Mineralogical Society of the United Kingdom and Ireland

England & Wales · Charity number 233706

Details

Other names	MINERALOGICAL SOCIETY OF GREAT BRITAIN AND IRELAND, MIN SOC
Status	Registered
Legal form	Other
Registered	1964-04-06
Register	View on the Charity Commission register

Contact

Address	12 Baylis Mews Twickenham TW1 3HQ
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Website	www.minersoc.org

Activities

Objects: To advance the education of the public in general (and particularly amongst scientists) on the subject of mineralogy and all related disciplines and to promote research for the public benefit in all aspects of that subject and to publish the useful results.

Activities: The Mineralogical Society of the United Kingdom and Ireland, also known as the MinSoc, is an international society for all those working in the mineral sciences (mineralogy, crystallography, petrology and geochemistry). The Society aims to advance the knowledge of those sciences, and promotes them through scientific meetings and the publication of two scientific journals, both available online.

Classification

- **How:** Makes Grants To Individuals, Makes Grants To Organisations, Provides Services
- **What:** Education/training, Environment/conservation/heritage
- **Who:** Other Defined Groups, The General Public/mankind

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Geography

- Throughout England And Wales

Finances

Period end	Income	Expenditure	Assets	Employees
2025-06-30	£486,535	£447,488	-	-
2024-06-30	£299,573	£338,557	-	-
2023-06-30	£325,412	£310,141	-	-
2022-06-30	£253,069	£269,381	-	-
2021-06-30	£250,741	£231,719	-	-

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Trustees

Name	Role	Appointed
Dr Samuel Shaw	Chair	2024-11-07
Dr Alfred Wilson-Spencer		2024-11-07
Dr Barbara Eva Kunz		2024-11-07
Dr Chun Hui Zhou		2022-01-01
Dr Claire Nichols		2026-01-01
Dr Hannah Elms		2024-01-01
Dr Jagannath Biswakarma		2026-01-01
Dr James Byrne		2020-11-11
Dr Jenni Barclay		2025-01-09
Dr John Moreau		2022-07-06
Dr Karrie Weber		2026-04-23
Dr Kathryn Goodenough		2026-01-01
Dr Laura Kelly		2023-01-01
Dr Luke Townsend		2024-04-10
Dr Martin Peter Smith		2022-01-27
Dr Matthew David Thomas Streets		2026-01-01
Dr Nicholas Gardiner		2026-01-01
Dr Paul Savage		2024-04-10
Dr ROGER MITCHELL		2012-03-07
Dr Ralf Gertisser		2024-01-01
Dr Richard Palin		2025-05-15
Dr Samantha Hammond		2021-11-11
Dr Stuart Mills		2015-03-12
Eimear Deady		2023-04-28
Helen Aleksandra Pendlowski		2024-04-25
Prof George Christidis		2014-01-13
Prof. Hilary Downes		2022-11-10

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Name	Role	Appointed
Professor Jonathan Lloyd		2024-01-01
Professor Mahesh Anand		2024-01-01

Linked charities

- MIERS-SPENCER MEMORIAL FUND (233706-1)

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Mineralogical Society of the United Kingdom and Ireland

England & Wales - Charity number 233706

Accounts

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND

ANNUAL REPORT AND AUDITED FINANCIAL STATEMENTS

FOR THE YEAR ENDED 30 JUNE 2025

David M. Rees & Associates Limited

CHARTERED ACCOUNTANTS

Well Cottage
Cucumber Lane
Essendon
Hertfordshire AL9 6JB

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
ANNUAL REPORT AND AUDITED FINANCIAL STATEMENTS FOR THE YEAR ENDED 30 JUNE 2025

INDEX

	Page
Trustees and Advisors	1 and 2
Report of the Trustees	3 to 19
Report of the Independent Auditors	20 and 21
Statements of Financial Activities	22 to 24
Balance Sheet	25
Notes to the Financial Statements	26 to 32

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
REFERENCE AND ADMINISTRATIVE INFORMATION
Trustees and Advisors for the year ended 30 June 2025

PRESIDENT		S. Shaw - Appointed 7 November 2024 S. Gibson - Resigned 31 December 2024
VICE-PRESIDENTS		H. Pendlowski R. Gertisser - Appointed as Vice President 3 April 2025 J. Byrne - Resigned as Vice President 31 December 2024
TREASURER		S. Hammond
GENERAL SECRETARY		E. Deady
PUBLICATIONS MANAGERS		Vacant R.J. Bowell - Resigned 7 November 2024
PUBLIC RELATIONS OFFICER		J. Byrne
ELEMENTS REPRESENTATIVE		M. White
EQUALITY DIVERSITY and INCLUSION OFFICER		L. Kelly
PRINCIPAL EDITORS	Mineralogical Magazine	S. Mills R.H. Mitchell
	Clay Minerals	G.E. Christidis Chun-Hui Zhou
	Geo-Bio Interface	A. Engel J. Lloyd L. Shi - Appointed 7 November 2024 H. Dong - Resigned 7 November 2024
GROUP CHAIRS		
Applied Mineralogy Group		M. Smith
Clay Minerals Group		H. Pendlowski
Environmental Mineralogy Group		L. Townsend
Geochemistry Group		P. Savage
Geomicrobiology Network		J. Moreau
Metamorphic Studies Group		R. Palin - Appointed 15 May 2025 Chair 11 April 2025 O. Weller - Resigned 11 April 2025
Mineral Physics Group		A. Wilson-Spencer - Appointed 7 November 2024 O. Lord - Resigned 7 November 2024
Volcanic & Magmatic Studies Group		J. Barclay - Appointed 9 January 2025 T. Mather - Resigned 8 January 2025

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
Trustee and Advisors for the year ended 30 June 2025

ORDINARY MEMBERS OF COUNCIL	A. Costanzo H. Elms R. Gertisser C. Manning-Gill B. Sarkar F. Cooper
CUSTODIAN TRUSTEES	H. Downes J. Lloyd M. Anand
AWARDS COMMITTEE CHAIR	B. Kunz - Appointed 7 November 2024
OFFICE	12 Baylis Mews 93 - 101 Amyand Park Road Twickenham Middlesex TW1 3HQ
ADMINISTRATION	K. Murphy - Executive Director R. Rajendra - Finance and Operations Manager
AUDITORS	David M. Rees & Associates Limited Well Cottage Cucumber Lane Essendon Hertfordshire AL9 6JB
SOLICITORS	Nabarro Nathanson Lacon House 84 Theobald's Road London WC1X 8RW
BANKERS	Coutts & Co 440 Strand London WC2R 0QS
INVESTMENT MANAGER	Schroder & Co. Limited, trading as Cazenove Capital 1 London Wall Place London EC2Y 5AU
WEBSITE	www.minersoc.org
CHARITY REGISTRATION NUMBER	233706

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
REPORT OF THE TRUSTEES FOR THE YEAR ENDED 30 JUNE 2025

The trustees present their annual report and the audited financial statements of the charity for the year ended 30 June 2025. The Financial Statements have been prepared in accordance with the accounting policies set out in Note 1 to the financial statements and comply with the charity's governing document instituted on 3 February 1876 (Bye-Laws 7 November 2024 revision) the Charities Act 2011 and the Charities Statement of Recommended Practice ("Charities SORP") applicable to Charities preparing their financial statements in accordance with the Financial Reporting Standard applicable in the United Kingdom and Republic of Ireland (FRS 102) second edition issued in October 2019.

OBJECTIVES AND ACTIVITIES

The object of the Mineralogical Society of the United Kingdom and Ireland, with which the Crystallological Society was amalgamated on 11 December 1883, is 'to advance the education of the public in general (and particularly amongst scientists) on the subject of mineralogy and all related disciplines and to promote research for the public benefit in all aspects of that subject and to publish the useful results. In furtherance of the said objects of the Society but not otherwise the Council of the Society may: publish or cause to be published such periodical and other publications as it thinks fit, establish special interest groups, hold or arrange to be held seminars, conferences or other forms of discussion, award prizes, medals and exhibitions, receive donations or bequests for any general or special purpose connected with the object of the Society, establish or support any charitable institution having object similar to the object of the Society, do all such other things as shall further the attainment of the object of the Society.

Long-Term Strategy

Our long-term strategy remains largely unchanged. The Society's aim is to continue to publish its three flagship journals (in the face of significant change in the landscape of journal publishing) and its role in the EMU *Notes in Mineralogy* book series. Support for the Society's Special Interest Groups will continue, both financially and logistically, as it is largely through these SIGs that the Society serves the community of mineralogists. We will continue to be part of the *Elements* 'family' of Societies which distributes *Elements* to all members. The Society will also be involved in the organization and support of scientific meetings (including the International Clay Conference in 2025). Our strategy is to provide these services at an affordable cost to members and other scientists. Our service to the student community, i.e. provision of three years' free membership and subsidized membership thereafter, will also continue. Online hosting of scientific events has proven to be an unexpected benefit arising from restricted movements imposed by the pandemic at the start of the 2020s; these are set to continue in various formats. Our new 'Skills and Training' programme has proven popular and will continue in 2025-6. We continue to discuss and implement changes relating to our Equality, Diversity and Inclusivity programme in relation to events, membership, awards and publications.

What difference is the Mineralogical Society seeking to make?

The Society seeks to be a leader in the provision of services to the international community of mineralogists. The organization facilitates the gathering of mineralogists to discuss matters of mutual interest, and thereafter to place information in the public domain through dissemination in its publications. We also exist to support the training of new mineralogists and to serve as a source of information for the public.

PUBLIC BENEFIT

In setting our aims and objectives and planning our future activities the trustees have given careful consideration to the Charity Commission's general guidance on public benefit and in particular to its supplementary public benefit guidance on advancing education.

Bursaries

The purpose of the bursary scheme is to support academic work by facilitating attendance at overseas conferences and meetings; encouraging international collaboration, involving research of high merit; or supporting fieldwork. Applications are vetted by the Society's Awards Committee. This year bursaries were awarded to: N. Topping, P. Minhas, H. Kazemian and L. Tritton.

A REVIEW OF OUR ACHIEVEMENTS AND PERFORMANCE

Membership

During the year ended 30 June 2025 the Society had a net reduction of 126 members. At 30 June 2025 there were 672 Members being 18 Honorary Life Fellows,15 Honorary Fellows, 60 Life Members, 566 Fellows and Members and 13 Emeritus Members. These figures do not include 261 Student Members who are receiving free membership of the society for three years.

Publications Manager

The Society's Publications Manager resigned from his post during the year and it was agreed to leave the post unoccupied for up to 2 years to determine if it needed to be refilled.

Mineralogical Magazine

The Editors are grateful to Managing Editor, Helen Kerbey, without whose work, the journal would not function efficiently. We commend her for her excellent copy-editing and positive interaction with CUP and our typesetters. We also note that she responds quickly to queries from authors with regards to their problems with the manuscript submission system. Both editors

value her involvement in maintaining the high standards of the *Mineralogical Magazine*. Two Associate Editors have resigned Ian Coulson (Canada) and Makoto Arima (Japan) and these have been replaced by William Smith (Australia) and Caterina Melai (Ireland). We wish to express our appreciation to all members of our Editorial Board. Without their dedication it would not be possible to maintain the high standards of the journal.

This is the eighth year of publication of the journal under the auspices of the Cambridge University Press (CUP). Most of the problems encountered during the first years have been resolved and the submission and review process is typically operating without any major problems. However, from January to June 2025 there were significant delays in production due to a change in typesetter. Immediate access to the online versions of accepted papers in a pre-publication format and in 'first view' (with layout) and the diverse metrics associated with the papers published have been welcomed by the editors and readers of the journal. Our CUP contacts have provided the editors and the publications committee with valuable and interesting monthly Publisher's Reports on the numbers and demographics of citations which were previously unavailable.

The journal has continued to publish high-quality papers in a wide range of mineralogical and petrological topics, and, in the opinion of the Editors, remains the premier periodical for publication of papers concerned with theoretical mineralogy, mineral crystal structures and description of new minerals.

The Clarivate impact factor of the journal has fallen to 1.4 from the previous levels of 2019 (1.738) and 2020 (2.062) to 2.8 in 2023 (2 year IF). The decrease does not reflect any change in the material published in the *Mineralogical Magazine*, and it is considered by CUP that the decrease is related to the fact that the very well-cited paper "IMA-CNMNC approved mineral symbols" (Warr) is no longer included in the impact factor calculation. For comparison, the impact factors of the other mineralogical periodicals are: *American Mineralogist* (2.3); *European Journal of Mineralogy* (1.7); *Canadian Journal of Mineralogy and Petrology* (1.5); *Minerals* (MPDI, 2.2). Our 4-year Scopus Cite Score has increased from 3.2 in 2019 to 5.1 in 2024.

Although our impact factor has apparently decreased we consider that these changes in the impact factor of the journal are not a reflection on the quality of the papers published as these were very similar in content to previous years. The changes in all impact factors are not readily explicable and perhaps indicate the futility of this ever-changing metric in measuring the quality of publications.

Most papers published from 1 July 2024–30 June 2025 were green open access, although 36 gold open access papers were published, representing an increase over the previous year when 29 gold open access papers were published. The journal continues to publish upon receipt the reports (six in this period) of the IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Committee.

Seventy five papers were published between 1 July 2024 and 30 June 2025; 60% were in the field of crystallography, theoretical mineralogy and new minerals, and 40% in the fields of general mineralogy, petrology and environmental mineralogy. This distribution represents an increase in the number of petrological papers from the previous reporting period (35%). The subject distribution and senior authorship by country has not changed significantly since the last report. Although Italian and Russian crystallographers provide the bulk of our crystallographic papers, our major contributors in all fields originate from Australia, Russia, the USA and Canada.

Three book reviews were published: (1) *Meteorite Hunters* (by Ceballous-Izquierdo); (2) *Ore Mineralogy* (by Majzlan and Chovan); (3) *Rocks: Description, Identification, Nomenclature, Genesis* (by Maresch and Schertl).

During this reporting time a special memorial issue in recognition of the late Alessandro Guastoni consisting of 10 papers plus an editorial was published as volume 88/6 in December 2024. Nine papers were published as a new series on NanoMinerals and Mineral Nanoparticles in volumes 88/3 and 89/1.

Obituaries were published of Jack Zussman (88/5) and Gordon Cressey (89/3) both notable mineralogists and long-time members of the Mineralogical Society together with that of George Sheldrick (89/2) who made an outstanding contribution to crystal structure determination. A comment on, and a reply by the authors to, a published paper was included in 88/5.

