

PROCEEDINGS OF THE SEVENTEENTH ANNUAL MEETING OF THE MINERALOGICAL SOCIETY OF AMERICA AT CINCINNATI, OHIO

PAUL F. KERR, *Secretary*.

The seventeenth annual meeting of the Society was called to order Tuesday, December 29th, at 1:30 P.M., in the Pavillon Caprice of the Netherland Plaza Hotel, 5th and Race Streets, Cincinnati, Ohio, President William S. Bayley presiding. The customary business of the Society was conducted, including reports by the officers of the Society and committees summarized as follows:

MINUTES OF THE LAST ANNUAL MEETING.

REPORT OF THE SECRETARY.

REPORT OF THE EDITOR.

REPORT OF THE TREASURER.

MEMORIAL:

A brief oral tribute was presented by Dean Edward H. Kraus of the University of Michigan, for Roy J. Colony, late Fellow of the Society.

COMMITTEES:

REPORT OF THE AUDITING COMMITTEE.

The business meeting was adjourned at 2:00 P.M., and the president, William S. Bayley, called for the presentation of papers. The report of the election of officers and fellows for 1937, the reports of the Secretary, Editor, and Treasurer, and the reports of the committees are given in the following pages.

ELECTION OF OFFICERS AND FELLOWS FOR 1937

The Secretary announced that 229 ballots have been cast unanimously for the officers as nominated by the Council. The officers for 1937 are as follows:

President: Norman L. Bowen, Geophysical Laboratory, Washington, D. C.

Vice-President: Hardy V. Ellsworth, Canada Geological Survey, Ottawa, Canada.

Secretary: Paul F. Kerr, Columbia University, New York, N. Y.

Treasurer: Waldemar T. Schaller, U. S. Geological Survey, Washington, D. C.

Editor: Walter F. Hunt, University of Michigan, Ann Arbor, Michigan.

Councilor, 1937-1940: Arthur P. Honess, State College, Pa.

The Secretary announced that according to the provisions of the Constitution, the following had been elected to Fellowship in the Mineralogical Society of America:

Charles A. Anderson, University of California, Berkeley, California.

Bert S. Butler, University of Arizona, Tucson, Arizona.

Burnham S. Colburn, Greystone Court, Biltmore, North Carolina.

Louis C. Graton, Harvard University, Cambridge, Massachusetts.

Albert Johannsen, University of Chicago, Chicago, Illinois.

Waldemar Lindgren, Massachusetts Institute of Technology, Cambridge, Massachusetts.

Warren J. Mead, Massachusetts Institute of Technology, Cambridge, Massachusetts.

Frederick K. Morris, Massachusetts Institute of Technology, Cambridge, Massachusetts.

Gilman S. Stanton, 245 West 104 St., New York, N. Y.

Carl Tolman, Washington University, St. Louis, Missouri.

M. Vonsen, Petaluma, California.

Alfred O. Woodford, 443 West Tenth St., Claremont, California.

AMENDMENT TO CONSTITUTION

The Secretary announced that the following amendment to the constitution of the Mineralogical Society of America had been passed by a vote of the fellows:

"Outstanding scientists of recognized scientific accomplishments in the field of Mineralogy, Petrography, Crystallography, and allied sciences, who are members of other scientific societies in the field of geology, such as the Geological Society of America, Society of Economic Geologists, American Institute of Mining and Metallurgical Engineers, the American Association of Petroleum Geologists, and other similar scientific societies, may be nominated for FELLOWSHIP in the Society upon recommendation of the Council."

REPORT OF THE SECRETARY FOR 1936

To the Council, Fellows and Members of the Mineralogical Society of America:

The Secretary reports the statistics concerning the membership of the Society for the last twelve months as follows:

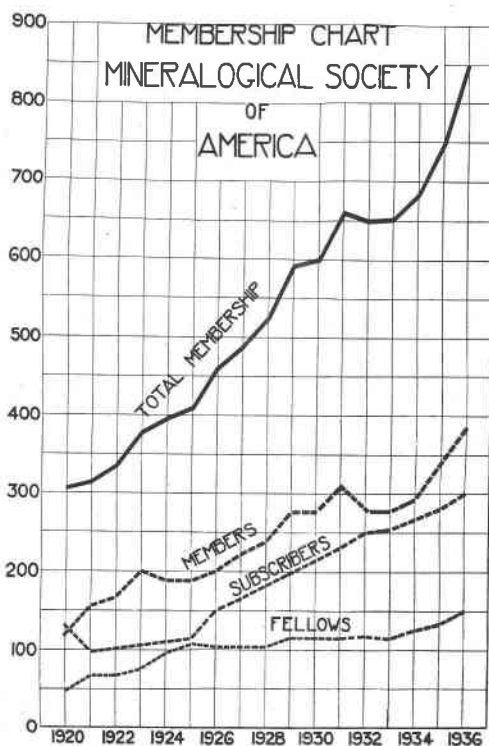
MEMBERSHIP STATISTICS		
	<i>December</i> 1935	<i>December</i> 1936
Correspondents	4	4
Fellows	132	154
Members	336	387
Subscribers	<u>281</u>	<u>305</u>
	753	850
GAIN AND LOSS FOR 1936		
	<i>Gain</i>	<i>Loss</i>
Correspondents		
Fellows (not including members elected fellows)		1
Members	100	26
Subscribers	<u>45</u>	<u>21</u>
	145	48

