

PROCEEDINGS
OF THE
MINERALOGICAL SOCIETY
(1939)

EXCERPT MINUTES OF COUNCIL MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London, W., January 26, 1939, at 4 p.m.*

Dr. L. J. SPENCER, F.R.S., President, in the Chair:

Mr. Hugh John Llewellyn Beadnell, Mr. Thomas Deans, and Mr. Richard Grenfell Thomas were proposed and provisionally elected Ordinary Members of the Society.

The resignations of Dr. B. H. Knight and Mr. A. C. D. Pain were received and accepted. It was agreed to remove from the list of members the names of Prof. T. Ito and Mr. R. Murray Hughes for non-payment of subscriptions.

The Treasurer presented the audited accounts and balance sheet for 1938, which were approved.

The Editor presented a report and proposed that the Editorial Committee should consist of the President, the Editor, the General Secretary, and Mr. W. Campbell Smith.

The President designate, Dr. L. J. Spencer, and Mr. Arthur Russell were appointed the Society's delegates to the International Geological Congress of 1940.

GENERAL MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London, W., January 26, 1939, at 5.30 p.m.*

Dr. L. J. SPENCER, F.R.S., President, in the Chair.

Thirty-six Members and three Visitors were present.

The elections of Messrs. H. J. L. Beadnell, T. Deans, and R. G. Thomas as Ordinary Members of the Society were confirmed.

The following exhibits were briefly explained:—

1. A slide-rule designed to facilitate geological calculations (Dr. A. T. J. Dollar).
2. Native silver from Kongsberg, Norway (Dr. H. F. Harwood).
3. A series of Swiss minerals: apatite from Scantschallas, Val Casaccia; axinite from Val Stgira, Val Cristallina; and prehnite from Muotta Nera, Gräubünden (Mr. F. N. Ashcroft).
4. A magnificent cut danburite weighing 138.61 carats (Mr. C. W. Mathews) [M.A. 7-333.]
5. A large crystal of melanterite of recent formation in Mill Close mine, Derbyshire (Prof. W. G. Fearnside).

The following papers were then read:

1. An X-ray examination of some potash-soda-feldspars: by Mr. S. H. Chao, Mr. D. L. Smare, and Dr. W. H. Taylor (vol. 25, p. 338).
2. Some minerals from the leucite-rich rocks of the West Kimberley area, Western Australia: by Dr. R. T. Prider (read by Dr. N. F. M. Henry) (vol. 25, p. 373).
3. The composition of francolite: by Dr. E. B. Sandell, Dr. M. H. Hey, and Dr. D. McConnell (vol. 25, p. 395).
4. An eyepiece micro-planimeter: by Mr. H. B. S. Cooke (communicated and read by Dr. F. C. Phillips) (vol. 25, p. 388).
5. A new occurrence of bavenite: by Dr. G. F. Claringbull (vol. 25, p. 495).
6. The Huckitta meteorite, Central Australia: by Dr. C. T. Madigan, with chemical analyses by Dr. A. R. Alderman (read by Dr. L. J. Spencer) (vol. 25, p. 353).
7. Sapphirine crystals from Blinkwater, Transvaal: by Prof. E. D. Mountain (read by Dr. L. J. Spencer) (vol. 25, p. 277).

EXCERPT MINUTES OF COUNCIL MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London, W., March 9, 1939, at 4 p.m.*

Dr. L. J. SPENCER, F.R.S., President, in the Chair.

The deaths of Prof. G. Cesàro (Honorary Member) on January 20, and of Prof. Henry Louis (senior Ordinary Member) on February 22 were announced.

Mr. Stuart Olof Agrell, Mr. Norman Holgate, and Dr. George Davenport Osborne, were proposed and provisionally elected Ordinary Members of the Society.

Reports were received from the Treasurer and the Editor.

A letter of resignation as from November 1939 from the Honorary Treasurer to the President was read and reluctantly accepted in view of his duties in connexion with the International Geological Congress of 1940.

