

PROCEEDINGS  
OF THE  
MINERALOGICAL SOCIETY  
(1954)

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EXCERPT MINUTES OF COUNCIL MEETING

*Held in the Apartments of the Geological Society, Burlington House,  
London, W., January 28, 1954, at 3 p.m.*

Dr. JAMES PHEMISTER, President, in the Chair.

PROF. William Noel Benson and Dr. Norman Levi Bowen were proposed as Honorary Members.

The following were provisionally elected Ordinary Members of the Society: Louis Herman Ahrens, Ronald James Arnott, Gerard Auguste Bourbeau, Sabihuddin Ahmed Bilgrami, Ian Stuart Edward Carmichael, George Eveleigh Davies, Dennis James Greenland, John Trevor Green-smith, Karl Jasmund, Edward Charles Jonas, Gunnar Kullerud, Alfred Allinson Moss, James Desmond Caldwell McConnell, Adusumilli Bhaskara Rao, Eileen Rosemary Sylvester Shaw, Edward Drummond Taylor, James Taylor.

The resignation of Mr. T. M. W. Strong was accepted.

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

Sir Arthur Russell very kindly offered to entertain the Society at a Garden Party at Swallowfield Park during the summer, and this was fixed for June 12, 1954.

GENERAL MEETING

*Held in the Apartments of the Geological Society, Burlington House,  
London, W., January 28, 1954, at 5 p.m.*

Dr. JAMES PHEMISTER, President, in the Chair.

Forty-seven Members and seven Visitors were present.

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

The following exhibits were shown:

1. Beudantite from Cumberland: by Mr. A. W. G. Kingsbury.
2. A binocular microscope adapted for large specimens: by Mr. A. W. G. Kingsbury.
3. An electrically-rotated analyser for the polarizing microscope: by Dr. A. T. J. Dollar.

The following papers were read and discussed:

1. The structures of the plagioclase feldspars. V. The heat-treatment of lime-rich plagioclases: by Dr. P. Gay (vol. 30, p. 428).
2. Investigation of the crystal structure of antigorite from Mikonui, New Zealand: by Dr. J. Zussman (vol. 30, p. 498).
3. The identity of jurupaite and xonotlite: by Dr. H. F. W. Taylor (vol. 30, p. 338).
4. Veatchite from the Permian evaporites of Yorkshire: by Dr. F. H. Stewart, Mr. R. A. Chalmers, and Mr. R. Phillips (vol. 30, p. 389).

The following paper was taken as read:

1. The orthoclase-microcline inversion: by Dr. W. S. MacKenzie (vol. 30, p. 354).

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#### EXCERPT MINUTES OF COUNCIL MEETING

*Held in the Apartments of the Geological Society, Burlington House,  
London, W., March 25, 1954, at 3 p.m.*

Dr. JAMES PHEMISTER, President, in the Chair.

The following were provisionally elected Ordinary Members of the Society: Khorshid Mohammed Al Naqib, Christine Hilary Kelsey, Nigel Wilson Kennedy, Emil Lehmann, Mary Emma Mrose, Atma Ram, Leo Richard Raymond, Norman John Snelling, Eric Helmut Steger, Joe Lloyd White.

The deaths of Prof. G. M. Cardoso and Mr. R. C. Spiller were reported.

The resignations of Mr. M. E. Cosgrove and Sir James Walton were accepted.

The names of M. S. Amin, A. Dutt, C. Jukes, and D. F. Livingstone were removed from the list of members for non-payment of subscriptions.

Reports were received from the Treasurer and the Editor, and from the Clay Minerals Group. The Treasurer presented the audited accounts for 1953, which were approved (pp. lviii-lxi).

Nominations for election to the Council were considered. The following were due to retire: President, Dr. J. Phemister; Ordinary Members of Council, Dr. C. F. Davidson, Dr. G. R. Rigby, Dr. W. H. Taylor, and Dr. R. C. Mackenzie. The following were proposed for election at the Anniversary Meeting in November 1954: President, Prof. L. Hawkes; Ordinary Members of Council, Mr. S. H. U. Bowie, Prof. W. A. Deer, Mr. B. W. Anderson, and Dr. E. A. Vincent.

