

PROCEEDINGS
OF THE
MINERALOGICAL SOCIETY
(1951)

EXCERPT MINUTES OF COUNCIL MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London, W., January 11, 1951, at 3.15 p.m.*

Prof. C. E. TILLEY, F.R.S., President, in the Chair.

THE following were provisionally elected Ordinary Members of the Society: Emile Zaghloal Basta, James Finch, Frank John Fitch, David Bailey Grigsby, William Davis Johns, Stanley Bert McCaleb, William John McCaughey, Allan Eric Pickles, Anantharama Parameswara Subramaniam.

The deaths of Prof. M. A. Peacock (Honorary Member), Prof. W. T. Gordon, and Dr. J. A. Watson were reported. The resignation of J. P. Roberts was accepted.

Reports were received from the Treasurer and the Editor, and from the Secretary of the Clay Minerals Group.

The Secretary raised the question of office accommodation and clerical assistant, and was asked to report, in consultation with the Treasurer, at the next meeting.

GENERAL MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London, W., January 11, 1951, at 5 p.m.*

Prof. C. E. TILLEY, F.R.S., President, in the Chair.

Forty-four Members and six Visitors were present.

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

The following exhibits were shown:

1. Crystals of analcime and baryte from the trachyte of Traprain Law, East Lothian: by Dr. S. I. Tomkeieff.

2. The use of a Laspeyres ocular lens in preference to the Berek compensator: by Dr. A. F. Hallimond.

3. Sections and colour photographs of artificial corundum, kyanite-staurolite intergrowth, and garnet: by Dr. Francis Jones.

The following papers were read and discussed:

1. 'Reichenbach' and 'Brezina' lamellae in meteoritic irons: by Dr. L. J. Spencer (vol. 29, p. 545).

2. Sedimentary inclusions in the hypersthene-gabbro, Ardnamurchan, Argyllshire: by Mr. M. K. Wells (vol. 29, p. 715).

3. Some data on synthetic aluminous and other pyroxenes: by Mr. E. R. Segnit.

4. The petrology of the evaporites of the Eskdale no. 2 boring, east Yorkshire. Part III. The upper evaporite bed: by Dr. F. H. Stewart (vol. 29, p. 557).

EXCERPT MINUTES OF COUNCIL MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London, W., March 8, 1951, at 3.15 p.m.*

Prof. C. E. TILLEY, F.R.S., President, in the Chair.

The following were provisionally elected Ordinary Members of the Society:

Frances Elizabeth Somerville Alexander, Gunnar Olof Assarsson, Reginald Bradshaw, George Malcolm Brown, John Michael Carr, John Gordon-Smith, Sripadrao Kilpady, Henry M. Mikami, Rolf B. Norin, Edward William Radoslovich, Geoffrey Robert Robson, Oscar Talibudeen, Stanislas Jean Teichner, Alfred Ernest Vann.

The deaths of Dr. M. B. Hodge and Mr. R. H. Worth were reported. The resignation of Dr. Malcolm MacGregor was accepted.

Reports were received from the Treasurer and the Editor. The Treasurer presented the accounts for 1950.

The list of Officers and Council for 1951-52 was considered. The following were due to retire: President, Prof. C. E. Tilley; Ordinary Members of Council, Dr. S. O. Agrell, Mr. H. G. Dines, Mr. G. S. Gowing, and Dr. S. I. Tomkeieff. The following new nominations were proposed: President, Dr. James Phemister; Ordinary Members of Council, Dr. C. F. Davidson, Dr. R. C. Mackenzie, Dr. G. R. Rigby, Prof. J. H. Taylor, and Dr. W. H. Taylor.

The President reported that Dr. O. F. Tuttle of the Geophysical Laboratory, Washington, D.C., was visiting this country in the early summer, and it was agreed to invite him to lecture to the Society at an extra meeting, to be followed by a discussion which Dr. W. H. Taylor would be asked to open.

GENERAL MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London, W., March 8, 1951, at 5 p.m.*

Prof. C. E. TILLEY, F.R.S., President, in the Chair

Sixty-five Members and nine 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. Villiaumite obtained from the trona of Lake Magadi, Kenya Colony: by Dr. W. Campbell Smith.
2. Mica crystals: by Mr. R. S. Mithal.

