

## EXCERPT MINUTES OF COUNCIL MEETING.

*Held in the Apartments of the Geological Society, November 11, 1913,  
at 5 p.m.*

DR. A. E. H. TUTTON, M.A., F.R.S., President, in the Chair.

The Rev. Dr. John Pearce Way and Prof. Richard Percival Devereux Graham were provisionally elected Ordinary Members of the Society.

The following were selected as the dates of meeting for the year 1914 : Tuesdays, January 27, March 17, June 16, and November 10, the last to be the Anniversary Meeting.

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

A vote of thanks was passed to Dr. G. F. Herbert Smith for sending notices of the meetings of the Society to 'Nature', 'The Geological Magazine', 'The Mining Journal', and 'Centralblatt für Mineralogie'.

A proposed exchange of publications with the Liverpool Geological Society was accepted.

## ANNIVERSARY MEETING.

*Held in the Apartments of the Geological Society, November 11, 1913,  
at 5.30 p.m.*

DR. A. E. H. TUTTON, M.A., F.R.S., President, in the Chair.

Thirty members and two Visitors were present.

The elections of the Rev. Dr. J. P. Way and Prof. R. P. D. Graham to the Ordinary Membership were confirmed.

The scrutineers reported that forty-six voting-papers had been returned, and that the list as nominated by the Council was approved, namely :

*President.* A. E. H. Tutton, M.A., D.Sc., F.R.S.

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

A. Hutchinson, M.A., Ph.D., F.G.S.

*Treasurer.* Sir William P. Beale, Bart., K.C., M.P., F.G.S., F.C.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., F.G.S.

*Ordinary Members of Council.*

W. Barlow, F.R.S.	Sir Thomas H. Holland, K.C.I.E., D.Sc., F.R.S.
F. H. Butler, M.A., A.R.S.M., L.S.A. (Lond.)	B. Kitto, F.I.C., F.G.S.
T. Crook, A.R.C.Sc.I., F.G.S.	Prof. A. Liversidge, M.A., LL.D., F.R.S.
J. P. De Castro, M.A., F.I.C., F.C.S.	Arthur Russell.
F. N. A. Fleischmann, M.A., F.C.S.	G. F. Herbert Smith, M.A., D.Sc., F.G.S.
Prof. H. Hilton, M.A., D.Sc.	
J. J. Harris Teall, M.A., LL.D., D.Sc., F.R.S.	

The following ANNUAL REPORT OF COUNCIL was read:—

During the Session 1912-13 four meetings have been held (by kind permission) in the Apartments of the Geological Society, Burlington House, W., at which seventeen papers were read. At the June meeting Mr. W. L. Bragg exhibited and described lantern-slides illustrating crystal-structure as revealed by Röntgen radiation. Two numbers of the *Journal*, viz. No. 76 published in December and No. 77 in July, have been issued. These contain sixteen papers and a sixth list of new mineral names compiled by Mr. Spencer, together with notes and reviews. The cost of one of the two plates illustrating the paper on the El Nakhla meteorite by Dr. Prior in No. 76 was defrayed by the author; and the block for the text-figures in the paper 'On the temperature of optical uniaxiality in gypsum' by Messrs. Hutchinson and Tutton was lent by Mr. Hutchinson.

The balance-sheet of the year ending December 31, 1912, shows that the financial position of the Society continues to be satisfactory. The assets (exclusive of the Library and stock of the *Journal*) amounted to £851 19s. 2d., and the liabilities to £16 7s. 3d. The value of the stock invested in the names of the Trustees of the Society was on that date £738 14s. 0d., corresponding to £13 13s. 7d. for each Life-Member.

During the Session 1912-13 the Society has lost by death one Honorary Member, Dr. K. J. V. Steenstrup. Two Honorary Members (Prof. F. Wallerant and Prof. F. W. Clarke) and eight Ordinary Members have been elected. The total number of members on November 10, 1913, was 143, of whom eighteen are Honorary. Of the Ordinary Members fifty-four have compounded for their annual subscription.