### GENERAL MEETING

*Held in the Apartments of the Geological Society, Burlington House,  
London, W., March 25, 1954, at 5 p.m.*

Dr. JAMES PHEMISTER, President, in the Chair.

Forty-one Members and five Visitors were present.

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

The nominations made by the Council at the January meeting of Prof. W. N. Benson and Dr. N. L. Bowen as Honorary Members were confirmed.

The following exhibits were shown:

1. A modification of the Dollar integrating micrometer for point counting: by Dr. A. T. J. Dollar.
2. A mechanical stage with spiral motion for use with the petrological microscope: by Dr. A. T. J. Dollar.

The following papers were read and discussed:

1. Bassetite and uranospathite: by Prof. C. Frondel (vol. 30, p. 343).
2. Manganese amphiboles from Sitasongji mine, Bhandara district, India: by Mr. S. A. Bilgrami.
3. Transitional optics of some intermediate plagioclase feldspars: by Dr. I. D. Muir (vol. 30, p. 545).

The following papers were taken as read:

1. Zoned plagioclases in layered gabbros of the Skaergaard intrusion, east Greenland: by Dr. J. M. Carr (vol. 30, p. 367).
2. An occurrence of a regular mixed-layer clay-mineral: by Mr. H. Heystek (vol. 30, p. 400).
3. Two arfvedsonitic rhyolite intrusions from Cloghaneely, Co. Donegal: by Dr. E. H. T. Whitten (vol. 30, p. 393).

## EXCERPT MINUTES OF COUNCIL MEETING

*Held in the Apartments of the Geological Society, Burlington House,  
London, W., June 10, 1954, at 3.15 p.m.*

Dr. JAMES PHEMISTER, President, in the Chair.

The following were provisionally elected Ordinary Members of the Society: George Purves Black, Patrick James Sherwood Byrne, Simonne Anne Marie Caillère, Charles Fitzroy Griffith, John Cummins Hathaway, Easton Trowbridge Kelsey, Walter Clayton Ormsby, Joseph Victor Smith, Willard Holmes Sutton.

The deaths of Dr. Alfred Brammall and Sir Lewis L. Fermor were reported.

The name of K. E. Seal was removed from the list of members for non-payment of subscriptions.

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

The following dates for meetings in 1955 were agreed, subject to approval by the Council of the Geological Society: Thursdays, January 27, March 24, June 9, and November 3.

The General Secretary was appointed to represent the Society on the British National Committee for Crystallography.

Exchange of publications with the Russian Mineralogical Society was approved.

## GENERAL MEETING

*Held in the Apartments of the Geological Society, Burlington House,  
London, W., June 10, 1954, at 5 p.m.*

Dr. JAMES PHEMISTER, President, in the Chair.

Forty-eight Members and seven Visitors were present.

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

The following exhibit was shown:

A polaroid accessory for the microscopic determination of extinction angles: by Dr. A. T. J. Dollar.

The following papers were read and discussed:

1. Truscottite: by Dr. A. L. Mackay and Dr. H. F. W. Taylor (vol. 30, p. 450).

2. Direct measurement of reflecting powers with the microphotometer: by Dr. A. F. Hallimond.

3. A note on the relationship between the precision of classical methods of rock analyses and the concentration of each constituent: by Dr. L. H. Ahrens (vol. 30, p. 467).

4. A further note on the presentation of chemical analyses of minerals: by Dr. M. H. Hey (vol. 30, p. 481).

The following papers were taken as read:

1. An occurrence of palygorskite in the Shetland Isles: by Dr. I. Stephen (vol. 30, p. 471).

2. On the occurrence of the rare copper molybdate, lindgrenite, at Brandy Gill, Caldbeck Fell, Cumberland: by Mr. A. W. G. Kingsbury and Mr. J. Hartley.

3. New occurrences of vanadium minerals (mottramite, descloizite, and vanadinite) in the Caldbeck area of Cumberland: by Mr. A. W. G. Kingsbury and Mr. J. Hartley.