The following papers were read and discussed:

1. The surface structure of crystals: by Mr. A. F. Seager.
2. A new occurrence of uvarovite from northern Karelia in Finland: by Mr. O. von Knorring (vol. 29, p. 594).
3. The paragenesis of sylvine, carnallite, polyhalite, and kieserite in Eskdale borings nos. 3, 4, and 6, north-east Yorkshire: by Mr. G. A. Armstrong, Prof. K. C. Dunham, Mr. C. O. Harvey, Dr. P. A. Sabine, and Mr. W. F. Waters (vol. 29, p. 667).
4. An X-ray study of wadeite: by Mr. J. Shearer, Dr. E. T. Robinson, and Mr. J. T. Jefferies (communicated by Prof. R. T. Prider).
5. On the occurrence of bayldonite, stolzite, hydrocerussite, and other rare minerals in the Lake District: by Mr. A. W. G. Kingsbury and Mr. J. Hartley.

The following paper was taken as read:

Some physical properties of raw and calcined flint: by Mr. J. H. Weymouth and Dr. W. O. Williamson (vol. 29, p. 573).

SPECIAL GENERAL MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London, W., May 16, 1951, at 5 p.m.*

Prof. C. E. TILLEY, F.R.S., President, in the Chair.

Forty-two Members and seven Visitors were present.

Dr. O. F. Tuttle delivered a lecture: Studies in feldspar equilibria at the Geophysical Laboratory, Washington. (Abstract, vol. 29, p. 757.)

The discussion was opened by Dr. W. H. Taylor, followed by Dr. S. W. Bailey, Prof. R. B. Ferguson, and Mr. E. D. Lacey (vol. 29, p. 759).

A vote of thanks to the lecturer was proposed by Dr. W. Campbell Smith.

EXCERPT MINUTES OF COUNCIL MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London, W., June 7, 1951, at 3.15 p.m.*

Prof. C. E. TILLEY, F.R.S., President, in the Chair.

The following were provisionally elected Ordinary Members of the Society: Christopher Norman Barron, Olive Bradley, Cornelis Marinus Adrianus de Bruijn, Leslie Gordon Finch, Alfred Joseph Frueh, Julian Royce Goldsmith, Herbert Greene, Eberhardt William Heinrich, Douglas Cecil Henry, Charles Davis Jeffries, Lloyd Hugh Parker Jones, Rajendra Singh Mithal, Haydn Herbert Murray, Louis Laurens van Reijen, Thure Georg Sahama, George Joseph Snowball, Harry Francis West Taylor, Herbert William Harcourt West, W. Arthur White, Ronald Frederick Youell.

The death of Dr. Patrick Marshall was reported. The resignation of Major T. Pryor was accepted. The name of Mr. B. V. Iyengar was removed from the list of Members for non-payment of subscriptions.

Reports were received from the Treasurer and the Editor.

A report was received from the Treasurer and the Secretary on office accommodation, clerical assistance, and storage of the stock of the Magazine. Estimates were given, including the employment of a full-time clerk. To meet this extra cost and the increasing cost of printing the Magazine, they recommended that the annual subscription of members of the Society be increased from one guinea to two pounds, that the price of each number of the Magazine be increased to fifteen shillings,

and the annual subscription of non-members for four numbers be three pounds. After some discussion, on the proposal of Dr. S. O. Agrell, seconded by Mr. H. P. Rooksby, it was agreed to adopt the recommendations contained in the report. The Secretary was instructed to make the necessary arrangements for the alterations to the bye-laws to be put before the Anniversary Meeting in November, and to notify the publisher of the decision to increase the cost of the Magazine to non-members.

A sub-committee of the Officers and Vice-Presidents was appointed to consider whether an alteration was desirable in the scale of composition fees, and if so to incorporate the proposed new scale in the proposed alterations to the bye-laws.

The following dates for meetings in 1952 were approved, subject to confirmation by the Geological Society: Thursdays, January 24, March 27, June 12, and November 6.

