

PROCEEDINGS
OF THE
MINERALOGICAL SOCIETY
(1958)

EXCERPT MINUTES OF COUNCIL MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London W., 23 January 1958, at 3.15 p.m.*

Prof. C. E. TILLEY, President, in the Chair.

The following were provisionally elected Ordinary Members of the Society: Donald Armstrong, Fred Donald Bloss, Jeffrey Raymond Farlam, John Alan Gard, Emilie Jäger, Mir-Ali Kashkay, Diane Constance Knill, Eugen Constantinovich Lazarenko, Roger Walter Le Maitre, Margaret Longstaff, David Blair Orr, Valeri Petrovich Petrov, Daniel Hittjo Porrenga, Brian Bailey Young.

The death of Dr. Felix Singer was reported.

The resignations of Mr. B. Butterworth, Dr. J. T. Greensmith, Dr. D. N. McArthur, Mr. G. M. Puckle, and Dr. K. H. Wheatley were accepted.

Reports were received from the Treasurer, the Editors, the Clay Minerals Group, and the Editorial Committee on Mineralogical Abstracts.

The Council's appreciation of Dr. Henry's work as Abstract Editor was recorded, and the recommendation to appoint Dr. J. Phemister as editor of the proposed new *Mineralogical Abstracts* was approved. It was reported that the Mineralogical Society of America had authorized a contribution of £500 towards the initial expenses of the new *Mineralogical Abstracts*, and had appointed a committee to co-operate with the British committee on mineralogical nomenclature.

The nominations of the President as delegate, and of the Secretary and the Abstracts Editor as alternative delegates to the proposed inaugural meeting of the International Mineralogical Association in Madrid during the week commencing 6 April 1958 were approved.

The appointment of the President as the Society's representative on the committee for the International Congress of Crystallography in Cambridge in 1960 was confirmed.

The Society's exemption from rates, effective from the date of occupation of its present premises, was reported.

The decision to reprint the first and second Supplementary Lists of British Minerals with the Third supplementary list of British minerals, by Dr. L. J. Spencer, was approved.

The appointment of Miss H. E. W. Leigh as Publications Clerk was reported.

GENERAL MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London W., 23 January 1958, at 5 p.m.*

Prof. C. E. TILLEY, President, in the Chair.

Forty-four Members and eight Visitors were present.

The elections of fourteen Ordinary Members of the Society provisionally made by the Council were confirmed.

The following exhibits were shown:

1. Tertiary picritic rocks from Ubekendt Ejland (West Greenland) and the Hebrides: by Dr. H. I. Drever.
2. Two minerals new to Britain: hübnerite and adamite: by Mr. A. W. G. Kingsbury.
3. The application of X-ray micro-absorption spectroscopy to mineralogical problems: by Mr. J. V. P. Long and Dr. J. D. C. McConnell.

The following papers were read and discussed:

1. A re-examination of andrewsite: by Dr. G. F. Claringbull and Dr. M. H. Hey.
2. An X-ray technique for the study of oriented intergrowths in pyroxene crystals: by Dr. M. G. Bown and Dr. P. Gay.

By X-ray methods it is possible to identify oriented intergrowths of minor components in 'single' crystals. The techniques developed have been applied to pyroxene crystals. Results are presented for the orientation and identification of augite, pigeonite, and orthopyroxene in poly-phase crystals. Inclusions of magnetite, ilmenite, and amphibole can also be characterized.

3. The formation of supergene galena at Broken Hill, Northern Rhodesia: by Prof. J. H. Taylor (vol. 31, p. 908).

4. Analysis of meteoritic irons: by Dr. M. H. Hey and Dr. A. A. Moss.

A procedure for the determination of C, S, P, Ge, Co, Ni, Cr, Cu in meteoritic irons has been worked out. Separation of Fe, Ge, S, and P is achieved by passing a stream of dry chlorine over a piece (0.5 g.) of meteorite at 350°–400° C., whereby these elements are volatilized as their chlorides. The distillate is examined for Ge, S, and P, and the residue treated with dilute sulphuric acid to dissolve the chlorides of Co, Ni, Cr, and Cu, leaving the carbon as an insoluble residue. The Co, Ni, Cr, and Cu in the solution is determined by a combination of electrolytic, colorimetric, and gravimetric methods.