4. Determination of the composition of natural nephelines by an X-ray method: by Dr. J. V. Smith and Prof. Th. G. Sahama (vol. 30, p. 439).

5. Zoisite-amphibolite with corundum from Tanganyika: by Mr. P. M. Game (vol. 30, p. 458).

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## EXCERPT MINUTES OF COUNCIL MEETING

*Held in the Apartments of the Geological Society, Burlington House,  
London, W., November 4, 1954, at 3 p.m.*

Dr. JAMES PHEMISTER, President, in the Chair.

The following were provisionally elected Ordinary Members of the Society: Joseph Bolfa, Norman Edward Butcher, Ian Hubert Ford, Michael John Gallagher, Francisco Gonzalez Garcia, Jeffrey Goodyear, Ronald Gordon Greene-Kelly, James Douglas Peacock, Michael John Purton, Felix Gustav Singer, and Robert Denzil Stevens.

The deaths of Col. Jean Paul Louis Vésignié, Dr. Harold Rigby Samson, and Lady R. W. MacRobert were reported.

The following resignations were accepted: Dr. F. H. Day and Mr. E. W. Radoslovich.

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

Mr. L. A. A. Thomas and Mr. J. E. T. Horne were appointed auditors of the Society's accounts for the year ending December 31, 1954.

Prof. C. E. Tilley and Dr. W. Campbell Smith were reappointed Managing Trustees of the Society for a further period of five years.

In the absence of the Secretary through illness, the Treasurer read the draft Annual Report of Council for the session 1953-54. After minor amendment, this was approved for presentation to the Society at the ensuing Anniversary Meeting.

### GENERAL (ANNIVERSARY) MEETING

*Held in the Apartments of the Geological Society, Burlington House,  
London, W., November 4, 1954, at 5 p.m.*

Dr. JAMES PHEMISTER, President, in the Chair.

Sixty-five Members and eleven Visitors were present.

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

The Treasurer read the following:

#### ANNUAL REPORT OF THE COUNCIL FOR 1953-54

*Membership.*—The total membership on October 31, 1954, was 603, against 576 on October 31, 1953. Forty-six new members have been elected during the year, seven members have resigned, and the names of six members have been removed on account of arrears of subscription. The Society has lost by death five Ordinary Members and one Honorary Member, Dr. F. E. Wright. On October 31, 1954, the membership consisted of eight Honorary Members and 595 Ordinary Members, of whom 65 are Life Members.

*Meetings.*—The total attendance at the four general meetings held during the session 1953-54 was 214 members and 26 guests, giving an average of 60 per meeting. At these meetings 16 papers have been read; 9 have been taken as read, and 10 exhibits have been shown.

*Publications.*—Four numbers of the *Mineralogical Magazine* (nos. 223-226) have been issued during the year, containing the proceedings in 12 pages (no. 225), 27 papers in 268 pages with 3 plates and 78 text-figures, and 701 abstracts in 220 pages. Progress has been made in reprinting back numbers of the Magazine.

*Financial.*—The accounts for the calendar year 1953 are published in the June (1954) number of the Magazine. The inclusion in these accounts of the corresponding figures (to the nearest £) for 1952 enables members to compare the Society's financial position at the close of 1953 with that obtaining a year previously. The excess of assets (exclusive of the value of the Society's library and stock of publica-

tions) at December 31, 1953, was £6107. 9s. 11d., against £6699. 14s. 10d. at the close of 1952.

During 1953 the Society's expenditure from the General Fund exceeded income by £611. 13s. 9d. This was largely due to the cost of reprinting 23 numbers of the *Mineralogical Magazine*, and also to reduced receipts from sales of the Clay Minerals Monograph and of back numbers of the Magazine. Stocks of a further 15 numbers of the Magazine are approaching exhaustion, and these will need to be reprinted in the near future.

Three numbers of the *Mineralogical Magazine* have been issued since the beginning of the current year, two of which have cost a total of £822. 10s. 1d. (inclusive of authors' reprints). The Society has received in 1954 £750 through the Royal Society from the Parliamentary Grant-in-aid for Scientific Publications.