GENERAL MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London, W., June 7, 1951, at 5 p.m.*

Prof. C. E. TILLEY, F.R.S., President, in the Chair.

Forty-three Members and seven Visitors were present.

The elections of twenty Ordinary Members, provisionally made by the Council, were confirmed.

The following exhibits were shown:

1. Chalcosine, covellite, and bornite from the Magnesian Limestone of Farnham, Yorkshire: by Mr. T. Deans.
2. Chalcosine nodules from the Torridonian of Sutherland: by Sir Lewis L. Fermor.

The following papers were read and discussed:

1. Taaffeite, a new beryllium mineral, found as a cut gemstone: by Mr. B. W. Anderson, Mr. C. J. Payne, and Dr. G. F. Claringbull (vol. 29, p. 765).
2. The amygdale minerals in the Tertiary lavas of Ireland. I. The distribution of chabazite habits and zeolites in the Garron plateau area, County Antrim: by Mr. G. P. L. Walker (vol. 29, p. 773).
3. Notes on the copper deposits of Middleton Tyas and Richmond, Yorkshire: by Mr. T. Deans.

4. Cataclastic pegmatites and calc-silicate skarns near Bunbeg, Co. Donegal: by Mr. E. H. T. Whitten (vol. 29, p. 737).

The following paper was taken as read:

On the occurrence of conichalcite and other minerals new and rare to Britain: by Mr. A. W. G. Kingsbury and Mr. J. Hartley.

EXCERPT MINUTES OF COUNCIL MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London, W., November 1, 1951, at 3.15 p.m.*

Prof. C. E. TILLEY, F.R.S., President, in the Chair.

The following were provisionally elected Ordinary Members of the Society: Joseph Meyer Axelrod, Percival Gerald Cooray, Michael Edward Cosgrove, Ronald Croasdale, John Michael Hallinan, Hassan Mahmoud Hamdi, Averill John Hammer, Gerhardus Meissner Koen, William Layton, Elburt Franklin Osborn, Adolf Pabst, John Weaver Pallister, Robert Michael Sumner Perrin, Robert S. Roth, Rustum Roy, Joan Margaret Tolliday, Orville Frank Tuttle.

The deaths of Dr. Alexander Scott (elected 1914) and Mr. W. C. Simmons were reported. The resignations of Mr. B. Lightfoot and Mr. C. O. Harvey were accepted. The name of Mr. T. C. James was removed from the list of Members for non-payment of subscriptions.

Reports were received from the Treasurer and the Editor, and from the Secretary of the Clay Minerals Group.

The sub-committee, appointed at the last meeting to consider a revision of the scale of composition fees in bye-law 5, recommended that £30, £20 (after payment of annual subscriptions for 15 years), and £10 (after 25 years) be increased to £45, £40, and £30 respectively. These were approved for incorporation in the new bye-law.

The Secretary reported on his approach to the Geological Society about the possibility of accommodation being provided for the Mineralogical Society for an office and for storage of publications. He had been informed that the House Committee of the Geological Society would recommend to the Council of that Society that the Officers' retiring room (now not used) and a store-room in the basement should be made available. Should a favourable reply be received from the Geological Society, the Secretary was instructed to proceed with the plan already approved by the Council and acquire the necessary office equipment.

Members of Council were asked to send to the Secretary the names and qualifications of persons they know and consider suitable to fill the office of Clerk to the Society, and a committee of the Officers was appointed to select and arrange the terms of appointment.

The Secretary also reported that he had informed the Publisher of the Council's decision to increase the cost of the Magazine to non-members of the Society to £3 as the annual subscription for four numbers, and 15s. for separate numbers. The Publisher suggested that separate numbers be priced at 17s. each, and this was approved by the Council.

The Secretary read the draft Annual Report of Council for 1950-51, and this with minor alterations was approved for presentation to the Society at the ensuing Anniversary Meeting.

Owing to pressure of other work, Mr. E. H. Beard intimated his desire to resign from the office of Honorary Treasurer on December 31, 1951, but, after discussion as to a possible successor, he kindly agreed to continue until a new Treasurer was appointed at the next meeting on January 24, 1952.

