

PROCEEDINGS
OF THE
MINERALOGICAL SOCIETY

EXCERPT MINUTES OF COUNCIL MEETING.

*Held in the Apartments of the Geological Society, Burlington House,
London, W., June 19, 1923, at 4.30 p.m.*

Dr. A. HUTCHINSON, F.R.S., President, in the Chair.

The following changes in the list of Officers and Council were approved for recommendation to the Members of the Society: Ordinary Members of Council—Messrs. Brammall, De Castro, Russell, and Gladstone Smith, in place of four retiring Members of Council, Messrs. Barker, Cullis, Crook, and Richardson.

It was decided to hold five meetings in the next session, and the following dates were suggested: Tuesdays, November 6 (1923), January 15, February 19, March 18, June 17, and November 4 (1924).

A letter from the Faraday Society was read, inviting the Mineralogical Society to appoint two delegates to make arrangements for a proposed 'General discussion on the physical chemistry of rock formation'. Mr. Crook and Dr. Prior were appointed to act as delegates.

A proposal for an exchange of publications with the Imperial Geological Survey of Japan was accepted.

GENERAL MEETING.

*Held in the Apartments of the Geological Society, Burlington House,
London, W., June 19, 1923, at 5.30 p.m.*

Dr. A. HUTCHINSON, F.R.S., President, in the Chair.

Thirty-two Members and four Visitors were present.

The suggested dates of meeting for the next session were confirmed.

The following papers were read:—

1. New lead-copper minerals from the Mendip Hills (Somerset): by Dr. L. J. Spencer, with chemical analyses by Mr. E. D. Mountain (p. 67).
2. On a petalite-bearing rock from Devonshire: by Dr. W. F. P. McLintock (p. 140).
3. The Dartmoor granite; monazite and other accessory minerals; tourmalinization: by Mr. A. Brammall and Dr. H. F. Harwood.

4. Optical dispersion of three intermediate plagioclases : by Mr. Seitarô Tsuboi (p. 93).
5. A dispersion method of determining plagioclases in cleavage-flakes : by Mr. Seitarô Tsuboi (p. 108).
6. The ' toadstone-clays ' of Derbyshire : by Mr. C. S. Garnett (p. 151).
7. On the meteoric stone which fell at Ashdon, Essex, on March 9, 1923 : by Dr. G. T. Prior (p. 131).
8. The Sinai meteorite : by Dr. G. T. Prior (p. 134).
9. The detection of rotatory polarization in an orthorhombic crystal exhibiting crossed axial dispersion : by Mr. G. Greenwood (p. 123).
10. The chemical classification of the mica group. I. The acid micas : by Mr. A. F. Hallimond.

EXCERPT MINUTES OF COUNCIL MEETING.

*Held in the Apartments of the Geological Society, Burlington House,
London, W., November 6, 1923, at 4.30 p.m.*

Dr. A. HUTCHINSON, F.R.S., President, in the Chair.

The following were provisionally elected Ordinary Members of the Society, Mr. Maurice Blumenthal, Sir William Henry Bragg, Mr. Arthur Delmar Combe, Mr. Ernest Henry Davison, Mr. Samuel George Gordon, Prof. William Thomas Gordon, Prof. Esper Signius Larsen, Dr. Herbert Eugene Merwin, Mr. James Phemister, Mr. Herbert Harold Read, Dr. Henry Stephens Washington, Mr. Norman Wrigley Wilson, and Dr. Frederic Eugene Wright.

The draft Annual Report of Council, submitted by the Secretary, was read and approved.

A letter from the Royal Society announcing the grant of £85 towards the cost of printing of 'Mineralogical Abstracts', was read.

GENERAL (ANNIVERSARY) MEETING.

*Held in the Apartments of the Geological Society, Burlington House,
London, W., November 6, 1923, at 5.30 p.m.*

Dr. A. HUTCHINSON, F.R.S., President, in the Chair.

Thirty-three Members and three Visitors were present.

The Chairman nominated Messrs. Mountain and Richardson to act as scrutineers of the voting-papers for the election of Officers and Council.

The scrutineers reported that thirty-four voting papers had been returned to the Secretary, and that the list as nominated by the Council was approved, namely:—

President. Dr. A. Hutchinson, O.B.E., M.A., Ph.D., F.R.S.

Vice-Presidents. Prof. H. L. Bowman, M.A., D.Sc., F.G.S.

Dr. H. H. Thomas, M.A., Sc.D., F.G.S.

Treasurer. J. W. Evans, C.B.E., LL.B., D.Sc., F.R.S.

General Secretary. G. T. Prior, M.A., D.Sc., F.R.S.

Foreign Secretary. Prof. W. W. Watts, LL.D., Sc.D., F.R.S.

Editor of the Journal. L. J. Spencer, M.A., Sc.D., F.G.S.

Ordinary Members of the Council.

