

## EXCERPT MINUTES OF COUNCIL MEETING.

*Held in the Apartments of the Geological Society, November 15, 1904.*

DR. HUGO MÜLLER, F.R.S., President, in the Chair.

The death of Dr. Henry P. Gurney, Ordinary Member of the Society, was announced.

The following Candidates were elected Ordinary Members of the Society:—Mr. Thomas Vipond Barker, B.A., and Mr. John Woodgate, M.I.M.M.

## ANNIVERSARY MEETING.

*Held in the Apartments of the Geological Society, November 15, 1904.*

DR. HUGO MÜLLER, F.R.S., President, in the Chair.

Twenty-two Members were present.

The elections of Mr. T. V. Barker and Mr. J. Woodgate to the Ordinary Membership of the Society were confirmed.

The scrutineers reported that thirty-eight voting papers for the election of Officers and Council had been returned to the General Secretary, and that the List as nominated by the Council was approved, namely:—

*President.* Prof. H. A. MIERS, M.A., D.Sc., F.R.S.

*Vice-Presidents.* Prof. W. J. LEWIS, M.A., F.C.S.

Prof. G. D. LIVEING, M.A., D.Sc., F.R.S.

*Treasurer.* W. PHIPSON BEALE, Esq., K.C., F.G.S., F.C.S.

*General Secretary.* L. FLETCHER, Esq., M.A., F.R.S.

*Foreign Secretary.* Prof. J. W. JUDD, C.B., LL.D., F.R.S.

*Editor of the Journal.* L. J. SPENCER, Esq., M.A., F.G.S.

*Ordinary Members of the Council.*

G. F. HERBERT SMITH, Esq., M.A., F.G.S.	C. G. CULLIS, Esq., D.Sc., F.G.S.
A. HARKER, Esq., M.A., F.R.S.	R. H. SOLLY, Esq., M.A., F.G.S.
W. POLLARD, Esq., M.A., D.Sc., F.G.S.	J. W. EVANS, Esq., LL.B., D.Sc., F.G.S.
G. T. PRIOR, Esq., M.A., F.G.S.	The Rev. J. M. GORDON, F.G.S.
H. L. BOWMAN, Esq., M.A., F.C.S.	J. A. HOWE, Esq., B.Sc., F.G.S.
H. F. COLLINS, Esq., A.R.S.M.	A. HUTCHINSON, Esq., M.A., Ph.D., F.G.S.

The following ANNUAL REPORT OF COUNCIL was read :—

The Balance Sheet for the year ending December 31, 1903, which has already been published in No. 63 of the Journal, shows that the Assets of the Society (exclusive of the Library and the Stock of the Journal) amounted to £625 10s. 6*d.*, and that the Liabilities amounted to £69 0s. 9*d.*

The number of Life-Members on December 31, 1903, was fifty-two; the value of the Stock invested in the names of the Trustees of the Society was on that date £547 9s. 10*d.*, corresponding to £10 10s. 7*d.* for each Life-Member.

During the Session 1903-4 the Society has lost by death five Ordinary Members (Mr. Dickson, Professor Le Neve Foster, Dr. Gurney, General McMahon, and Mr. Rutley) and two by resignation (Mr. Adcock and Mr. Rich); one Honorary Member (Professor Fouqué) has died. On the other hand, three Ordinary Members (Mr. Campbell, Mr. Grabham, and Mr. Rastall) were elected at the last Anniversary Meeting, and Professor Penfield has since been added to the list of Honorary Members.

The total number of Members (on November 14, 1904) is 122; of these nineteen are Honorary, and 103 Ordinary Members; of the latter fifty are Life-Members, and fifty-three are Annual Subscribers.

Four Meetings have been held during the year, all in London and (by kind permission) in the Apartments of the Geological Society, Burlington House, London, W.

Two Numbers of the Journal, Nos. 62 and 63, published respectively in December, 1903, and October, 1904, have been issued; the former concludes Volume XIII, and has been provided with an index by Mr. Spencer; with the latter is a new List of Members (corresponding to September, 1904) and a reprint of the Bye-Laws as amended at the Anniversary Meeting of 1902. For the abstracts the Society is indebted to Mr. Spencer and Mr. Hutchinson.

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

On the motion of the President, seconded by Dr. Scott, the Report was adopted. A vote of thanks to the Geological Society for the permission to meet in its Apartments was carried with acclamation.

