

PROCEEDINGS
OF THE
MINERALOGICAL SOCIETY

EXCERPT MINUTES OF COUNCIL MEETING.

*Held in the Apartments of the Geological Society, Burlington House,
London, W., January 17, 1928, at 4.30 p.m.*

Dr. G. T. PRIOR, F.R.S., President, in the Chair.

The deaths of Prof. Paul H. von Groth, an Honorary Member since 1877, and of Mr. George Vaux, junior, were reported.

Mr. Edward de Courcy Clarke and Mr. Gerald Edward Howling were provisionally elected Ordinary Members of the Society.

In the absence of the Foreign Secretary, it was agreed that the President should send letters of congratulation to the Société française de Minéralogie on the occasion of its fiftieth anniversary, and to Prof. Victor Goldschmidt, of Heidelberg, on his seventy-fifth birthday.

The audited accounts and balance-sheet for the year ending December 31, 1927, were presented by the Treasurer and approved.

Resolved that if an annual subscriber is in arrears on December 31 no further issues of the Magazine shall be sent to him until the arrears have been paid.

Resolved that notices of meetings be posted to every member whose address is known, whether at home or abroad.

GENERAL MEETING.

*Held in the Apartments of the Geological Society, Burlington House,
London, W., January 17, 1928, at 5.30 p.m.*

Dr. G. T. PRIOR, F.R.S., President, in the Chair.

Twenty Members and seven Visitors were present.

The elections of Mr. E. de C. Clarke and Mr. G. E. Howling as Ordinary Members of the Society were confirmed.

The following papers were read :—

1. Potarite, a new mineral discovered by the late Sir John Harrison in British Guiana : by Dr. L. J. Spencer (vol. 21, p. 397).

2. A simple and accurate constant-volume pyknometer for specific gravity determinations: by Dr. H. V. Ellsworth (vol. 21, p. 431).

3. The optical orientation of labradorite from County Down (Ireland) determined by the Fedorov method: by Mr. W. Campbell Smith (vol. 21, p. 543).

Mr. A. F. Hallimond exhibited an electro-magnetic separator for mineral powders, and Dr. C. E. Tilley demonstrated the inversion of calcium orthosilicate in a metamorphic limestone from Larne, Co. Antrim.

EXCERPT MINUTES OF COUNCIL MEETING.

Held in the Apartments of the Geological Society, Burlington House, London, W., March 20, 1928, at 4.45 p.m.

Dr. G. T. PRIOR, F.R.S., President, in the Chair.

Mr. Douglas Leinster Scholtz and Mr. Reginald Charles Spiller were provisionally elected Ordinary Members of the Society.

The name of Mr. F. Barbason was removed from the list of members for non-payment of subscriptions.

A letter from Prof. Victor Goldschmidt was read.

GENERAL MEETING.

Held in the Apartments of the Geological Society, Burlington House, London, W., March 20, 1928, at 5.30 p.m.

Dr. G. T. PRIOR, F.R.S., President, in the Chair.

Twenty Members and twelve Visitors were present.

The elections of Mr. D. L. Scholtz and Mr. R. C. Spiller as Ordinary Members of the Society were confirmed.

The following papers were read:—

1. On the atomic volume relations in certain isomorphous series, II: by Mr. A. F. Hallimond (vol. 21, p. 480).

2. The age and composition of the Whin Sill and related dikes of the north of England: by Prof. A. Holmes and Dr. H. F. Harwood (vol. 21, p. 493).

3. The identification of dumortierite in grains; dumortierite in Cornish granite: by Mr. A. W. Groves (vol. 21, p. 489.)

4. On 'bauxite' from Kashmir: by Dr. T. V. M. Rao.

EXCERPT MINUTES OF COUNCIL MEETING.

*Held in the Apartments of the Geological Society, Burlington House,
London, W., June 12, 1928, at 4.30 p.m.*

Dr. G. T. PRIOR, F.R.S., President, in the Chair.

The deaths of Mr. Benedict Kitto, one of the original members of the Society, and of Dr. John Horne, formerly a member, were reported.

Mr. Basil William Anderson, Dr. Fritz Heide, Mr. George William Sneesby, and Miss Jessie May Sweet were provisionally elected Ordinary Members of the Society.

