

EXCERPT MINUTES OF COUNCIL MEETING.

Held in the Apartments of the Geological Society, February 3, 1903.

PROF. H. A. MIERS, F.R.S., Vice-President, in the Chair.

The deaths of the Reverend Professor T. Wiltshire, Ordinary Member, and Professor A. D'Achiardi, Honorary Member, were announced.

Professor Theodor Liebisch, of Göttingen, and Professor Giovanni Strüver, of Rome, were elected Honorary Members of the Society.

GENERAL MEETING.

Held in the Apartments of the Geological Society, February 3, 1903.

PROF. H. A. MIERS, F.R.S., Vice-President, in the Chair.

Eleven Members were present. The elections of Professor Liebisch, of Göttingen, and of Professor Strüver, of Rome, to the Honorary Membership were confirmed.

The following papers were read:—

1. On a meteoric stone seen to fall on August 22, 1902, at Caratash, Smyrna: by Mr. L. Fletcher, F.R.S.

2. Note on the history of the mass of meteoric iron found in the neighbourhood of Caperr, Patagonia: by Mr. L. Fletcher, F.R.S.

3. On the crystalline forms of carbides and silicides of iron and manganese: by Mr. L. J. Spencer (p. 296).

4. The refractive indices of Pyromorphite: by Mr. H. L. Bowman (p. 324).

5. Note on Quartz crystals from De Aar: by Mr. T. V. Barker (communicated by Professor Miers) (p. 331).

Professor Maskelyne exhibited some specimens of worked flint implements from Knowle, Wiltshire, having a smooth polish of doubtful origin: also some lustrous black mountain-limestone from Brecon.

EXCERPT MINUTES OF COUNCIL MEETING.

Held in the Apartments of the Geological Society, March 24, 1903.

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

Mr. John Brooke Scrivener, M.A., F.G.S., of the Geological Survey, was elected an Ordinary Member of the Society.

GENERAL MEETING.

Held in the Apartments of the Geological Society, March 24, 1903.

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

Nineteen Members were present. The election of Mr. J. B. Scrivenor to the Ordinary Membership of the Society was confirmed.

The following papers were read:—

1. On the Diathermancy of Antimonite: by Dr. A. Hutchinson (p. 342).

2. A peculiar form of Magnetite in Bunter Sandstone: by Mr. J. B. Scrivenor (p. 351).

3. Anatase in the Trias of the Midlands: by Mr. J. B. Scrivenor (p. 348).

4. A large crystal of Sulpharsenite of Lead from the Binnenthal: by Professor W. J. Lewis.

A large, isolated crystal, measuring $4 \times 1 \times \frac{1}{2}$ inch, was shown. The following analysis by Mr. H. Jackson proves it to be sartorite:—Pb, 42.93; S, 25.32; As, 31.11.

5. A twin of Copper-pyrites: by Professor W. J. Lewis.

6. A mineral from the mines of the Borax Consolidated Co., California: by Mr. W. B. Giles (p. 353).

Mr. J. A. Howe exhibited a peculiar stalactite of calcite, and made a suggestion as to the mode of formation.

EXCERPT MINUTES OF COUNCIL MEETING.

Held in the Apartments of the Geological Society, June 9, 1903.

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

The audited Balance Sheet for the year ending December 31, 1902, was submitted and approved.

The death of Professor A. H. Chester, of New Brunswick, U.S.A., an Ordinary Member of the Society, was announced.

Mr. Herbert Henry Thomas, B.A., F.G.S., of the Geological Survey, was elected an Ordinary Member of the Society.

Mr. Bowman, Mr. H. F. Collins, Dr. Cullis, and Mr. Solly were selected for nomination to replace the retiring Members of Council,

namely, the Earl of Berkeley, Mr. J. H. Collins, Dr. Hutchinson, and Professor Lewis.

GENERAL MEETING.

Held in the Apartments of the Geological Society, June 9, 1903.

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

Twenty Members and one Visitor were present. The election of Mr. H. H. Thomas to the Ordinary Membership of the Society was confirmed.

The Secretary read a statement relative to a proposal to place a memorial of the late Professor A. D'Achiardi in the Museum of Pisa.

The following papers were read :—

1. Notes on some mineral specimens from Santa Fé, State of Chiapas, Mexico: by Mr. H. F. Collins (p. 356).

2. Observations of the growth of crystals: by Professor H. A. Miers, F.R.S.

The new method of observation consists in tracing the changes of angle upon a crystal during its growth by measuring it at intervals by means of a specially devised inverted goniometer, without moving it from the solution in which it is growing. It was found that an octahedron of alum yielded invariably three images for each face, so that the crystal had really the form of a very flat triakis-octahedron. Similar observations on other crystals lead to the conclusion that the faces of a crystal are in general not faces with simple indices, but vicinal faces slightly inclined to them, which change their inclination during the growth of the crystal. By determinations of the refractive index of the solution by means of total reflection within the crystal, it was found that in each case the liquid in contact with the growing crystal is slightly supersaturated.

The former paper was illustrated by numerous specimens, and the latter by means of lantern slides.

MINERALOGICAL SOCIETY.

ABSTRACT OF RECEIPTS AND PAYMENTS FROM JANUARY 1 TO DECEMBER 31, 1902.

RECEIPTS.		PAYMENTS.	
	£ s. d.		£ s. d.
Balance from the year 1901	76 2 11	Printing and Stationery (including Authors' copies, £5 ls. 8d.)	55 9 4
Subscriptions—(1) current	43 1 0	Illustrations	7 14 8
(2) arrears	10 10 0	Editor's honorarium (1901)	10 10 0
Entrance fees	53 11 0	Postage and Parcels	4 2 10
Sale of publications by publishers to Dec. 31, 1901	3 3 0	Attendant's Fee at Meetings	1 10 0
Dividends on Stock	37 7 0	Binding	0 1 9
	14 2 4	Commission on P. O. Orders	0 0 3
		Banker's Commission	0 0 6
		Investments and Brokers' Commission	0 2 6
		Balance at Bank	14 2 4
		" in Office	88 6 10
			2 8 2
			90 15 0
	£184 6 3		£184 6 3

Examined and compared with the vouchers, and found correct.
April 30, 1903.

(Signed) J. H. COLLINS. } Auditors.
H. L. BOWMAN. }

LIABILITIES.	£ s. d.	ASSETS.	£ s. d.
Owing for Miscellaneous Printing	6 6 3	Balance at Bank	88 6 10
" George Savigar for postage and care of Stock.	1 9 1	" in Office	2 8 2
" Secretarial postage	0 5 11	Consols (£558 13s. 1d., valued at £91)	508 7 6
" Editor's Honorarium (1902)	10 10 0	Balance owing from Publishers	11 11 6
Excess of assets over liabilities	604 19 4	" " Geo. Savigar for sale of publications	1 5 7
		Subscriptions in arrear	11 11 0
			£628 10 7

The number of Life Members on December 31, 1902, was 52.

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

(Signed) W. P. BEALE,

April 30, 1903.

Hon. Treasurer.