

PROCEEDINGS
OF THE
MINERALOGICAL SOCIETY.

EXCERPT MINUTES OF COUNCIL MEETING.

Held in the Apartments of the Geological Society, January 22nd, 1901.

Professor A. H. CHURCH, M.A., F.R.S., President, in the Chair.

The Secretary reported that the nomination of Lieutenant D. St. A. P. Weston, R.N., for the Membership of the Society had been communicated to the Members.

The resignation of Mr. Boulger and the death of Mr. Taylor, Ordinary Members, were announced.

The President, the General Secretary, the Editor of the Journal, Dr. Hugo Müller and Professor Miers were appointed to serve on the Editorial Committee of the Journal.

Messrs. Collins and Kitto were elected auditors for the accounts of the Society for the years 1900 and 1901.

The audited Balance Sheet for the year ending December 31st, 1900, was submitted and approved.

Resolved to issue a List of Members and the Bye-Laws as part of each volume of the Journal.

The President generously offered to present certain volumes of the Bulletin of the French Mineralogical Society; and also to present the sum of ten pounds to the Society for use in the binding of the books in the Library: a vote of thanks was passed to the President for these gifts.

The President further presented a beautifully bound book with blank leaves of linen-made paper for use as an Obligation-Book: a vote of thanks for this was passed.

The date of next Meeting was changed from April 2nd to March 19th.

GENERAL MEETING.

Held in the Apartments of the Geological Society, January 22nd, 1901.

Professor A. H. CHURCH, M.A., F.R.S., President, in the Chair.

Nineteen Members and one Visitor were present.

The following papers were read :—

1. Note on an occurrence of Mirabilite : by Dr. C. O. Trechmann (p. 78).
2. On a question relative to extinction-angles in rock-slices : by Mr. A. Harker (p. 66).
3. A new device for separating minerals by heavy liquids : by Mr. Harold B. Hartley.
4. On the arrangement of the chemical atoms in calc-spar and in some other crystals : by Mr. W. Barlow.
5. Addition to a former note on the rotation of points and planes : by Mr. R. W. H. T. Hudson. (Communicated by Professor Lewis.) (p. 71).

EXCERPT MINUTES OF COUNCIL MEETING.

Held in the Apartments of the Geological Society, March 19th, 1901.

Professor A. H. CHURCH, M.A., F.R.S., President, in the Chair.

Lieutenant D. St. A. P. Weston, R.N., was elected an Ordinary Member of the Society.

Reported that Mr. George Abbott, M.R.C.S., and Mr. Herbert Thomas Burls, F.G.S., had been proposed as candidates for the Ordinary Membership of the Society.

GENERAL MEETING.

Held in the Apartments of the Geological Society, March 19th, 1901.

Professor A. H. CHURCH, M.A., F.R.S., President, in the Chair.

Thirteen Members were present.

The election of Lieutenant D. St. A. P. Weston, R.N., to the Ordinary Membership of the Society was confirmed.

The following papers were read :—

1. Notes on an occurrence of minerals at Haddam Neck, Connecticut, U.S.A. : by Mr. H. L. Bowman.
2. On Calaverite from the Cripple Creek District : by Mr. G. F. Herbert Smith : with chemical analysis by Mr. G. T. Prior.
3. On the arrangement of the chemical atoms in Boracite and Cassiterite : by Mr. W. Barlow.

Mineralogical Society—Abstract of Receipts and Payments from 1st January to 31st December, 1900.

RECEIPTS.		PAYMENTS.	
	£ s. d.		£ s. d.
Balance from year 1899	92 19 11	Printing and Stationery	...
Subscriptions:—		Illustrations	...
(1) In advance	1 1 0	Attendants' Fees at Meetings	...
(2) Current	42 0 0	Clerk's Fee in charge of Stock (1899)	...
(3) In arrear	5 5 0	Postage	...
Entrance Fees and Compositions	48 6 0	Commission on Cheques	...
Sale of Publications by publishers	47 5 0	Investments and Brokers' Commission	...
Authors' Extra Copies	25 5 0	Balance at Bank	£73 8 4
Dividends on Stock	1 16 5	" in Office	3 12 1
	12 13 9		79 0 5
	<u>£228 6 1</u>		<u>£228 6 1</u>

Examined and compared with the vouchers and found correct.

