

PROCEEDINGS  
OF THE  
MINERALOGICAL SOCIETY

EXCERPT MINUTES OF COUNCIL MEETING.

*Held in the Apartments of the Geological Society, Burlington House,  
London, W., June 27, 1922, at 4.30 p.m.*

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

Mr. Daniel John Arkell, Mr. Joseph Cornelius Taylor, and Mr. C. R. K. Pillai were provisionally elected Ordinary Members of the Society.

The deaths of Sir William P. Beale, Past-President and Treasurer, and of Mr. James Morris, an original member, were announced, and the President stated that he had sent a letter of sympathy to Lady Beale on behalf of the Council. He also announced that by the Will of Sir William Beale the sum of £200 is to be given to the Mineralogical Society on the death of Lady Beale.

The following changes in the list of Officers and Council were approved for recommendation to the Members of the Society: Ordinary Members of Council—Sir Jethro Teall, Sir Thomas Holland, Messrs. Hilton, Edge, and Collingridge, in place of five retiring Members of Council, Messrs. Hallimond, Hatch, Howe, Campbell Smith, and Scott.

The following were suggested as dates of the meetings in 1922-3: Tuesdays, November 7 (1922), January 9, March 13, June 19, and November 6 (1923).

The Editor submitted a sample page of a proposed Topographical Index to precede the Alphabetical Index to vol. 19 of the Magazine (including vol. 1 of the Abstracts).

GENERAL MEETING.

*Held in the Apartments of the Geological Society, Burlington House,  
London, W., June 27, 1922, at 5.30 p.m.*

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

Thirty Members and three Visitors were present.

The elections of Messrs. D. J. Arkell, J. C. Taylor, and C. R. K. Pillai were confirmed.

The following papers were read :—

1. The Dartmoor granite, its petrology and accessory minerals: by Mr. A. Brammall and Dr. H. F. Harwood (pp. 20, 27, 39).
2. The structure and composition of the Strathmore meteorite: by Dr. W. F. P. McLintock and Mr. F. R. Ennos (vol. 19, p. 323).
3. On some crystallized sulphates from the province of Huelva, Spain: by Mr. H. F. Collins (p. 32).
4. A note on crystallographic notation: by Prof. H. Hilton (vol. 19, p. 319).
5. Ninth list of new mineral names: by Dr. L. J. Spencer (vol. 19, p. 334).

And the following were taken as read :—

6. The graphical determination of the constants of a shear: by Prof. H. Hilton (p. 65).
  7. Glauconite from Lewes: by Mr. A. F. Hallimond (vol. 19, p. 330).
- Crystals of andesine from the Esterel Mtns. were exhibited by Dr. J. Drugman; and specimens of coquimbite and artificial sulphates and one of the stones of the Strathmore meteorite fall were exhibited in illustration of the papers of Mr. Collins and Dr. McLintock.

#### EXCERPT MINUTES OF COUNCIL MEETING.

*Held in the Apartments of the Geological Society, Burlington House,  
London, W., November 7, 1922, at 4.30 p.m.*

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

Mr. James Broadhead and Mr. George Vaux, Junr., were provisionally elected Ordinary Members of the Society. The resignation of Mr. M. C. Burkitt, and the death of Prof. A. Crum Brown were announced.

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 production of 'Mineralogical Abstracts' was read.

#### GENERAL (ANNIVERSARY) MEETING.

*Held in the Apartments of the Geological Society, Burlington House,  
London, W., November 7, 1922, at 5.30 p.m.*

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

Twenty-seven Members and four Visitors were present.

The Chairman nominated Messrs. Collingridge and Edge to act as scrutineers of the voting-papers for the election of Officers and Council. The scrutineers reported that twenty-eight 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, 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.*

T. V. Barker, M.A., B.Sc., F.C.S.

Prof. C. G. Cullis, D.Sc., F.G.S.

W. A. Richardson, M.Sc., F.G.S.

T. Crook, A.R.C.Sc.I., F.G.S.

J. S. Flett, M.A., LL.D., D.Sc., F.R.S.

W. F. P. McLintock, D.Sc., F.G.S.

G. F. Herbert Smith, M.A., D.Sc.

H. Collingridge, B.Sc., F.G.S.

A. B. Edge, B.Sc., F.C.S.

Prof. H. Hilton, M.A., D.Sc.

Sir T. H. Holland, F.R.S.