GENERAL (ANNIVERSARY) MEETING

*Held in the Apartments of the Geological Society, Burlington House,
London, W., November 1, 1951, at 5 p.m.*

Prof. C. E. TILLEY, F.R.S., President, in the Chair.

Forty-nine Members and five Visitors were present.

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

Due notice having been given of the proposal of the Council to alter bye-law 5 to read as follows:

Ordinary members shall pay an entrance fee of £1 and an annual subscription of £2. They shall be entitled to compound for the annual subscription by a single payment of £45, but members who have paid their annual subscriptions for fifteen years shall be entitled to compound for £40, and those who have paid such subscriptions for twenty-five years shall be entitled to compound for £30, provided always that no member shall be entitled to compound who is in arrear for the preceding calendar year.

The President proposed from the Chair that the revised bye-law be adopted. There being no discussion, the motion was put to the vote and carried *nem. con.*

The General Secretary read the following:

ANNUAL REPORT OF THE COUNCIL FOR 1950-51

Membership.—The total membership on October 31, 1951, was 544 against 475 on October 31, 1950. Eighty-three new members have been elected during the year, four members have resigned, and the names of two members have been removed on account of arrears of subscription. The Society has lost by death one Honorary Member (Prof. M. A. Peacock) and 7 Ordinary Members. On October 31, 1951, the membership consisted of 8 Honorary Members and 536 Ordinary Members, of whom 78 are Life Members.

Meetings.—The total attendance at the four general meetings held during the session 1950-51 was 210 members and 30 guests, giving an average of 60 per meeting. At these meetings 17 papers have been read, 4 have been taken as read, and 9 exhibits have been shown. A special lecture and discussion on feldspar equilibria was attended by 42 members and 7 guests.

Clay Minerals Group.—The membership of the Group now numbers 191 and there are 42 subscribers (151 and 46 in 1950). The Group held two series of meetings during the year, one in London and the other at Rothamsted Experimental Station, Harpenden, Herts. One number of the *Clay Minerals Bulletin* (no. 5) has been issued during the year.

Publications.—Four numbers of the *Mineralogical Magazine* (nos. 211-214) have been issued during the year containing the Proceedings in 13 pages, 36 papers in 501 pages with 26 plates and 121 text-figures, and 579 abstracts in 176 pages. Number 211 was the Editorial Jubilee number.

Editorial Jubilee Celebrations.—In October 1950 Dr. L. J. Spencer completed fifty years as Editor of the *Mineralogical Magazine*. Celebration of this event fell in the period of the present report. A dinner and presentation to Dr. Spencer took place after the anniversary meeting on November 2, 1950, and was attended by 85 members and guests. A special Editorial Jubilee number of the *Mineralogical Magazine* (no. 211, December 1950) contained a portrait and account of Dr. Spencer's work at the British Museum (Natural History), and 15 specially contributed papers by his friends and colleagues.

Financial.—The accounts for the calendar year 1950, published in the June (1951) number of the Magazine, show an excess of assets (exclusive of the stock of the Magazine and the Society's other effects) over liabilities of £5228. 15s. 4d., against £4654. 10s. 1d. at the close of 1949. The value of the securities standing in the name of the Custodian Trustees was on December 31, 1950: General Reserve £2840, Miers Memorial Fund £435.

The balances standing to the credit of the General Purposes Account at the close of 1950 amounted to £2506. 4s. 8d. against £1618. 7s. 3d. for 1949, and that standing to the credit of the Miers Memorial Fund £43. 0s. 2d. against £29. 19s. 2d. The outstanding liabilities at the close of 1950 amounted to £465 10s. 5d., against £321. 10s. 8d. at the close of 1949.

The receipts from entrance fees and annual subscriptions have continued to be satisfactory, but the Society has been faced in recent years with heavy and increasing liabilities, so much so that it now seems advisable to increase the membership subscription. The receipts from the Society's publisher for sales of the *Mineralogical Magazine* during the year April 1, 1950, to March 31, 1951, were £1049. 14s. 7d.

against £1068. 18s. 3d. for the previous year. The net receipts from sales by the Custodian of the stock of the Magazine in 1950 totalled £50. 7s. 9d. against £154. 19s. 5d. in 1949. Sales from this source from January 1 to October 31, 1951, were £97. 18s. 6d.