(Signed) **BENEDICT KITTO,** }
J. H. COLLINS, } *Auditors.*

LIABILITIES.		ASSETS.	
	£ s. d.		£ s. d.
Printing No. 58 of the Journal	51 9 0	Balance as above	79 0 5
Miscellaneous Printing, including the Bye-Laws and List of Members	6 11 0	Subscriptions unpaid	15 15 0
Clerk for care of Stock in 1900	1 1 0	Stock in 23 Consols: £526 11s. 1d., valued at 96	505 9 7
Postage	0 17 1	Dividend on Stock, January 1901	3 8 9
Excess of Assets over Liabilities	585 8 4	Sale of Journal, 1900	20 17 5
	<u>£645 6 5</u>	Arrears of Sales	2 15 3
		Authors' Copies	18 0 0
			<u>£645 6 5</u>

The number of Life-Members on December 31st, 1900, was 52.

MEMO.—The Stock of Publications and the Value of the Library are not included in the above Assets.

(Signed) **F. W. RUDDLER,** }
Treasurer.

EXCERPT MINUTES OF COUNCIL MEETING.

Held in the Apartments of the Geological Society, June 18, 1901.

Professor A. H. CHURCH, M.A., F.R.S., President, in the Chair.

Mr. Herbert Thomas Burls, F.G.S., was elected to the Ordinary Membership of the Society.

GENERAL MEETING.

Held in the Apartments of the Geological Society, June 18, 1901.

Professor A. H. CHURCH, M.A., F.R.S., President, in the Chair.

Fifteen Members were present. The election of Mr. H. T. Burls as an Ordinary Member was confirmed.

The following papers were read:—

1. On the anharmonic ratio of four faces in a zone: by Mr. Alfred Harker.

2. On the arrangement of the chemical atoms in potassium-alum, and in some of the bodies which display tetartohedral symmetry: by Mr. W. Barlow.

3. Remarks on the crystallography of Calaverite: by Mr. G. F. Herbert Smith (p. 122).

4. On pseudomorphous calcium carbonate from the Clyde-bed: by Dr. C. O. Trechmann.

5. On some inter-relations of species, especially sulphates and phosphates: by Mr. G. T. Prior.

EXCERPT MINUTES OF COUNCIL MEETING.

Held in the Apartments of the Geological Society, November 12, 1901.

Professor A. H. CHURCH, M.A., F.R.S., President, in the Chair.

The deaths of Baron Nordenskiöld, Honorary Member, Dr. Moberg, and Mr. W. Terrill, Ordinary Members, were announced.

The Foreign Secretary was requested to send a letter of congratulation to Professor Groth on the completion of the twenty-fifth year of the publication of the *Zeitschrift für Krystallographie*.

The following dates were selected for the meetings of the Society during 1902:—February 4, March 25, June 24, and November 18, the last to be the Anniversary Meeting.

ANNIVERSARY MEETING.

Held in the Apartments of the Geological Society, November 12, 1901.

Professor A. H. CHURCH, M.A., F.R.S., President, in the Chair.

Nineteen Members and one visitor were present.

The scrutineers reported that forty voting papers had been returned, and that the following had been elected Officers and Members of Council for the year 1901-2:—

President. HUGO MÜLLER, Esq., Ph.D., F.R.S.

Vice-Presidents. PROF. G. D. LIVEING, M.A., F.R.S.

PROF. H. A. MIERS, M.A., F.R.S.

Treasurer. LIEUT.-GEN. C. A. McMAHON, F.R.S.

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

Foreign Secretary. PROF. J. W. JUDD, C.B., F.R.S.

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

Ordinary Members of Council.

J. J. H. TRALL, Esq., M.A., F.R.S.	J. H. COLLINS, Esq., F.G.S.
A. E. TUTTON, Esq., B.Sc., F.R.S.	PROF. W. J. LEWIS, M.A., F.C.S.
PROF. W. W. WATTS, M.A., F.G.S.	W. BARLOW, Esq., F.G.S.
W. P. BEALE, Esq., K.C., F.G.S.	B. KITTO, Esq., F.I.C., F.G.S.
THE EARL OF BERKELEY, F.G.S.	F. W. RUDLER, Esq., F.G.S.
A. HUTCHINSON, Esq., M.A., Ph.D.	G. F. HERBERT SMITH, Esq., M.A.

The following Report of Council for the year 1900-1 was read by the General Secretary.

ANNUAL REPORT.