In this reporting period 79 manuscripts were submitted for publication and 43 were rejected. The majority of manuscripts rejected were not within the scope of material published in *Mineralogical Magazine*. It was evident in some cases that some of these papers had been submitted to, and rejected, by other periodicals.

Roger Mitchell, Stuart Mills
Joint Principal Editors

Clay MineralsFour issues of *Clay Minerals* were published between July 2024 and June 2025. The 4 issues contained 24 papers, 2 review papers, 4 obituaries and one corrigendum. The delay in the publication schedule has decreased considerably and all accepted papers appear quickly as 'First View' articles.

The research articles covered a wide range of applications, from use in industrial production of ceramics to application as selective catalysts and geotechnical applications, from geology of clays and sediments to soils and paleoclimatic reconstructions using clays, bentonites and kaolins, diatomites, synthetic clay minerals, and physical and chemical properties of clays, from environmental applications of clays (green chemistry, CO_2 adsorption) to nanocomposites, catalysis, adsorption, minerals (smectite, kaolinite, halloysite, celadonite, sepiolite, palygorskite, illite, chlorite, talc, lizardite,

zeolites), ceramics and geopolymers, zeolites, drilling fluids, clay mineral reactors and locations The geographical distribution of the published papers is shown in the following table:

Geographical distribution of the published papers

Country	No of papers	Country	No of papers
China	5	France	1
Algeria	2	Germany	1
Greece	2	Israel	1
Iran	2	Japan	1
Turkiye	2	Morocco	1
Austria	1	Niger	1
Belgium	1	Portugal	1
Brazil	1	Serbia	1
Cameroon	1	Tunisia	1

Between 1st July 2024 and 30th June 2025, 45 manuscripts were submitted from 26 countries from Europe, Asia, Africa, North and South America. 15 of these manuscripts were rejected or considered unsuitable for the journal. For the manuscripts submitted in that time interval, there were 100 editorial decisions, 35 of which indicated acceptance (23)/conditional acceptance (12), 34 verdicts suggested major revision, 11 suggested minor revision and 18 rejection including non-suitability for the journal. Note that more than one verdict is applied to each manuscript, depending on the number of rounds of revision, and acceptance verdicts refer also to manuscripts submitted before the interval under consideration. The overall rejection rate for the interval under consideration was 38% (42% last year). The average time from submission to first decision was 43.9 days (39.1 last year). This time is close to the target of six weeks and is the result of the collaborative effort of the editors and the reviewers. There is still a delay in the appearance of the first proof, but CUP is working on this point. 351 reviewers were invited, of whom 116 reviewers submitted reviews, 75 declined to review, 156 reviewers were uninvited before agreeing, and 4 were terminated after agreeing.

Currently there is one open special issue. The special issue will include papers that were presented to the International Clay Conference 2025 that took place in Dublin, Ireland. The deadline for submission of manuscripts has been set as 30 November 2025. So far 5 papers have been submitted for this issue and are under review. A second special issue has been scheduled to mark the 10th Anniversary of the Gansu Provincial-level Key Laboratory of Clay Minerals in China. An announcement about this special issue will be published on the webpages of the journal by the end of 2025. One invited review paper by A. Baldermann *et al.* was published in March 2025.

The Editorial Board is working smoothly and most of the members are devoted to their duties. The turnaround time for first editorial decision is close to the time agreed in previous Editorial Board meetings, i.e. 6 weeks. Two very fruitful and constructive in-person board meetings were held during the period, one during the Mid-European Clay Conference 2024 in Plzen, Czech Republic and a second on 15 July 2025 during the ICC in Dublin. In the second meeting it was decided to invite Marek Szczerba to join the Editorial Board.

The Impact factor (IF) of the journal in 2024 increased to 1.9 from 1.1 in 2023. This is the highest IF ever recorded for the journal, which is now in the second quartile (Q2) journals for mineralogy in the Clarivate ranking. The journal is on the right track and we expect that the collective effort of the editorial board, staff and publishing team will help to increase the impact factor further in the coming years.

George E. Christidis, Chun-Hui Zhou

Geo-Bio Interfaces

This was the second full year of operation of our Gold Open Access journal to support the growing community with research interests at the interface between mineralogy and the biosciences. The journal complements the Society's other established journals, by focusing on four key areas that intersect across the geo-bio interface: biological (including but not limited to microbial) systems, environmental, geochemical (organic and inorganic), and energy and resources. Original submissions describing fundamental, theoretical, experimental, or applied interdisciplinary studies pertaining to any spatial or temporal scale are considered in scope (including research articles, reviews, and rapid communications). This scope is further specified by the following topics.

The journal has three **Principal Editors** (Jon Lloyd, University of Manchester; Hailiang Dong, Chinese University of Geosciences Beijing; Annette Engel, University of Tennessee). H. Dong was replaced by L. Shi (China University of Geosciences, Wuhan) during the year. We also have a team of 33 international Associate Editors (below).

The journal currently has three open 'Collections': 'Critical Metal Bioprocessing', 'The Biogeosphere: Above, Below and Beyond'; and 'Microbial Biomineralization'.

Associate Editors: Liane G Benning, German Research Centre for Geosciences, Potsdam, Germany; Rizlan Bernier-Latmani, École Polytechnique Fédérale de Lausanne, Switzerland; Michael E. Böttcher, University of Greifswald, Germany; Casey Bryce, University of Bristol, UK; Clara Chan, University of Delaware, USA; Julie Cosmidis, University of Oxford, UK; Maria Dittrich, University of Toronto Scarborough, Canada; Yiran Dong, China University of Geosciences, China; Rosemary Dorrington, Rhodes University, South Africa; Javier Sanchez España, Spanish Research Council (CSIC), Spain; Kim Handley, University of Auckland, New Zealand; Qiaoyun Huang, Huazhong Agricultural University, China; Jinwook Kim, Yonsei University, South Korea; Ji-Hoon Lee, Jeonbuk National University, South Korea; Piet Lens, National University of Ireland, Ireland; Juan Liu, Peking University Beijing, China; Muammar Mansor, University of Tuebingen, Germany; Jenine McCutcheon, University of Waterloo, Canada; Mohamed Merroun, Universidad de Granada, Spain; Andy Mitchell, Aberystwyth University, UK; Mihály Pósfai, University of Pannonia, Veszprém, Hungary; Kevin Rosso, Pacific Northwest National Laboratory, USA; Ana Santos, Natural History Museum, UK; Pinaki Sar, Indian Institute of Technology Kharagpur, India; Yizhi Sheng, China University of Geosciences, China; Professor Gordon Southam, University of Queensland, Australia; Lucian Staicu, University of Warsaw, Poland; Yohey Suzuki, The University of Tokyo, Japan; Elizabeth Swanner, Iowa State University, USA; Dominique Tobler, University of Copenhagen, Denmark; Luis Felipe Valdez Nuñez, National University of Cajamarca, Peru; Eric van Hullebusch, Institut de Physique du Globe de Paris, France; Louise Weaver, Institute of Environmental Science and Research Limited, New Zealand; Karrie Weber, University of Nebraska - Lincoln, USA; Wei Xiu, China University of Geosciences, China; Jie Xu, Arizona State University, USA.

The focus during our second year of operation was to secure as much content for a journal still to achieve its first impact factor. The Principal Editors acknowledge the excellent support from Cambridge University Press (Monica Moniz, Catherine Hill and Harry Busby) throughout. Helen Kerbey has also played a pivotal role as the Society Production Editor, offering strong support to the editorial board including the logistics of processing our first submissions. Her role was handed over to the Executive Director during the period under review.

Applied Mineralogy Group

The committee during the period under consideration was:
Chair: M. Smith
Secretary: H. Grant
Treasurer: R. Shaw
PRO/Communications: E. Marquis
Awards Officer: Anouk Borst
EDI Officer: Bethan Payne
Student representatives: Christian Bishop, Rachel Purvis
Industry/MDSG Rep:
Members: J.F.W. Bowles, A. Finch, J. MacDonald, J. Faithful, M. Li, O.A. Igbokwe

The group awarded two bursaries to S. Jaballah and J. Acke during the period under consideration.

Two issues of the *Applied Mineralogist* newsletter were published during the period under consideration: volume 9#2 and volume 10#1 in December 2024 and March 2025, respectively.

The Applied Mineralogy Group supported the Mineral Deposits Studies Group join meeting with the Volcanic and Magmatic Studies Group held in January 2025 in Trinity College Dublin.

Clay Minerals Group

Committee Meetings
The CMG held five committee meetings, all online (25th July 2024, 22nd October 2024, 5th December 2024 (including AGM), 25th February 2025 and 8th May 2025).

Distinguished Member Award
In the 76-year history of the CMG, only two individuals have been honoured with the award of 'Distinguished Member', a mark of esteem which recognizes outstanding individual achievements in clay research and in acknowledgement of exceptional service. The two previous recipients were Robert Mackenzie (1983, Macaulay Institute, Aberdeen) and Colin Farmer (2003, Macaulay Institute, Aberdeen).

We are aware of many individuals who have made significant contributions to the CMG and the wider clay community. However, when Simon Kemp, of our committee, presented a nomination to us for consideration, there was no hesitation from the committee to confer this award on the individual nominated.

We are delighted that Christopher Jeans (University of Cambridge; retired) has accepted the award of Distinguished Member of the Clay Minerals Group. The award will be formally presented at the XVIII International Clay Conference in July 2025.

XVIII International Clay Conference
The main focus of the CMG within this reporting period is the organization of and preparation for the XVIII International Clay Conference (ICC) which will be held on 13–18 July 2025 at Trinity College, Dublin. On behalf of the CMG, this is being led by Steve Hillier and Kevin Murphy, and we sincerely thank them for all they are doing to make this meeting a success. Many members of the CMG committee are also session convenors and have plans to present their work at the meeting.

Registration has now closed for the meeting, and it has been confirmed that there will be 35 sessions running over the course of the meeting with the final timetable already published. Plans are in place for this meeting to be a hybrid event, with remote attendees able to give both oral and poster presentations.

As the ICC is such a major event in our calendar this year, we will not be hosting a separate Research in Progress meeting.

Bursaries
The CMG continues to offer support for conference attendance through their ordinary bursary scheme. In the reporting period, we received seven applications for bursaries, one of which was for the American Chemical Society Spring Conference 2025, San Diego (completed award and bursary report can be viewed here: https://www.minersoc.org/wp-content/uploads/2025/09/Patial-M-CMG.pdf) and the other six are related to the XVIII International Clay Conference.

We have had two applications for our research grant which were both successful and the research related to those is currently ongoing. The award of funds will be provided at the end of the research period.

CMG Newsletter 'Phyllosophical News'
A team of Early Career Clay Scientists has again produced another issue of our newsletter in March 2025. The issue covered a calendar of events, technical science and some 'lighter' articles.

Current editorial team: Hannah Pollak (University of Edinburgh), Gloria Wie-Addo (Sheffield Hallam University) and Jagannath Biswakarma (University of Bristol).

Clay Scientist Interviews
Following on from the interviews as part of our Jubilee celebrations, Anke Neumann has led on the organisation of further videos being created and shared on the Mineralogical Society's YouTube channel. Within the reporting period four more videos have been published as detailed below, with direct links to watch the videos.

- October 2024 interview – Karen Scrivener (interviewed by Alastair Marsh)
- January 2025 interview – S. Datta (interviewed by Binoy Sarkar)
- June 2025 interview – J. Bujdák (interviewed by Francis Clegg)
- June 2025 interview – S. Kaufhold (interviewed by Steve Hillier)

European Clay Groups Association (ECGA)
During this period, the ECGA, of which the CMG is an active member, continues under the leadership of president, Maguy Jaber (France), and secretary, Peter Uhlík (Slovakia). The group currently meets quarterly, although this can and does vary depending on activities. A proposal for COST Action funding was submitted in October 2024. This proposal is related to halloysite research and two of our committee members are involved with this application. Unfortunately the proposal was unsuccessful but discussions continue to implement improvements and it will be resubmitted. A new website for the ECGA has been developed by Erwan Paineau (France) and hopes to share activities of the ECGA and all member groups going forward.

Social Media
The CMG's X (formerly: Twitter) account (@CMG_minsoc) remains live, although less active than in previous years, and is still one of our important means of communication with the clay community. The LinkedIn Group (Clay Minerals Group (MinerSoc)) continues to target outreach to and communication mainly with industrial colleagues but also a growing number in the research sector.

CMG-sponsored activities - European Mineraiogical Conference (EMC)
The CMG supported the invited speaker at EMC 2024, Dublin, for the session 'Structure-properties relationships of framework, layered and related minerals'. The speaker chosen by the convenors was Dr Anke Neumann, Paul Scherrer Institute PSI, Switzerland (and 2023/2024 CMG Secretary) who presented her work titled '*The interdependence of structure and redox properties of clay minerals*'.

George Brown Lecture
During the reporting period, Prof Katja Emmerich from the KIT Karlsruhe Institute of Technology in Germany presented the 25th George Brown Lecture (*Engineered barriers, the sandwich sealing system and the swelling of bentonites*) at the 11th Mid-European Clay Conference, Pilsen, Czechia, in September 2024. The review article connected to this George Brown Lecture will be published in our journal, *Clay Minerals*, very soon.

The 26th George Brown lecturer has already been chosen and will be highlighted in the next report.

Annual General Meeting and CMG Committee Membership
The CMG AGM was held online on the 5th December 2024. Helen Pendlowski was elected as Chair of the group and Alastair Marsh as the Secretary, replacing Anke Neumann who has held this latter role for the previous year. Kirill Shafran was elected as Treasurer but during the reporting period had to step down from this role. At this time David Wray took on the role of Treasurer. Anke and Kirill were both thanked for their work in officer roles on the committee, and both do remain as ordinary members of the committee.

The committee membership for 2024/2025 is as follows:

Chair: Helen Pendlowski
Secretary: Alastair Marsh
Treasurer: David Wray
Principal Editors *Clay Minerals*: George Christidis and Chun Hui Zhou
EDI representative: Binoy Sarkar
Members: Francis Clegg, Steve Hillier, Simon Kemp, Anke Neumann, Kirill Shafran
Co-Opted Member: Urmi Ghosh (AIPEA ECR UK Rep.)