The balances at Bankers and in the Post Office Savings Bank on October 31, 1954, were: General Fund £5118. 13s. 10d., Miers Memorial Fund £70. 19s. 10d.

*Clay Minerals Group.*—On October 31, 1954, the Group had 243 full members and 137 subscribers to the *Clay Minerals Bulletin* (217 and 98 in 1953). One meeting was held in London in November 1953 at which 9 papers were read; 50 members and guests attended. The Group collaborated with the French *Groupe des Argiles* in arranging a meeting in Paris, under the auspices of the *Comité International pour l'étude des Argiles*, at the time of the International Crystallographic Congress in July, 1954; in view of this the usual April meeting of the Group was cancelled.

Two numbers of the *Clay Minerals Bulletin* (nos. 10 and 11) appeared during the year; they contained 11 papers in 64 pages. Stocks of nos. 4, 5, 6, 7, and 9 were exhausted and 250 copies of each were reprinted. During the year a small booklet entitled *A glossary of clay trade names*, compiled by Mr. R. H. S. Robertson, was published.

The Council approved the plans for the publication of a volume dealing with *The differential thermal investigation of clays*, to be a companion volume to *The X-ray identification and crystal structures of clay minerals*. This volume is now in the first draft stage.

On the proposal of Dr. A. K. Wells, 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 was proposed by Dr. P. A. Sabine, seconded by Mr. A. Jobbins, and carried with acclamation.

The President read the following list of Officers and Council elected for the session 1954-55 in accordance with bye-law 20:

*President:* Prof. L. Hawkes, D.Sc., F.R.S.

*Vice-Presidents:* Dr. F. A. Bannister, M.A., Sc.D., F.Inst.P.;

Dr. F. Dixey, C.M.G., O.B.E., D.Sc., M.I.M.M., 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., 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:*

|   |  |
|---|--|
| Mr. B. W. Anderson, B.Sc., F.C.S.                           | Dr. A. G. MacGregor, M.C., D.Sc.,<br>F.R.S.E., F.G.S.      |
| Mr. S. H. U. Bowie, B.Sc.                                   | Dr. S. R. Nockolds, B.Sc., Ph.D., F.G.S.                   |
| Mr. T. Deans, M.A., F.G.S.                                  | Dr. F. C. Phillips, M.A., Ph.D., F.G.S.                    |
| Prof. W. A. Deer, M.Sc., Ph.D., F.G.S.                      | Mr. L. A. A. Thomas, B.Sc., F.Inst.P.                      |
| Prof. K. C. Dunham, D.Sc., Ph.D., S.D.,<br>M.I.M.M., F.G.S. | Dr. E. A. Vincent, M.A., B.Sc., Ph.D.,<br>A.R.I.C., F.G.S. |
| Mr. P. M. Game, B.Sc., F.R.G.S.                             | Dr. M. K. Wells, M.Sc., Ph.D., F.G.S.                      |

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

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

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.

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, Dr. J. Phemister, in welcoming Prof. L. Hawkes to the Chair, thanked the Officers of the Society for their help during his period of office, and expressed the hope that Prof. Hawkes's Presidency would be a happy one.

Prof. L. Hawkes, in reply, thanked the Society for his election and expressed appreciation of Dr. J. Phemister'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 exhibit was shown:

A selenium-cell photometer for measuring the reflectivity of minerals in polished section: by Mr. S. H. U. Bowie.

The following papers were read and discussed:

1. The determination of composition and thermal history of plagioclase by the X-ray powder method: by Dr. J. Goodyear and Mr. W. J. Duffin (vol. 30, p. 648).

2. A note on albite twinning in plagioclase feldspars: by Dr. P. Gay.

3. Experimental and theoretical studies of the mica polymorphs: by Dr. J. V. Smith and Dr. H. S. Yoder, Jr.

4. The hydration of larnite ( $\beta$ -Ca<sub>2</sub>SiO<sub>4</sub>) and bredigite ( $\alpha_1$ -Ca<sub>2</sub>SiO<sub>4</sub>) and the properties of the resulting gelatinous mineral plombierite: by Dr. J. D. C. McConnell (vol. 30, p. 672).