The Balance Sheet for the year ending December 31, 1900, which was issued with Number 59 of the Journal, showed that the Assets of the Society (exclusive of the Library and the Stock of the Journal) amounted to £645 6s. 5d., and that the Liabilities amounted to £59 18s. 1d. The number of actual Members, who had compounded before December 31, 1900, for the payment of their Annual Subscription, was fifty-two; the value of the Stock invested in the names of the Trustees of the Society was on that date £505 9s. 7d.

During the Session 1900-1 the Society has lost three Ordinary Members and one Honorary Member by death, and two Ordinary Members by resignation; on the other hand, two Ordinary Members

have been elected. The total number of members is now 121; of these 102 are Ordinary Members and nineteen are Honorary Members.

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

Two Numbers of the Journal, No. 58 published in November, 1900, and No. 59 published in May, 1901, have been issued since the last Anniversary Meeting. The papers therein contained differ widely in character. On the instrumental side of crystallographic science, Mr. Herbert Smith has described an improved form of his three-circle goniometer. To the mathematical side of crystallography and optics contributions have been made by Professor Lewis, Mr. Hudson, Mr. Hilton and Mr. Harker. On the physical side, Mr. Bowman has given an account of a method of demonstrating the variation of thermal conductivity with crystallographic direction. To our knowledge of various mineral species additions have been made in papers by Mr. Spencer, on Marshite, Miersite, Iodyrite and Stannite, by Professor Lewis and Mr. Hall on Copper-pyrites, by Mr. Solly on Rathite, by Mr. Bowman on Pyroxene and Sapphire, by Miss Kelly on calcium carbonate. Information relative to topographical mineralogy has been given by Mr. Bowman and Dr. Trechmann. Chemical mineralogy is represented by a paper of Dr. Evans on the alteration of Iron-pyrites by underground water. Petrography is illustrated by two papers of Mr. Prior. Mr. Fletcher has given a detailed report on the circumstances of the fall and on the characters of the meteoric stones of Mount Zomba. Mr. Spencer has supplied a useful list of new Mineral Names and an Index to Volume XII of the Journal.

For the convenience of the Members, the new Bye-Laws, a list of the Members, and a list of the Serials in the Library, have been issued as part of the first Number of the current Volume of the Journal.

The Society is deeply indebted to the President, Professor Church, for the gift of (1) various volumes of the Journal of the Mineralogical Society of France, (2) the sum of ten pounds for expenditure in binding and (3) a beautifully bound Obligation-Book for the preservation of the autographs of the Members.

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

On the motion of the President, seconded by the General Secretary, the Report was adopted. A vote of thanks to the Geological Society for the use of its apartments was carried by acclamation.

The following papers were then read:—

1. On Baumhauerite, a new mineral, Dufrenoy'site and Hyalophane, from the Binnenthal: by Mr. R. H. Solly (p. 151).

2. On Gibbsite from the Palni Hills in Southern India: by Dr. H. Warth (communicated by Mr. Mallet) (p. 172).

3. On the occurrence of Gold in the Klondike: results of a visit in 1901: by Professor Miers.

The papers were illustrated by specimens, and Professor Miers showed a series of lantern-slides prepared from photographs taken by him at Klondike.

EXCERPT MINUTES OF COUNCIL MEETING.

Held in the Apartments of the Geological Society, February 4, 1902.

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

Mr. George Duncan McGrigor, F.R.G.S., was elected an Ordinary Member of the Society. The resignation of Mr. H. M. Platnauer, Ordinary Member, was announced.

GENERAL MEETING.

Held in the Apartments of the Geological Society, February 4, 1902.

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

Fifteen members were present. The election of Mr. G. D. McGrigor as an Ordinary Member was confirmed.

The following papers were read:—

1. On the Hornsilvers: by Messrs. G. T. Prior and L. J. Spencer (p. 174).

2. The identity of Kilbrickenite with Geocronite: Analyses of Miersite, Marshite and Copper-pyrites: by Mr. G. T. Prior (p. 186).

3. A new Sapphirine-like mineral from Ceylon: by Messrs. G. T. Prior and A. K. Coomára-Swámy.

4. Attempts to reproduce interference-effects by three-colour printing: by Professor Miers.

Specimens illustrative of the above papers were shown by Mr. Coomára-Swámy and Professor Miers; the latter further exhibited twin-crystals of calcite according to the less common twin-plane (11 $\bar{1}$) from a new locality in Somersetshire, and also some crystalline gold-nuggets from Klondike.