A letter from the Secretary of the Mineralogical Society of America, reporting that fellows and members of that Society had approved the report of the Committee on Nomenclature, was read, and after some discussion it was agreed to postpone further consideration of the matter until the next meeting.

The President reported that assistance had been given to the Royal Society and the Ministry of Labour in connexion with the Central Register of scientific workers.

Questions relating to reprinting out-of-print numbers of the Magazine and to the position of the Oxford Chair of Mineralogy were raised.

GENERAL MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London, W., March 9, 1939, at 5.30 p.m.*

Dr. L. J. SPENCER, F.R.S., President, in the Chair.

Thirty-nine Members and four Visitors were present.

The elections of Mr. S. O. Agrell, Mr. N. Holgate, and Dr. G. D. Osborne as Ordinary Members of the Society were confirmed.

The following exhibits were briefly explained:—

1. Dr. William Thomson's and other mineral collections of the 18th century (Dr. R. T. Gunther) [M.A. 7-319].

2. Minerals from Mina da Panasqueira, Fundão, Beira Baixa, Portugal (Mr. Arthur Russell and Dr. W. R. Jones).

3. A model showing the morphological relationships in glide-twinning in calcite (Dr. F. C. Phillips).

4. Sections of pebbles from the Lower Greensand specially prepared for examination with a binocular microscope (Dr. A. K. Wells) (vol. 25, p. 479).

5. Mendip minerals (Mr. A. W. G. Kingsbury).

The following papers were then read:—

1. The Wherry mine, Penzance, its history and its mineral production: by Mr. Arthur Russell.

2. On the presentation of chemical analyses of minerals: by Dr. M. H. Hey (vol. 25, p. 402).

3. A note on kaolinite in some 'eenie' coals: by Dr. G. F. Claringbull.
4. Biographical notices of mineralogists recently deceased (seventh series): by Dr. L. J. Spencer (vol. 25, p. 283).

EXCERPT MINUTES OF COUNCIL MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London, W., June 8, 1939, at 4 p.m.*

Dr. L. J. SPENCER, F.R.S., President, in the Chair.

Dr. Robert Crispin Evans and Prof. Adolf Pabst were proposed and provisionally elected Ordinary Members of the Society.

Reports were received from the Treasurer and the Editor. The question of an increase in the number of copies of the Magazine printed was considered, and it was decided not to make any change until the commencement of the next volume. The Treasurer reported on the probable cost of reprinting out-of-print early numbers of the Magazine and of the difficulty in doing this. It was decided that the cost would be prohibitive and the proposal was abandoned.

The joint report of the Committees on Nomenclature of the British and American Societies was further considered, and after considerable discussion the report was agreed to, with certain reservations, and a rider added to the effect that unanimity could not be reached as to certain spellings.

The following dates for meetings in 1940 were approved: Thursdays, January 25, March 7, June 6, and November 7.

The list of Officers and Council for 1939-40 was considered. The following were due to retire: President, Dr. L. J. Spencer; Treasurer, Mr. F. N. Ashcroft; Ordinary Members of Council, Mr. B. W. Anderson, Dr. A. F. Hallimond, Dr. M. H. Hey, and Dr. G. F. Herbert Smith. [Prof. C. G. Cullis tendered his resignation at a later date.] The following were proposed for submission to the Society: as President, Mr. Arthur Russell; as Treasurer, Dr. Malcolm MacGregor; as Ordinary Members of Council, Mr. F. A. Bannister, Dr. S. R. Nockolds, Prof. Harold Simpson, and Mr. S. I. Tomkeieff.

In connexion with suggested changes in the Chair of Mineralogy at Oxford University it was agreed to send a letter to the Vice-Chancellor in support of the claims of mineralogy.

GENERAL MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London, W., June 8, 1939, at 5.30 p.m.*

Dr. L. J. SPENCER, F.R.S., President, in the Chair.

Thirty-four Members and seven Visitors were present.

The elections of Dr. R. C. Evans and Prof. A. Pabst as Ordinary Members of the Society were confirmed.