During 1936 the Mineralogical Society of America has made a net gain in membership of 97, or slightly over 12% on the basis of the 1935 total. There has been a gain in both members and subscribers for the past year, and as last year, the greatest gain has been in the members.

About 850 copies of *The American Mineralogist* are sent out each month. The majority of these go to the United States and Canada, but more than 150 are sent to Europe, Asia, Africa and South America.

It has been the custom of the Secretary's office to record the membership status of the Society for each preceding year in the March issue of *The American Mineralogist*. The figures given apply to the last year and the year immediately preceding, but it has not been the custom to attempt any general review covering a period of years. It is felt that in such a report the significance of the figures, in relationship to the general progress of the Society may be overlooked.

In order to more effectively inform the membership of the progress of the Mineralogical Society of America, since it was first organized, a membership chart covering the entire life of the Society is included for 1936.



The membership chart emphasizes a number of features which should be of interest to all members of the Society. At the completion of the organization period in the latter part of 1919, and during 1920, the total membership of the Society amounted to 303. Since that time, with the exception of two years during the depression, the total membership of the Society has not failed to show an increase. It is also interesting to observe that the loss of members recorded during the depression has been made up and the growth curve of the Society at present appears to be following a normal trend, at least, and is perhaps a little higher than normal. From an original membership of 303, the Society has grown in the seventeen years of its activity to a total membership of 850.

Respectfully submitted,

PAUL F. KERR, *Secretary*

REPORT OF THE EDITOR FOR 1936

To the Council, Fellows and Members of The Mineralogical Society of America:

In many respects, from the Editor's standpoint, 1936 might be considered a very satisfactory year. The current volume contains 818 pages of text material and compares favorably with the volume of a year ago, which was the largest in the history of the Society.

While the volume of 1935 contains approximately 65 more pages, it should be recalled that the printed page of the current volume is somewhat larger than that used a year ago, so that the total volume of printed material for the past two years is approximately the same.

The enlarged volume of the Journal this past year, as in 1936, was due, in part, to some financial assistance received from the Geological Society of America, which is here gratefully acknowledged. The Council of the G.S.A. at a meeting held last October graciously voted to recommend the continuance of this assistance during 1937.

The Subject-Author Index covering the first twenty volumes of *The American Mineralogist*, which has been in preparation for some time, was completed during the year and distributed to those who had placed orders with the Treasurer. As the cost for the preparation and printing of this time-saving index was in excess of \$1100, the Council has deemed it necessary to place a nominal price of \$1.00 per copy, for members of the Society. So far the returns to the Society on this investment have been less than \$150. Orders can still be supplied from the surplus stock and the readers of the Journal are urged to secure copies while they are still available.

An analysis of volume 21 shows that 85% of the total space of the Journal was devoted to 62 major articles. This is the equivalent of more than 5 leading articles to an issue. While a number of these contributions represent fairly long papers, the great majority were of moderate length, so that the average for the entire number is 12 printed pages for each article. In addition to these main contributions, 29 somewhat shorter papers were accepted, making a total for the year of 91 published manuscripts that were received from 91 contributors. The service rendered by the Society's publication is clearly revealed by the 42 institutions that are represented by this year's contributions. These institutions are not confined to the States, as 9 papers (some of joint authorship) were received from countries beyond our own borders—2 from Soviet Russia, 3 from Belgium, and one each from Canada, Japan, England, and Holland.

While the papers offered the readers this year cover 8 special divisions, it will be noted that articles on descriptive mineralogy, chemical mineralogy, and petrography lead the list with at least 10 papers in each of these fields. Contributions to optical mineralogy, structural crystallography and geometrical crystallography were, however, almost as numerous.

To bring before our readers reviews of recent books that have appeared on mineralogy is an important function of the Journal and during the current year 13 such reviews have been prepared and printed.

Inasmuch as illustrations and photographs are aids to the understanding of technical papers, a very liberal policy has been followed in recent years in the number of cuts accepted. This number has grown steadily from year to year, and in 1936 reached the high level mark of 268.

The accompanying table of contents summarizes in detail the distribution of subject matter in volume 21.