Environmental Mineralogy Group

Committee Roles
Since the previous annual report, the EMG has added one new committee member (Lewis Blackburn) to its ranks. The committee is still actively seeking new members, particularly those who wish to join in roles of Early Career. Furthermore, next year will mark the end of the Luke's (Chair) and Tom's (Treasurer) standard 3-year tenure in these roles and as such, recruitment for the committee is now a priority. The current committee is as follows:

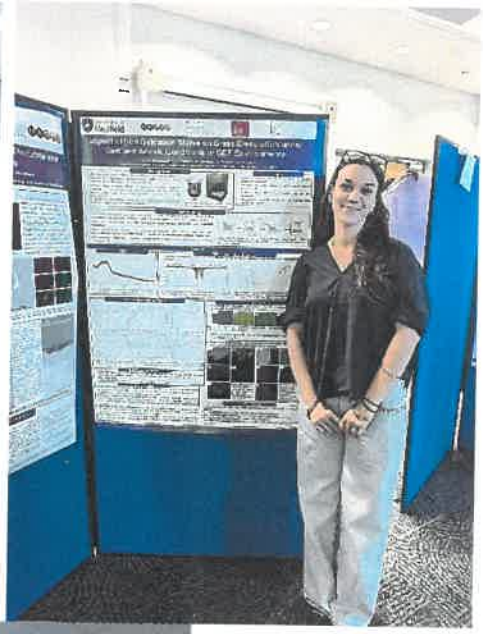
Chair: Luke Townsend (luke.townsend@nuclearwasteservices.uk)
Secretary & EDI Representative: Kath Rothwell (k.rothwell@bristol.ac.uk)
Treasurer: Tom Neill (thomas.neill@manchester.ac.uk)
Communications Officer: Rick Kimber (richard.kimber@manchester.ac.uk)
Early Career Representative: Vacant
Student Representative & Newsletter Editor: Latham Haigh (lthaigh1@sheffield.ac.uk)
Industrial Representative: Aislinn Boylan (aislinn.boylan@uknnl.com)
Standard committee members: Lewis Blackburn (lewis.blackburn@sheffield.ac.uk)

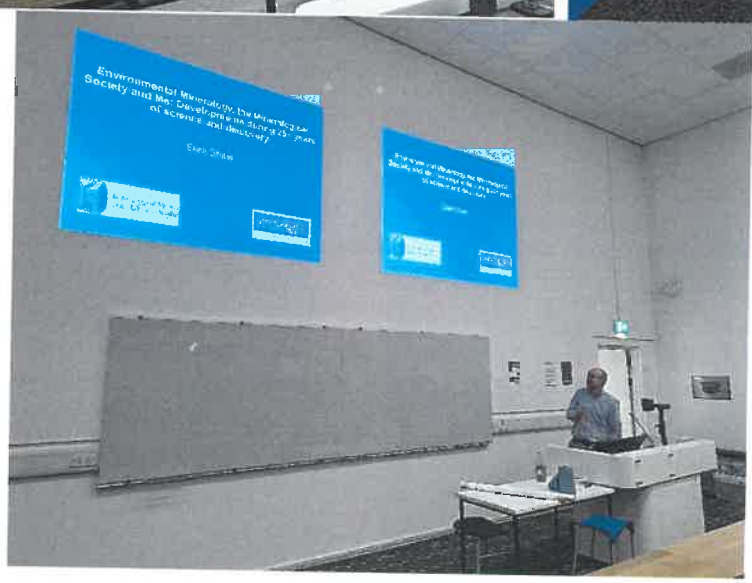
Research in Progress Meeting
The 2025 EMG RiP took place between the 24th and 25th June 2025 at the University of Sheffield with the theme of 'From the laboratory to the field'. The meeting saw around 30 attendees gather at the Sir Robert Hadfield building and online to showcase a wide variety of ongoing research in the area of environmental mineralogy. Topics included carbon sequestration, radionuclides in natural and anthropogenic minerals, and mining. Three keynote talks were given during the meeting, by Dr Jagannath Biswakarma, Dr Sarah Pepper, and Prof Sam Shaw. As a previous EMG bursary winner, Jagannath spoke about how his work on iron oxides, part-funded by the EMG, was helping to clean-up arsenic contamination in India. Sarah was invited as part of the committee's push to showcase talent in technicians and gave an excellent overview of her varied and exciting career in mineral sciences. Finally, Sam presented on how the Mineralogical Society has supported him throughout his career, from undergraduate student to professor and President of the society.

Aside from the keynote presentations, the quality of talks was excellent from all the speakers. Following a lot of deliberation, the winner of best talk went to Piyush Sriwastava of the University of Oxford for his excellent work into the mechanisms underpinning carbon sequestration. The poster session was equally engaging and competitive, with all posters in contention for the prize. However, ultimately, Masters student Theodora Boncioaga was awarded the prize for her excellently presented and defended work on the impact of iron oxidation states on glass dissolution under radioactive waste disposal conditions.

Overall, the meeting was a great success for the EMG, with a good mix of both new and familiar faces. Thanks to funding from the Royce Institute, catering was provided for the duration of the event at no cost to the EMG. In the future, we hope to expand the remit of these meetings as there was an over emphasis on environmental radiochemistry. The committee hopes to work on expanding its reach over the next year or so to combat this.







Newsletter
Latham Haigh continues to work on the newsletter with the latest version available here: Environmental Mineralogy Explorer - Mineralogical Society of the UK and Ireland (minersoc.org)

Early Career Researcher Bursary Award
The bursary call was assessed in December 2024 and we had an unprecedented number (six) of high-quality applications (all for the Early Career Researcher bursary). After a lot of deliberation between committee members, the bursary was awarded to Jagannath Biswakarma, a postdoctoral researcher at the University of Bristol. His proposal will help him to perform analysis on samples from his fieldwork on As contaminated groundwaters in India. The next bursary call is expected run in late Spring of 2025.

PhD Bursary Award
In June 2025, we awarded Heloisa Dickinson of Glasgow University the PhD bursary award to help fund her trip to the Brazilian synchrotron. This trip was orchestrated by herself, with the beamtime won autonomously. Whilst the full cost of the trip couldn't be covered by the EMG (~£1500), we awarded the full bursary amount (£300) on the condition other funding sources were obtained to cover the remaining balance (which was achieved).

Geochemistry Group

The aims of the Geochemistry Group are to promote geochemistry as a discipline, and to enhance links between the many areas of geochemistry. We particularly focus on early career geochemists (PhD candidates and postdocs) and aim to provide a platform for new geochemical talent in the UK and Ireland. Our main activities include an annual Geochemistry Group Research in Progress (GGRiP) meeting in April each year (held in Birmingham in 2025), as well as running two postdoctoral awards, a mentorship scheme, student travel bursaries and meeting support.

During the AGM held as part of the GGRiP meeting in Birmingham, two new committee members were appointed: Dr Savannah Worne (who is also our EDI lead; Loughborough University), and Dr Hugo Moreira (Portsmouth University). Dr Catriona Menzies offered to renew her role on the committee for a further three years, and this was ratified. Dr Eleanor

Georgiadis' (now at ETH Zurich) role on the committee came to an end, and we would like to thank Eleanor for her hard work and effort during her time in the Geochemistry Group committee.

One major change announced at the AGM was our new social media strategy; herein, it was agreed that the Geochemistry Group would close its Twitter and Facebook accounts, based on the toxic nature of the former, and lack of engagement with the latter. The Geochemistry Group now has active social media outreach via Linkedin and Bluesky accounts. We have also put in place a more regular and manageable update that is sent out by email – interested people can sign up on the Geochemistry Group website.

We are continuing with our online panel discussion series, ECR Skills Programme. As usual, we held our popular "Things I wish I knew when I started my PhD" panel event in November 2024, and the video of this is now on our YouTube channel along with all other programme events.

We have continued with our Geochemistry Group Mentor Scheme (GGMS), designed to connect ECRs and PhD students with more established geochemists. ECRs and PhD students who are members of the Mineralogical Society of the UK and Ireland, and/or the Geological Society of London are eligible to apply. Mentees are paired to mentors based on mentees' preferences expressed during application (e.g., career stage vs subject area). In 2024-25 we had 8 mentees, and the mentors were once again drawn from the GG committee. Its continuing success means that we will continue it into future years.

The Geochemistry Group continues to award bursaries to support scientific meetings, as well as student travel grants. We also make two awards annually, specifically focused on celebrating the success of postdocs. This years' postdoctoral medal, which recognises the best paper in a given year first-authored by a postdoc, was awarded to Dr Aled Evans (University of Southampton) for their paper: *Ocean crustal veins record dynamic interplay between plate-cooling-induced cracking and ocean chemistry* (Evans et al., 2025 EPSL vol 650, 119116).

The ECR prominent lecturer award was this year awarded to two researchers; we had an unusually large number of applicants, all of whom were excellent, and we found it impossible to choose an outright winner. Those awardees are Dr Rebekah Moore (Imperial College London) and Dr Savannah Worne (Loughborough University).

Finally, our annual conference, Geochemistry Group Research In Progress, (GGRiP) 2025 took place at the University of Birmingham from the 8th to the 10th of April. Although the conference was less well-attended than previous years (~80 in 2025 compared to ~100-110 in the previous two years), it was still a fantastic event, showcasing the brilliant research in the UK and Ireland. The committee thanks the Local Organising Committee at Birmingham, which arranged a brilliant programme and ensured everything ran like clockwork. The committee also thanks all of its Industry Sponsors who supported the conference, keeping it affordable and allowing us to award a number of PhD student prizes:

Matthew Allison (University of Birmingham) – Best Oral Presentation
Friso de Graaf (Queen Mary, University of London) – Best Poster Presentation
Gemma Baker (University of Birmingham) – Best Poster Presentation

GGRiP 2025 featured a photo competition, as well as an Open Mic Night which coincided with the Icebreaker. Through both these events, we were fundraising for the Midlands Arts Centre (the "MAC") *GREEN FUTURES CAMPAIGN*. We were told that because of our donation, the MAC will produce a brand-new free workshop for 14 young girls from a care setting in Birmingham, who, through no fault of their own, have very few opportunities for creative activities and are at-risk of being completely excluded from art and culture.

At 30th June 2025, the committee was as follows:

Chair: Paul Savage
Secretary: Marie-Laure Bagard
Treasurer: Jane Barling
Communications: George Cooper
EDI: Savannah Moore
Ordinary Members: James Bendle, Catriona Menzies, Hugo Moreira, Kathryn Shaw, Helen Williams, David Wilson
Co-opted member: Elliot Carter
Student members: Fawn Holland, Chen Xu

Geomicrobiology Network

Committee membership:
Chair: John Moreau
Deputy chair: Casey Bryce
Secretary: Laura Kelly
EDI Officer: Ana Santos
Treasurer: Andy Mitchell

Post-doctoral representative and communications officer:
Post-graduate student representative: Neda Tomlinson, Maria Magliulo (NHM)
Awards officers: Karen Olsson-Francis
Publications Coordinator: vacant
Industry Liaison: Matt Streets
Ordinary members: T. Clarke, G. Gadd, H. Sass, Jon Telling, Jon Lloyd

RiP meeting
The 2024 Research-in-Progress meeting was held on 2 October, 2024 at the Glasgow University Advanced Research Centre; 53 delegates attending in person and four attended in hybrid fashion.

Committee meetings were held on 21 August 2024 and 25 March 2025.

The network made nominations for the Max Hey and Neumann Medals of the Mineralogical Society.

The social media coordinators updated social media information about GMBN to increase membership, promote SIG interests and UK/international awareness. The committee has discussed the option of ending involvement in X with a greater focus on BlueSky and LinkedIn.

Work is ongoing in terms of commencing student research bursaries.

The Network is also supporting the Society's new journal: *Geo-Bio Interfaces*.

Metamorphic Studies Group

Annual Research in Progress (RiP) meeting
In the reporting period, the annual MSG 'Research in Progress' (RiP) meeting was held at the University of Liverpool on the 8th to 11th of April 2025. The meeting comprised a one-day workshop focused on the petrological modelling software MAGEMin, led by Nico Riel (Johannes Gutenberg University Mainz, Germany), followed by a two-day conference, and a one-day fieldtrip to Anglesey, north Wales. The meeting was held as a hybrid event, with 34 people attending in person, and 12 people joining online.

Twenty-two talks were given across both conference days, covering a range of topics spanning from fluid-rock and melt-rock interactions in metamorphic systems to the presentation of complex new approaches to thermobarometry using a variety of statistical techniques. A poster session was also held on the first evening, comprising 12 contributions, including some from undergraduate students.

Two invited speakers gave excellent talks: Eleanor Green (University of Melbourne, Australia) spoke on 'Correlated uncertainties in phase equilibrium modelling: the avPT+ method', and Nick Roberts (British Geological Survey, UK) presented on 'Plate tectonics, petrological proxies and Proterozoic paradigms.' Richard Palin was presented with the Max Hey Medal by Sam Shaw, President of the Mineralogical Society, which he won in 2023. The meeting culminated with the presentation of the 2025 Barrow Award to James Connolly (ETHZ, Switzerland), who gave a very insightful presentation on thermobarometric inversion, detailing a new program added to the Perple_X suite dedicated to solving such inverse problems – MC_fit. We were delighted that all invited speakers were able to attend the event in person.

Several awards were made at the meeting: Sara Nerone (Università degli Studi di Torino, Italy) won the award for best student talk; Philip Hartmeier (University of Lausanne, Switzerland) won the award for best student poster; and Niles Williams (Pennsylvania State University, USA) won the award for best overall student presentation. We thank all students who made the effort to attend in person and present their work. Four student bursaries were allocated to support first-time attendees to join the meeting. Special thanks to John Wheeler (University of Liverpool) for organising the meeting and running the field trip with help from David McNamara, Xi Lu, Buchanan Kerswell and Graham Potts, the University of Liverpool for hosting the event, Zeiss for sponsoring it and the student poster prize, and Nico Riel for running the modelling workshop.

Committee changes
The AGM was held during the RiP meeting and led to several changes in the committee:
Chair: Richard Palin
Secretary (incl. management of the Barrow Award): Dick White
Treasurer: Batzi Fischer
Communications officer: Benjamin Mayor
EDI representative: Unfilled
Fieldtrip representative: Unfilled
Ordinary members: Barbara Kunz, Silvio Ferrero, Joshua Garber

Participation in IUGS 'Third 100' Geological Heritage Sites initiative
The MSG has acted as an official partner in the selection of 'The Third 100' IUGS Geological Heritage Sites by the International Union of Geological Sciences (IUGS) Commission on Geoheritage. In this round, members of the community put forward three new sites for consideration:

- Pyrometamorphism of the Hatrurim Formation (Avi Loeb)
- Syros blueschists and eclogites (Pierre Lanari)
- Western Gneiss Region (Simon Cuthbert)

Past and present members of the MSG committee (Weller, Palin, White) have since acted as judges for submissions; the final third list has not yet been published.