The following exhibits were briefly explained:—

1. An electromagnetic separator for mineral powders (Dr. R. C. Evans) (vol. 25, p. 474).
2. A selection of minerals from the Johnston-Lavis Vesuvian collection (Dr. Malcolm MacGregor).

The following papers were then read:—

1. New refractometers employing diamond and other minerals: by Mr. B. W. Anderson, Mr. C. J. Payne, and Mr. J. Pike.
2. A new occurrence of korerupinè: by Mr. B. W. Anderson and Mr. C. J. Payne.
3. The 'baddelylite from Alnö'—an error: by Dr. H. von Eckermann (read by Dr. L. J. Spencer) (vol. 25, p. 413).
4. Crystal-structure of a natural nickel-iron alloy: by Prof. E. A. Owen and Mr. B. D. Burns (communicated and read by Dr. L. J. Spencer) (vol. 25, p. 413).

EXCERPT MINUTES OF COUNCIL MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London, W., November 9, 1939, at 2.45 p.m.*

Dr. L. J. SPENCER, F.R.S., President, in the Chair.

The following deaths were announced: Mr. H. H. Bemrose, Dr. Alfred Harker, Prof. W. A. Tarr, Dr. E. S. Simpson, Lady (Agnes) Gibbs, Sir William J. Pope, and Mr. H. M. Platnauer (formerly a member of the Society). The resignation of Prof. T. Ogura was received and accepted.

Mr. Maurice Archambault, Prof. Tom. F. W. Barth, Dr. Cornelius S. Hurlbut, Jr., Prof. Alexander W. Pavlow, and Dr. George Tunell were proposed and provisionally elected Ordinary Members of the Society.

Reports were received from the Treasurer and the Editor.

The General Secretary presented the draft annual report of Council, which was approved.

A letter was read from Dr. Malcolm MacGregor stating that owing to the outbreak of war he would not be able, if elected, to carry out the duties of treasurer. In view of Dr. MacGregor's resignation the Council co-opted Mr. F. N. Ashcroft, who very kindly agreed to continue to serve in that capacity now that the International Geological Congress of 1940 had been postponed.

Dr. H. F. Harwood and Mr. C. F. Davidson were appointed auditors of the Society's accounts.

It was agreed that session cards should be printed as usual, giving dates but omitting the times of meetings. The times of the meeting on January 25, 1940, were fixed at 2 p.m. for the Council meeting and 3 p.m. for the General meeting.

GENERAL (ANNIVERSARY) MEETING

Held in the Apartments of the Geological Society, Burlington House, London, W., November 9, 1939, at 3.30 p.m.

Dr. L. J. SPENCER, F.R.S., President, in the Chair.

Eighteen Members and three Visitors were present.

Dr. M. H. Hey and Mr. A. W. G. Kingsbury were appointed as scrutineers of the voting papers for the election of Officers and Council.

The elections of Mr. M. Archambault, Prof. T. F. W. Barth, Dr. C. S. Hurlbut, Jr., Prof. A. W. Pavlow, and Dr. G. Tunell as Ordinary Members of the Society were confirmed.

The General Secretary then read the following:

ANNUAL REPORT OF COUNCIL FOR 1938-1939

During the session 1938-1939, four ordinary meetings have been held at which 17 exhibits have been shown and 23 papers read. The total attendance at the meetings was 146 members and 17 visitors.

The Society has lost by death seven ordinary members, Mr. H. H. Bemrose, Lady (Agnes) Gibbs, Dr. Alfred Harker, Prof. Henry Louis (senior member), Sir William J. Pope, Dr. E. S. Simpson, and Prof. W. A. Tarr; and one honorary member, Prof. G. Cesàro.

Twelve new members have been elected, four members have resigned, and the names of two others have been removed from the list on account of arrears in subscription. The membership on October 31 was 267, including 7 honorary members.

Four numbers (163-166) of the Mineralogical Magazine have been issued during the year. These contain 23 papers in 367 pages, with 10 plates, and 716 abstracts occupying 200 pages.