The following papers were taken as read:

1. Further consideration of the crystal structure of kaolinite: by Dr. G. W. Brindley and Mr. M. Nakahira (vol. 31, p. 781).
2. The system diopside-anorthite-åkermanite: by Dr. E. Christiaan de Wys and Dr. Wilfred R. Foster (vol. 31, p. 736).

EXCERPT MINUTES OF COUNCIL MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London W., 27 March 1958, at 3.15 p.m.*

Prof. C. E. TILLEY, President, in the Chair.

The following were provisionally elected Ordinary Members of the Society: Alexander James Beveridge, Richard Conrad Emmons, Laurence Bowes Halferdahl, Bernard Elgey Leake, James Robert Smith, Rodney Tampa Tettenhorst.

The death of Mr. William James Dunstall was reported.

The resignations of Dr. J. M. Carr, Mr. W. G. Collins, Mr. A. E. Pickles, and Mr. R. Brooks were accepted.

The names of Mr. J. H. Christie and Dr. R. S. Mithal were removed from the list of members for non-payment of subscriptions.

Reports were received from the Treasurer, the Editors, the Clay Minerals Group, and the Editorial Committee on Mineralogical Abstracts. The Treasurer presented the audited accounts for 1957, which were approved (vol. 31, pp. lxxvi-lxxix).

Nominations for election to the Council were considered. The following Ordinary Members of Council were due to retire: Prof. W. A. Deer, Mr. J. E. T. Horne, Dr. R. C. Mackenzie, and Dr. E. A. Vincent. The following were proposed for election as Ordinary Members of Council at the Anniversary Meeting in November 1958: Dr. R. A. Howie, Prof. F. H. Stewart, Dr. J. R. Butler, and Mr. R. F. Youell.

Dr. Campbell Smith's report on his attendance at the Geological Conservation Committee Liaison Meeting with Nature Conservancy on 6 March 1958 was noted.

The exchange with the Institute of Scientific Information, Academy of Sciences of the USSR, Moscow, of their journals, *Геохимия* and *Записки Всесоюзного Минералогического Общества* for the *Mineralogical Magazine* was agreed, subject to reasonable reciprocity.

GENERAL MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London W., 27 March 1958, at 5 p.m.*

Prof. C. E. TILLEY, President, in the Chair.

Thirty Members and three Visitors were present.

The elections of six Ordinary Members of the Society provisionally made by the Council were confirmed.

The following exhibits were shown:

1. Metamorphosed bole, lithomarge, and ferruginous bauxite from Tievebulliagh, near Cushendal, Co. Antrim: by Dr. S. O. Agrell.
2. Model of the crystal structure of botallackite: by Mr. P. G. Embrey.

The following papers were read and discussed:

1. Bonchevite, PbBi_4S_7 , a new mineral: by Prof. Ivan Kostov (vol. 31, p. 821).
2. The infra-red spectra of talc, saponite, and hectorite: by Mr. V. C. Farmer (communicated by Dr. R. C. Mackenzie) (vol. 31, p. 829).
3. The mineral paragenesis and metamorphic status of garnet-hornblende-pyroxene-scapolite gneiss from Ghana (Gold Coast): by Dr. O. von Knorring and Prof. W. Q. Kennedy (vol. 31, p. 846).
4. Minium from Broken Hill, New South Wales: by Dr. Brian J. Skinner and Miss E. Maud McBriar (vol. 31, p. 947).

EXCERPT MINUTES OF COUNCIL MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London W., 5 June 1958, at 3.15 p.m.*

Prof. C. E. TILLEY, President, in the Chair.