Mineral Physics Group

Research in Progress meeting 2025
The Mineral Physics Group's main event each year is our Research in Progress meeting. This year's meeting was hosted at the University of Edinburgh on 8–9 April 2025, with a local organising committee consisting of Tetsuya Komabayashi and Zena Yonnes (ordinary committee members). The meeting is usually held in the summer, but a spring edition meant it could coincide with a Natural Environment Research Council-funded workshop on the chemical evolution of Earth's core, also organised by T. Komabayashi.

This joint event attracted a larger international delegation than is usually expected for our meetings, including one of our invited speakers, Guillaume Morard (CNRS). Nine oral presentations were given, including four by invited speakers, on topics ranging from Earth's mantle rheology to experimental determinations of the magnetic structure of iron–nickel alloys. Attendance was on a par with previous years despite the long travel times for many delegates.

At this year's meeting, the committee agreed to introduce awards for the best student poster and oral presentations. The aim of these awards is to recognise outstanding presentations and to provide exceptional students with additional recognition that may help them in the next stages of their careers. Viktoria Trautner (Oxford) and Mark Robertson (Edinburgh) were judged to have delivered the best oral and poster presentations, respectively, by the awards subcommittee (Nichols, Jennings, Stackhouse). Each winner received a £50 prize and a framed certificate.

Student bursaries
No dedicated travel bursaries were issued this year as the only applicants were also invited speakers for the group's Research in Progress meeting. As such, the travel costs of this delegate were supported due to their invited status.

Annual General Meeting and MPG Committee membership
The group's annual general meeting was held in Edinburgh, following our research in progress meeting. A provisional assessment of the success of the event was discussed along with considerations for the next edition of the meeting.

There have been no changes to the committee membership of the Mineral Physics Group over the past year. The full committee is as follows:
Chair: Alfred Wilson-Spencer (Leeds)
Treasurer: Stephen Stackhouse (Leeds)
Secretary: Eleanor Jennings (Birkbeck)
Ordinary Members: Auriol Rae (Edinburgh), Tetsuya Komabayashi (Edinburgh), Claire Nichols (Oxford), John Wheeler (Liverpool), Fred Richards (Imperial), Oliver Lord (University of Bristol), Zena Yonnes (Edinburgh) and Simon Hunt (Manchester)

Volcanic and Magmatic Studies Group

The main activities of the Volcanic and Magmatic Studies Group (VMSG) are conferences, sponsoring of awards, funding travel bursaries for PhD students, publishing a quarterly newsletter and keeping in regular contact with our community through email and social media. This report summarizes activities from 1 July 2024 to 30 June 2025.

VMSG Committee meetings
The VMSG committee meets formally twice per year, in June and December. In between these dates, we arrange awards-decision meetings, making decisions on student bursaries and community-nominated post-doctoral and academic awards. All meetings take place online.

Meetings in the past year have included detailed planning for the Dublin conference (January 2025, see below) and planning for the January 2026 Southampton conference. In June 2024, a key item was also the continued planning of the 60th anniversary seminar series, hosted at venues around the UK and Ireland, which was completed in December 2024. New awards procedures were also discussed at this meeting, which are now bedded in, although the future structure of the Henry Emeleus award is still undergoing discussion, given the cost of this award. A significant activity in the second part of 2024 was the finalisation of the VMSG EDI report.

Topics discussed at recent committee meetings also include routes to broadening and maintaining sponsorship, given the loss and narrowing of sponsor support, and ongoing challenges with meeting costs. A focus on minimizing costs for the annual conference was a topic for the June 2025 meeting. A number of student-led workshops have been arranged over the past year, and we now have a well-developed structure of both student and ECR-focused workshops that take place through the year and at our annual meeting. We are also looking at the potential for additional community meetings and/or workshops in 2026. The past year has also seen plans develop for new social media channels, including Bluesky, and developing a more active LinkedIn page and Discord channel.

Conferences

The annual winter meeting was held successfully at Trinity College Dublin from 6-8 January 2025, jointly with the Mineral Deposit Studies Group. There were 279 registrants in total (in-person), with 128 indicating a primary VMSG affiliation. The conference provided a mix of joint and split talk sessions, with posters up for the full conference and spanning VMSG and MDSG topics. There was a 54:46% split of students to non-students (very similar to recent VSMG conferences); a balance reflected in the oral presentations (of 48 joint or VMSG-focused talks, 27 were from students). There were 96 poster presentations.

Before the conference, the local organising committee organised fieldtrips to Giant's Causeway, the volcanic and mineral deposit exposures at Avoca, Co. Wicklow, and to White Rock. After the conference, four workshops were organised, on Research impact and communication, multi-system geochronology, thermobarometric modelling, and sustainability in field operations. These workshops were led by various members of the VMSG and MDSG communities from Ireland and the UK.

Keynote talks were given by the VMSG award and the Zeiss postdoctoral award winners. Mike Heap received the 2024 VMSG Award, and Michal Camejo-Harry the Zeiss postdoctoral award. The conference student awards went to Lydia Whittaker (talk) and Abigail Robinson (poster).

The next annual conference will be held at NOC Southampton, in January 2026.

The conference was followed by our AGM where we communicated and discussed VMSG committee activities with the members. The committee also hosted forums with our student members, Early Career Researchers, and on equality, diversity and inclusion.

Finances (1st July 2024 to 9th June 2025)

The total balance in the VMSG account on 09/06/2025 was £28,597.33. This value is unlikely to be able to support the full cost of an annual conference in a worst-case scenario so attempts will be made to grow our bank balance.

Over the year, the committee expenses included costs incurred by former Chair, Tamsin Mather, to visit Dublin ahead of the VMSG 2025, modest gifts for conference organisers, and a VMSG award trophy. A total of six travel bursaries were claimed in the reporting period. One workshop at the University of Liverpool was supported. Awards expenditure includes £300 for two student prize winners (Abigail Robinson and Lydia Whittaker) at the VMSG 2025 conference, and £2000 for two Henry Emeleus Awards (Jennifer Marsh and Jingwei Zhang). Expenses categorised under 'Other' include a single web hosting fee.

We received our annual contribution of £2000.00 from the Mineralogical and Geological Societies, £405.30 in interest from investments in Coutts & Co and Scottish Widows, and minor reimbursements from VAT reclaimed.

VMSG Awards and Bursary Winners

Our new grant deadlines for awards and bursaries were in place for 2024 and have continued into 2025, with a March and September round of applications. Alongside this, changes to submission rules were designed to make accessibility to these awards as wide as possible. VMSG committee members cannot nominate for any award (although can self-nominate for the Zeiss award) and were not involved in evaluating any award for which they are eligible.

As noted above, the recipients of the VMSG Award and Zeiss postdoctoral award were presented with their awards at the Dublin conference. The VMSG Award was renamed in 2024 from the previous ThermoFisher Award title, as the award is no longer sponsored. The Willy Aspinall award was not given this year due to a lack of nominations.

Three student bursaries have been awarded at the last two bursary rounds, providing travel support for conference attendance, field and laboratory visits. The Henry Emeleus award was not awarded, and discussion over a potential restructuring of this award is being considered.

Membership

Our on-line presence remains highly active. Information is disseminated to the group members via our newsletter which is circulated quarterly to a mailing list of c 1000 people, and via the VMSG website (https://vmsg.org.uk/) and active social media accounts (see below).

EDI report

VMSG finalised its second EDI report in 2024, and this was presented at the Dublin EDI forum and shared with the community. The report, based on a survey of VMSG members (92 responses), reviews progress on previous recommendations outlined in the 2020 VMSG EDI report and presents the new survey results. The report also outlines new recommendations based on the survey responses, around the collection of data to assess the effectiveness of EDI policies, the format of the annual VMSG conference, as well as the breadth of awards and the nomination process. The full report is available here: Volcanic and Magmatic Studies Group Equality, Diversity and Inclusion Report 2024.

Other activities

Throughout 2024, VMSG organised a series of eight seminars, hosted at universities and other organisations by members of the community, across the UK and Ireland, to celebrate its 60th Anniversary. Wherever possible, these were open to members of the public and advertised to local geological groups, as well as students. Several of these were streamed online and recorded, and are now available on the VMSG YouTube channel.

ECR-led workshops were arranged at the Dublin meeting, and directories have been updated on the website, and an ECR networking event was organized.

Recent activities include online support sessions for PhD applications and an interviews workshop. All student resources have been updated on the website (including internships, funding opportunities, project lists).

VMSG also supported the Earth Sciences Teacher's Association 2024 conference in Liverpool.

VMSG continues to communicate to all members via our quarterly newsletter, as well as via the email list and various social media accounts. The newsletter includes reports from the community, including recipients of our student bursaries.

YouTube, Social media and website

Social media follower counts have continued previous trends of slow growth on most platforms through late 2024 and into the first half of 2025, with the continued exception being a slow decrease in Twitter/X and faster growth on BlueSky as academics move from one platform to the other. From October 2024 to June 2025, followers on Twitter/X total -120 / -2%, Instagram 35 / 5%, YouTube 27 / 10%, Facebook -1 / 0%, and BlueSky 245 / 142%. Across all platforms, there has been a net increase in followers of 221 / 3%.

In April 2025, VMSG also launched a public LinkedIn page after discovering a previously created group was invite-only. This has generated 35 followers to date.

Committee

The current committee is as follows:

Chair: Prof Jenni Barclay – University of Bristol
Honorary Secretary: Dr Sebastian Watt – University of Birmingham
Honorary Treasurer: Dr James Hickey – University of Exeter
Ordinary Members
Katie Preece (Equality, Diversity and Inclusion Officer)
James Dalziel (Social Media, web manager)
Katy Chamberlain (Awards and Bursaries)
Brendan McCormick (Events/Outreach)
Lara Mani (Sponsorship)
Mike Stock (Outreach/sponsorship)
Luke Hepworth (ECR Rep)
David Neave (Newsletter)
Rahul Subbaraman (Student Rep)
Natasha Keeley (Student Rep)

DISTINGUISHED LECTURER PROGRAMME

The distinguished lecturers for 2024-25 were Prof. Casey Bryce (University of Bristol) and Prof. Frances Cooper (University College London). Prof. Bryce visited University College London/Birkbeck University, University of Glasgow, Trinity College Dublin (postponed) and Oxford University. Prof. Cooper visited University of Manchester, Bayreuth Geoinstitut, University of Galway, Camborne School of Mines, University of Bristol, Cardiff University and University of Cambridge.

EQUALITY, DIVERSITY AND INCLUSIVITY

The EDI Committee met twice during the period under consideration. The Committee comprises of a Chair (Laura Kelly) and Vice Chair (Ana Santos), together with Sally Gibson (2024)/Sam Shaw (2025), Kevin Murphy and a diverse group of members representing many of the SIGs. Over the period in question the following were members of the Committee for at least part of the period: Kath Rothwell, Binoy Sarkar, Savannah Worne, Katie Preece, and Claire Nichols. The Chair acknowledges the valuable input of all past and present Committee members and thanks them for their efforts, whilst also encouraging those who believe they could contribute to the Society's ongoing efforts to foster EDI, to consider becoming an EDI Committee member. Please contact the Chair, Vice Chair or Kevin Murphy if you have any queries about Committee membership or role expectations.

Whilst the remit of the EDI Committee was and remains broad, we have focused our efforts during the period on advancing the final key area to be considered, i.e. EDI and publications.,

FINANCIAL REVIEW

Treasurer's Report

This report is a summary of the accounts for the year ending 30 June 2025. It is underpinned by a full set of accounts which has been audited by an independent auditor and which forms part of this document. This measure is in place to ensure that the Society is being run in accordance with its charitable status and give a true view of the financial position of the charity at this time.

Figure 1 is a consolidated statement of financial activities of the Society giving a summary of income and expenditure for the year ending 30th June 2025, and alongside this a comparison of the figures for the previous year. The total funds of the Society are valued at £1,534,412 (compared to a value of £1,476,139 for 2023–2024). Whilst our investments have not delivered such gains as in the previous year (£19,226) overall the society has performed well and moved from an operational deficit in 2023–2024 to a surplus this year, of £39,047 (total funds).

A more detailed investigation of income and expenditure can be seen in Figure 2. Donations and investment income (dividends and investments) remains relatively constant compared to previous years, as does income from members' subscriptions. There has been a substantial increase in income from Cambridge University Press (CUP), for both *Mineralogical Magazine*, and *Clay Minerals*, and the relatively new *Geo-Bio Interfaces* journal (total income from CUP of £205,416, compared to £150,779 for the year ending 30.06.24). Whilst this is good news, the income we receive from CUP does seem to fluctuate year on year, and these amounts cannot be relied upon moving forwards. Income from conferences is substantial this year, at £205,278, primarily associated with the EMC conference. There are, of course, associated expenditures against both of these items, with editorial costs at £59,445, and additional publication expenditures, and conference and meetings expenditure at £179,887. Overall however, these two items have led to a surplus. Other items of expenditure do not deviate much from previous years. SIG spending again outweighs income, but this is expected and offset against monies held in the individual SIG accounts and reflects the ongoing work of the groups. Office expenses have decreased this year, due to transfer of monies from conferences to offset staff time spent on these activities. The balance of expenses assigned to charitable activity compared to those of governance remains relatively constant, with 76% of staff time, costs and office usage supporting the charitable activities of the society, and 24% going to governance and support costs. This is comparable to the benchmarks suggested by the Charity Commission.

Figure 3 shows the balance sheet for 30th June 2025. This is useful in comparing our assets to the previous years. The tangible assets (£375,061) include the value of office furniture, computing equipment etc which depreciates in value over time, but also the office at Baylis Mews, which has retained the same value (£375,000 in 2024). Our investments, managed by Cavenove, have decreased this year, from £934,719 to £881,048, but this has included the drawdown of £90,000 to the Society current account in August 2024 and the volatile start to the new calendar year reflecting the uncertainty of global markets following the introduction of tariffs by the USA. To repeat from the initial paragraphs, overall there has been a slight increase in the overall net worth of the charity.

CONSOLIDATED STATEMENT OF FINANCIAL ACTIVITIES

	Notes	2025 Unrestricted Funds	2025 Restricted Funds	2025 Total Funds	2024
		£	£	£	£
Total Income		483,971	7,404	491,375	302,264
Total Expenditure		-447,331	-4,997	-452,328	-341,248
Net expenditure and Net Movement in Funds before Gains and Losses on Investments		36,640	2,407	39,047	-38,984
Surplus on property revaluation	8	-	-	-	30,000
Net Gains (Deficit) on Investments	9	19,226	-	19,226	78,913
Net Movement in Funds		55,866	2,407	58,273	69,929
Total Funds 1 July 2024		1,443,432	32,707	1,476,139	1,406,210
Total Funds 30 June 2025		1,499,298	35,114	1,534,412	1,476,139

The statements of Financial Activities include all gains and deficits recognised in the year.
All incoming resources and resources expended derive from continuing activities.

