

EXCERPT MINUTES OF COUNCIL MEETING.

Held in the Apartments of the Geological Society, June 14th, 1892.

PROF. STORY-MASKELYNE, F.R.S., President, in the Chair.

Resolved that there is no general objection to the election of ladies to the Membership of the Society.

Resolved to nominate Prof. Judd, Prof. Church, Prof. Le Neve Foster and Mr. Miers as candidates for the Council, in place of the retiring Members, Prof. Green, Prof. Lewis, Mr. Dudgeon and Mr. Harker.

 GENERAL MEETING.

Held in the Apartments of the Geological Society, June 14th, 1892.

PROF. STORY-MASKELYNE, F.R.S., President, in the Chair.

Fifteen Members and one visitor were present.

The following papers were read:—

1. Note on the rare development of a crystal of tourmaline from Ceylon: by Prof. Lewis. (Page 142.)

2. On pilolite from Devon and Mexico: and on a new copper silicate from Egypt: by Mr. Prior.

3. On a peculiar occurrence of Galena: by Mr. J. S. Thomson. (Page 143.)

4. Description of a new mineral, Geikielite: by Mr. Allan Dick. (Communicated by Mr. Teall.) (Page 145.)

5. Notes on various museums of Scandinavia, Russia and Germany: by Mr. Miers.

Specimens in illustration of the papers of Mr. Prior, Mr. Thomson and Mr. Dick were exhibited.

 EXCERPT MINUTES OF COUNCIL MEETING.

Held in the Apartments of the Geological Society, October 25th, 1892.

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

The resignation of Mr. J. H. Hampton, Ordinary Member, was announced.

The following dates of Meeting were approved for the year 1893:— January 17, April 18, June 13, October 24; the latter to be the Anniversary Meeting.

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

ANNIVERSARY MEETING.

Held in the Apartments of the Geological Society, October 25th, 1892.

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

Sixteen Members and two visitors were present.

The following Report of Council for the Session 1891-2 was read and approved : —

REPORT.

The Balance Sheet for the year ending December 31st, 1891, which was issued with Number 45 of the Journal, showed that the state of finances was not unsatisfactory : the Assets (exclusive of the Stock of the Journal and Library) amounting to £201 2s. 9d. in excess of the Liabilities. In this connection it may be mentioned that the number of Members who had compounded before December 31st, 1891, for their Annual Subscription was 31.

During the session 1891-2, two Ordinary Members have been elected and one Ordinary Member has resigned. Four meetings have been held, all in London, and (by kind permission) in the Apartments of the Geological Society, Burlington House.

Two Numbers of the Journal (44 and 45) have been issued since the last Anniversary Meeting. Of these No. 44 was of unusual extent : it comprised a paper by Mr. Rutley giving the results of a very prolonged study of the forms of crystallites ; a paper by Professor Grenville Cole calling attention to the way in which devitrification of a cracked obsidian may simulate in its results an axiolitic growth : a description of an aluminous serpentine from Kynance Cove by Mr. Fox : a notice of the

occurrence of sapphire in Scotland, and an account of the optical properties of gyrolite, both by Professor Heddle : a note on an occurrence of melanterite by Dr. Irving ; and descriptions of tysonite, bastnäsite, meteoric iron, anatase and sapphire by Mr. Kunz. The greater part of the Number is occupied by the Secretary's paper on the Transmission of Light in Crystals, a subject which only comes within our province by reason of the fusion of the Mineralogical and Crystallogical Societies, and at first sight would seem beyond the proper limits of the *Mineralogical Magazine*. The paper attempts to provide a new mode of treatment of the optical problems presented by crystals : the method at present in use is based on mechanical assumptions, the truth of which has never been generally accepted, and the incorrectness of which is now fully established : if the optical elasticity of crystals is really the same for all directions, as according to the latest version of the elastic theory is the case, it is clearly unsatisfactory to continue a mode of treatment of double refraction which is based on variation of elasticity with direction. Whether or not this paper affords a satisfactory solution of the difficulty is another matter, and the question must be decided by the practical experience of the teachers of the subject. We may add that the author defrayed the cost of illustration of the paper, and did not receive the usual grant of separate copies.

Number 45 was largely occupied by the index to the Mineralogical and Petrographical Papers of 1888, the result of much patient labour on the part of Mr. Miers and Mr. Prior, to whom the hearty thanks of the Society are due : the same Number contained a paper by Mr. Solly, descriptive of the minerals from the apatite-bearing veins on the south-east coast of Norway, and a note on their occurrence by Mr. A. L. Collins : the results of an examination of the pinites of Breage by Mr. J. H. Collins : mineralogical notes from Torreón in Mexico by Mr. H. F. Collins : the announcement of the occurrence of gigantic crystals of danalite in Cornwall by Mr. Miers and Mr. Prior : the first description of the optical characters of orpiment by Mr. Miers ; notes on crystals of manganite by Mr. Rutley ; and on Shetland aragonite by Mr. J. S. Thomson.

On the motion of the Chairman, seconded by Mr. Miers, the Report of Council was adopted.

The Scrutineers reported that 39 voting papers had been returned, and that the following list of Officers and Council were unanimously approved:—

President. PROF. STORY-MASKELYNE, M.A., F.R.S.

Vice-Presidents. REV. PROF. S. HAUGHTON, M.D., F.R.S.
DR. HUGO MÜLLER, Ph.D., F.R.S.

Treasurer. MR. F. W. RUDLER, F.G.S.

General Secretary. MR. J. FLETCHER, M.A., F.R.S.

Foreign Secretary. MR. T. DAVIES, F.G.S.