The newly-elected President, Professor Miers, having taken the Chair, the following papers were read :—

1. On some new forms of quartz-wedge and their uses: by Dr. J. W. Evans (p. 87).

2. On an improved form of refractometer: by Mr. G. F. Herbert Smith (p. 83).

3. On the discovery of Bertrandite in Cornwall: by Mr. H. L. Bowman.

4. On Marrite, Lengenbachite, and Bowmanite, three new minerals from the Binnenthal: by Mr. R. H. Solly (p. 76).

5. On some curious crystals of Blende: by Mr. R. H. Solly (p. 81).

6. Note on some new localities for Gyrolite and Tobermorite: by Mr. James Currie (p. 93).

7. Note on the occurrence of Brookite in the Cleveland ironstone: by Mr. C. R. Lindsey (p. 96).

8. The construction of crystallographic projections: by Mr. Harold Hilton (communicated by Professor Miers) (p. 99).

9. Some applications of the gnomonic projection to crystallography: by Mr. Harold Hilton (communicated by Professor Miers) (p. 104).

In addition to specimens illustrative of the papers, Mr. Arthur Russell exhibited a large specimen of 'babel-quartz' which he had found at Great Work mine, Breage, Cornwall.

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#### EXCERPT MINUTES OF COUNCIL MEETING.

*Held in the Apartments of the Geological Society, January 31, 1905.*

PROFESSOR H. A. MIERS, D.Sc., F.R.S., President, in the Chair.

Dr. Wilbert Goodchild was elected an Ordinary Member of the Society.

Mr. H. F. Collins and Mr. B. Kitto were appointed to audit the accounts of the Society.

#### GENERAL MEETING.

*Held in the Apartments of the Geological Society, January 31, 1905.*

PROFESSOR H. A. MIERS, D.Sc., F.R.S., President, in the Chair.

Twenty-two Members and four Visitors were present.

The election of Dr. Wilbert Goodchild to the Ordinary Membership of the Society was confirmed.

The following papers were read:—

1. On Danalite from Cornwall: by Professor H. A. Miers.

2. Crystallographic characters of barium-radium bromide: by Professor H. A. Miers.

3. On an Epidote from Inverness-shire: by Mr. H. H. Thomas (p. 109).
4. On the regular growth of crystals of one substance upon those of another: by Mr. T. V. Barker.
5. Apparatus for determining the density of small grains: by Mr. K. A. K. Hallows (communicated by Dr. J. W. Evans).

In addition to specimens illustrative of the papers, Mr. Arthur Russell exhibited a specimen of phenakite and one of aurichalcite from Cornish localities, and Mr. H. F. Collins specimens of sulphide of lead and oxide of zinc, artificially produced at Laurium.

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#### EXCERPT MINUTES OF COUNCIL MEETING.

*Held in the Apartments of the Geological Society, March 15, 1905.*

PROFESSOR H. A. MIERS, D.Sc., F.R.S., President, in the Chair.

The Secretary reported that Mr. L. J. Spencer had sent in to the Central Bureau of the International Catalogue of Scientific Literature 451 slips relative to titles of mineralogical and crystallographical papers published in the United Kingdom during the year 1904.

The Editorial Committee appointed on March 25, 1902, was re-appointed, Professor Miers and Dr. Müller interchanging places.

#### GENERAL MEETING.

*Held in the Apartments of the Geological Society, March 15, 1905.*

PROFESSOR H. A. MIERS, D.Sc., F.R.S., President, in the Chair.

Twenty-two Members and one Visitor were present.

The following papers were read:—

1. Description of the big Diamond recently found at the Premier Mine, Transvaal: by Dr. F. H. Hatch and Dr. G. S. Constopphine (communicated by the President).
2. On some new mineral localities in Cornwall and Devon: by Mr. Arthur Russell.
3. On a crystal of Phenakite from German East Africa: by Mr. L. J. Spencer.
4. Notes on various minerals from the Binnenthal, Switzerland: by Mr. G. T. Prior and Mr. G. F. Herbert Smith.

5. On a new oxychloride of copper from Sierra Gorda, Chili: by the same.

6. On Dundasite from Wales: by Mr. G. T. Prior.

Dr. Hatch exhibited a model and lantern-slides in illustration of his paper, and the President exhibited lantern-slides relating to the Premier and Kimberley Diamond Mines.

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