Sir J. J. H. Teall, F.R.S.

The elections of Messrs. J. Broadhead and G. Vaux, Junr., 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 1921–22 four ordinary meetings have been held (by kind permission) in the Apartments of the Geological Society, Burlington House, W., at which eighteen papers were read, and a lecture was delivered by Sir William Bragg on his recent X-ray work on the crystal-structure of organic substances.

Four numbers of the Journal (nos. 95–98), containing fourteen papers, have been issued quarterly. The separately-paged appendices of ‘Mineralogical Abstracts’ contained 664 abstracts.

The balance-sheet for the year ending December 31, 1921, showed that the financial position of the Society was satisfactory. The assets (exclusive of the Library and stock of the Journal) amounted to £1,022 6s. 6d., and the liabilities to £86 8s. 9d. The value of the Stock invested in the names of the Trustees of the Society was on that date £870 12s. 6d., corresponding to £17 15s. 4d. 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 death one Honorary Member, Prof. T. Liebisch, and four Ordinary Members, viz. Sir William Phipson Beale, to whose services for many years as Treasurer and more recently as President the Society is much indebted; the Rev. J. M. Gordon, a keen mineral enthusiast and collector; and Prof. A. Crum Brown and Mr. G. Morris, two of the earliest members of the Society: one Ordinary Member has resigned. Fifteen Ordinary

Members have been elected. The total number of members on November 6, 1922, was 161, of whom 12 are Honorary. Of the Ordinary Members 49 are Life-Members.

During the Session Mr. Barlow has represented the Society on the Conjoint Board of Scientific Societies, Dr. Prior on the Federal Council of Pure and Applied Chemistry, and Dr. Spencer and Dr. Herbert Smith on the 'Publications' and 'Miscellaneous' Committees respectively of the Imperial Mineral Resources Bureau.

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

On the motion of Mr. Bull the Report was adopted.

The following papers were then read:—

1. The frequency-distribution of igneous rocks in relation to petrogenic theories: by Mr. W. A. Richardson (p. 1).

2. The connexion between crystal-structure and chemical constitution of some carbon compounds: by Miss I. E. Knaggs.

3. Exhibition of coloured lantern-slides illustrating dimorphous changes: by Miss C. F. Elam.

4. The meteoric iron of Karee Kloof, Cape Province, and the meteoric stone of Leeuwfontein, Pretoria, South Africa: by Dr. G. T. Prior.

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#### EXCERPT MINUTES OF COUNCIL MEETING.

*Held in the Apartments of the Geological Society, Burlington House,  
London, W., January 9, 1923, at 4.30 p.m.*

Sir JETHRO TEALL, F.R.S., in the Chair.

Dr. Oscar Lisle Brady, Mr. Harold Eugene Buckley, Mr. Lazard Cahn, Mr. Gilbert Greenwood, Mr. Gordon Murray Stockley, Mr. Seitarō Tsuboi, and Mr. John Adam Watson were provisionally elected Ordinary Members of the Society. The resignations of Miss M. K. Heslop and Mr. D. F. Campbell were announced.

Messrs. Cullis and Brammall were elected Auditors of the accounts for the year ending December 31, 1922.

The names of three Members whose subscriptions were more than two years in arrear were brought before the Council.

The Editor reported the issue of No. 99 of the Journal completing vol. 19 of the Magazine and vol. 1 of Mineralogical Abstracts; it consists of detailed indexes to these volumes. On the motion of Dr. Tutton, seconded by Mr. Ashcroft, it was decided that the publication of Mineralogical Abstracts be continued; and on the motion of Sir Thomas Holland, seconded by Dr. Evans, that in future 500 instead of 400

copies of each number of the Journal should be printed and that the separate publication apart from the Magazine of Mineralogical Abstracts should cease.

It was resolved to make a donation of £5 for 1922 to the Conjoint Board of Scientific Societies.

### GENERAL MEETING.

*Held in the Apartments of the Geological Society, Burlington House, London, W., January 9, 1923, at 5.30 p.m.*

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

Thirty Members and three Visitors were present.

The elections of Messrs. O. L. Brady, H. E. Buckley, L. Cahn, G. Greenwood, G. M. Stockley, S. Tsuboi, and J. A. Watson, as Ordinary Members were confirmed.