Ordinary Members

of Council. PROF. GRENVILLE COLE, F.G.S.
MR. T. W. DANBY, M.A., F.G.S.
MR. JOHN HORNE, F.R.S.E., F.G.S.
MR. FRANK RUTLEY, F.G.S.
REV. H. P. GURNEY, M.A., F.G.S.
PROF. G. D. LIVEING, M.A., F.R.S.
LIEUT.-GEN. C. A. MCMAHON, F.G.S.
MR. J. J. H. TEALL, M.A., F.R.S.
PROF. A. H. CHURCH, M.A., F.R.S.
PROF. C. LE NEVE FOSTER, D.Sc., F.R.S.
PROF. J. W. JUDD, F.R.S.
MR. H. A. MIERS, M.A., F.G.S.

A vote of thanks to the auditors (Mr. Kitto and Mr. Rutley) was passed, and the auditors were re-elected.

Votes of thanks were also passed to the retiring Members of Council (Mr. Dudgeon, Prof. Green, Mr. Harker, Prof. Lewis), and to the Geological Society for the use of its Apartments.

The following papers were then read:—

1. On Binnite from the Binnenthal: by Dr. Trechmann.
2. On a new form of Descloizite from the Argentine, and on crystallised native zirconia (Baddeleyite), a new mineral from Ceylon: by Mr. Fletcher. (Page 148.)
3. On Spinel from iron-slag: by Mr. Allan Dick (communicated by Mr. Teall.)

4. On Selenite from Herne Bay : by Mr. Rutley.
5. Preliminary notes on Xanthoconite and Rittingerite : by Mr. Miers and Mr. Prior.
6. A locality of Cerium minerals in Cornwall : by Mr. Miers.

Professor Judd exhibited some excellent photographs of quartz, as examined in polarised light, and Mr. Rutley a large series of optical models : specimens illustrative of the various papers were exhibited by the authors.

EXCERPT MINUTES OF COUNCIL MEETING.

Held in the Apartments of the Geological Society, January 17th, 1893.

Prof. STORY-MASKELYNE, F.R.S., President, in the Chair.

The audited Balance Sheet for the year 1892 was submitted and approved, and ordered to be issued with the next Number of the Journal (page xiii).

Mr. George Barrow, Geological Survey of Scotland, was elected an Ordinary Member of the Society.

The death of Mr. Thomas Davies, F.G.S., Foreign Secretary, was announced.

It was resolved to initiate a "Thomas Davies Memorial Fund" for the benefit of the widow and children, and an Executive Committee, with Professor Story-Maskelyne as Chairman, Dr. Hugo Müller as Treasurer, Mr. Miers as Secretary, was nominated.

Professor J. W. Judd, F.R.S., was elected Foreign Secretary, and Professor W. I. Macadam, F.C.S., an Ordinary Member of Council, by co-optation.

GENERAL MEETING.

Held in the Apartments of the Geological Society, January 17th, 1893.

Prof. STORY-MASKELYNE, F.R.S., President, in the Chair.

Eight Members were present.

The election of Mr. George Barrow as Ordinary Member of the Society ; the death of Mr. Thomas Davies ; the initiation of a " Thomas Davies Memorial Fund ;" the election of Professor Judd as Foreign Secretary and of Professor Macadam as Ordinary Member of Council, were announced.

The Secretary read an obituary notice of Mr. Davies.

The following papers were read :—

1. On a discovery of " Oriental Ruby " and Margarite in the Province of Westland, New Zealand : by Prof. G. F. Ulrich, F.G.S. : communicated by Prof. Judd.

2. On the Isomorphism of the Red-silvers : by Mr. Miers.

3. On a discovery of Native Zirconia in Brazil : by Mr. Fletcher.

Specimens were shown in illustration of Professor Ulrich's paper.

Mineralogical Society—Abstract of Receipts and Payments from 1st January to 31st December 1892.

RECEIPTS.		PAYMENTS.	
	£ s. d.		£ s. d.
Balance from year 1891	8 16 7	Printing and Stationery	78 16 0
Subscriptions:—(1) in advance	2 7 0	Illustrations	4 12 0
(2) current	58 6 0	Attendance at Meetings	0 10 0
(3) in arrear	6 6 0	Editorial and Clerical Expenses	Nil
Entrée, Fees and Compositions	22 1 6	Postages and Parcels	\$ 19 2
Sale of Journals	13 4 6	Investments and Commission	7 4 5
Dividends on Stock	7 5 2	Bank Commission on Cheques	0 1 7
	£118 0 3	Balance	22 17 1
	£118 0 3		£118 0 3

Examined and compared with the vouchers and found correct.

(Signed)

BENEDICT KITTO, }
FRANK RUTLEY, } *Auditors.*

January 16th, 1893.

LIABILITIES.		ASSETS.	
	£ s. d.		£ s. d.
Printing and Stationery	50 0 5	Balance as above	22 17 1
Illustrations	2 3 0	Subscriptions for 1890-2 unpaid	5 8 0
Attendance at Meetings	1 1 0	Stock in 23 per Cent £272 Hds. 5d. at 98	267 5 4
Received in advance (1) Subscriptions	2 7 0	Interest on Stock (unpaid)	1 16 4
(2) Sale of Journal	0 5 6	Sale of Journals—(1) due from Publishers	19 13 0
Editorial Postage	0 8 8	(2) due on Office Account	3 13 5
Excess of Assets over Liabilities	274 15 7	Due for extra Authors' Copies	7 8 0
	£331 1 2		£331 1 2

The number of Life Members on December 31st, 1892, was 33.

The Stock of Publications and the Library are not included in the above assets.

(Signed)

L. FLETCHER,
General Secretary.