DISTRIBUTION OF SUBJECT MATTER IN VOLUME 21

<i>Subjects</i>	<i>Articles</i>	<i>Pages</i>	<i>Per Cent of Total</i>
Leading articles			
Descriptive mineralogy	13		
Chemical mineralogy	11		
Optical mineralogy	5		
Mineralography	1		
Structural crystallography	8		
Geometrica' crystallography	7		
Petrography	10		
Memorials, miscellaneous	7		
	<u>62</u>	695	85
Proceedings of societies	28	41	
Short articles	29	58½	
Notes and news	15	7	
Abstracts of new mineral names	18	6	
Book reviews	13	10½	
<i>Total of text</i>	165	818	100
Illustrations	268		
Covers, advertisements, index		<u>122</u>	
Total		940	

Respectfully submitted,

WALTER F. HUNT, *Editor*

REPORT OF THE TREASURER FOR 1936

To the Council of the Mineralogical Society of America:

Your Treasurer submits herewith his annual report for the year beginning December 1, 1935, and ending November 30, 1936.

RECEIPTS

Cash on hand December 1, 1935.	\$3,080.80
Dues and subscriptions.	2,294.07
Advertisements.	467.63
Sale of back numbers.	359.23
Authors' charges on separates.	456.33
Interest on endowment.	2,349.50
Sale of 20-volume index.	146.50
Geological Society of America grant for 1936.	1,500.00
Partial payments on principal of Certificates, The Trenton Mortgage and Title Guaranty Co.	<u>248.60</u>
	\$10,902.66

DISBURSEMENTS

Printing and distribution of the Journal (12 issues)	\$5,095.93	
Printing and distribution of separates.	679.73	
To the Editor, Secretary, and Treasurer.	907.50	
Postage.	121.64	
Printing.	77.92	
Stationery.	12.90	
Clerical help.	206.87	
Committee expenses.	2.40	
Safety deposit box.	8.25	
Bank collecting charges.	3.40	
Telegrams.	1.26	
Check returned.	34.38	
Refunds on authors' separates.	5.95	
Printing of 20-volume index.	509.61	
Roebing Medal Fund.	100.00	
Cash from partial payments on principal of Certificates, The Trenton Mortgage and Title Guaranty Co.	248.60	
	<u>\$8,016.34</u>	
Cash balance November 30, 1936.	<u>\$2,886.32</u>	
		\$10,902.66

The partial payments on the principal of the Certificates of the Trenton Mortgage & Title Guaranty Co., of Trenton, N. J., namely \$248.60 have been converted into cash and placed with the Certificates.

The endowment funds of the Society as of November 30, 1936 consist of the following securities:

4 \$100 bonds, Great Northern Railway Co., Genl. mtg., 5½%, due January 1, 1952.	\$	400.00
1 \$500 bond, Union Pacific R. R., Lien and ref. mtg., 4%, due June 1, 2008 . . .		500.00
1 \$1,000 bond, The Denver Gas and Electric Light Co. First and ref. mtg., 5%, due May 1, 1951.		1,000.00
2 \$1,000 Certificates, The Trenton Mortgage and Title Guaranty Co., First mtg., 5½%, due November 1, 1937.		2,000.00
2 \$1,000 Certificates, The Trenton Mortgage and Title Guaranty Co., First mtg., 5½%, due April 1 and December 1, 1938.		2,000.00
45 \$1,000 bonds, City and County of Honolulu, Hawaii, Water Works, 5%, due April 15, 1954.		<u>45,000.00</u>
		\$50,900.00

In addition, there is \$300.00 in U. S. Postal Savings bonds, and \$100.00 in cash, a total of \$400.00, laid aside for the Roebing Medal Fund.

Respectfully submitted,

WALDEMAR T. SCHALLER, *Treasurer*

Statement of Special Dana Fund of the Mineralogical Society of America, initiated by Professor E. S. Dana, and since his death cared for by the Treasurer. Disbursement made to the daughter of Professor F. Berwerth in Vienna, Austria.

RECEIPTS		
Available balance November 30, 1935.....	\$1,397.71	
Interest.....	34.24	
Contribution.....	10.00	
		\$1,441.95
DISBURSEMENTS		
Disbursed.....	\$ 180.00	
Available balance November 30, 1936.....	1,261.95	
		\$1,441.95

REPORT OF THE AUDITING COMMITTEE

To the President of the Mineralogical Society of America:

The Auditing Committee has examined and verified the accounts and report of the Treasurer for the fiscal year ending November 30, 1936. The securities listed in the Treasurer's report are in the safety deposit box at the American Security and Trust Company of Washington, D. C. All future coupons on the coupon bonds are attached. In addition there is in the box \$300.00 in U. S. Postal Savings Bonds and \$100.00 in cash laid aside for the Roebling Medal Fund. There is also in the box \$248.60 in cash, representing payments on the principal of the certificates of the Trenton Mortgage and Title Guaranty Company together with said certificates (registered).

Respectfully submitted,

NORMAN L. BOWEN, *Chairman*
 JEWELL J. GLASS
 THOMAS B. NOLAN