The following were provisionally elected Ordinary Members of the Society: Wayne Miley Bundy, Richard John Davis, Donald Munro Henderson, Bruce Clifford Hicks, Kai Kalevi Gabriel Hytönen, John Brett Jones, John Laurence Kulp, Jose Lima-de-Faria, Arthur Stimson, Ichiro Sunagawa, Carlos Fernando Torre de Assunção, Wilfred John Wadsworth, Scott John Williams.

The death of the Rev. Canon Arthur Frederick Smethurst was reported.

Reports were received from the Treasurer, the Editors, the Clay

Minerals Group, and the Editorial Committee on Mineralogical Abstracts, whose proposals were confirmed.

It was agreed that the price per single copy of the *Mineralogical Magazine*, excluding *Mineralogical Abstracts*, be reduced from 25s. to £1 from 1 January 1959. The price of the combined *Magazine* and *Abstracts* back numbers, up to December 1958, would remain unchanged at 25s.

A report by the President on his and the Abstracts Editor's attendance as delegates at the inaugural meeting of the International Mineralogical Association in Madrid in April was received.

GENERAL MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London W., 5 June 1958, at 5 p.m.*

Prof. C. E. TILLEY, President, in the Chair.

Forty-six Members and four Visitors were present.

The elections of thirteen Ordinary Members of the Society provisionally made by the Council were confirmed.

The following papers were read and discussed:

1. A preliminary account of the dolerite-chalk contact at Ballycraigy, Larne, Northern Ireland: by Dr. J. D. C. McConnell.

The contact relationships between a composite dolerite plug and chalk at Ballycraigy are described. Evidence of high-temperature thermal metamorphism and hybridization is presented.

In general the hybrid rocks developed at the contact are closely similar to those described from Scawt Hill, but at one point on the excavated conduit wall a unique series of hybrid rocks is developed. The hybrid rocks comprise a narrow sheath on the external surface of a detached block of highly metasomatized chalk. This localized group of hybrid rocks is heterogeneous, and carries magmatic olivine. A sequence of metasomatic reactions is evidenced within the local hybrid rocks. This involves the production of melilite, and later, monticellite, at the expense of olivine.

2. A hydrated barium-strontium pyrochlore in a biotite rock from Panda Hill, Tanganyika: by Dr. E. Jäger, Prof. E. Niggli, and Dr. A. H. van der Veen (vol. 32, p. 10).

3. The effect of composition and structural state on the rhombic section and pericline twins of plagioclase feldspars: by Dr. J. V. Smith (vol. 31, p. 914).

4. The fibrous zeolite erionite: its occurrence, unit cell, and possible structure: by Dr. Lloyd W. Staples and Dr. J. A. Gard.

The type locality for erionite has been identified and specimens compared with Eakle's original material. New determinations of the physical properties and chemical analysis have confirmed most of Eakle's published data. Correlation of X-ray powder and fibre rotation data with electron diffraction of single crystals has shown that the unit cell is hexagonal with a 13.26, c 15.12 Å., space-group $P\bar{3}1c$, $P\bar{3}1c$, $P6_3mc$, $P\bar{6}2c$, or $P6_3/mmc$, giving a calculated density of 2.07 and atomic cell contents $(Ca, Mg, Na_2, K_2)_{4-5} Al_6 Si_{17} O_{72} \cdot 27H_2O$. Possible structures for the aluminosilicate framework are discussed.

5. Twenty-first list of new mineral names: by Dr. L. J. Spencer (vol. 31, p. 951).

The following papers were taken as read:

1. Variation of refractive index with ionization potential in some isostructural crystals: by Prof. L. H. Ahrens (vol. 31, p. 929).

2. Heat treatment of metamict euxenites, polymignites, yttritanalites, samarksites, pyrochlores, and allanites: by Mr. J. Lima-de-Faria (vol. 31, p. 937).

