) Letters of transmittal to referees, c) Refereeing forms, d) Accept, revise and reject letters to authors, e) Referee reminder letters, f) Book review records and g) Letters to potential book reviewers. The use of these forms has greatly reduced the time formerly required for routine editorial chores. The files of the Editor's office also have been brought up to date, and a number of items were sent to George T. Faust for inclusion in the Archives of the Society.

Many manuscripts and not just foreign ones, still reach us badly prepared and with unusable illustrations, necessitating tedious revision by the editor or in some cases a return to the author. To alleviate this situation we prepared and published in the January-February number a 1½-page set of guides entitled "Preparation of Manuscripts—Instructions to Authors," copies of which are included with all manuscripts returned for revision or those rejected. We also have plans to distribute this guide more generally to the Fellows. In the past an inordinate amount of time was spent by the two previous editors in revising poorly prepared manuscripts. In my opinion this was a mistake, as it encouraged authors to submit manuscripts that continued to be inadequately or incorrectly presented. Certainly a scientist capable of completing the research necessary for a paper is equally capable of an accurate, legible and editorially usable presentation of his results, provided he makes the effort and examines the style and format of the journal to which he plans to submit the manuscript.

All papers are read by at least one referee, and my main efforts for improvement of the journal have gone into careful selection of referees. About half of the manuscripts were on subjects with which members of the Board of Associate Editors were particularly familiar. Moreover, manuscripts sent to them were referred to other critics that an Associate Editor suggested or were read by another critic as well as the Associate Editor. All other papers were sent to a referee who, by my knowledge, was 1) not only competent to review the subject but 2) would be willing to give the manuscript a detailed careful scrutiny and 3) to do it within a month.

As a result, a larger number of manuscripts than in previous years have been returned to the author(s) for either minor or major revisions. In nearly all cases the authors of manuscripts returned for revision have acknowledged and accepted the critics efforts on their behalf, some even with thanks.

Individuals in addition to the Associate Editors, who have acted as manuscript referees in 1962 are listed in Table 3. To all of these I am very grateful for their generous assistance.

*Manuscript Backlog and Publication Time*

During the last year we have gradually reduced the time between receipt of manuscript and its publication from about 11 months to as little as 6 months. The November-December number includes a manuscript received June 21st. It is however, no longer a true measure of our "publication interval" to cite the date on which a manuscript was received. In many cases we are able to process, review and return a manuscript in a much shorter time than the author takes to revise it and return it in acceptable form.

During 1962, 167 manuscripts were received of which 99 were major articles.

TABLE 3. LIST OF 1962 MANUSCRIPT REFEREES (IN ADDITION TO ASSOCIATE EDITORS)

S. W. Bailey	W. C. Kelly
C. W. Beck	J. A. Kohn
L. G. Berry	A. A. Levinson
R. Borup	J. B. Lyons
W. F. Bradley	D. McConnell
L. I. Briggs	R. S. Mitchell
G. W. Brindley	M. E. Mrose
M. J. Buerger	C. R. Naeser
C. W. Burnham	A. Pabst
C. W. Burnham	D. R. Peacor
P. L. Cloke	E. Poindexter
R. M. Denning	L. S. Ramsdell
J. D. H. Donnay	E. H. Roseboom, Jr.
J. W. Earley	R. B. Rowe
E. G. Ernst	C. A. Salotti
G. T. Faust	J. F. Schairer
D. J. Fisher	B. J. Skinner
M. Fleischer	C. B. Slawson
M. D. Foster	C. A. Sorrell
C. Frondel	G. Switzer
A. J. Frueh, Jr.	R. T. Tiettenhorst
R. E. Grim	T. P. Thayer
J. W. Gruner	P. Toulmin
D. M. Henderson	George Tunell
E. P. Henderson	H. Winchell
W. T. Holser	D. R. Wones
W. D. Keller	J. H. Zumberge

At the present time (November 4, 1962) the backlog of *unpublished* material can be broken down as follows (excluding manuscripts assigned to the November–December number):

Accepted major manuscripts.....	15
Accepted shorter manuscripts.....	5
Manuscripts being reviewed.....	20
Manuscripts reviewed, returned to authors for revision, and not yet returned to editor,	
Major manuscripts.....	13 <sup>1</sup>
Short manuscripts.....	5
	<u>58</u>

<sup>1</sup> Includes 5 manuscripts not returned by authors for over 6 months.