The expenditure on the four numbers (nos. 208–211) due for issue in 1950 was £1535. 8s. 3d., exceeding by £262. 8s. 0d. the cost of the previous four numbers, which in turn exceeded by £318. 9s. 11d. the cost of the four numbers (nos. 200–203) due for issue in 1948. The Editorial Jubilee number of the Society (no. 211), including authors' separates, cost £555. 1s. 10d. Three numbers have been issued since the beginning of the current year, two of which (nos. 212–213) have cost a total of £820. 4s. 4d., inclusive of authors' separates. The estimated cost of the four numbers which are due to be issued in 1951 is expected to exceed £1500. The actual outgoings on the Magazine in 1950 totalled £959. 3s. 5d. against £1020. 8s. 6d. in 1949, in each case the payment being for three numbers only.

Income received from the Clay Minerals Group in 1950 amounted to £51. 14s. 5d., of which £29. 4s. 5d. represented sales of reprints of nos. 1–3 of the *Clay Minerals Bulletin*. During the present year the Group has published a monograph on 'X-ray identification and crystal structures of clay minerals', the cost of which was £968. 18s. 3d., much more than originally anticipated. Orders have so far been good, amounting to more than £700. The Royal Society grant of £250 received in 1948 for the purpose of producing this work has now been expended.

The Society in 1950 received through the Royal Society a grant of £50 from the Parliamentary Grant-in-aid for Scientific Publications; it also received a bequest of £150 from the late F. N. Ashcroft's estate. During the current year the Society has received a grant of £200 from the Royal Society.

Composition Fees totaling £20 were received during 1950, and so far this year the receipts have amounted to £40. No stock was purchased in 1949.

The balances at Bankers and in the Post Office Savings Bank on October 31 were: General Purposes Account £1843. 15s. 5d., Miers Memorial Fund £56. 1s. 2d., Composition Fees (Investment) Account £137. 3s. 6d.

On the proposal of Dr. R. W. Pocock, seconded by Mr. J. E. T. Horne, the adoption of the Annual Report of the Council was carried unanimously.

A vote of thanks to the Geological Society for the use of its apartments, proposed by Mr. T. Deans and seconded by Dr. G. W. Brindley, was carried with acclamation.

The President read the following list of Officers and Council elected for the session 1951–52 in accordance with bye-law 20:

President. Dr. James Phemister, M.A., D.Sc., F.R.S.E., F.G.S.

Vice-Presidents. Dr. A. F. Hallimond, M.A., Sc.D., F.G.S.; Dr. S. J. Shand, D.Sc., Ph.D., F.G.S.

Treasurer. Mr. E. H. Beard, B.Sc.

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

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

Editor of the Journal. Dr. L. J. Spencer, C.B.E., M.A., Sc.D., F.R.S.

Ordinary Members of Council

Dr. F. A. Bannister, M.A., Sc.D., F.Inst.P.	Dr. C. F. Davidson, D.Sc., F.R.S.E., F.G.S.
Mr. H. M. Powell, M.A., B.Sc.	Dr. R. C. Mackenzie, B.Sc., Ph.D.
Mr. H. P. Rooksby, B.Sc., F.Inst.P.	Dr. G. R. Rigby, B.Sc., Ph.D., D.I.C., A.R.I.C.
G. E. Howling, B.Sc.	Prof. J. H. Taylor, M.A., B.Sc., Ph.D., F.G.S.
Dr. P. A. Sabine, Ph.D., A.R.C.S., F.G.S.	Dr. W. H. Taylor, Ph.D., D.Sc., F.Inst.P.
Dr. F. H. Stewart, B.Sc., Ph.D., F.G.S.	
Dr. A. K. Wells, D.Sc., F.G.S.	

In accordance with bye-law 11, the following past-Presidents are also members of the Council:

Sir Arthur Russell, Bart., M.B.E.

Dr. W. Campbell Smith, C.B.E., M.C., T.D., M.A., Sc.D., F.G.S.