EXCERPT MINUTES OF COUNCIL MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London W., 6 November 1958, at 3 p.m.*

Dr. W. CAMPBELL SMITH, a Past President, in the Chair.

The following were provisionally elected Ordinary Members of the Society: John Hatfield Ashford, Leslie Vincent Ivan Berkin, Antonio Charles Bonanno, Neville Bradshaw, Edwin Kenneth Cundy, Arthur George Darnley, Bernard Gavin Docherty, John Alexander Drennan, Bernard William Evans, James Jeffrey Fawcett, John Gittins, Seymour Samuel Greenberg, Norman Henry Harbord, William Michael Lobjoit, Jennifer Kerry Lovering, Amal Majumdar, Michael John O'Hara, Paul Hubert Ribbe, Deane Kingsley Smith, John Hugh Spotts, John William Stuart, Hedley Gordon Wright, Peter John Wyllie.

Prof. Henri Jean François Buttgenbach was provisionally elected an Honorary Member.

The deaths of Mr. Leslie Holt Cruden, Sir Douglas Mawson, and Prof. George Vibert Douglas were reported.

The resignation of Dr. H. van Olphen was accepted.

Reports were received from the Treasurer, the Editors, the Clay Minerals Group, and the Editorial Committee on Mineralogical Abstracts.

The resignation of Dr. N. F. M. Henry as Editor of *Mineralogical*

Abstracts from 31 December 1958 was accepted, and Dr. J. Phemister was appointed to succeed him.

Dr. Averil Lysaght's appointment as Assistant to the Editor was approved.

Dr. Campbell Smith reported on discussions of nomenclature with the committee appointed by the Mineralogical Society of America.

Dr. R. K. Harrison and Dr. J. R. Butler were appointed auditors of the Society's accounts for the year ending 31 December 1958.

The Council approved of the provisional figures submitted by the Treasurer as a basis for instituting a staff pension scheme.

The Secretary read the draft of the Annual Report of the Council for the past year and, with minor alterations, this was approved for presentation at the ensuing Anniversary Meeting.

GENERAL (ANNIVERSARY) MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London W., 6 November 1958, at 5 p.m.*

Prof. L. R. WAGER, Vice-President, in the Chair.

Eighty-three Members and fifteen Visitors were present.

Alterations to Bye-laws 5 and 39, to make provision for the proposed increase of membership subscription to cover the future separate publications 'Mineralogical Magazine and Journal of the Society' and 'Mineralogical Abstracts' were adopted. These amendments are incorporated in the Bye-laws as printed on pp. ix and xiii of this volume.

The elections of twenty-three Ordinary Members and one Honorary Member of the Society provisionally made by the Council were confirmed.

The General Secretary read the following:

ANNUAL REPORT OF THE COUNCIL FOR 1957-8

Membership. The total membership on 31 October 1958 was 661 against 637 on 31 October 1957. Forty-four new members have been elected during the year, fourteen members have resigned, and the names of two members have been removed on account of arrears of subscription. The Society has lost by death four Ordinary Members. On 31 October 1958 the membership consisted of four Honorary Members and 657 Ordinary Members, of whom 68 are Life Members: 302 members are also members of the Clay Minerals Group.

Meetings. The total attendance at the four general meetings held during the session 1957-8 was 168 members and 20 guests, giving an average of 47 per meeting. At these meetings 19 papers were read, 6 were taken as read, and 7 exhibits shown.

At two meetings of the Clay Minerals Group, held in London and Brussels respectively, about 17 papers were read: the average attendance was 26 per meeting.

Publications. Three numbers of the *Mineralogical Magazine* have been issued

during the year, and the fourth (September 1958) is expected shortly. The four numbers 239-42 contain the Proceedings (13 pages), 28 papers, and 14 short communications in 374 pages, with 4 plates and 94 text-figures; and 786 abstracts (including 11 pages of authors' abstracts) and 36 book reviews in 256 pages.