5. A suggested igneous origin for the banded granular hornfelds within the hypersthene-gabbro of Ardnamurchan, Argyllshire: by Mr. G. M. Brown (vol. 30, p. 529).

The following papers were taken as read:

1. The occurrence of palygorskite near Ipswich, Queensland: by Miss L. E. Rogers, Mr. A. E. Martin, and Dr. K. Norrish (vol. 30, p. 534).
  2. An accessory to the polarizing microscope for the optical examination of crystals: by Mr. H. C. G. Vincent (vol. 30, p. 513).
  3. Rammelsbergite from the southern uplands of Scotland: by Dr. A. K. Temple (vol. 30, p. 541).
  4. The significance of tridymite in igneous and metamorphic petrogenesis: by Dr. G. P. Black (vol. 30, p. 518).
  5. Rodingite from the Girvan-Ballantrae complex, Ayrshire: by Mr. T. W. Bloxham (vol. 30, p. 525).
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# MINERALOGICAL INCOME AND EXPENDITURE ACCOUNT

## A. GENERAL

| 1953<br>£ | INCOME  | £ s. d.    | £ s. d.    |
|-----------|---|------------|------------|
|           | Members' subscriptions—   |            |            |
|           | Annual subscriptions . . . . .  | 1051 18 10 |            |
|           | Entrance fees . . . . .   | 48 0 0     |            |
| 993       |   | 1099 18 10 |            |
|           | <i>Mineralogical Magazine</i> —   |            |            |
|           | Advertisement fees . . . . .  | 107 1 11   |            |
|           | Sales by publisher . . . . .  | 2045 3 7   |            |
|           | Sales by custodian of stock . . . . .   | 65 14 1    |            |
| 1862      |   | 2217 19 7  |            |
|           | Investment revenue—   |            |            |
|           | Interest on investments . . . . .   | 112 18 10  |            |
|           | Post Office Savings Bank interest . . . . .   | 54 10 0    |            |
| 164       |   | 167 8 10   |            |
| 50        | Grant from Royal Society (Parliamentary Grant-in-aid for scientific publications) . . . . . |            | 750 0 0    |
|           | Clay Minerals Group—  |            |            |
|           | <i>Clay Minerals Bulletin</i> :   |            |            |
|           | Subscriptions . . . . .   | 81 5 3     |            |
|           | Sales, including authors' reprints . . . . .  | 116 9 4    |            |
| 158       |   | 197 14 7   |            |
| 532       | Clay Minerals Monograph, sales . . . . .  |            | 333 10 3   |
| —         | <i>Glossary of Clay Trade Names</i> , sales . . . . .                                       |            | 35 3 4     |
|           |   |            | 72 1 3     |
| 612       | <i>Balance</i> , being excess of expenditure over income for the year . . . . .             |            | £4873 16 8 |
|           |   |            | £4371      |

## B. MIERS

|    |                                |                   |
|----|--------------------------------|-------------------|
| 17 | Investment revenue . . . . .   | £ s. d.<br>19 3 7 |
| 3  | Sundry contributions . . . . . | 2 16 0            |
|    |                                | £21 19 7          |
|    |                                | £20               |