Figure 1. Consolidated statement of financial activities.

	Notes	2025		2024	
		£	£	£	£
Income					
Donations and Legacies	4		2,250		2,250
Investment Income	5		23,429		24,498
Income from Charitable Activities					
Members' Subscriptions			29,822		28,745
Gift Aid			440		389
Conference and Meetings Income			205,278		-
Cambridge University Press MM & CM		171,413		140,104	
Cambridge University Press Geo-Bio Interfaces		34,003	205,416	10,675	150,779
Publications Income			15,239		24,551
Special Interest Groups Income (Page 25)		18,097		81,624	
Less: Allocation from Mineralogical Society		-16,000	2,097	-16,000	65,624
TOTAL Income			483,971		296,836
Expenditure					
Contribution to Sustaining Membership Fund			4,840		2,691
Expenditure on Charitable Activities					
Subscriptions			1,187		457
Journals Expenditure					
Elements			6,283		8,737
Conference and Meetings Expenditure			179,877		880
Mineralogical Society Medals			70		1,007
Distinguished Lecturers			3,505		-
Website and Future of the Society					
Journal Editorial Costs MM & CM		41,689		39,691	
Journal Editorial Costs Geo-Bio Interfaces		17,756	59,445	14,594	54,285
Publications Expenditure - Net			6,941		-3,768
Travel Bursaries			2,510		4,107
Special Interest Groups Expenditure (Page 25)		24,074		89,229	
Less: Transactions with the Mineralogical Society		-765	23,309	-2,046	87,183
Office Expenses	6		104,863		124,272
Support Costs	7		52,340		57,533
Depreciation	8		252		614
Miscellaneous expenditure			1,909		-
TOTAL Expenditure			447,331		337,998

Figure 2. Summary of Society income and expenditure for the year ending 30th June 2025 (previous year for comparison).

	Notes	2025		2024	
		£	£	£	£
FIXED ASSETS					
Tangible Assets	8		375,061		375,223
Investments	9		881,048		934,719
Total Fixed Assets			1,256,109		1,309,942
CURRENT ASSETS					
Debtors	10	112,738		49,241	
Cash at Bank and in Hand	11	466,583		370,180	
Total Current Assets		579,321		419,421	
LIABILITIES					
Creditors: Amounts Falling					
Due Within One Year	12	-301,018		-253,224	
Total Assets Less Current Liabilities			278,303		166,197
NET ASSETS			1,534,412		1,476,139
The Funds of the Charity:					
Unrestricted Income Funds			1,499,298		1,443,432
Restricted Income Funds - Sustaining Membership Fund		23,019		20,937	
- Willy Aspinall Prize Fund		12,095	35,114	11,770	32,707
TOTAL CHARITY FUNDS			1,534,412		1,476,139

Figure 3. Balance sheet as at 30th June 2025.

INVESTMENT POLICY AND PERFORMANCE

In accordance with the Bye-Laws, the Society Trustees have appointed investment managers to implement the investment strategy (*a copy of which available for inspection from the Society office*) and to ensure the safety of the underlying funds. Cazenove Capital Management Limited were appointed during 2011 as investment managers. In 2022 a formal investment policy was approved by Council.

RISK MANAGEMENT

The Trustees have considered and reviewed the major risks to which the Society is exposed. The Trustees have a risk management strategy (*a copy of which available for inspection from the Society office*)) which comprises a regular review of the risks to the Society and the establishment of systems and procedures to identify those risks to enable the Trustees to implement action to minimise any potential impact on the Society that should arise.

A key element of the management of financial risk is via a review of the reserves policy and objectives of achieving:

1. Long-term capital growth to ensure the future sustainability of the Society;
2. An option to draw down cash from the investments to support the activities of the Society by:-
    a. providing financial support for meetings and conferences;
    b. providing financial support for journals when needed;
    c. providing monies for donations and awards;
    d. contributing to the cost of the administration needed to support the Society's activities.

The principal funding sources for the Society are the income from conferences and from the publication of journals and books.

RESERVES POLICY

The trustees consider that reserves in the region of six months provide sufficient funds and the Society's balance sheet net current assets are in excess of this figure.

PLANS FOR THE FUTURE

We have plans for a meeting at the University of Manchester, to celebrate our 150th Anniversary. In conjunction with our partners at Cambridge University Press, we continue with efforts to promote and attract content to our new journal: *Geo-Bio Interfaces*.

STRUCTURE, GOVERNANCE AND MANAGEMENT

The Society is an unincorporated body and its legal status is as a charity under UK Law, Registered Charity Number 233706. Its governing document is its Bye-Laws. The Society, a membership organization, includes Honorary Fellows,

Fellows, Members, Honorary Members, Life Members, Life Fellows, Emeritus Members, Emeritus Fellows, Honorary Life Fellows, Early Career Members and Student Members who are elected as prescribed by the Bye-Laws of the Society. All members of the Society are eligible for membership of eight special interest groups. The Society is governed by a Council consisting of a President, a General Secretary, a Treasurer, a Publications Manager (currently unoccupied), a Public Relations Officer, the Principal Editors of *Mineralogical Magazine, Clay Minerals* and *Geo-Bio Interfaces* and up to 13 ordinary members. Two Vice-Presidents are nominated from among the elected Council members. Council members are proposed by four Members of the Society and elected by the Council except in cases where an election is required. The administration of the Society is undertaken by staff from its General Office in Twickenham, which is under the supervision of the Executive Director.

The Society has eight special interest groups, each managed by a committee. The eight groups are: the Applied Mineralogy Group, the Clay Minerals Group, the Environmental Mineralogy Group, the Geochemistry Group, the Geomicrobiology Network, the Metamorphic Studies Group, the Mineral Physics Group, and the Volcanic & Magmatic Studies Group. The Geochemistry Group, the Metamorphic Studies Group and the Volcanic & Magmatic Studies Group are joint Groups with the Geological Society of London with which a formal Memorandum of Understanding was signed in 2001 covering a number of areas for co-operation.

Restricted Fund – Sustaining Membership Fund
£1567 was raised from the members towards the sustaining membership fund. This fund was formally established on 1 January 2010. The money is ring-fenced with 90% invested so that the fund can grow and eventually become self-sustaining. The other 10% is used to subsidize the free student memberships and bursaries.

Restricted Fund; the Willy Aspinall Prize Fund
This fund was established by the Volcanic & Magmatic Studies Group during early 2017.The Society manages the restricted fund; it is expected that £800 per year will be disbursed from the fund, ~£400 as a cash award and ~£400 to attend the annual VMSG meeting. The award will be made each year to the lead author of an outstanding paper on applied volcanology published (in English) within three years of the lead author being awarded a PhD at a University in the UK. The prize is named in honour of Prof. Willy Aspinall, a distinguished professor at the University of Bristol and a hazard- and risk-science consultant.

Trustee Induction and Training
On election to the Council of the Mineralogical Society, an individual assumes a number of responsibilities. It is incumbent upon those new council members to familiarise themselves with their new responsibilities. This is achieved by reading the Society's Bye-Laws thoroughly as well as reading the Charity Commission Document on the 'Responsibilities of a charity trustee'. Trustees are reminded that they are accountable in law for the good governance of the Society. The term of office for a Council Member is three years, meaning that there will be twelve Council Meetings during a term of office. Members are expected to attend all of these meetings. It is also taken that they have familiarised themselves with the paperwork circulated prior to these meetings and be prepared to contribute to the relevant discussions. Membership of any of the standing or *impromptu* subcommittees is encouraged and sometimes may be a more direct means of contributing to the development of the Society.

All newly elected Officers, Custodian Trustees and Council Members need to confirm to the Executive Director that they have read and understood their responsibilities accordingly.

Committees
The Society has one formal administrative committee which meets regularly to discuss the running of the Society, i.e. its finance, publications, meetings etc., as well as all matters of policy. This is the Finance/Officers/Publications Committee, which includes the President, the General Secretary, the Treasurer, the Publications Manager, the Public Relations Officer, the Principal Editors of the three journals and three Custodian Trustees.

The governing body of the Society is the Council, which comprises the actual charity trustees of the Society, i.e. those who are legally responsible under charity law for the running of the organization. The Council includes the officers, the chairpersons or nominated representatives of the eight special interest groups, and six Fellows or Members who are elected to the position of ordinary member of Council.

Volunteers
In addition to those who volunteer to serve as members of the committees, there are other members who give of their time to benefit the Society and the subject by writing material for publication by the Society, editing such material, by organizing conferences, including short-courses, field trips etc. (for mineral scientists and for the public at large), and by offering expertise on areas such as website and database management, marketing, design, photography etc. Without such support, the running of the Society would undoubtedly be less efficient.

Key Management Personnel Remuneration
Senior management personnel, to whom the trustees have delegated significant authority or responsibility in the day-to-day running of the charity, have their remuneration reviewed at the November meeting of council each year. The salaries are bench-marked occasionally against those of similar Learned Societies and with lists provided by organizations such as the Science Council (UK). Spine-point increases are provided in line with staff performance; cost-of-living increases are granted based on the Consumer Price Index (produced by the UK's Office for National Statistics). Both forms of increase depend on the financial health of the organization.

Website
The Society's website is located at www.minersoc.org and contains up-to-date information about the Society, its publications and its meetings. The website is managed and updated by the Executive Director.

Climate Change
As a scientific society, the Mineralogical Society takes responsibility for its carbon footprint seriously. Our Officers', Council and SIG committee meetings for the past couple of years have all been held online and this is likely to continue to a significant extent. We are also now making it possible for many of our scientific events to be attended virtually, avoiding the need for air or other travel.

Trustees' responsibilities in relation to the financial statements
The Charity trustees are responsible for preparing the Trustees' Annual Report and financial statements in accordance with applicable law and United Kingdom Accounting Standards (United Kingdom Generally Accepted Accounting Practice).

The law applicable to charities in England and Wales requires the charity trustees to prepare financial statements for each year which give a true and fair view of the state of affairs of the charity and of the incoming resources and application of resources, of the charity for that period. In preparing these financial statements, the trustees are required to:

- select suitable accounting policies and then apply them consistently;
- observe the methods and principles in the applicable Charities SORP;
- make judgements and estimates that are reasonable and prudent;
- state whether applicable accounting standards have been followed, subject to any material departures that must be disclosed and explained in the financial statements;
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the charity will continue in business.

The trustees are responsible for keeping proper accounting records that disclose with reasonable accuracy at any time the financial position of the charity and enable them to ensure that the financial statements comply with the Charities Act 2011, the applicable Charities (Accounts and Reports) Regulations and the provisions of the bye laws. They are also responsible for safeguarding the assets of the charity and taking reasonable steps for the prevention and detection of fraud and other irregularities.

The trustees are responsible for the maintenance and integrity of the charity and financial information included on the charity's website in accordance with legislation in the United Kingdom governing the preparation and dissemination of financial statements.

Auditors
A resolution appointing David M. Rees & Associates Limited to carry out an independent examination of the accounts will be put to the Annual General Meeting.

Approved by the trustees on 6 November 2025 and signed on their behalf by:

S. Hammond
Treasurer

E. Deady
General Secretary

12 Baylis Mews
Amyand Park Road
Twickenham
Middlesex TW1 3HQ

INDEPENDENT AUDITOR'S REPORT TO THE TRUSTEES' OF MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND

Opinion

We have audited the financial statements of the Mineralogical Society of the United Kingdom and Ireland for the year ended 30 June 2025 which comprise the Statements of Financial Activities, the Balance Sheet, and the related notes to the financial statements, including significant accounting policies. The financial reporting framework that has been applied in their preparation is applicable law and United Kingdom Accounting Standards, including Financial Reporting Standard 102 *The Financial Reporting Standard applicable in the UK and Republic of Ireland* (United Kingdom Generally Accepted Accounting Practice).
In our opinion the financial statements:

- give a true and fair view of the state of the charity's affairs as at 30 June 2025, and of its incoming resources and application of resources, including its income and expenditure, for the year then ended;
- have been properly prepared in accordance with United Kingdom Generally Accepted Accounting Practice; and
- have been prepared in accordance with the requirements of the Charities Act 2011.

Basis for opinion

We conducted our audit in accordance with International Standards on Auditing (UK) (ISAs (UK)) and applicable law. Our responsibilities under those standards are further described in the Auditor's responsibilities for the audit of the financial statements section of our report. We are independent of the charity in accordance with the ethical requirements that are relevant to our audit of the financial statements in the UK, including the FRC's Ethical Standard, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Conclusions relating to going concern

In auditing the financial statements, we have concluded that the trustees' use of the going concern basis of accounting in the preparation of the financial statements is appropriate.

Based on the work we have performed, we have not identified any material uncertainties relating to events or conditions that, individually or collectively, may cast significant doubt on the charity's ability to continue as a going concern for a period of at least twelve months from when the financial statements are authorised for issue.

Our responsibilities and the responsibilities of the trustees with respect to going concern are described in the relevant sections of this report.

Other information

The other information comprises the information included in the trustees annual report, other than the financial statements and our auditor's report thereon. The trustees are responsible for the other information contained within the annual report. Our opinion on the financial statements does not cover the other information and, except to the extent otherwise explicitly stated in our report, we do not express any form of assurance conclusion thereon.

Our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the financial statements or our knowledge obtained in the course of the audit or otherwise appears to be materially misstated. If we identify such material inconsistencies or apparent material misstatements, we are required to determine whether this gives rise to a material misstatement in the financial statements themselves. If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact.

We have nothing to report in this regard.

Matters on which we are required to report by exception

We have nothing to report in respect of the following matters in relation to which the Charities (Accounts and Reports) Regulations 2008 require us to report to you if, in our opinion:

- the information given in the financial statements is inconsistent in any material respect with the trustees' report; or
- the charity has not kept adequate accounting records; or
- the financial statements are not in agreement with the accounting records and returns; or
- we have not received all the information and explanations we require for our audit.

Responsibilities of trustees
As explained more fully in the trustees' responsibilities statement set out on page 19, the trustees are responsible for the preparation of the financial statements and for being satisfied that they give a true and fair view, and for such internal control as the trustees determine is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, the trustees are responsible for assessing the charity's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the trustees either intend to liquidate the charity or to cease operations, or have no realistic alternative but to do so.

Auditor's responsibilities for the audit of the financial statements
We have been appointed as auditor under section 144 of the Charities Act 2011 and report in accordance with the Act and relevant regulations made or having effect thereunder.

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with ISAs (UK) will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

Irregularities, including fraud, are instances of non-compliance with laws and regulations. We design procedures in line with our responsibilities, outlined above, to detect material misstatements in respect of irregularities, including fraud.