Two numbers (18-19) of the *Clay Minerals Bulletin* have been issued during the year. The new edition of the X-ray monograph is proceeding.

Financial. The accounts for the calendar year 1957 are published in the June (1958) number of the Magazine. The excess of assets (exclusive of the Society's library and stock of publications) over liabilities at 31 December 1957 was £7,541. 9s. 11d. against £7,635. 15s. 0d. at the close of 1956. During 1957 expenditure from the General Fund exceeded income by £175. 4s. 2d.

Composition Fees to the value of £119. 18s. 4d. have been received and invested since the publication of the last annual report. The Society's holding of $4\frac{1}{2}$ % British Electricity Stock 1967-69 has been increased by £211. 14s. 9d.

The two numbers of the *Mineralogical Magazine* and *Abstracts* issued since the beginning of 1958 have cost £1,456. 10s. 11d. (inclusive of authors' reprints). The cost of reprinting one number of the *Mineralogical Magazine* has amounted to £103. 5s. 0d. Sales of the Clay Minerals Group monograph on differential thermal analysis have amounted to £855. 2s. 1d. during the same period.

The balances at the Society's Bankers and in the Post Office Savings Bank on 31 October 1958 were: General Fund £4,358. 5s. 1d., Miers Memorial Fund £144. 1s. 8d.

General. (i) *Mineralogical Abstracts*: Arrangements have been completed with the Mineralogical Society of America to produce *Mineralogical Abstracts* as a separate publication, sponsored jointly by the two Societies, after completion in December of the current volume. Details have already been circulated to members.

(ii) *International Mineralogical Association*: At a meeting in Madrid in April this year, at which the President was the Society's delegate, the International Mineralogical Association was formed.

In March 1953 the Council proposed the formation of an association of national Mineralogical Societies, and therefore welcomes the formation of this international organization. The Society is represented on the Executive Council and on each of the four Commissions so far named.

On the proposal of Dr. S. O. Agrell, seconded by Dr. J. D. C. McConnell, the adoption of the Annual Report was carried unanimously.

A vote of thanks to the Geological Society for the use of the apartments during the past session was proposed by Prof. S. I. Tomkeieff, seconded by Dr. R. C. Mackenzie, and carried with acclamation.

The President read the following list of Officers and Council elected for the session 1958-9 in accordance with bye-law 20:

President. Prof. C. E. Tilley, B.Sc., Ph.D., F.R.S.

Vice-Presidents. Prof. L. R. Wager, M.A., Sc.D., B.Sc., F.R.S.; Dr. A. K. Wells, D.Sc., F.G.S.

Treasurer. Prof. J. H. Taylor, M.A., B.Sc., Ph.D., F.G.S.

General Secretary. Dr. G. F. Claringbull, B.Sc., Ph.D., A.Inst.P., F.G.S.

Foreign Secretary. Dr. L. J. Spencer, C.B.E., B.Sc., M.A., Sc.D., F.R.S.

Editor of the Journal. Dr. M. H. Hey, M.A., D.Sc.

Editor of Mineralogical Abstracts. Dr. N. F. M. Henry, B.Sc., M.A., Ph.D., F.G.S.

Ordinary Members of Council

Dr. G. M. Brown, M.A., D.Phil., B.Sc., F.G.S.	Dr. A. F. Seager, B.Sc., Ph.D., A.K.C., F.G.S.
Dr. J. R. Butler, B.A., Ph.D.	Prof. F. H. Stewart, B.Sc., Ph.D., F.G.S.
Dr. H. I. Drever, B.Sc., Ph.D., F.R.S.E.	Prof. A. Stuart, M.Sc., F.G.S., F.R.M.S.
Mr. P. G. Embrey, B.Sc., M.A., A.R.I.C.	Dr. W. H. Taylor, M.A., Ph.D., D.Sc., F.Inst.P.
Dr. R. A. Howie, M.A., Ph.D., F.G.S.	Prof. D. Williams, D.Sc., Ph.D., B.E., M.I.M.M., F.G.S.
Dr. R. J. W. McLaughlin, M.Sc., Ph.D.	Mr. R. F. Youell, B.Sc., A.R.C.S.