J. S. Flett, M.A., LL.D., D.Sc., F.R.S.	Sir T. H. Holland, D.Sc., F.R.S.
W. F. P. McLintock, D.Sc., F.G.S.	Sir J. J. H. Teal, LL.D., F.R.S.
G. F. Herbert Smith, M.A., D.Sc.	A. Brammall, Ph.D., M.Sc.
H. Collingridge, B.Sc., F.G.S.	J. P. De Castro, M.A., F.C.S.
A. B. Edge, B.Sc., F.C.S.	A. Russell, M.B.E.
Prof. H. Hilton, M.A., D.Sc.	H. G. Smith, B.Sc., F.G.S.

The elections of Mr. M. Blumenthal, Sir William Bragg, Mr. A. D. Combe, Mr. E. H. Davison, Mr. S. G. Gordon, Prof. W. T. Gordon, Prof. E. S. Larsen, Dr. H. E. Merwin, Mr. J. Phemister, Mr. H. H. Read, Dr. H. S. Washington, Mr. N. W. Wilson, and Dr. F. E. Wright as Ordinary Members of the Society were confirmed.

A vote of thanks to the Geological Society for permission to meet in the Apartments of the Society was carried.

The following ANNUAL REPORT OF COUNCIL was read:—

During the Session 1922–23 four ordinary meetings have been held (by kind permission) in the Apartments of the Geological Society, Burlington House, W., at which twenty-three papers were read.

Four numbers of the Journal (nos. 99–102), containing twelve papers, have been issued quarterly. No. 99 contained the very detailed topographical and alphabetical indexes to volume 1 of 'Mineralogical Abstracts', which we owe to the indefatigable labours of our editor. The separately-paged appendixes of 'Mineralogical Abstracts' contained 392 abstracts. The separate publication of 'Mineralogical Abstracts' apart from the Journal has been discontinued.

The balance-sheet for the year ending December 31, 1922, showed that the financial position of the Society was satisfactory. The assets (exclusive of the Library and stock of the Journal) amounted to £1,277 18s. 7d., and the liabilities to £250 7s. 5d. The value of the Stock invested in the names of the Trustees of the Society was on that date £946 10s. 7d., corresponding to £19 14s. 5d. for each Life-Member. A sum of £85 was granted by the Royal Society in aid of the publication of 'Mineralogical Abstracts'.

During the Session the Society has lost by resignation two Ordinary Members. Fourteen Ordinary Members have been elected. The total number of members on November 5, 1923, was 173, of whom 12 are Honorary. Of the Ordinary Members 48 are Life-Members.

During the Session Dr. Prior has represented the Society on the Federal Council of Pure and Applied Chemistry; Dr. Spencer and Dr. Herbert Smith on the 'Publications' and 'Miscellaneous' Committees respectively of the Imperial Mineral Resources Bureau; and Mr. Crook and Dr. Prior on a Committee of the Faraday Society to arrange a 'General discussion on the physical chemistry of rock formation'.

The Council has to congratulate the Society on its continued scientific activity and prosperity.

On the motion of Mr. Hallimond, seconded by Dr. Raisin, the Report was adopted.

The following papers were then read:—

1. On the genesis of Widmanstätten structure in meteorites and alloys: by Colonel N. T. Belaiew (p. 173).
 2. On the occurrence of the rare mineral nadorite in Cornwall, and of beraunite (eleonorite) in Co. Cork, Ireland: by Mr. Arthur Russell.
 3. Euclase and platinum from diamond-washings in British Guiana: by Dr. L. J. Spencer (p. 186).
 4. The anomalous optical properties of freshly-prepared mixed crystals of the Seignette salts: by Mr. H. E. Buckley (p. 159).
 5. Illustration and detection of inclined and horizontal dispersion in biaxial crystals: by Prof. L. R. Wilberforce.
 6. On moravite from North Wales: by Messrs. A. F. Hallimond and F. R. Ennos (p. 193).
 7. On the chemical composition of the Ashdon meteorite: by Dr. G. T. Prior (p. 131).
- Specimens were exhibited by Mr. A. B. Edge.

EXCERPT MINUTES OF COUNCIL MEETING.

*Held in the Apartments of the Geological Society, Burlington House,
London, W., January 15, 1924, at 4.30 p.m.*

Dr. A. E. H. TUTTON, F.R.S., Past-President, in the Chair.

The death of the Rev. Prof. T. G. Bonney, one of the earliest members and a past-president of the Society was announced. It was resolved to send a letter of condolence to his sister.

Dr. Brammall and Dr. Harwood were appointed Auditors of the Accounts for the year ending December 31, 1923.

GENERAL MEETING.

*Held in the Apartments of the Geological Society, Burlington House,
London, W., January 15, 1924, at 5.30 p.m.*

Dr. A. E. H. TUTTON, F.R.S., Past-President, in the Chair.

Twenty-nine Ordinary Members and four Visitors were present.

The following papers were read:—

1. The chemical classification of the mica group: by A. F. Hallimond.
 2. Gold and silver as accessory minerals in the Dartmoor granite: by Dr. A. Brammall and Dr. H. F. Harwood (p. 201).
 3. Topaz from Cornwall, with an account of the localities, old and new, at which it is found: by Mr. Arthur Russell.
- Specimens were exhibited by Dr. Brammall and Mr. Russell.