# SOCIETY

FOR THE YEAR ENDED DECEMBER 31, 1954

## FUND

| 1953         | EXPENDITURE  | £    | s. | d. | £ | s.           | d.          |
|--------------|--|------|----|----|---|--------------|-------------|
| £            | <i>Mineralogical Magazine—</i>                           |      |    |    |   |              |             |
|              | Nos. 224-227:  |      |    |    |   |              |             |
|              | Printing . . . . .                                       | 1404 | 0  | 1  |   |              |             |
|              | Illustrations . . . . .                                  | 85   | 0  | 10 |   |              |             |
|              | Authors' reprints . . . . .                              | 109  | 18 | 4  |   |              |             |
|              | Distribution . . . . .                                   | 37   | 16 | 1  |   |              |             |
| 1796         |  |      |    |    |   | 1636         | 15 4        |
|              | Back Numbers:  |      |    |    |   |              |             |
| 1641         | <i>Reprinting charges</i> . . . . .                      |      |    |    |   |              |             |
| 50           | Editor's honorarium . . . . .                            |      |    |    |   | 50           | 0 0         |
|              | Meeting expenses—  |      |    |    |   |              |             |
|              | Notices of meetings . . . . .                            | 62   | 9  | 1  |   |              |             |
|              | General expenses in connexion with meetings . . . . .    | 25   | 16 | 0  |   |              |             |
| 82           |  |      |    |    |   | 88           | 5 1         |
|              | General expenses—  |      |    |    |   |              |             |
|              | Clerical assistance . . . . .                            | 423  | 9  | 8  |   |              |             |
|              | Printing and stationery . . . . .                        | 14   | 15 | 6  |   |              |             |
|              | Postage and telephone . . . . .                          | 40   | 18 | 11 |   |              |             |
|              | Sundry office expenses . . . . .                         | 43   | 4  | 3  |   |              |             |
| 539          |  |      |    |    |   | 522          | 8 4         |
|              | Miscellaneous charges—                                   |      |    |    |   |              |             |
| 17           | Depreciation of office furniture and equipment . . . . . |      |    |    |   | 16           | 16 8        |
|              | Transfer to Publications Fund . . . . .                  |      |    |    |   | 2000         | 0 0         |
|              | Clay Minerals Group—                                     |      |    |    |   |              |             |
|              | <i>Clay Minerals Bulletin:</i>                           |      |    |    |   |              |             |
|              | Printing Bulletins 11 and 12 . . . . .                   | 259  | 13 | 9  |   |              |             |
|              | Reprinting charges . . . . .                             | 147  | 8  | 8  |   |              |             |
|              | Authors' reprints . . . . .                              | 10   | 10 | 0  |   |              |             |
| 194          |  |      |    |    |   | 417          | 12 5        |
| —            | <i>Printing Glossary of Clay Trade Names</i> . . . . .   |      |    |    |   | 73           | 0 0         |
|              | General expenses:  |      |    |    |   |              |             |
|              | Meeting expenses . . . . .                               | 4    | 14 | 6  |   |              |             |
|              | Office expenses . . . . .                                | 64   | 4  | 4  |   |              |             |
| 52           |  |      |    |    |   | 68           | 18 10       |
| <u>£4371</u> |  |      |    |    |   | <u>£4873</u> | <u>16 8</u> |

## MEMORIAL FUND

|            |   |   |   |    |            |           |          |
|------------|---|---|---|----|------------|-----------|----------|
|            | Bank charges . . . . .  | 0 | 2 | 10 |            |           |          |
| 20         | Balance, being excess of income over expenditure for the year . . . . . |   |   |    | 21         | 16        | 9        |
| <u>£20</u> |   |   |   |    | <u>£21</u> | <u>19</u> | <u>7</u> |

March 18, 1955. L. A. A. THOMAS }  
J. E. T. HORNE } Auditors.

JAMES H. TAYLOR, Hon. Treasurer.

**MINERALOGICAL  
BALANCE SHEET AS AT  
A. GENERAL**

| 1953<br>£ | LIABILITIES  | £ s. d.   | £ s. d.   |
|-----------|--|-----------|-----------|
|           | Fund Account—  |           |           |
|           | Balance per Balance Sheet at December 31, 1953 . . . . .                             | 5611 19 7 |           |
|           | Less excess of expenditure over income for year ended December<br>31, 1954 . . . . . | 72 1 3    |           |
| 5612      | — Publications Fund . . . . .  |           | 5539 18 4 |
|           | Subscriptions, &c., received in advance—   |           |           |
|           | Members' subscriptions and entrance fees . . . . .                                   | 70 13 9   |           |
|           | Subscriptions to <i>Clay Minerals Bulletin</i> . . . . .                             | 1 0 0     |           |
| 70        | Sundry creditors—  |           | 71 13 9   |
|           | Jarrold & Sons, Ltd. . . . .   | 672 0 0   |           |
|           | A. Walker & Son, Ltd. . . . .  | 202 0 0   |           |
| 722       |  |           | 874 0 0   |