A vote of thanks to the retiring Members of Council was proposed by Mr. H. P. Rooksby, and seconded by Mr. L. A. Thomas.

The following exhibit was shown:

Mineralogical and petrological applications of X-ray emission micro-spectroscopy: by Dr. S. O. Agrell and Mr. J. V. P. Long.

The following papers were read:

1. Yoderite, a new hydrous magnesium iron aluminosilicate from Mautia Hill, Tanganyika: by Mr. D. McKie, with chemical analyses by Mr. A. J. Radford.

2. Some further heating experiments on natural titaniferous magnetites: by Mr. J. B. Wright (vol. 32, p. 32).

3. The transformation of tobermorite into xonotlite: by Dr. H. F. W. Taylor (vol. 32, p. 110).

4. The hydrothermal synthesis of tilleyite in a CO₂-deficient environment: by Dr. J. D. C. McConnell.

Hydrothermal experiments indicate that both spurrite and tilleyite are readily synthesized in a CO₂-deficient environment. The stability relationships of tilleyite are discussed.

5. A mineralogical application of X-ray absorption microspectroscopy: the hydration of larnite: by Mr. J. V. P. Long and Dr. J. D. C. McConnell (vol. 32, p. 117).

The following papers were taken as read:

1. The formation of a diffusion reaction skarn by pure thermal metamorphism: by Prof. W. Q. Kennedy (vol. 32, p. 26).

2. Delhayelite, a new silicate from the Belgian Congo: by Prof. Th. G. Sahama and Dr. Kai Hytönen (vol. 32, p. 6).

3. Helvine from a lithium pegmatite near Salisbury, Southern Rhodesia: by Dr. O. von Knorring (vol. 32, p. 87).

**MINERALOGICAL
INCOME AND EXPENDITURE ACCOUNT
A. GENERAL**

1957 £	INCOME	£ s d.	£ s d.
	Members' subscriptions—		
	Annual subscriptions	1178 15 11	
	Entrance fees	49 0 0	
1172		1227 15 11	1227 15 11
	<i>Mineralogical Magazine and Abstracts—</i>		
	Advertisement fees	150 3 6	
	Sales	2655 13 7	
3976		2805 17 1	2805 17 1
	Investment revenue—		
	Interest on investments	213 2 3	
	Post Office Savings Bank interest	42 16 6	
265		255 18 9	255 18 9
300	<i>Grant from Royal Society (Parliamentary Grant-in-aid for scientific publications)</i> . . . . .	. . . . .	- - -
	Clay Minerals Group—		
	<i>Clay Minerals Bulletin:</i>		
	Subscriptions	194 19 0	
	Sales, including authors' reprints	223 10 2	
296		418 9 2	418 9 2
	Clay Minerals Monographs—		
	Sales: <i>X-ray Identification and Crystal Structures of Clay Minerals</i>	3 8 11	
	<i>The Differential Thermal Investigation of Clays</i>	998 10 7	
769		1001 19 6	1001 19 6
12	<i>Glossary of Clay Trade Names, sales</i> . . . . .	. . . . .	5 13 6
2	Interest on Bank Accounts (Harpenden and Cambridge) . . . . .	. . . . .	10 13 5
1000	<i>Transfer from Publications Fund</i> . . . . .	. . . . .	- - -
175	Balance, being excess of expenditure over income for the year . . . . .	. . . . .	445 2 4
£7967		£6171 9 8	