Because of the inherent limitations of an audit, there is a risk that we will not detect all irregularities, including those leading to a material misstatement in the financial statements or non-compliance with regulation. This risk increases the more that compliance with a law or regulation is removed from the events and transactions reflected in the financial statements, as we will be less likely to become aware of instances of non-compliance. The risk is also greater regarding irregularities occurring due to fraud rather than error, as fraud involves intentional concealment, forgery, collusion, omission or misrepresentation.

A further description of our responsibilities is available on the FRC's website at: https://www.frc.org.uk/auditors/audit-assurance/auditor-s-responsibilities-for-the-audit-of-the-fi/description-of-the-auditor%E2%80%99s-responsibilities-for. This description forms part of our auditor's report

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

Use of our report
This report is made solely to the charity's trustees, as a body, in accordance with Part 4 of the Charities (Accounts and Reports) Regulations 2008. Our audit work has been undertaken so that we might state to the charity's trustees those matters we are required to state to them in an auditor's report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the charity and the charity's trustees as a body, for our audit work, for this report, or for the opinions we have formed.

Sharan C. Rees FCA
Statutory Auditor

David M. Rees Associates Limited

DAVID M. REES & ASSOCIATES LIMITED
Chartered Accountants and Statutory Auditors

WELL COTTAGE
CUCUMBER LANE
ESSENDON
HERTFORDSHIRE AL9 6JB

DATED 15 December 2025

DAVID M. REES & ASSOCIATES LIMITED is eligible to act as an auditor in terms of Section 1212 of the Companies Act 2006

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
RESTRICTED FUNDS
STATEMENT OF FINANCIAL ACTIVITIES FOR THE YEAR ENDED 30 JUNE 2025

	Notes	2025 Sustaining Membership	2025 Willy Aspinall Prize	2025 Total	2024
Income		£	£	£	£
Donations	4	1,567	-	1,567	1,587
Investment Income	5	672	325	997	1,150
Income from Charitable Activities					
Support by General Fund		4,840	-	4,840	2,691
TOTAL Income		7,079	325	7,404	5,428
Expenditure					
Expenditure on Charitable Activities					
Student Membership		-4,997	-	-4,997	-2,850
Awards		-	-	-	-400
TOTAL Expenditure		-4,997	-	-4,997	-3,250
Net Income and Net Movement in Funds for the Year		2,082	325	2,407	2,178

Sustaining membership fund
This fund was formally established on 1 January 2010. The money is ring-fenced with 90% invested so that the fund can grow and eventually become self-sustaining. The other 10% is used to subsidise the free student memberships and bursaries.

Willy Aspinall Prize Fund
The Volcanic and Magmatic Studies Willy Aspinall Prize is a restricted fund established on 8 May 2017 to make an annual award for an outstanding paper in applied volcanology published within three years of the author being awarded a PhD.

CONSOLIDATED STATEMENT OF FINANCIAL ACTIVITIES

	Notes	2025 Unrestricted Funds	2025 Restricted Funds	2025 Total Funds	2024
		£	£	£	£
Total Income		483,971	7,404	491,375	302,264
Total Expenditure		-447,331	-4,997	-452,328	-341,248
Net expenditure and Net Movement in Funds before Gains and Losses on Investments		36,640	2,407	39,047	-38,984
Surplus on property revaluation	8	-	-	-	30,000
Net Gains (Deficit) on Investments	9	19,226	-	19,226	78,913
Net Movement in Funds		55,866	2,407	58,273	69,929
Total Funds 1 July 2024		1,443,432	32,707	1,476,139	1,406,210
Total Funds 30 June 2025		1,499,298	35,114	1,534,412	1,476,139

The statements of Financial Activities include all gains and deficits recognised in the year.
All incoming resources and resources expended derive from continuing activities.

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
UNRESTRICTED FUNDS
STATEMENT OF FINANCIAL ACTIVITIES FOR THE YEAR ENDED 30 JUNE 2025

	Notes	2025		2024	
		£	£	£	£
Income					
Donations and Legacies	4		2,250		2,250
Investment Income	5		23,429		24,498
Income from Charitable Activities					
Members' Subscriptions			29,822		28,745
Gift Aid			440		389
Conference and Meetings Income			205,278		-
Cambridge University Press MM & CM		171,413		140,104	
Cambridge University Press Geo-Bio Interfaces		34,003	205,416	10,675	150,779
Publications Income			15,239		24,551
Special Interest Groups Income (Page 24)		18,097		81,624	
Less: Allocation from Mineralogical Society		-16,000	2,097	-16,000	65,624
TOTAL Income			483,971		296,836
Expenditure					
Contribution to Sustaining Membership Fund			4,840		2,691
Expenditure on Charitable Activities					
Subscriptions			1,187		457
Journals Expenditure					
Elements			6,283		8,737
Conference and Meetings Expenditure			179,877		880
Mineralogical Society Medals			70		1,007
Distinguished Lecturers			3,505		-
Website and Future of the Society					
Journal Editorial Costs MM & CM		41,689		39,691	
Journal Editorial Costs Geo-Bio Interfaces		17,756	59,445	14,594	54,285
Publications Expenditure - Net			6,941		-3,768
Travel Bursaries			2,510		4,107
Special Interest Groups Expenditure (Page 24)		24,074		89,229	
Less: Transactions with the Mineralogical Society		-765	23,309	-2,046	87,183
Office Expenses	6		104,863		124,272
Support Costs	7		52,340		57,533
Depreciation	8		252		614
Miscellaneous expenditure			1,909		-
TOTAL Expenditure			447,331		337,998

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
GROUPS STATEMENTS OF FINANCIAL ACTIVITIES FOR THE YEAR ENDED 30 JUNE 2025

Groups	Group Funds at bank Note 11	Income: From General Fund	Income: Bank Interest - Note 5	Income: Meetings and Conferences	Income: Donations Received Note 4	Income: Total Income	Expenditure: Meetings and Conferences	Expenditure: Meetings and Conferences Support and Donations	Expenditure: Bursaries and Student Awards	Expenditure: Committee Travel and General expenses	Expenditure: Total Expenditure	Net Income (Expenditure)
		£	£	£	£	£	£	£	£	£	£	£
Applied Mineralogy		2,000	208			2,208		1,133	1,300	50	2,483	-275
Clay Minerals		2,000	546			2,546	641	1,101	531	50	2,323	223
Environmental Mineralogy		2,000	68			2,068	468	506	1,266		2,240	-172
Geochemistry		2,000	234			2,234		1,221	2,065	53	3,339	-1,105
Geomicrobiology Network		2,000	229			2,229	837	506	265		1,608	621
Metamorphic Studies		2,000	204			2,204	96		300	75	471	1,733
Mineral Physics		2,000	165			2,165	4,399	1,006		25	5,430	-3,265
Volcanic & Magmatic Studies		2,000	443			2,443	438	250	5,221	271	6,180	-3,737
		16,000	2,097			18,097	6,879	5,723	10,948	524	24,074	-5,977

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
GROUPS STATEMENTS OF FINANCIAL ACTIVITIES FOR THE YEAR ENDED 30 JUNE 2024

Groups	Group Funds at bank Note 11	Income: From General Fund	Income: Bank Interest - Note 5	Income: Meetings and Conferences	Income: Donations Received Note 4	Income: Total Income	Expenditure: Meetings and Conferences	Expenditure: Meetings and Conferences Support and Donations	Expenditure: Travel Bursaries and Student Awards	Expenditure: Committee Travel and General expenses	Expenditure: Total Expenditure	Net Income (Expenditure)
		£	£	£	£	£	£	£	£	£	£	£
Applied Mineralogy		2,000	252			2,252		500	4,400	137	5,037	-2,785
Clay Minerals		2,000	525			2,525		3,361	709	50	4,120	-1,595
		2,000										
Geochemistry		2,000	180	9,595	8,400	20,175	12,827	793	6,673	66	20,359	-184
Geomicrobiology Network		2,000	223			2,223	902	1,222	174		2,298	-75
Metamorphic Studies		2,000	192	3,549	1,000	6,741	5,316	553	522	89	6,480	261
Mineral Physics		2,000	196			2,196	1,768	1,500	842		4,110	-1,914
Volcanic & Magmatic Studies		2,000	433	40,590		43,023	37,161	1,490	4,102	1,567	44,320	-1,297
		16,000	2,073	54,151	9,400	81,624	58,784	9,419	18,642	2,384	89,229	-7,605

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
BALANCE SHEET AT 30 JUNE 2025

	Notes	2025		2024	
		£	£	£	£
FIXED ASSETS					
Tangible Assets	8		375,061		375,223
Investments	9		881,048		934,719
Total Fixed Assets			1,256,109		1,309,942
CURRENT ASSETS					
Debtors	10	112,738		49,241	
Cash at Bank and in Hand	11	466,583		370,180	
Total Current Assets		579,321		419,421	
LIABILITIES					
Creditors: Amounts Falling Due Within One Year	12	-301,018		-253,224	
Total Assets Less Current Liabilities			278,303		166,197
NET ASSETS			1,534,412		1,476,139
The Funds of the Charity:					
Unrestricted Income Funds			1,499,298		1,443,432
Restricted Income Funds - Sustaining Membership Fund		23,019		20,937	
- Willy Aspinall Prize Fund		12,095	35,114	11,770	32,707
TOTAL CHARITY FUNDS			1,534,412		1,476,139

Signed on behalf of the Trustees

S. SHAW
PRESIDENT

Approved by the Trustees on the 6 November 2025

Charity Number 233706

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2025

1. ACCOUNTING POLICIES

a. **Basis of preparation and assessment of going concern**

The Mineralogical Society constitutes a public benefit entity as defined by FRS 102.

The financial statements have been prepared under the historical cost convention with items recognised at cost or transaction value unless otherwise stated in the relevant notes to these accounts to include certain items at fair value. The financial statements have been prepared in accordance with the second edition of the Charities Statement of Recommended Practice issued in October 2019, the Financial Reporting Standard applicable in the United Kingdom and Republic of Ireland (FRS 102), and the Charities Act 2011.

The financial statements are prepared on a going concern basis under the historical cost convention, modified to include certain items at fair value. The financial statements are presented in Sterling which is the functional currency of the Charity.
The trustees consider that there are no material uncertainties about the Mineralogical Society's ability to continue as a going concern. The most significant areas of uncertainty that affect the carrying value of assets held by the Mineralogical Society are the level of investment return and the performance of investment markets.

The significant accounting policies applied in the preparation of these financial statements are set out below.

b. **Funds Structure**

Unrestricted funds are available for use at the discretion of the trustees in furtherance of the general objectives of the Charity and which have not been designated for other purposes.

Restricted funds are funds which are to be used in accordance with specific restrictions imposed by donors or which have been raised by the Charity for particular purposes. The aim and use of each restricted fund is set out on the statement of financial activities.

c. **Income recognition**

Voluntary Income - Donations are accounted for when received. Legacies are accounted for on entitlement.
Investment Income - Income from investments is accounted for on a receivable basis.

Members' subscriptions Income - Members' subscriptions are payable in advance on the 1 January each year and are accounted for in the period in which they are received.
During the year ended 30 June 2025 the Society had a net reduction of 126 members.
At the 30 June 2025 there were 672 Members being 18 Honorary Life Fellows, 15 Honorary Fellows, 60 Life Members, 566 Fellows and Members and 13 Emeritus Members. These figures do not include 261 Student Members who are receiving free membership of the society for three years.

Conference and meetings income - Income from conferences and meetings are accounted for when the meeting has been held.

Cambridge University Press - Income from Cambridge University Press is accounted for on a prepayment basis as the guaranteed amount is received in advance for the calendar year.

Publications Income - Income from publications are accounted for on a receivable basis.

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2025

d. **Expenditure recognition**

Liabilities are recognised as expenditure as soon as there is a legal or constructive obligation committing the Charity to that expenditure, it is probable that settlement will be required and the amount of the obligation can be measured reliably. Any expected loss from a future conference or meeting is provided for as a liability.

All expenditure is accounted for on an accruals basis. All expenses including support cost and governance cost are allocated or apportioned to the applicable expenditure headings.

e. **Allocation of support and governance costs**

Governance costs comprise all costs involving the public accountability of the charity and its compliance with regulation and good practice. These costs include costs related to statutory audit and legal fees together with an apportionment of overhead and support costs as analysed in notes 6 and 7.

f. **Foreign currencies**

Monetary assets and liabilities in foreign currencies are translated into sterling at the rates of exchange ruling at the balance sheet date. Transactions in foreign currencies are translated into sterling at the rate of exchange ruling at the date of the transaction. Exchange differences are taken into account in arriving at the increase or decrease in funds.

g. **Tangible Fixed Assets for use by the Charity and Depreciation**

Tangible fixed assets are stated at cost less accumulated depreciation other than freehold land and buildings which are stated at valuation. Depreciation is provided on tangible fixed assets at rates calculated to write off the cost, less the estimated residual value of each asset over its estimated life using the straight line method at annual rates as follows:- Office Furniture and Equipment 25%. Computers 33.33%.

The Charity has adopted a revaluation policy in respect of the freehold land and buildings that will be revalued every five years. The fair value of land and buildings is determined from market based evidence by appraisal undertaken by a professionally qualified valuer.

Revaluation gains and losses are recognised in the Statement of Financial Activities.

h. **Stock**

There are stocks of publications, being surplus copies printed but not sold in the year. No value has been placed on stocks of these publications in these financial statements.

i. **Fixed asset investments**

Investments are a form of basic financial instrument and are initially recognised at their transaction value and subsequently measured at their fair value as at the balance sheet date using the closing quoted market price. The statement of financial activities includes the net gains and losses arising on revaluation and disposals throughout the year.

The Trust does not acquire put options, derivatives or other complex financial instruments.

The main form of financial risk faced by the charity is that of volatility in equity markets and investment markets due to wider economic conditions, the attitude of investors to investment risk, and changes in sentiment concerning equities and within particular sectors or sub sectors.

j. **Realised gains and losses**

All gains and losses are taken to the Statement of Financial Activities as they arise. Realised gains and losses on investments are calculated as the difference between sales proceeds and their opening carrying value or their purchase value if acquired subsequent to the first day of the financial year. Unrealised gains and losses are calculated as the difference between the fair value at the year end and their carrying value. Realised and unrealised investment gains and losses are combined in the Statement of Financial Activities.

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2025

k. **Pension Costs**
Contributions in respect of the Charity's defined contribution schemes are charged to the statement of financial activities for the year in which they are payable to the pension schemes.

2. **a. Auditors remuneration**
The auditor's remuneration constituted an audit fee of £8,360 (2024 - £8,360) and additional advisory work and accountancy of £4,797 (2024 - £4,641).