The list of Council Members and Officers for the ensuing year was considered, Sir Thomas Holland, Vice-President, and Prof. P. G. H. Boswell, Mr. T. Crook, Dr. L. Hawkes, and Dr. H. H. Thomas being due to retire by seniority. The following were proposed: Dr. J. W. Evans as Vice-President (and to retain the office of Foreign Secretary); Mr. Harvey Collingridge and Prof. Arthur Holmes, as former Members of the Council, and Colonel N. T. Belaiew and Mr. H. Dewey, as new members.

It was decided to hold meetings in 1929 on the following dates: Tuesdays, January 15, March 19, June 11, November 5.

GENERAL MEETING.

*Held in the Apartments of the Geological Society, Burlington House,
London, W., June 12, 1928, at 5.30 p.m.*

Dr. G. T. PRIOR, F.R.S., President, in the Chair.

Thirty Members and four Visitors were present.

The elections of Mr. B. W. Anderson, Dr. F. Heide, Mr. G. W. Sneesby, and Miss J. M. Sweet as Ordinary Members of the Society were confirmed.

The following papers were read:—

1. Place-names of mineral-localities in central Europe: by Prof. F. Slavík and Dr. L. J. Spencer (vol. 21, p. 441).
2. Eleventh list of new mineral names: by Dr. L. J. Spencer (vol. 21, p. 556).
3. On the atomic volume relations in certain isomorphous series, III: by Mr. A. F. Hallimond (vol. 22, p. 70).

4. On the determination of the optic axial angle and crystal-forms from observations by the Becke method in thin sections : by Mr. H. Collingridge (vol. 21, p. 552).

5. A contribution to the petrology of the Whin Sill : by Mr. S. I. Tomkeieff.

EXCERPT MINUTES OF COUNCIL MEETING¹

*Held in the Apartments of the Geological Society, Burlington House,
London, W., November 6, 1928, at 4 p.m.*

Dr. G. T. PRIOR, F.R.S., President, in the Chair.

Mr. Edward Harold Beard, Mr. George Vibert Douglas, and Mr. Matthew Burnop Hodge were provisionally elected Ordinary Members of the Society.

The resignation of Mr. D. A. MacAlister was accepted.

The Treasurer, in his report, gave an estimate of the balance expected at the end of the year, and he recommended that no application be made to the Royal Society for a publication grant next year.

The Editor reported that the stock of current numbers of the Magazine is now very low, and on his proposal it was decided to print 600 of future numbers, commencing with the first number of vol. 22 in March 1929.

A specimen page set up in new type, submitted by the printer (University Press, Oxford), was approved for the next volume.

The Librarian applied for a grant of £10 for binding periodicals, and authority was given to the Treasurer to transfer this sum from the General Purposes Account to the Library Fund Account on January 1, 1929.

Mr. A. J. Bull and Mr. Henry Dewey were appointed auditors of the accounts for the year ending December 31, 1928.

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

GENERAL (ANNIVERSARY) MEETING.

*Held in the Apartments of the Geological Society, Burlington House,
London, W., November 6, 1928, at 5.30 p.m.*

Dr. G. T. PRIOR, F.R.S., President, in the Chair.

Twenty-four Members and six Visitors were present.

The President nominated Mr. J. Broadhead and Mr. G. E. Howling to act as scrutineers of the voting-papers for the election of Officers

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

President. Dr. G. T. Prior, M.A., D.Sc., F.R.S.

Vice-Presidents. Sir John S. Flett, K.B.E., M.A., LL.D., D.Sc., F.R.S.

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

Treasurer. F. N. Ashcroft, M.A., F.G.S., F.C.S.

General Secretary. W. Campbell Smith, M.C., M.A., F.G.S.

Foreign Secretary. Dr. J. W. Evans, C.B.E., D.Sc., LL.B., F.R.S.

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

Ordinary Members of Council.