B. MIERS

		£ s d.
18	Investment revenue	17 13 2
1	Donation	1 1 0
£19		£18 14 2

SOCIETY

FOR THE YEAR ENDED 31 DECEMBER 1958

FUND

1957 £	EXPENDITURE	£ s. d.	£ s. d.
	<i>Mineralogical Magazine and Abstracts—</i>		
	Nos. 240–243:		
	Printing	2399 11 6	
	Illustrations	86 7 0	
	Authors' reprints	128 4 10	
	Distribution to members	95 9 10	
	Distribution to subscribers	113 11 5	
3095		-----	2821 4 7
566	Reprinting Magazines Nos. 163, 166, 167, 168 . . . . .	. . . . .	470 12 6
	Editorial Expenses:		
	Magazine editor	62 16 9	
	Abstracts editor	173 14 10	
289		-----	236 11 7
	Contribution to new joint <i>Mineralogical Abstracts</i> . . . . .	. . . . .	500 0 0
	Meeting expenses—		
	Notices of meetings	97 0 3	
	General expenses in connexion with meetings	26 8 0	
112		-----	123 8 3
	General expenses—		
	Office rental and house expenses	415 4 3	
	Clerical assistance	998 6 6	
	Printing and stationery	39 18 2	
	Postage and telephone	116 15 4	
	Sundry office expenses	46 13 7	
1644		-----	1616 17 10
	Library binding charges . . . . .	. . . . .	3 3 0
	Clay Minerals Group—		
	<i>Clay Minerals Bulletin</i> :		
	Printing Bulletins 18 and 19	234 0 0	
	Authors' reprints	35 0 0	
	Editorial expenses	31 17 8	
244		-----	300 17 8
1941	<i>Monograph on the Differential Thermal Investigation of Clays</i> . . . . .	. . . . .	- - -
	General expenses:		
	Meeting expenses	13 1 0	
	Office expenses	85 13 3	
76		-----	98 14 3
-	<i>Balance, being excess of income over expenditure for the year . . . . .</i>	. . . . .	- - -
<u>£7967</u>			<u>£6171 9 8</u>

MEMORIAL FUND

	£ s. d.
Bank charges	2 8
19 <i>Balance, being excess of income over expenditure for the year</i>	18 11 6
<u>£19</u>	<u>£18 14 2</u>

1 April 1959 R. K. HARRISON } Auditors
J. R. BUTLER }

JAMES H. TAYLOR, Hon. Treasurer

MINERALOGICAL
BALANCE SHEET AS AT
A. GENERAL

1957 £	LIABILITIES	£ s. d.	£ s. d.	£ s. d.
	Fund Account—			
	Balance per Balance Sheet at 31 December 1957	6967 17 6		
	Add Composition Fees received	135 0 0		
		7102 17 6		
	Less Depreciation on office furniture and equip- ment	93 3 6		
	Excess of expenditure over income for year ended 31 December 1958	445 2 4		
			538 5 10	
6968				6564 11 8
1478	Publications Fund			1477 13 9
	Subscriptions, &c., received in advance—			
	Members' subscriptions and entrance fees		100 13 5	
	Subscriptions to <i>Clay Minerals Bulletin</i>		15 0	
95			101 8 5	
	Sundry creditors—			
	Oxford University Press for Magazine No. 243 (estimated)		665 0 0	
	Colonna Press for reprinting Magazine No. 163		131 11 0	
	Royal Entomological Society for house expenses		40 4 3	
812	Editors for sundry editorial expenses		135 1 10	
			971 17 1	

£9353

£9115 10 11

B. MIERS

1957 £	LIABILITIES	£ s. d.	£ s. d.
	Fund Account—		
	Balance per Balance Sheet at 31 December 1957	573 12 5	
	Add Excess of income over expenditure for the year ended 31 December 1958	18 11 6	
574			592 3 11
<u>£574</u>			<u>£592 3 11</u>