The accounts for the year ending December 31, 1938, showed an excess of assets over liabilities of £1466. 4s. 6d. against £1427. 15s. 3d. on December 31, 1937. These assets do not include the periodicals retained when the Society's Library was sold and the stock of unsold publications, nor the securities allocated to the Composition Fees Account. The value of the Securities standing in the names of the Trustees on December 31, 1938, was: General Reserve £1065. 3s. 5d., Composition Fees Account £1003. 18s. 5d., against £1059. 13s. 10d. and £1042. 11s. 2d. respectively on December 31, 1937. One composition fee has been received and invested.

As was only to be expected, a considerable fall has taken place in the value of the Society's investments since the beginning of 1939, owing to the deterioration of the political situation and the subsequent outbreak of war. The Society's main holdings are in 3½ per cent. War Loan, which was quoted at 98 per cent. on December 31, 1938, and at 91½ per cent. on November 8, 1939, and the value of its other securities has also fallen. The receipts from the Society's publishers for sales of the Mineralogical Magazine for the period April 1, 1938—March 31, 1939, at £248. 10s. 4d., were satisfactory, and but few annual subscriptions are still outstanding, the amount due to the Society in respect of subscriptions for the current and previous years being less than £20. The cash at Bankers, in the Post Office Savings Bank, and in hand at the present time amounts to £455. 2s. 6d. Interest and other receipts during the remainder of the current year are expected to bring in about £35 and the expenditure during the remainder of the year is estimated at about £170.

The adoption of the Annual Report, proposed by Dr. G. F. Herbert Smith and seconded by Mr. H. J. L. Beadnell, was carried unanimously.

A vote of thanks to the Geological Society for the use of its rooms was proposed by Dr. A. J. Bull, seconded by Dr. G. Nagelschmidt, and carried with acclamation.

The scrutineers reported that 22 voting papers for the Officers and Council for the ensuing session had been received and that the list nominated by the Council had been approved. The outgoing President declared the following elected:

President. Mr. Arthur Russell, M.B.E.

Vice-Presidents. Prof. C. E. Tilley, B.Sc., Ph.D., F.R.S.

Lt.-Col. W. Campbell Smith, M.C., T.D., M.A., Sc.D.,
F.G.S.

Treasurer. Dr. Malcolm MacGregor, Ph.D., M.Sc., D.I.C., F.G.S.

General Secretary. Dr. G. F. Claringbull, B.Sc., Ph.D., F.G.S.

Foreign Secretary. Sir Thomas H. Holland, K.C.S.I., K.C.I.E., D.Sc.,
LL.D., F.R.S.

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

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MINERALOGICAL

ABSTRACT OF RECEIPTS AND PAYMENTS

	RECEIPTS			GENERAL PUR-		
	£	s.	d.	£	s.	d.
By Balances brought in from 1938—						
1. At Bankers:						
(a) Current Account	19	5	2			
(b) Deposit Account	0	0	0			
2. In Post Office Savings Bank	259	3	1			
3. In Office	0	2	5			
				278	10	8
Entrance Fees				10	10	0
Annual Subscriptions—						
1. Current Year	210	12	5			
2. Arrears	1	5	9			
3. In Advance	1	1	0			
				212	19	2
Sale of Publications—						
1. By Publishers, April 1, 1938—March 31, 1939. Sales at subscription rate £299. 0s. 0d. and other sales £61. 18s. 0d., less trade discount and com- mission £95. 7s. 8d. and distribution charges £17. 0s. 0d.	248	10	4			
2. By Custodian of Stock, 1939, £3. 0s. 0d. less distribution charges 16s. 9d. and cost of back numbers purchased 3s. 9d.	1	19	6			
				250	9	10
Advertisement Fees £30. 4s. 10d. less commission £6. 1s. 0d.				24	3	10
Interest on Investments including Income Tax re- covered—						
1. £693 3½% War Loan, 1952 and after, Inscribed Stock	24	4	1			
2. £105 4% Consolidated Loan 1957, Inscribed Stock	4	4	0			
3. £100 4% Funding Loan, 1960-90, Inscribed Stock	4	0	0			
4. £201 Metropolitan Water Board 3% 'B' Stock Inscribed	6	0	6			
				38	8	7
Deposit Interest—						
1. Bankers	0	10	7			
2. Post Office Savings Bank	8	19	11			
				9	10	6
Small receipts				0	2	8
Transfers from other Accounts—						
From Composition Fees Account, being Interest on Investments				36	4	5
				£860	19	8