Prof. H. L. Bowman, M.A., D.Sc., F.G.S., F.C.S.	Prof. C. G. Cullis, D.Sc., F.G.S.
Prof. W. T. Gordon, M.A., D.Sc., F.R.S.E.	Prof. Harold Hilton, M.A., D.Sc.
Dr. H. F. Harwood, M.Sc., Ph.D., A.I.C.	Dr. W. P. F. McLintock, D.Sc., F.G.S.
Dr. G. F. Herbert Smith, M.A., D.Sc., F.G.S.	Colonel N. T. Belaiew, C.B., F.C.S.
A. J. Bull, M.Sc., F.Inst.P., F.G.S.	Harvey Collingridge, B.Sc., F.G.S.
	Henry Dewey, F.G.S.
	Prof. Arthur Holmes, D.Sc., F.G.S.

The elections of Messrs. E. H. Beard, G. V. Douglas, and M. B. Hodge as Ordinary Members of the Society were confirmed.

A vote of thanks to the Geological Society for the use of their rooms, proposed by Mr. Hopkins and seconded by Mr. Bull was carried.

The General Secretary then read the following

ANNUAL REPORT OF COUNCIL.

During the session 1927-8 four ordinary meetings have been held, by kind permission, in the apartments of the Geological Society, Burlington House, London, W., at which sixteen papers were read. At the meeting on January 17 Mr. A. F. Hallimond exhibited an electro-magnetic separator for mineral powders, and Dr. C. E. Tilley demonstrated an inversion of calcium orthosilicate in a metamorphic limestone.

Four numbers of the Journal of the Society (nos. 119-122) have been issued, containing sixteen papers and 591 abstracts, of which 397 have been supplied by the Editor himself.

[continued on p. xxxvi.]

MINERALOGICAL

ABSTRACT OF RECEIPTS AND PAYMENTS

RECEIPTS.	GENERAL PUR-	
	£	s. d.
By Balance brought forward from 1927—		
1. At Bankers:		
(a) Current Account	18	14 10
(b) Deposit Account	140	0 0
2. In Office	0	3 3
	158	18 1
Annual Subscriptions—		
1. Current year	137	11 0
2. Arrears	1	1 0
3. Advance	6	15 0 ¹
	145	7 0
Entrance Fees		10 10 0
Composition Fees		26 5 0
Sale of Publications—		
1. By Publishers, April 1, 1927–March 31, 1928. Subscription Copies £196, and other sales £128 5s. 6d., less trade discount and com- mission £91 15s. 2d., and postage and pack- ing £11 16s. 1d.	220	14 3
2. By Custodian of Stock, 1928. £8 1s. 0d., less trade discount (nil) and distribution charges 18s. 11d.	7	2 1
	227	16 4
Advertisement Fees £19 8s. 10d., less commission £3 17s. 9d.		15 11 1
Interest on Investments—		
1. £1,530 5% War Loan 1929–47 Inscribed Stock	75	17 6 ²
2. £105 4% Consolidated Loan 1957 Inscribed Stock	4	4 0
3. £50 4% Funding Loan 1960–90 Inscribed Stock	2	0 0
	82	1 6
Deposit Interest		7 2 9
Small Receipts		0 1 6
		£673 13 3

¹ Includes a part payment.² First half-year on £1,505 stock, second half-year on £1,530 stock.

SOCIETY

FOR THE YEAR ENDING DECEMBER 31, 1928

POSES ACCOUNT.

	PAYMENTS.		£	s.	d.	£	s.	d.			
To Printing and distributing the Mineralogical Magazine Nos. 120-123 inclusive (Oxford University Press)—											
1. Printing.			380	17	3						
2. Illustrations				9	18	3					
3. Authors' Copies				24	4	0					
4. Distribution Charges				12	18	0					
5. Extra type (special letters)				12	18	0					
6. Printed postal wrappers (renewal of stock)				1	9	0					
							442	4	6		
Printing and distributing notices of Meetings and other annual miscellaneous printing							16	0	0		
Expenses at Meetings, 1928—											
1. Operator of lantern				1	1	0					
2. Porter				1	0	0					
								2	1	0	
Care of Stock of Publications, 1928 (J. Mugford)							1	1	0		
Editor's Honorarium, 1928							50	0	0		
Stationery							0	16	6		
Postage—											
1. Hon. Secretary				0	9	6					
2. Editor				2	0	0					
3. Hon. Treasurer (not charged)								2	9	6	
									0	1	6
Bank charges and other small items									0	1	6
Investments, purchase of £25 5% War Loan, 1929— 47 Inscribed Stock, commission and stamp							25	18	11	¹	
Balance, December 31, 1928—											
1. At Bankers:											
(a) Current Account				7	11	6					
(b) Deposit Account				125	0	0					
2. In Office				0	8	10					
								133	0	4	
									£673	13	3

Examined and compared with vouchers and found correct.