SOCIETY

31 DECEMBER 1958

FUND

1957	£	ASSETS	£ s. d.	£ s. d.
		Office furniture and equipment—		
		Original cost	931 14 6	
		Less Depreciation	304 14 2	
364			627 0 4	
		Investments (at cost or as valued at 31 December 1951):		
		£2232. 9s. 3½ % War Stock 1952	1856 8 6	
		£753. 12s. 11d. 4 % Consolidated Stock 1957	694 4 9	
		£606. 4s. 6d. 4 % Funding Stock 1960-90	598 5 0	
		£250 3 % Savings Bonds 1960-70	216 17 6	
		£1013. 9s. 6d. 3 % Savings Bonds 1965-75	916 7 0	
		£100 3 % British Transport Stock 1978-88	77 0 0	
		£275 2½ % Consolidated Stock	169 2 6	
		£261. 12s. 6d. 3½ % Treasury Stock 1977-80	244 8 3	
		£1058. 9s. 11d. 4½ % British Electricity Stock 1967-69	1005 17 3	
5583			5778 10 9	
		Note:—The total market value of the above investments at 31 December 1958 was £4967. 15s. 10d.		
		Deposits—		
1914		Balance with Post Office Savings Bank	1756 14 4	
		Subscriptions, &c., in arrears—		
		Members' subscriptions	64 11 0	
		Subscriptions to <i>Clay Minerals Bulletin</i>	13 0 0	
51			77 11 0	
		Sundry debtors—		
		Authors for reprints from <i>Clay Minerals Bulletin</i>	25 5 0	
		Purchasers of <i>Clay Minerals Bulletin</i>	100 16 6	
43			126 1 6	
		Cash—		
		Coutts & Co., London	35 8 11	
		Barclays Bank, Harpenden	605 8 5	
		Cambridge & District Trustee Savings Bank	86 10 10	
		Cash in hand, London	20 0 0	
		" Harpenden	2 4 10	
1398			749 13 0	
<u>£9353</u>			<u>£9115 10 11</u>	

Note:—The value of the Society's library and stock of publications is not included in the above assets.

MEMORIAL FUND

			£ s. d.
		Investments (at cost)—	
440		£504. 17s. 4d. 3½ % War Stock 1952	439 7 0
		Note:—The total market value of the above investment at 31 December 1958 was £335. 14s. 9d.	
134		Cash—Coutts & Co., London	152 16 11
<u>£574</u>			<u>£592 3 11</u>

1 April 1959 R. K. HARRISON } Auditors JAMES H. TAYLOR, Hon. Treasurer
 J. R. BUTLER }

MINERALOGICAL SOCIETIES OF

MINERALOGICAL ABSTRACTS

INCOME AND EXPENDITURE ACCOUNT FOR THE THREE MONTHS ENDED 31 DECEMBER 1958

EXPENDITURE	£	s.	d.
Editor's Honorarium October–December 1958	100	0	0
Various notices relating to Abstracts	31	13	10
General editorial expenses	27	12	6
Printing <i>Instructions, Symbols, and Abbreviations</i>	59	18	0
	<u>£219</u>	<u>4</u>	<u>4</u>
INCOME			
Excess of expenditure over income for 3 months October–December 1958	£219	4	4
	<u><u>£219</u></u>	<u><u>4</u></u>	<u><u>4</u></u>

March 1959

 R. K. HARRISON }
 J. R. BUTLER } Auditors

JAMES H. TAYLOR, Hon. Treasurer

GREAT BRITAIN AND AMERICA

MINERALOGICAL ABSTRACTS

BALANCE SHEET AS AT 31 DECEMBER 1958

ASSETS	£	s.	d.
Office furniture and equipment (at cost)	51	19	11
Balance at Bank—Coutts & Co., London	772	16	5
	<hr/>		
	£824	16	4
	<hr/> <hr/>		
LIABILITIES			
Contribution from Mineralogical Society of Great Britain	500	0	0
Contribution from Mineralogical Society of America	500	0	0
	<hr/>		
	1000	0	0
<i>Less</i> Excess of expenditure over income for 3 months October–December 1958	219	4	4
	<hr/>		
	780	15	8
Subscriptions received in advance	44	0	8
	<hr/>		
	£824	16	4
	<hr/> <hr/>		