2. **b. Analysis of staff costs**

	2025	2024
	£	£
Remuneration	183,640	177,097
National Insurance	3,695	2,709
Life Assurance	1,393	1,262
Pension Costs	7,239	7,169
TOTAL	195,967	188,237

The average monthly headcount was 12 staff (2024 - 11) and the average monthly number of full-time equivalent employees (including part time staff) during the year was as follows:-

	2025	2024
Publishing	4	4
Office Staff	2.5	2.5
Total	6.5	6.5

One employee had employee benefits that fell within the band £70,000 - £79,999 (2024 £70,000 - £79,999 One). All employee time is involved in providing either support to the governance of the charity or support services to the charitable activities.

c. Key management compensation

	2025 £ Salary	2025 £ Pension	2024 £ Salary	2024 £ Pension
Executive Director	73,536	-	75,366	-
Finance and Operations Manager	55,923	4,800	54,488	4,800

In addition to the above, national insurance contributions totalled £1398 (2024 - £696)

3. ALLOCATIONS TO GROUPS by General Fund
An allocation is made to eight special interest groups of £16,000 for the year (2024 - £16,000).

	Page	2025	2024
4. VOLUNTARY INCOME - Donations		£	£
Sustaining Membership Restricted Fund	22	1,567	1,587
General Fund - Geological Society	23	2,250	2,250
Special Interest Groups	24		
Geochemistry Group			8,400
Metamorphic Studies Group			1,000
		-	9,400

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2025

5. INVESTMENT INCOME

	2025	2024
	£	£
Dividends and Interest		
Unrestricted Funds	23,429	24,498
Restricted Funds	997	1,150
Individual Groups	2,097	2,073
	26,523	27,721
Interest on Cash Deposits	4,092	4,247
On Listed Investments	22,431	23,474
	26,523	27,721

6. OFFICE EXPENSES The breakdown of office costs and how these are allocated between Governance and Charitable Activities is shown below:-

		2025	2024
		£	£
Office Staff Remuneration		138,842	136,612
Reimbursement of staff expenses	EMC 2024	-19,797	-
	EMU 21	-4,413	-
	MDSG	-	-3,323
		114,632	133,289
Office Staff Expenses		318	-
Rent, Rates and House Expenses		5,149	6,074
Printing, Stationery, Maintenance of Office Machines		876	1,183
Insurance		1,687	2,036
Postage, Telephone and Computer		11,039	16,778
Bank and Credit Card Charges		3,720	4,042
Miscellaneous Expenses including office assistance		557	114
		23,346	30,227
		137,978	163,516

Allocation as follows:-

	2025	2024	2025	2024
	%	%	£	£
Charitable Activities	76	76	104,863	124,272
Governance and Support Costs (Note 7)	24	24	33,115	39,244
	100	100	137,978	163,516

Allocation is calculated on the basis of staff time, cost and office usage.

7. SUPPORT COSTS

	2025	2024
	£	£
Governance and Support Costs		
Office Expenses 24% (2024 - 24%) (see note 6)	33,115	39,244
Business Meetings Expenses (Travel)	1,709	579
Website development	-	260
Investment Charges	4,359	4,449
Auditor's Remuneration	13,157	13,001
Total Allocated	52,340	57,533

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2025

8. TANGIBLE FIXED ASSETS for use by the Charity

	Page	Computers Office and Equipment	Freehold Land and Buildings	Total
Cost or Valuations		£	£	£
1 July 2024		19,446	375,000	394,446
Addition		90	-	90
30 June 2025		19,536	375,000	394,536
Depreciation				
1 July 2024		19,223	-	19,223
Charge for Year		252	-	252
30 June 2025		19,475	-	19,475
Net Book Value				
30 June 2025	25	61	375,000	375,061
30 June 2024		223	375,000	375,223

The freehold land and buildings were valued on the 19 June 2024 by Michael P Martin of Milestone Commercial Agency Ltd, at an open market value at £375,000. Open market value is considered to represent the fair value. The original cost of the freehold land and buildings acquired on 24 November 2006 was £358,978.

9. FIXED ASSET INVESTMENTS

Movement in Fixed Asset Listed Investments	Page	2025	2024
		£	£
Market value brought forward at 1 July 2024		934,719	837,541
Add: Additions to Investments at Cost		211,960	218,009
Cash Retained (Reinvested)		36,580	-24,990
Disposals at Carrying Value - of which £90,000 was withdrawn		-321,437	-174,754
Less: Net Gains (Losses) on Sales and Net Gains (Losses) on Revaluations	22	19,226	78,913
Market Value at 30 June 2025	25	881,048	934,719

Investments at fair value Comprised:	Original Cost 2024	Original Cost 2025	Fair Value 2025	Fair Value 2024
U.K. Investments	£	£	£	£
UK Equities	91,741	58,840	79,272	107,803
UK Bonds	111,235	119,749	128,303	117,176
Multi Asset Funds	9,130	-	-	12,985
Property	67,306	67,306	63,981	62,980
Others	78,916	78,944	80,023	72,485
Cash	-300	36,601	36,601	-300
International Equities Investments	396,477	361,832	453,219	499,990
Non UK Bonds	64,186	39,702	39,649	61,600
TOTAL	818,691	762,974	881,048	934,719

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2025

9. FIXED ASSET INVESTMENTS continued

All investments are carried at their fair value. Investments in equities and fixed interest securities are all traded in quoted public markets, primarily the London Stock Exchange. The basis of fair value for quoted investments is equivalent to the market value, using the bid price. Asset sales and purchases are recognised at the date of trade at cost (that is their transaction value).

10. DEBTORS

	2025	2024
	£	£
Other Debtors and Prepayments	10,856	11,093
Publications	88,642	10,000
Conferences	12,606	28,148
h m Revenue & Customs VAT	634	
	112,738	49,241

11. CASH AT BANK AND IN HAND

		2025	2024
		£	£
Applied Mineralogy Group		15,250	15,525
Clay Minerals Group		37,306	37,083
Environmental Mineralogy Group		6,101	6,273
Geochemistry Group		15,857	16,963
Geomicrobiology Network		17,029	16,408
Metamorphic Studies Group		15,433	13,700
Mineral Physics Group		10,507	13,772
Volcanic & Magmatic Studies Group		28,636	32,373
		146,119	152,097
Group Monies on	Reserve Account	26,119	32,097
	Deposit Account	120,000	120,000
		146,119	152,097
Sustaining Members	Reserve Account	21,609	19,508
Willy Aspinal	Reserve Account	12,096	11,770
		33,705	31,278
Mineralogical Society	Current Account	59,166	38,156
	Reserve Account	5,000	5,000
	Euro Current Account	222,593	143,649
		286,759	186,805
Total Cash at Bank		466,583	370,180

12. CREDITORS AMOUNTS FALLING DUE WITHIN ONE YEAR

	2025	2024
	£	£
Publications		
Cambridge University Press	64,736	62,037
DHZIII	1,121	1,590
EMU 21	3,500	-
Conferences	217,595	168,383
HM Revenue & Customs VAT	-	4,920
Other Creditors	1,066	3,294
Accruals	13,000	13,000
	301,018	253,224

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2025

13. TAXATION

The Mineralogical Society is a registered charity and is not subject to taxation on any excess of Income over expenditure.

14. COMMITMENTS

a) Pension Commitments

The Society operates a defined contribution pension scheme on behalf of its employees. The Society also operates a defined contribution Automatic Enrolment pension scheme on behalf of the employees. The assets of the schemes are held separately from those of the Society in independently administered funds. The annual pension commitment under these schemes are for contributions of 2 x the employees gross contribution, up to a maximum Society contribution of 10%, either to a defined contribution pension scheme or to an automatic enrolment pension scheme.

b) Other Financial Commitments

The Society is committed to support conferences, pay travel costs for mineralogists in future years and produce publications. The anticipated annual cost of this commitment is £53,000 (2024 - £58,000). The Society had no capital commitments on 30 June 2025 (2024 - Nil).

15. REMUNERATION AND EXPENSES PAID TO TRUSTEES

Editorial expenses include remuneration paid to Trustees of:-	**2025**	**2024**
	£	£
G.E. Christidis	4,000	4,000
H. Dong	2,000	2,000
A. Engel	4,000	2,000
J. Lloyd	4,000	3,577
S. Mills	4,000	3,979
R.H. Mitchell	4,000	4,000
L. Shi	2,000	-
Chun-Hui Zhou	4,000	4,000

In addition £2487 (2024 - £839) is reimbursed to eight (2024 - three) trustees for editorial travelling and accommodation expenses.

16. RELATED PARTY TRANSACTIONS

No trustee had any personal interest in any contract or transaction entered into by the charity in the year.

17. PRIOR YEAR COMPARATIVE FIGURES FOR THE FINANCIAL STATEMENTS

CONSOLIDATED STATEMENT OF FINANCIAL ACTIVITIES 2024

	Unrestricted Funds	**Restricted Funds**	**Total Funds**
	£	£	£
Total Income	296,836	5,428	302,264
Total Expenditure	-337,998	-3,250	-341,248
Net expenditure and Net Movement in Funds before Gains and Losses on Investments	-41,162	2,178	-38,984
Surplus on property revaluation	30,000	-	30,000
Net (Deficit) Gains on Investments	78,913	-	78,913
Net Movement in Funds	67,751	2,178	69,929
Total Funds 1 July 2023	1,375,681	30,529	1,406,210
Total Funds 30 June 2024	1,443,432	32,707	1,476,139

The statements of Financial Activities include all gains and deficits recognised in the year.
All incoming resources and resources expended derive from continuing activities.

Mineralogical Society of the United Kingdom and Ireland

England & Wales - Charity number 233706

Accounts

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND

ANNUAL REPORT AND AUDITED FINANCIAL STATEMENTS

FOR THE YEAR ENDED 30 JUNE 2024

David M. Rees & Associates Limited

CHARTERED ACCOUNTANTS

Well Cottage
Cucumber Lane
Essendon
Hertfordshire AL9 6JB

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
ANNUAL REPORT AND AUDITED FINANCIAL STATEMENTS FOR THE YEAR ENDED 30 JUNE 2024

INDEX

	Page
Trustees and Advisors	1 and 2
Report of the Trustees	3 to 20
Report of the Independent Auditors	21 and 22
Statements of Financial Activities	23 to 25
Balance Sheet	26
Notes to the Financial Statements	27 to 33

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
REFERENCE AND ADMINISTRATIVE INFORMATION
Trustees and Advisors for the year ended 30 June 2024

PRESIDENT		S. Gibson S. Shaw - Appointed and as President Elect 1 January 2024
VICE-PRESIDENTS		J. Byrne A. Neumann - Resigned 31 December 2023 H. Pendlowski - Appointed and as Vice President 25 April 2024
TREASURER		J. Harvey - Resigned 31 December 2023 S. Hammond - Appointed as Treasurer 1 January 2024
GENERAL SECRETARY		E. Deady
PUBLICATIONS MANAGERS		R.J. Bowell
PUBLIC RELATIONS OFFICER		J. Byrne
ELEMENTS REPRESENTATIVE		M.E. Hodson - Resigned 31 December 2023 M. White - Appointed 1 January 2024
EQUALITY DIVERSITY and INCLUSION OFFICER		L. Kelly
PRINCIPAL EDITORS	Mineralogical Magazine	S. Mills R.H. Mitchell
	Clay Minerals	G.E. Christidis Chun-Hui Zhou
	Geo-Bio Interface	H. Dong - Appointed 1 January 2024 A. Engel - Appointed 1 January 2024 J. Lloyd - Appointed 1 January 2024
GROUP CHAIRS		
Applied Mineralogy Group		M. Smith
Clay Minerals Group		A. Neumann - Resigned as chair 21 November 2023 H. Pendlowski - Appointed as chair 25 April 2024
Environmental Mineralogy Group		L. Newsome - Resigned 20 November 2023 L. Townsend - Appointed 10 April 2024
Geochemistry Group		M-A. Millet - Resigned 10 April 2024 P. Savage - Appointed 10 April 2024
Geomicrobiology Network		J. Moreau
Metamorphic Studies Group		O. Weller
Mineral Physics Group		O. Lord
Volcanic & Magmatic Studies Group		T. Mather

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
Trustee and Advisors for the year ended 30 June 2024

ORDINARY MEMBERS OF COUNCIL	A. Costanzo - Appointed 1 January 2024 H. Elms - Appointed 1 January 2024 R. Gertisser - Appointed 1 January 2024 C. Manning M. Rumsey - Resigned 31 December 2023 B. Sarkar R. Taylor - Resigned 31 December 2023 N. Gray-Wannell - Resigned 31 December 2023
CUSTODIAN TRUSTEES	H. Downes - Appointed as Custodian Trustee 1 January 2024 M. Widdowson - Resigned 31 December 2023 D. Wray - Resigned 31 December 2023 J. Lloyd - Appointed as Custodian Trustee 1 January 2024 M. Anand - Appointed 1 January 2024
OFFICE	12 Baylis Mews 93 - 101 Amyand Park Road Twickenham Middlesex TW1 3HQ
ADMINISTRATION	K. Murphy - Executive Director R. Rajendra - Finance and Operations Manager
AUDITORS	David M. Rees & Associates Limited Well Cottage Cucumber Lane Essendon Hertfordshire AL9 6JB
SOLICITORS	Nabarro Nathanson Lacon House 84 Theobald's Road London WC1X 8RW
BANKERS	Coutts & Co 440 Strand London WC2R 0QS
INVESTMENT MANAGER	Schroder & Co. Limited, trading as Cazenove Capital 1 London Wall Place London EC2Y 5AU
WEBSITE	www.minersoc.org
CHARITY REGISTRATION NUMBER	233706

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
REPORT OF THE TRUSTEES FOR THE YEAR ENDED 30 JUNE 2024

The trustees present their annual report and the audited financial statements of the charity for the year ended 30 June 2024. The Financial Statements have been prepared in accordance with the accounting policies set out in Note 1 to the financial statements and comply with the charity's governing document instituted on 3 February 1876 (Bye-Laws 10 November 2022 revision) the Charities Act 2011 and the Charities Statement of Recommended Practice ("Charities SORP") applicable to Charities preparing their financial statements in accordance with the Financial Reporting Standard applicable in the United Kingdom and Republic of Ireland (FRS 102) second edition issued in October 2019.