SOCIETY

FOR THE YEAR ENDING DECEMBER 30, 1939

POSES ACCOUNT

PAYMENTS		£	s.	d.	£	s.	d.
To Printing and distributing the Mineralogical Magazine							
Nos. 164-167 inclusive (Oxford University Press)—							
1. Printing		359	16	6			
2. Illustrations		47	12	9			
3. Authors' Separate Copies		34	6	6			
4. Distribution Charges		15	2	0			
5. Postal Wrappers (renewal of Stock)		2	5	0			
					459	2	9
Printing and distributing Notices of Meetings and other							
annual miscellaneous printing							
					14	15	0
Miscellaneous Printing &c. (not annual)—							
Treasurer's notices							
					1	0	0
Expenses at Meetings—							
1. Operator of Lantern		2	2	0			
2. Porter		1	0	0			
3. Tea		3	8	6			
					6	10	6
Care of Stock of Publications, J. Mugford, Annual Fee							
Editor's Honorarium							
					50	0	0
Stationery							
					2	6	6
Postage—							
1. Hon. Secretary		1	0	10			
2. Editor (not charged)		0	0	0			
3. Hon. Treasurer (not charged)		0	0	0			
					1	0	10
Bank Charges and other small items							
					0	9	6
Investments: Purchase of £3 3¼% War Loan, 1952 and							
after, Inscribed Stock							
					3	0	0
Balances December 30, 1939—							
1. At Bankers:							
(a) Current Account							
		10	9	9			
(b) Deposit Account							
		20	0	0			
2. In Post Office Savings Bank							
		288	19	11			
3. In Office							
		2	3	11			
					321	13	7

£860 19 8

Examined and compared with Vouchers and found correct.

HENRY F. HARWOOD } Auditors.
C. F. DAVIDSON }
F. N. ASHCROFT, Hon. Treasurer.

January 19, 1940.

		BALANCE	
LIABILITIES		DECEMBER	
		£	s. d.
To Annual Subscriptions received in advance—			
Received in 1939 for 1940		1	1 0
Sundry Creditors		0	0 0

Excess of Assets over Liabilities	1452 9 1
	<u>£1453 10 1</u>

COMPOSITION FEES ACCOUNT

RECEIPTS		£	s. d.	£	s. d.
Composition Fees received and Income invested in 1937					
as per last account		1181	9 6		
Composition Fee received during year		15	15 0		
				1197	4 6
Income on Investments including Income Tax recovered—					
1. £992 3¼% War Loan 1952 and after, Inscribed Stock		34	8 5		
2. £26 3% Conversion Loan 1948–53, Inscribed Stock		0	15 6		
3. £26. 14s. 0d. Metropolitan Water Board 3% 'B' Stock, Inscribed		0	16 0		
				35	19 11

SHEET

30, 1939	ASSETS	£ s. d.	£ s. d.
By Balances—			
1. At Bankers:			
(a) Current Account		10 9 9	
(b) Deposit Account		20 0 0	
2. In Post Office Savings Bank		288 19 11	
3. In Office		2 3 11	
Sundry Debtors—			321 13 7
1. Publishers (Oxford University Press):			
(a) For Sale of Publications, April 1–December 30, 1939		57 15 8	
(b) For Advertisement Fees, April 1–December 30, 1939		14 15 6	
(c) Overpayment in respect of No. 167 of the Mineralogical Magazine		0 2 3	
2. For Sales by Custodian of Stock		20 0 0	
Investments at Brokers' Valuation—			92 13 5
1. £693 3¼% War Loan 1952 and after, Inscribed Stock at 93¼%		647 19 1	
2. £105 4% Consolidated Loan 1957, Inscribed Stock at 103¼%		108 8 3	
3. £100 4% Funding Loan 1960–90, Inscribed Stock at 106¾%		106 17 6	
4. £201 Metropolitan Water Board 3% 'B' Stock, Inscribed at 81¼%		163 6 3	
			1026 11 1
Entrance Fees in Arrear			5 5 0
Annual Subscriptions in Arrear (£17. 4s. 7d.) estimated to realize			7 7 0
			<u>£1453 10 1</u>

Note.—The value of the periodicals retained after the disposal of the Library, that of the unsold Stock of Publications, and the Securities allocated to the Composition Fees Account are not included in the above assets.