The following papers were read:—

1. The Dartmoor granite: (a) Rutile, brookite, and anatase; (b) Zircon: by Mr. A. Brammall and Dr. H. F. Harwood (pp. 20, 27).
2. A davyne-like mineral and its pseudomorphs from St. John's Island, Egypt: by Dr. L. J. Spencer, with microscopical determinations by Mr. W. Campbell Smith, and chemical analyses by Mr. E. D. Mountain.

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### EXCERPT MINUTES OF COUNCIL MEETING.

*Held in the Apartments of the Geological Society, Burlington House, London, W., March 13, 1923, at 4.30 p.m.*

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

Mr. Cecil Stevenson Garnett, Mr. Irvine George Jardine, Mr. John George Chambré Leech, Mr. Henry Brewer Milner, and Mr. Frank Leslie Stillwell were provisionally elected Ordinary Members of the Society.

The audited balance-sheet for the year ending December 31, 1922, submitted by the Treasurer, was approved.

Letters from the Conjoint Board of Scientific Societies was read, and it was resolved to instruct the representative of the Society on the Board to attend the meeting on March 21 and to vote in favour of the motion for the dissolution of the Board.

## GENERAL MEETING.

*Held in the Apartments of the Geological Society, Burlington House,  
London, W., March 13, 1923, at 5.30 p.m.*

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

Thirty-one Ordinary Members and five Visitors were present.

The elections of Messrs. C. S. Garnett, I. G. Jardine, J. G. C. Leech, H. B. Milner, and F. L. Stillwell as Ordinary Members of the Society were confirmed.

The following papers were read :—

1. A graphical method of correcting specific gravity determinations :  
by Dr. A. Hutchinson.

2. The Dartmoor granite: (a) Porphyritic feldspars and biotite ;  
(b) Andalusite, sillimanite, cordierite, and spinellids: by Mr. A.  
Brammall and Dr. H. F. Harwood (p. 39).

3. Genesis of rhombic pyroxene in thermal metamorphism: by Dr.  
C. E. Tilley.

4. Mineral associations and the phase rule: by Dr. C. E. Tilley.

5. On a peculiar chlorite-rock at Ible, Derbyshire: by Mr. C. S.  
Garnett (p. 60).

6. The dissociation of dolomite: by Mr. C. S. Garnett (p. 54).

7. Some occurrences of titanium minerals on St. Austell Moor: by  
Mr. J. G. C. Leech.

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MINERALOGICAL SOCIETY.

ABSTRACT OF RECEIPTS AND PAYMENTS FOR THE YEAR ENDING DECEMBER 31, 1922.

	RECEIPTS.		PAYMENTS.				
	£	s.	d.	£	s.	d.	
Balance from 1921—Bank	73	11	8	Printing . . . . .	212	18	3
Office	2	14	7	Illustrations . . . . .	10	3	6
Subscriptions—(1) current and advance	71	9	0	Postage . . . . .	14	6	7
(2) arrears . . . . .	22	1	0	Meetings and other items . . . . .	3	2	0
Entrance Fees and Life Compositions . . . . .	26	11	0	Balance . . . . .	92	9	9
Sale of Publications . . . . .	89	12	10				
Interest on Investments . . . . .	47	0	0				
	£333	0	1				
				£333	0	1	

BALANCE SHEET.

DECEMBER 31, 1922.

	LIABILITIES		ASSETS.				
	£	s.	d.	£	s.	d.	
Oxford University Press (Nos. 98 and 99)	185	4	3	Balance at Bank . . . . .	89	8	6
J. Mugford for care of stock of Publications (1922)	1	1	0	At Office . . . . .	3	1	3
Hon. Sec. and J. Mugford for postage (1922)	3	12	10	Investments—			
Editor for postage, &c. (1921 and 1922)	5	9	4	£850 5% Nat. War Loan . . . . .	850	10	7
" Honorarium (1921 and 1922)	50	0	0	£50 5% Nat. War Bonds . . . . .	53	0	0
Donation to Conjoint Board Sci. Soc. . . . .	5	0	0	£50 4% Funding Loan . . . . .	43	0	0
Excess f assets over liabilities . . . . .	1,027	11	2	Sale of Publications . . . . .	143	18	3
				Arrears of Subscriptions (estimated) . . . . .	10	0	0
				Publication Grant from Roy. Soc. (1922) . . . . .	85	0	0
	£1,277	18	7				
				£1,277	18	7	

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 } Auditors.  
C. GILBERT CULLIS }  
March 12, 1923.