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

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

The Managing Trustees, Dr. W. Campbell Smith and Prof. C. E. Tilley, are ex officio members of the Council in accordance with bye-law 11.

The retiring President, Prof. C. E. Tilley, in welcoming Dr. J. Phemister to the Chair, thanked the Officers of the Society for their help during his period of office, and expressed the hope that Dr. Phemister's presidency would be a happy one.

Dr. Phemister, in reply, thanked the Society for his election and expressed his appreciation of Prof. Tilley's guidance of the Society during the past three years. He then proposed a vote of thanks to the retiring President and Ordinary Members of Council, which was carried with acclamation.

The following exhibits were shown:

1. Dalyite ($K_2ZrSi_6O_{15}$), a new mineral from Ascension Island, Atlantic: by Prof. C. E. Tilley on behalf of Dr. R. Van Tassel (vol. 29, p. 850).

2. Silica-glass from a crater in the western Sahara: by Dr. W. Campbell Smith on behalf of Prof. T. Monod (M.A. 11-447).

3. Adamite from Ojuella mine, Mapimi, Durango, Mexico: by the Department of Mineralogy, British Museum (Natural History) on behalf of Mr. D. E. Mayers.

The following papers were read and discussed:

1. On the occurrence of varlamoffite (partially hydrated stannic oxide) in Cornwall: by Sir Arthur Russell and Dr. E. A. Vincent (vol. 29, p. 817).

2. A note on the occurrence of columbite in the Meldon aplite, Devonshire: by Mr. O. von Knorring (vol. 29, p. 799).

3. X-ray investigation of bredigite: by Mrs. A. M. B. Douglas (vol. 29, p. 875).
4. The melilite group of minerals: by Dr. H. G. Midgley.
5. The ledmorite dike of Achmelvich, near Lochinver, Sutherland: by Dr. P. A. Sabine (vol. 29, p. 827).

The following papers were taken as read:

1. On crossite from Anglesey: by Dr. N. Holgate (vol. 29, p. 792).
 1. The 'superposition error' in the micrometric analysis of rocks: by Dr. R. B. Elliott (vol. 29, p. 833).
-

MINERALOGICAL

ABSTRACT OF RECEIPTS AND PAYMENTS

		RECEIPTS		GENERAL PUR-	
		£	s. d.	£	s. d.
By Balances brought in from 1950—					
1.	At Bankers on Current Account	938	11 4		
2.	In Post Office Savings Bank	1567	11 4		
3.	In Office	0	2 0		
				2500	4 8
Entrance Fees					
				68	1 0
Annual Subscriptions—					
1.	Current year	395	19 0		
2.	Arrears	38	17 0		
3.	Advance	33	14 0		
				468	10 0
Sale of Publications—					
(a) <i>Mineralogical Magazine</i> :					
1.	By Publisher, April 1, 1950–March 31, 1951. Sales at subscription rate and other sales, together with advertisement fees, less trade discount and commission and distribution charges			1049	14 7
2.	By Custodian of Stock, 1951, £163. 18s. 6d., less distribution costs £6. 16s. 3d. and cost of second-hand copies purchased £35			122	2 3
(b) <i>Clay Minerals Monograph</i> :					
	By Custodian of Stock, 1951 (including postage recovered) £576. 12s. 1d., less distribution and other costs, viz. £14. 11s. 10d. postage, £16. 17s. 9d. cardboard cartons, and £12. 10s. 0d. advertisement fees			532	12 6
Interest on Investments, including Income Tax recovered—					
1.	£1685 3½% War Loan, 1952 and after	58	19 6		
2.	£105 4% Consolidated Loan, 1957	4	4 0		
3.	£100 4% Funding Loan, 1960–90	4	0 0		
4.	£146. 10s. 0d. 3% War Loan, 1955–59	4	7 8		
5.	£255 3% Defence Bonds	7	13 0		
6.	£250 3% Savings Bonds, 1960–70	7	10 0		
7.	£100 3% Savings Bonds, 1965–75	3	0 0		
8.	£275 2½% Consolidated Stock	4	5 6		
9.	£100 3% British Transport Stock, 1978–88	1	12 3		
				95	11 11
Interest on Post Office Savings Bank deposit					
				31	17 8
Transfer from Miers Memorial Fund					
				28	19 9
Donation, Royal Society (Parliamentary Publications Grant)					
				200	0 0
Clay Minerals Group—					
Notices to non-members:					
1.	Current	10	14 6		
2.	Arrears	1	17 6		
3.	Advance	0	15 0		
				13	7 0
Sales of <i>Clay Minerals Bulletin</i> , nos. 1 and 2					
		5	12 6		
		1	17 6		
		1	17 6		
		0	15 0		
				10	2 6
Small Receipts					
				1	6 9
Sundry unidentified Receipts					
				3	1 0
				£5131	11 7