If we assume a 12% mortality and omit the 5 manuscripts not returned for 6 months, we have on hand or potentially available (November 4, 1962) 47 manuscripts or about enough for two issues of *The American Mineralogist*. I doubt seriously that the backlog can be reduced substantially below this figure.

#### Miscellaneous

1. Acting on a suggestion by Duncan McConnell I entered into correspondence with

a number of Fellows regarding the problem of reviewing Russian publications in mineralogy. The results of our protracted discussions may be summarized thus:

- a. We feel it is very desirable to review many of the major Russian publications.
- b. We have sufficient personnel capable both in Russian and mineralogy to prepare such reviews.
- c. There is apparently no way in which we can obtain review copies (gratis) of the Russian publications, and no one wants to buy books himself in order to review them.

Conclusion: We are back where we started.

2. Correspondence with R. H. Jahns indicates that no manuscripts for the Council-authorized series "Famous Mineral Occurrences" are as yet complete, but he believes that if this matter were seriously pressed, 8 or 10 manuscripts could be made available readily. He advances the idea of one or more special reports or monographs for such a series, a thought I heartily endorse. Again money for publication is the main roadblock.

Faithfully yours,

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

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.

## SECRETARIES

1920-1922 Herbert P. Whitlock  
 1923-1933 Frank R. Van Horn  
 1933-1934 Albert P. 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

1920 Arthur S. Eakle, Frank R. Van Horn, Fred E. Wright, Alexander H. Phillips.  
 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.  
 1926 Esper S. Larsen, Arthur L. Parsons, William F. Foshag, William A. Tarr.  
 1927 Arthur L. Parsons, William F. Foshag, William A. Tarr, Alexander N. Winchell.  
 1928 William F. Foshag, William A. Tarr, Alexander N. Winchell, Ellis Thomson.  
 1929 William A. Tarr, Alexander N. Winchell, Ellis Thomson, Clarence S. Ross.  
 1930 Alexander N. Winchell, Ellis Thomson, Clarence S. Ross, Paul F. Kerr.  
 1931 Ellis Thomson, Clarence S. Ross, Paul F. Kerr, William S. Bayley.  
 1932 Clarence S. Ross, Paul F. Kerr, William S. Bayley, William J. McCaughey.  
 1933 Paul F. Kerr, William S. Bayley, William J. McCaughey, Kenneth K. Landes.  
 1934 William S. Bayley, William J. McCaughey, Kenneth K. Landes, E. P. Henderson.