February 7, 1940.

F. N. ASHCROFT, Hon. Treasurer.

YEAR ENDING DECEMBER 30, 1939

	PAYMENTS	£ s. d.	£ s. d.
Investments as per last account—			
1. £975 3¼% War Loan 1952 and after, Inscribed Stock, valued by Brokers at £911 12s. 6d. (93¼%) at cost		1128 15 0	
2. £26 3% Conversion Loan 1948–53, Inscribed Stock, valued by Brokers at £25 8s. 4d. (97¼%) at cost		26 9 6	
3. £26. 14s. 0d. Metropolitan Water Board 3% 'B' Stock, Inscribed, valued by Brokers at £21. 13s. 11d. (81¼%) at cost		26 5 0	
			1181 9 6
Investment made during the year, being Composition Fee received less income invested in 1937. Purchase of £17. 0s. 0d. 3¼% War Loan 1952 and after, Inscribed Stock, valued by Brokers at £15. 17s. 11d. (93¼%) at cost			15 10 6
Income transferred to General Purposes Account			36 4 5
			<u>£1233 4 5</u>

Examined and compared with Vouchers and found correct.

HENRY F. HARWOOD } Auditors.
C. F. DAVIDSON }
F. N. ASHCROFT, Hon. Treasurer.

January 19, 1940.

Ordinary Members of Council

Dr. G. F. Herbert Smith, M.A., D.Sc., F.R.A.S.	G. E. Howling, B.Sc.
Dr. F. C. Phillips, M.A., Ph.D., F.G.S.	Dr. W. F. P. McLintock, D.Sc., F.R.S.E., F.G.S.
Sir Lewis L. Fermor, O.B.E., D.Sc., F.R.S.	Dr. J. Phemister, M.A., D.Sc., F.R.S.E., F.G.S.
Prof. H. L. Bowman, M.A., D.Sc., F.G.S.	F. A. Bannister, M.A.
Dr. H. F. Harwood, M.Sc., Ph.D., F.I.C.	Dr. S. R. Nockolds, B.Sc., Ph.D., F.G.S.
	Prof. Harold Simpson, M.A., D.Sc.
	S. I. Tomkeieff, M.Sc., F.G.S.

The Secretary read a letter of resignation from Dr. Malcolm MacGregor, and the President announced that the Council had co-opted Mr. F. N. Ashcroft to act as Treasurer.

The retiring President in a few words appreciative of Mr. Arthur Russell's work welcomed him to the chair. Mr. Russell, after thanking the Members for the honour done to him by his election to the Presidency, proposed a vote of thanks to the retiring President. This was seconded by Sir Lewis Fermor and carried.

The new President exhibited specimens of garnet, wollastonite, kyanite, zircon, and magnetite which he had recently collected in Co. Donegal.

The following papers were then read:—

1. Crystallography of aramayoite: by Dr. Harry Berman and Mr. C. W. Wolfe (read by Dr. K. Lonsdale) (vol. 25, p. 466).
 2. Tektites and silica-glass: by Dr. L. J. Spencer (vol. 25, p. 425).
 3. Some australite structures and their origin: by Mr. George Baker (communicated by Dr. F. L. Stillwell and read by Dr. L. J. Spencer) (vol. 25, p. 487).
 4. The Boxhole meteoritic iron, Central Australia: by Dr. C. T. Madigan, with chemical analysis by Dr. A. R. Alderman (read by Dr. L. J. Spencer) (vol. 25, p. 481).
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