SOCIETY

FOR THE YEAR ENDING DECEMBER 31, 1951

POSES ACCOUNT

PAYMENTS		£	s.	d.	£	s.	d.
To Printing and distributing the <i>Mineralogical Magazine</i> , nos. 210-213 (Oxford University Press)—							
1. Printing		1309	0	2			
2. Illustrations		195	2	8*			
3. Authors' Separate Copies		128	9	8			
4. Distribution Charges		39	4	8			
					1671	17	2
5. Special Reprints					21	11	3
* Including £28. 19s. 9d. for colotype frontispiece for no. 211, the cost of which was defrayed from the Miers Memorial Fund.							
Printing the <i>Clay Minerals Monograph</i> (Taylor and Francis, Ltd.)—							
1. Printing		855	12	0			
2. Illustrations		77	8	9			
3. Authors' Separate Copies		35	17	6			
					968	18	3
Miscellaneous Printing, not annual					45	7	2
Printing and distributing Notices of Meetings and other annual printing					58	7	9
Expenses at Meetings—							
1. Operator of Lantern		4	0	0			
2. Porter		4	15	0			
3. Tea		3	15	3			
					12	10	3
Editor's Honorarium for 1950					50	0	0
Bank Charges, Exchange Losses, and other small items					1	9	8
Clerical Assistance to the Honorary Officers					69	5	6
Postage—							
1. Hon. Secretary		7	8	5			
2. Hon. Treasurer		7	16	5			
					15	4	10
Office Equipment and Repairs					9	8	2
Clay Minerals Group (Printing and publishing)—							
1. Printing the <i>Clay Minerals Bulletin</i> (A. Walker & Son), nos. 1 and 2		51	0	0			
2. " " " " " " " " no. 4		34	10	0			
3. " " " " " " " " no. 5		36	17	0			
4. " " " " " " " " no. 6		36	15	7			
					159	2	7
Balance of Expenses for 1950		10	12	10			
Operator of Lantern, November Meeting		1	10	0			
Porter, November Meeting		1	0	0			
					13	2	10
Payment made to A. Walker & Son, and held to the Society's credit					36	17	0
Balances, December 31, 1951—							
1. At Bankers on Current Account		890	13	8			
2. In Post Office Savings Bank		1099	9	0			
3. In Office		8	6	6			
					1998	9	2
					£5131	11	7

Examined and compared with Vouchers and found correct.

March 18, 1952.

P. M. GAME }
R. D. SHRIMPTON } Auditors.

E. H. BEARD, Hon. Treasurer.

MIERS MEMORIAL FUND, YEAR

RECEIPTS		£	s.	d.
By Balance brought in from 1950—				
At Bankers on Current Account		43	0	2
Interest on Investments, including Income Tax recovered		13	1	0
		<hr/>		
		£56	1	2
		<hr/> <hr/>		

COMPOSITION FEES (INVESTMENTS) ACCOUNT,

RECEIPTS		£	s.	d.
By Balance brought in from 1950—				
At Bankers on Current Account		97	3	6
Composition Fees received during the year		84	16	7
		<hr/>		
		£182	0	1
		<hr/> <hr/>		

Note:—The total sum received as Composition Fees, of which £182. 0s. 1d. was then uninvested, was on December 31, 1951, £2001 11s. 7d.