£6404

£8485 12 1

**B. MIERS**

|     |   |          |         |
|-----|---|----------|---------|
|     | Fund Account—   | £ s. d.  | £ s. d. |
|     | Balance per Balance Sheet at December 31, 1953 . . . . .                                | 495 10 4 |         |
|     | Add Excess of income over expenditure for the year ended<br>December 31, 1954 . . . . . | 21 16 9  |         |
| 496 |   |          | 517 7 1 |

£496

£517 7 1

# SOCIETY

DECEMBER 31, 1954

## FUND

1953

| £            | ASSETS   | £ s. d.   | £ s. d.           |
|--------------|--|-----------|-------------------|
|              | Office furniture and equipment—  |           |                   |
|              | Original cost . . . . .  | 168 6 4   |                   |
|              | Less depreciation . . . . .  | 50 10 0   |                   |
| 135          |  |           | 117 16 4          |
|              | Investments (at cost or as valued at December 31, 1951):                                       |           |                   |
|              | £2232. 9s. 3½% War Stock 1952 . . . . .  | 1856 8 6  |                   |
|              | £216. 2s. 4d. 4% Consolidated Stock 1957 . . . . .   | 194 4 9   |                   |
|              | £100 4% Funding Stock 1960-90 . . . . .  | 98 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   |                   |
| 2773         |  |           | 3772 13 6         |
|              | Note:—The total market value of the above investments at December 31, 1954, was £3881. 8s. 5d. |           |                   |
|              | Deposits—  |           |                   |
| 2180         | Balance with Post Office Savings Bank . . . . .  |           | 2234 11 6         |
|              | Subscriptions, &c., in arrears—  |           |                   |
|              | Members' subscriptions and entrance fees . . . . .   | £ 120 8 0 |                   |
|              | Less bad debts . . . . .   | 8 0 0     |                   |
|              |  |           | 112 8 0           |
|              | Subscriptions to <i>Clay Minerals Bulletin</i> . . . . .                                       | 9 2 6     |                   |
|              |  |           | 121 10 6          |
|              | Less provision for bad debts . . . . .   | 11 18 0   |                   |
| 59           |  |           | 109 12 6          |
|              | Sundry debtors—  |           |                   |
|              | Oxford University Press . . . . .  | 722 1 10  |                   |
|              | Authors for reprints from <i>Clay Minerals Bulletin</i> . . . . .                              | 3 17 6    |                   |
| 707          | Purchasers of <i>Clay Minerals Bulletin</i> . . . . .  | 32 2 10   | 758 2 2           |
|              | Cash—  |           |                   |
|              | Coutts & Co., London . . . . .   | 1373 3 11 |                   |
|              | Barclays Bank, Harpenden . . . . .   | 52 17 9   |                   |
|              | British Linen Bank, Aberdeen . . . . .   | 35 3 4    |                   |
|              | Cash in hand, London . . . . .   | 25 0 0    |                   |
|              | „ Harpenden . . . . .  | 5 17 5    |                   |
|              | „ Aberdeen . . . . .   | 0 13 8    |                   |
| 550          |  |           | 1492 16 1         |
| <u>£6404</u> |  |           | <u>£8485 12 1</u> |

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

## MEMORIAL FUND

|                                | £ s. d.  | £ s. d.         |
|--------------------------------|--|-----------------|
| Investments (at cost)—         |  |                 |
| £55 3% Defence Bonds . . . . . | 55 0 0   |                 |
| 437                            | £436. 19s. 4d. 3½% War Stock 1952 . . . . .  | 383 16 0        |
|                                |  |                 |
|                                | Note:—The total market value of the above investments at December 31, 1954 was £436. 5s. 0d. |                 |
| 59                             | Cash—Coutts & Co., London . . . . .  | 78 11 1         |
| <u>£496</u>                    |  | <u>£517 7 1</u> |

March 18, 1955. L. A. A. THOMAS } Auditors.  
J. E. T. HORNE }

JAMES H. TAYLOR, Hon. Treasurer.