A. J. BULL
HENRY DEWEY } Auditors.

F. N. ASHCROFT, Hon. Treasurer.

January 7, 1929.

¹ A small portion of the sum received by way of Composition Fees during the year has still to be invested.

LIBRARY FUND

RECEIPTS.	£ s. d.
By Balance brought forward from 1927—	
At Bankers	6 19 0
	<u>£6 19 0</u>

BALANCE

DECEMBER

LIABILITIES.

£ s. d.

Excess of Assets over Liabilities	1986 0 8
	<u>£1986 0 8</u>

ACCOUNT.

	PAYMENTS.	£ s. d.
To Binding of Periodicals		4 13 9
Balance, December 31, 1928—		
At Bankers		2 5 3
		£6 19 0

Examined and compared with vouchers and found correct.

A. J. BULL
HENRY DEWEY } Auditors.

January 7, 1929.

F. N. ASHCROFT, Hon. Treasurer.

SHEET

31, 1928.

	ASSETS.	£ s. d.	£ s. d.
Balances—			
I. General Purposes Account:			
1. At Bankers:			
(a) Current Account		7 11 6	
(b) Deposit Account		125 0 0	
2. In Office		0 8 10	
		133 0 4	
II. Library Fund Account—			
At Bankers			2 5 3
Sale of Publications—			
1. By Publishers, April 1 to Dec. 31, 1928		106 5 1	
2. By custodian, 1928		15 11 6	
		121 16 7	
Investments at Broker's Valuation—			
1. £1,530 5% War Loan Inscribed Stock at 102½		1572 1 6	
2. £50 4% Funding Loan Inscribed Stock at 90		45 0 0	
3. £105 4% Consolidated Loan Inscribed Stock at 87½		91 7 0	
		1708 8 6	
Advertisement Fees			15 5 0
Arrears of Annual Subscriptions, valued at			5 5 0
			£1986 0 8

Neither the value of the Library nor that of the Stock of Publications are included in the above assets.

January 17, 1929.

F. N. ASHCROFT, Hon. Treasurer.

¹ Ex dividend payable February 1, 1929.

The President, Dr. G. T. Prior, has continued to represent the Society on the Federal Council of Pure and Applied Chemistry.

The balance-sheet for the year ending December 31, 1927, showed assets (exclusive of the Library and stock of the publications) £1,961 19s. 7*d.*, with liabilities nil. The value of the stock invested in the names of the Trustees of the Society was on December 31, 1927, £1,657 19s. 6*d.*, equivalent to £32 10s. 2*d.* for each life-member. During the present session the sales of the Society's Journal show a satisfactory increase over those for 1926-7.

Ten new members have been elected, but the Society has lost one of its Honorary Members, Prof. Paul Heinrich von Groth, who died on December 2, 1927, and two Ordinary Members, George Vaux, junior, and Benedict Kitto. The latter, who died on May 13, 1928, was one of the original members of the Society. The name of one member has been removed from the Society's list for non-payment of subscriptions. This left the total membership on October 31 at 208, including eleven Honorary Members. Of the Ordinary Members fifty-two are life-members.

The Society is to be congratulated on the scientific activity of its members and the high standard of its publications.

On the motion of Mr. Hallimond, seconded by Mr. Dewey, the report was adopted.

The following papers were then read:—

1. The so-called 'thermokalite' and the existence of sodium bicarbonate as a mineral: by Mr. F. A. Bannister (p. 53).

2. The piezo-electric effect of diamond: by Dr. W. A. Wooster (p. 65).

A short communication on the structure of brookite was made by Mr. J. D. Bernal and Nora Martin (Mrs. Wooster) and illustrated by lantern slides.

Mr. F. N. Ashcroft exhibited minerals collected recently in Switzerland, together with photographs of the mineral localities.