- 1935 William J. McCaughey, Kenneth K. Landes, E. P. Henderson, J. F. Schairer.
- 1936 Kenneth K. Landes, E. P. Henderson, J. F. Schairer, Arthur F. Buddington.
- 1937 E. P. Henderson, J. F. Schairer, Arthur F. Buddington, Arthur P. Honess.
- 1938 J. F. Schairer, Arthur F. Buddington, Arthur P. Honess, R. C. Emmons.
- 1939 Arthur F. Buddington, Arthur P. Honess, R. C. Emmons, Carl Tolman.
- 1940 Arthur P. Honess, R. C. Emmons, Carl Tolman, D. Jerome Fisher.
- 1941 R. C. Emmons, Carl Tolman, D. Jerome Fisher, Martin A. Peacock.
- 1942 Carl Tolman, D. Jerome Fisher, Martin A. Peacock, Adolf Pabst.
- 1943 D. Jerome Fisher, Martin A. Peacock, Adolf Pabst, C. S. Hurlbut, Jr.
- 1944 Martin A. Peacock, Adolf Pabst, Michael Fleischer, S. J. Shand.
- 1945 Adolf Pabst, Michael Fleischer, S. J. Shand, R. E. Grim.
- 1946 Michael Fleischer, S. J. Shand, R. E. Grim, Joseph Murdoch.
- 1947 S. J. Shand, R. E. Grim, Joseph Murdoch, H. H. Hess.
- 1948 R. E. Grim, Joseph Murdoch, H. H. Hess, Clifford Frondel.
- 1949 Joseph Murdoch, H. H. Hess, Clifford Frondel, Lewis S. Ramsdell.
- 1950 H. H. Hess, Clifford Frondel, Lewis S. Ramsdell, E. F. Osborn.
- 1951 Clifford Frondel, Lewis S. Ramsdell, E. F. Osborn, George T. Faust.
- 1952 Lewis S. Ramsdell, E. F. Osborn, George T. Faust, Victor T. Allen.
- 1953 E. F. Osborn, George T. Faust, Victor T. Allen, C. Osborne Hutton.
- 1954 George T. Faust, Victor T. Allen, C. Osborne Hutton, Felix Chayes.
- 1955 Victor T. Allen, C. Osborne Hutton, Felix Chayes, L. G. Berry.
- 1956 C. Osborne Hutton, Felix Chayes, L. G. Berry, C. B. Slawson, A. O. Woodford.
- 1957 Felix Chayes, L. G. Berry, C. B. Slawson, A. O. Woodford, S. S. Goldich.
- 1958 L. G. Berry, C. B. Slawson, A. O. Woodford, S. S. Goldich, B. H. Mason, R. H. Jahns, C. Milton.
- 1959 S. S. Goldich, B. H. Mason, R. H. Jahns, C. Milton, W. R. Foster, E. W. Nuffield.
- 1960 R. H. Jahns, C. Milton, W. R. Foster, E. W. Nuffield, J. R. Goldsmith, Horace Winchell.
- 1961 W. R. Foster, E. W. Nuffield, J. R. Goldsmith, Horace Winchell, R. M. Garrels, O. F. Tuttle.
- 1962 J. R. Goldsmith, Horace Winchell, R. M. Garrels, O. F. Tuttle, Francis J. Turner, Hatten S. Yoder, Jr.

#### Annual Meeting Places

- |                               |                               |
|-------------------------------|-------------------------------|
| 1920 Chicago, Illinois        | 1936 Cincinnati, Ohio         |
| 1921 Amherst, Massachusetts   | 1937 Washington, D. C.        |
| 1922 Ann Arbor, Michigan      | 1938 New York, New York       |
| 1923 Washington, D. C.        | 1939 Minneapolis, Minnesota   |
| 1924 Ithaca, New York         | 1940 Austin, Texas            |
| 1925 New Haven, Connecticut   | 1941 Boston, Massachusetts    |
| 1926 Madison, Wisconsin       | 1942 No meeting held          |
| 1927 Cleveland, Ohio          | 1943 No meeting held          |
| 1928 New York, New York       | 1944 No meeting held          |
| 1929 Washington, D. C.        | 1945 Pittsburgh, Pennsylvania |
| 1930 Toronto, Canada          | 1946 Chicago, Illinois        |
| 1931 Tulsa, Oklahoma          | 1947 Ottawa, Canada           |
| 1932 Cambridge, Massachusetts | 1948 New York, New York       |
| 1933 Chicago, Illinois        | 1949 El Paso, Texas           |
| 1934 Rochester, New York      | 1950 Washington, D. C.        |
| 1935 New York, New York       | 1951 Detroit, Michigan        |

1952 Boston, Massachusetts	1958 St. Louis, Missouri
1953 Toronto, Canada	1959 Pittsburgh, Pennsylvania
1954 Los Angeles, California	1960 Denver, Colorado
1955 New Orleans, Louisiana	1961 Cincinnati, Ohio
1956 Minneapolis, Minnesota	1962 Houston, Texas
1957 Atlantic City, New Jersey	

#### Recipients of the Roebling Medal

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

#### Recipients of the Mineralogical Society of America Award

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

#### 1962 ANNUAL MEETING AT HOUSTON, TEXAS

The meetings of the following societies were held November 12-14, 1962.

The Geological Society of America—75th  
 The Paleontological Society—54th  
 The Mineralogical Society of America—43rd  
 Society of Economic Geologists—43rd  
 The Geochemical Society—7th

Abstracts of the papers presented are printed in the *Geological Society of America, Special Papers*. No. 73, 1963.

Dr. Arno Schüller, Professor of Mineralogy and Petrography  
 at the University of Heidelberg, Germany, died  
 February 27, 1963 at the age of 54.