At the International Geological Congress held at Toronto, Prof. H. L. Bowman acted as a delegate to represent the Society.

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

On the motion of Mr. Campbell Smith, seconded by Dr. Drugman, the Report was adopted.

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

The dates of meeting for 1914, proposed by the Council, were approved.

The following papers were then read :—

1. A crystalline basic copper phosphate from Rhodesia : by Dr. A. Hutchinson and Mr. A. M. Macgregor.

2. On the meteoric stone of Wittekrantz, South Africa : by Dr. G. T. Prior (p. 28).

3. On the remarkable similarity in chemical and mineral composition of chondritic meteoric stones : by Dr. G. T. Prior (p. 33).

4. Notes on the minerals occurring in the neighbourhood of Meldon, near Okehampton, Devonshire : by Mr. Arthur Russell.

5. On a calcium-iron-garnet from China : by Mr. J. B. Scrivenor (p. 51).

Specimens of minerals from Meldon, Devonshire, were exhibited by Mr. A. Russell and by Mr. F. P. Mennell ; and a specimen of orbicular granite from Co. Donegal was shown by Mr. F. N. A. Fleischmann.

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#### EXCERPT MINUTES OF COUNCIL MEETING.

*Held in the Apartments of the Geological Society, January 27, 1914,  
at 5 p.m.*

DR. A. E. H. TUTTON, F.R.S., President, in the Chair.

Messrs. Arthur William Rogers, Alexander Scott, and Arthur Edward Victor Zealley were provisionally elected Ordinary Members of the Society.

Messrs. J. P. De Castro and W. Campbell Smith were elected Auditors of the Accounts for the year ending December 31, 1913.

Proposed exchanges of publications with the University of Hong-kong, and the Transylvanian National Museum were accepted.

A proposal made by Sir Thomas Holland that abstracts of the papers to be read should be issued with the notices of meetings was discussed.

#### GENERAL MEETING.

*Held in the Apartments of the Geological Society, January 27, 1914,  
at 5.30 p.m.*

DR. A. E. H. TUTTON, F.R.S., President, in the Chair.

Thirty Members and five Visitors were present.

The elections of Messrs. A. W. Rogers, A. Scott, and A. E. V. Zealley to the Ordinary Membership of the Society were confirmed.

The following papers were read :—

1. The genetic classification of rocks and ore deposits: by Mr. T. Crook (p. 55).
2. An apparatus for grinding crystal-plates and prisms: by Messrs. H. H. Thomas and W. Campbell Smith (p. 86).
3. Uniaxial Augite from Mull: by Mr. A. F. Hallimond (p. 97).
4. Lawsonite from the central Coast Ranges of California: by Prof. A. F. Rogers.

Specimens of spherulitic felsite from the Esterel Mountains, France, were exhibited by Dr. J. Drugman.

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#### EXCERPT MINUTES OF COUNCIL MEETING.

*Held in the Apartments of the Geological Society, March 17, 1914,  
at 5 p.m.*

DR. A. E. H. TUTTON, M.A., F.R.S., President, in the Chair.

The audited Balance-sheet for the year ending December 31, 1913, was approved, and instructions were given for it to be inserted in the Minutes and to be published in the next issue of the Journal.

Resolved to give a donation of £5 towards the expenses of publication of the International Annual Tables of Constants.

Mr. Arthur Holmes was provisionally elected an Ordinary Member of the Society.

The deaths of Prof. H. Rosenbusch, Honorary Member, and Mr. C. R. Lindsey, Ordinary Member, were announced, and the Foreign Secretary was requested to send a letter of condolence to the widow of Prof. Rosenbusch.

A letter was read from the President of the Sixth International Congress of Mining, Metallurgy, Engineering, and Practical Geology inviting the Society to take part officially in the proceedings to be held in London on 12-17 July, 1915.