BALANCE

DECEMBER

LIABILITIES		£	s.	d.	£	s.	d.
To General Funds:							
Annual Subscriptions received in advance—							
Received in 1951 for 1952		33	14	0			
Received in 1950 for 1952		3	3	0			
Received in 1950 for 1953		1	1	0			
Received in 1948 for 1952		1	1	0			
		<hr/>					
					38	19	0
Sundry Creditors—							
1. Oxford University Press (Printers), for <i>Mineralogical Magazine</i> , no. 214					523	18	6
2. Jackson, Ruston and Keelson, Ltd., for miscellaneous printing					7	17	6
3. Hill and Noyes, Ltd., for office equipment					24	10	6
4. Clay Minerals Group, Outstanding expenses for 1951					20	9	9
Editor's Honorarium for 1951					50	0	0
Suspense Account					3	1	0

Excess of Assets over Liabilities at December 31, 1951—

Miers Memorial Fund	462	1	5			
General Fund	4660	0	2			
	<hr/>					
				5122	1	7
				<hr/> <hr/>		
				£5790	17	10

ENDING DECEMBER 31, 1951

PAYMENTS		£	s.	d.
To Balance, December 31, 1951—				
Provision of plate in no. 211		28	19	9
At Bankers on Current Account		27	1	5
		<hr/>		
		£56	1	2
Examined and compared with Vouchers and found correct.				
March 18, 1952	P. M. GAME R. D. SHRIMPTON	} Auditors.		E. H. BEARD, Hon. Treasurer.

YEAR ENDING DECEMBER 31, 1951

PAYMENTS		£	s.	d.
To Balance, December 31, 1951—				
At Bankers on Current Account		152	0	1
In transit to Bankers		30	0	0
		<hr/>		
		£182	0	1
March 18, 1952.				
	P. M. GAME R. D. SHRIMPTON	} Auditors.		E. H. BEARD, Hon. Treasurer.

SHEET

31, 1951

ASSETS		£	s.	d.	£	s.	d.
By General Funds:							
Investments at Broker's Valuation—							
1. £1685 3¼% War Loan, 1952 and after, at 80¼%		1356	8	6			
2. £105 4% Consolidated Loan, 1957, at 89¼% ex div.		94	4	9			
3. £100 4% Funding Loan, 1960-90, at 98¼%		98	5	0			
4. £146. 10s. 0d. 3% War Loan, 1955-59, at 100¼%		146	17	3			
5. £255 3% Defence Bonds, at par		255	0	0			
6. £250 3% Savings Bonds, 1960-70, at 86¼%		216	17	6			
7. £100 3% Savings Bonds, 1965-75, at 83¼%		83	15	0			
8. £275 2¼% Consolidated Stock, at 61¼%		169	2	6			
9. £100 3% British Transport Stock, 1978-88, at 77%		77	0	0			
		<hr/>			2497	10	6
Sundry Debtors—							
Oxford University Press (Publishers):							
(a) For sale of publications, April 1-December 31, 1951		555	19	0			
(b) For Advertisement Fees, nos. 212-214		33	16	8			
		<hr/>			589	15	8
A. Walker & Son (Printers of the <i>Clay Minerals Bulletin</i>):							
Outstanding credit					36	17	0
Entrance Fees in Arrear					4	4	0
Annual Subscriptions in Arrear (£39. 18s. 0d.), estimated to realize					20	0	0
Balances—							
1. At Bankers on Current Account		1072	13	9*			
2. In Post Office Savings Bank		1099	9	0			
3. In Office		8	6	6			
		<hr/>			2180	9	3
* Including £182. 0s. 1d. being uninvested balance standing to the credit of the Composition Fees (Investment) Account.							
Special Funds:							
Miers Memorial Fund—							
Investment at Broker's valuation—							
£435 3% Defence Bonds, at par		435	0	0			
Balance at Bankers		27	1	5			
		<hr/>			462	1	5

Note: The value of the Society's Library, stock of Publications, office equipment, and other effects are not included in the above Assets.

£5790 17 10

March 18, 1952. P. M. GAME } Auditors. E. H. BEARD, Hon. Treasurer.
R. D. SHRIMPTON }