EXCERPT MINUTES OF COUNCIL MEETING.

*Held in the Apartments of the Geological Society, Burlington House,
London, W., February 19, 1924, at 4.30 p.m.*

Dr. A. E. H. TUTTON, F.R.S., Past-President, in the Chair.

The death of Mr. H. F. Collins was announced, and regret was expressed at the loss of an old member and the son of one of the founders of the Society.

Mr. Robert Murray-Hughes and Mr. Donald Robert Grantham were provisionally elected Ordinary Members of the Society.

The discussion was resumed as to the financial liability of the Society in connexion with the 'Discussion of the physical chemistry of igneous rocks', and it was resolved that no greater liability than £5 should be incurred.

In accordance with bye-law 7 the names of three members were removed from the List of Members.

GENERAL MEETING.

*Held in the Apartments of the Geological Society, Burlington House,
London, W., February 19, 1924, at 5.30 p.m.*

Dr. A. E. H. TUTTON, F.R.S., Past-President, in the Chair.

Sixteen Members and two Visitors were present.

The elections of Messrs. R. Murray-Hughes and D. R. Grantham as Ordinary Members were confirmed.

Mr. F. N. Ashcroft exhibited a large series of mineral specimens from the Tavetschthal, Switzerland, and described with the aid of numerous lantern-slides the mineral localities from which they came.

Mr. E. D. Mountain then read a paper on Calcite crystals from Holywell, North Wales (p. 212).

EXCERPT MINUTES OF COUNCIL MEETING.

*Held in the Apartments of the Geological Society, Burlington House,
London, W., March 18, 1924, at 4.30 p.m.*

Dr. A. E. H. TUTTON, F.R.S., Past-President, in the Chair.

Mr. Arthur Blakeney Coussmaker and Mr. Richard John Charles Fabry were provisionally elected Ordinary Members of the Society.

The audited balance-sheet for the year ending December 31, 1923, submitted by the Treasurer, was approved. It was decided in future balance-sheets to differentiate between cost of printing of the Journal and that of miscellaneous printing (notices of meetings, etc.); between current, advance, and arrear subscriptions; and between cost of distributing the Journal and that of ordinary postage.

GENERAL MEETING.

*Held in the Apartments of the Geological Society, Burlington House,
London, W., March 18, 1924, at 5.30 p.m.*

Dr. A. E. H. TUTTON, F.R.S., Past-President, in the Chair.

Seventeen Members and two Visitors were present.

The elections of Messrs. A. B. Coussmaker and R. J. C. Fabry as Ordinary Members were confirmed.

The following papers were read:—

1. Allopalladium from British Guiana: by Dr. L. J. Spencer (p. 217).
2. On compact chlorite from Bernstein, Burgenland, Austria: by Mr. W. Campbell Smith, with chemical analysis by Dr. G. T. Prior.
3. Chemical analysis of microgranite from Dufton, Westmorland, and of mica from Burma: by Mr. H. C. G. Vincent.

Specimens were exhibited in illustration of the three papers.

MINERALOGICAL SOCIETY.

ABSTRACT OF RECEIPTS AND PAYMENTS FOR THE YEAR ENDING DECEMBER 31, 1923.

RECEIPTS.		PAYMENTS.	
	£ s. d.		£ s. d.
Balance from 1922—Bank	89 8 6	Printing (Magazine Nos. 98-102, Notices of Meetings, &c.)	395 3 10
Office	3 1 3	Illustrations	13 9 3
Subscriptions—(1) current and advance	75 12 0	Postage	25 1 8
(2) arrears	11 11 0	Meetings and other items	5 13 8
Entrance Fees	15 15 0	J. Mugford for care of stock of Publications (1922)	1 1 0
Sale of Publications	147 3 3	Editor's Honorarium (1921, 1922, 1923)	75 0 0
Publication Grant from Roy. Soc (1922 and 1923)	170 0 0	Donation to Conjoint Board Sci. Soc. (1922)	5 0 0
Sale of photographic blocks	18 6	Balance	40 15 4
Interest on Investments	47 0 0		
Deposit Account	14 10		
	£561 4 4		£561 4 4

BALANCE SHEET.

DECEMBER 31, 1923.

LIABILITIES.		ASSETS.	
	£ s. d.		£ s. d.
J. Mugford for care of stock of Publications (1923)	1 1 0	Balance at Bank	38 18 4
Hon. Sec. and J. Mugford for postage (1923)	2 11 2	At Office	1 17 0
Editor for postage, &c. (1923)	1 16 4	Investments:—	
Excess of assets over liabilities	1,125 7 4	£350 5% Nat. War Loan	850 0 0
		£50 5% Nat. War Bonds	52 17 6
		£50 4% Funding Loan	43 10 0
		Sale of Publications	133 3 0
		Arrears of Subscriptions (estimated)	10 10 0
	£1,130 15 10		£1,130 15 10

The stock of publications and the value of the library are not included in the above assets.

(Signed) JOHN W. EVANS,
Hon. Treasurer.

ALFRED BRAMMALL }
HENRY F. HARWOOD }
Auditors.

March 12, 1924.