#### GENERAL MEETING.

*Held in the Apartments of the Geological Society, March 17, 1914,  
at 5.30 p.m.*

DR. A. E. H. TUTTON, M.A., F.R.S., President, in the Chair.

Twenty-two Members were present.

The election of Mr. A. Holmes as an Ordinary Member of the Society was confirmed.

The following papers were read :—

1. On an occurrence of Bornite nodules in shale from Mashonaland: by Mr. F. P. Mennell (p. 111).
  2. Augite from Bail Hill, Dumfriesshire : by Mr. A. Scott (p. 100).
  3. On a sulpharsenite of lead from the Binnenthal : by Dr. G. T. Prior.
  4. On Gmelinite and Chabazite from Co. Antrim : by Dr. G. T. Prior.
- Specimens of Heulandite and Prehnite from Wales were exhibited by Mr. Arthur Russell.
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## MINERALOGICAL SOCIETY.

## ABSTRACT OF RECEIPTS AND PAYMENTS FROM JANUARY 1 TO DECEMBER 31, 1913.

RECEIPTS.		PAYMENTS.	
£	s. d.	£	s. d.
Balance from 1912	60 6 3	Printing Magazine (No. 76)	17 8 8
Subscriptions—(1) current	57 14 0	Authors' copies	4 8 6
(2) arrears	6 6 0	Illustrations	4 12 6
(3) advances	3 3 0	Printing Magazine (No. 77)	31 11 8
Entrance fees and compositions	10 10 0	Authors' copies	4 19 0
Sale of publications—		Illustrations	4 2 0
By Publishers	40 0 10	Miscellaneous Printing—	
By G. Savigar	2 0 11	Editor's Honorarium (1912)	
Dividends on Investments	42 1 9	G. Savigar for care of stock of Publications (1912)	
	24 1 2	Porter's Fee at meetings (1912)	1 1 0
		R. Jones, manipulating lantern	1 0 0
		Postage and Parcels—	2 6
		Magazine	4 12 8
		Charge for 500 wrappers	14 0
		G. Savigar (1912)	8 8
		Hon. Secretary (1912)	8 9
		Hon. Treasurer (1912)	7 7
		Investments—	
		Dividends	23 15 2
		Life Compositions, etc.	35 0 0
		Brokers' fees on above	6 0
		Bank Charges	51 3 5
		Balance at Bank	4 4
		" in Office	
			51 7 9
			£204 2 2

(Signed) J. PAUL DE CASTRO } Auditors.  
W. CAMPBELL SMITH }

Examined and compared with the vouchers, and found correct.  
5 February, 1914.

BALANCE SHEET.

DECEMBER 31, 1913.

LIABILITIES.		ASSETS.	
	£ s. d.		£ s. d.
Owing for Editor's Honorarium (1913) . . . . .	10 10 0	Balance at Bank . . . . .	51 8 5
G. Savigar for care of stock of Publications (1913) . . . . .	1 1 0	"    in Office . . . . .	4 4
Do. for postage (1913) . . . . .	14 6	Consols (£1078 4s. 3d., valued at £71) . . . . .	51 7 9
Hon. Secretary for postage (1913) . . . . .	6 0	Sale of Publications (1913)—	765 10 0
Do., fee paid for lantern . . . . .	10 0	Owing from Publishers . . . . .	55 16 7
Hon. Treasurer for postage (1913) . . . . .	7 7	"    G. Savigar . . . . .	10 10
Excess of assets over liabilities . . . . .	875 11 1	Arrears of Subscriptions valued at . . . . .	56 7 5
	<hr/>		15 15 0
	<u>£889 0 2</u>		<u>£889 0 2</u>

The amount owing for No. 78 of the Magazine is not included in the above liabilities, the amount not being yet received.  
The number of Life Members on December 31 was fifty-four.

The stock of Publications and the value of the Library are not included in the above assets. (Signed) W. P. BEALE,  
Hon. Treasurer,  
Feby. 1914.