OBJECTIVES AND ACTIVITIES

The object of the Mineralogical Society of the United Kingdom and Ireland, with which the Crystallological Society was amalgamated on 11 December 1883, is 'to advance the education of the public in general (and particularly amongst scientists) on the subject of mineralogy and all related disciplines and to promote research for the public benefit in all aspects of that subject and to publish the useful results. In furtherance of the said objects of the Society but not otherwise the Council of the Society may: publish or cause to be published such periodical and other publications as it thinks fit, establish special interest groups, hold or arrange to be held seminars, conferences or other forms of discussion, award prizes, medals and exhibitions, receive donations or bequests for any general or special purpose connected with the object of the Society, establish or support any charitable institution having object similar to the object of the Society, do all such other things as shall further the attainment of the object of the Society.

Long-Term Strategy

Our long-term strategy remains largely unchanged, though we have added outreach to our list of priorities. The Society's aim is to continue to publish its flagship journals (in the face of significant change in the landscape of journal publishing) and its role in the EMU *Notes in Mineralogy* book series. Support for the Society's Special Interest Groups will continue, both financially and logistically, as it is largely through these SIGs that the Society serves the community of mineralogists. We will continue to be part of the *Elements* 'family' of Societies which distributes *Elements* to all members. The Society will also be involved in the organization and support of scientific meetings (including the International Clay Conference in 2025. Our strategy is to provide these services at an affordable cost to members and libraries. Our service to the student community, i.e. provision of one year's free membership and subsidized membership thereafter, will also continue. Online hosting of scientific events has proven to be an unexpected benefit arising from restricted movements imposed by the pandemic; these are set to continue in various formats. Finally, we are about to launch a new 'Skills and Training' programme, which will help our members and others by providing workshops in a mixture of hard and soft skills.

What difference is the Mineralogical Society seeking to make?

The Society seeks to be a leader in the provision of Society services to the international community of mineralogists. The organization facilitates the gathering of mineralogists to discuss matters of mutual interest, and thereafter to place information in the public domain through dissemination in its publications. We also exist to support the training of new mineralogists and to serve as a source of information for the public.

PUBLIC BENEFIT

In setting our aims and objectives and planning our future activities the trustees have given careful consideration to the Charity Commission's general guidance on public benefit and in particular to its supplementary public benefit guidance on advancing education.

Bursaries

The purpose of the bursary scheme is to support academic work by facilitating attendance at overseas conferences and meetings; encouraging international collaboration, involving research of high merit; or supporting fieldwork. Applications are vetted by the Society's Awards Committee. This year bursaries were awarded to: C. Antoniou (U. Edinburgh); M. Balis (TU Bergkadamei), Freiberg, Germany; J. Benson (U. St. Andrews); R. Subbaraman (U. Manchester); H.Pollak (U. Edinburgh); Kang Xie (U. Glasgow); Peirou Li (U. Exeter); Megan Wafta (Brunel University); Peter McArdle (U. Manchester); E. Heptinstall (U. Aberdeen); K. O'Neill (U. Bristol); and S. Bowie (U. Portsmouth).

A REVIEW OF OUR ACHIEVEMENTS AND PERFORMANCE

Membership

During the year ended 30 June 2024 the Society had a net gain of 25 members. At 30 June 2024 there were 798 Members being 17 Honorary Life Fellows,13 Honorary Fellows, 63 Life Members, 692 Fellows and Members and 13 Emeritus Members. These figures do not include 150 Student Members who are receiving free membership of the society for one year.

Publications Manager
At the end of the annual reporting period, our most recent joint publishing effort with the European Mineralogical Union was published. Volume 21 of the EMU Notes in Mineralogy series: *Chemical Geodynamics of the Earth's Mantle: New Paradigms*, edited by C. Bonadiman and E. Rampone.

Mineralogical Magazine
We wish to thank our Production Editor Helen Kerbey, without whose work the journal would not function efficiently. We commend her for her excellent copy-editing and positive interaction with CUP, our typesetters, and layout personnel. We also note that she responds quickly to queries from authors with regards to their problems with the manuscript submission system. Both editors value her involvement in maintaining the high standards of the Mineralogical Magazine. One Associate Editor resigned (Leo Melluso) and was replaced by Ciro Cucciniello (Napoli). We wish to express our appreciation to all members of our Editorial Board. Without their dedication it would not be possible to publish the Mineralogical Magazine.

This is the seventh year of the journal production under the auspices of the Cambridge University Press. Any problems encountered during the first years have been resolved and the submission and review process is typically operating without problems. However, from June-August 2024 there were significant delays in production due to technical problems at CUP. The immediate access to the on-line versions in a pre-publication format (pre-copy editing) via the CUP web-site of accepted manuscripts and the diverse metrics associated with the papers published has been welcomed by the editors and readers of the journal. Our CUP contacts have provided the editors and the publications committee with valuable and interesting monthly Publisher's Reports on the demographics of citations which were previously unavailable.

The journal has continued to publish high quality papers in wide range of mineralogical and petrological topics, and in the opinion of the Editors remains the premier periodical for publication of papers concerned with theoretical mineralogy, mineral crystal structures and description of new minerals. This status reflects, in part, our policy of providing full-colour imagery without charge.

The impact factor of the journal has risen from the previous low levels of 2019 (1.738) and 2020 (2.062) to 2.8 in 2023 (2 year IF) and is now similar to that of Lithos (2.9) and the Journal of Volcanology and Geothermal Research, but slightly lower than that of American Mineralogist (3.1). Although our impact factor has increased steadily we consider that these changes in the impact factor of the journal are not a reflection on the quality of the papers published as these were very similar in content to previous years. It is possible that the factor has increased with the introduction of the open access agreements between CUP and worldwide universities. The changes in the impact factor are not readily explicable and perhaps indicate the futility of this ever-changing metric in measuring the quality of publications.

Most papers published from July 1st 2023-June 30th 2024 were green open access, although 29 gold open access papers were published, representing no significant increase over the previous year when 27 gold open access papers were published. The journal continues to publish upon receipt the reports (6 this period) of the IMA New Minerals, Nomenclature and Classification (CNMNC) Committee.

Seventy one papers were published between during the reporting period; 73% were in the field of crystallography, theoretical mineralogy and new minerals, and 27% in the fields of general mineralogy, petrology and environmental mineralogy. This distribution represents an increase in the number of crystallographic papers from (65:35) in the previous reporting period. The subject distribution and senior authorship by country has not changed significantly since the last report. Although Italian and Russian crystallographers provide the bulk of our crystallographic papers, our major contributors in all fields originate from Australia, Russia, the USA and Canada.

One book review was published (Bindi & Cruciani: *Celebrating the International Year of Mineralogy: Progress and Diversity of the Las Decade*, published by Springer Nature).

During this reporting time progress has been made on a special memorial issue consisting of 10 papers in recognition of the late Alessandro Guastoni. Delays in publication are related to technical problems at CUP.

In this reporting period 82 manuscripts were accepted for publication and 38 were rejected. The majority of manuscripts rejected were not with the scope of material published in the Mineralogical Magazine. It was evident in some cases that some of these papers had been submitted to, and rejected, by other periodicals.

Clay Minerals
Four issues of Clay Minerals were published between July 2023 and June 2024. The 4 issues contained 27 papers, one review paper two short papers and one obituary. All issues were published under the new agreement with Cambridge University Press. There is a lag in the publication schedule that had been reduced compared to previous year and increased again due to a security problem within CUP. The papers were printed at the new format with larger (A4) pages.

The research articles covered a wide range of applications, from use in industrial production of ceramics to application as selective catalysts and geotechnical applications, from geology of clays and sediments to soils, bentonites and kaolins, synthetic clay minerals, and physical and chemical properties of clays, antibacterial properties of clays, from environmental applications of clays (green chemistry) to nanocomposites, catalysis, adsorption, minerals (smectite, kaolinite, halloysite, vermiculite, sepiolite, palygorskite, illite, zeolites), ceramics and geopolymers, composites of clay minerals, zeolite, drilling

fluids, clay mineral reactors and locations (15 countries from Western Central and Southern Europe, Africa, Asia and South America). The geographical distribution of the published papers is shown in the following table:

Geographical distribution of the published papers

Country	No of papers	Country	No of papers
China	11	Germany	1
Turkey	4	Greece	1
Cameroon	2	Morocco	1
Iran	2	Pakistan	1
Czech Republic	1	Philippines	1
France	1	Tunisia	1
India	1	U.K.	1
Israel	1		

In the interval 1st July 2023-30th June 2024, 80 manuscripts were submitted from 26 countries from Europe, Asia, Africa and South America, 75 of which went through the system. 32 of these manuscripts were rejected or considered unsuitable for the journal. At the same time interval, there were 142 editorial decisions, 45 of which indicated acceptance (37)/conditional acceptance (8), 45 verdicts suggested major revision, 17 suggested minor revision and 35 rejection including non-suitability for the journal (note that more than one verdict is applied to each manuscript, depending on the number of rounds of revision). The overall rejection rate was 42% (39% last year). The average time from submission to first decision was 39.1 days (47.3 last year). This time is well within the target set last year (up to six weeks) and is the result of the collaborative effort of the editors and the reviewers. There is still a delay in the appearance of the first proof but CUP is working on this point. 549 reviewers were invited, of whom 178 reviewers submitted reviews, 128 declined to review, 240 reviewers were uninvited before agreeing, and 3 were terminated after agreeing.

Currently there is one special issue open. The special issue will include papers that were presented to the MECC24 conference that took place in Plzen, Czech Republic. Miroslav Pospíšil, one of journal's AEs will be the guest editor.The deadline for submission of manuscripts has been set at 31 December 2024. The issue will include the George Brown Lecture paper by Katja Emmerich, which was delivered during the conference. Announcement for this special issue will be uploaded on the webpage of the journal. Finally, together with the new reviews' editor, Javier Cuadros, we contacted three potential review authors (N. Fagel, A. Baldermann and H. Hong) who agreed to submit review papers. The paper by N. Fagel was published in September 2024, that of A. Baldermann will be published in December 2024, and H. Hong has not submitted the review paper yet.

The Editorial Board is working pretty smoothly and most of the members are devoted to their duties. The turnaround time for first editorial decision decreased considerably compared to last year and is well within the time decided in previous EB meetings, i.e. 6 weeks. A hybrid EB meeting took place during the Euroclay 2023 in Bari, Italy on 25 July 2023, both with physical and distant presence. A virtual EB meeting via videoconference has been scheduled for mid-November.

The major challenge we face in the publication schedule of the journal, is the publication lag during the last 2 years. Although the lag has decreased considerably and all papers appear in first view option shortly after their final disposition, their allocation to issues remains lengthy. We are trying hard to resolve the problem with CUP. The security issues emerged in early June 2024, exacerbated the lag issue, which however almost returned to normality in September.

The Impact factor (IF) of the journal in 2022 decreased to 1.1 from 1.5 in 2022, following the overall trend observed for nearly all journals in 2023. This decrease reflects the change of the method of calculation of the IF. The journal is on the right track and we expect that the collective effort of the editorial board, staff and publishing team will help to increase the impact factor further in the following years.

Geo-Bio Interfaces

This new Gold Open Access journal was formally launched in July 2023 by the Society (at the Lyon Goldschmidt conference) to support the growing community with research interests at the interface between mineralogy and the biosciences. The journal complements the Society's other established journals, by focusing on four key areas that intersect across the geo-bio interface: biological (including but not limited to microbial) systems, environmental, geochemical (organic and inorganic), and energy and resources. Original submissions describing fundamental, theoretical, experimental, or applied interdisciplinary studies pertaining to any spatial or temporal scale are considered in scope (including research articles, reviews, and rapid communications). This scope is further specified by the following topics.

Section	**Theme**
Biological	Biological controls in the modern and ancient geo-environment
	Biological controls in astrogeobiology

	Biofilm form and function
	Contributions to biogeochemical cycles
	Bioweathering of minerals, rocks and soils
Environmental	Bioremediation of toxic substances and emerging contaminants
	Water treatment and wastewater management
	Biocatalysis of minerals and biomineralization
	Biological controls in carbon capture, storage and disposal
Geochemical	Mineral-microbe-fluid reactions, thermodynamics, and kinetics
	Isotope (bio)geochemistry
	Geochemical and biogeochemical reactions, controls and scaling
	Trace metals and organics in biogeochemical cycles
Energy & resources	Biotransformation of economically important minerals and elements
	Challenges of sustainability and geomaterials
	Microbe-mineral interfaces in soil productivity and agriculture
	Biomining prospecting and resource recovery

The journal was established during this reporting period with three **Principal Editors** (Jon Lloyd, University of Manchester; Hailiang Dong, Chinese University of Geosciences Beijing; Annette Engel, University of Tennessee), and a team of 28 international Associate Editors (below).

Associate Editors: Daniel Alessi, University of Alberta, Canada. Liane G Benning, German Research Centre for Geosciences, Potsdam, Germany. Rizlan Bernier-Latmani, École Polytechnique Fédérale de Lausanne, Switzerland. Michael E. Böttcher, University of Greifswald, Germany. Casey Bryce, University of Bristol, UK. Julie Cosmidis, University of Oxford, UK. Yiran Dong, China University of Geosciences, China. Rosemary Dorrington, Rhodes University, South Africa, Qiaoyun Huang, Huazhong Agricultural University, China. Piet Lens, National University of Ireland, Ireland. Juan Liu, Peking University Beijing, China. Muammar Mansor, University of Tuebingen, Germany. Jenine McCutcheon, University of Waterloo, Canada. Mohamed Merroun, Universidad de Granada, Spain. Andy Mitchell, Aberystwyth University, UK. Mihály Pósfai, University of Pannonia, Veszprém, Hungary. Kevin Rosso, Pacific Northwest National Laboratory, USA. Ana Santos, Natural History Museum, UK. Pinaki Sar, Indian Institute of Technology Kharagpur, India. Yizhi Sheng, China University of Geosciences, China. Liang Shi, China University of Geosciences, China. Lucian Staicu, University of Warsaw, Poland. Yohey Suzuki, The University of Tokyo, Japan. Elizabeth Swanner, Iowa State University, USA. Dominique Tobler, University of Copenhagen, Denmark. Eric van Hullebusch, Institut de Physique du Globe de Paris, France. Karrie Weber, University of Nebraska - Lincoln, USA. Jie Xu, Arizona State University, USA.

The first year of journal activities focused on recruiting the AEs and refining the scope of the journal with their help, building the infrastructure for the journal with CUP (using their existing platforms), promoting the journal and commissioning articles. The Principal Editors note the excellent support from CUP (Chris McEntee, Catherine Hill and Harry Busby) throughout. Helen Kerbey has also played a pivotal role as the Society Production Editor, offering strong support to the editorial board including the logistics of processing our first submissions. The new journal welcomed its first manuscript submission in November 2023, with the first three articles ready to appear at the end of the period under consideration. Collections being promoted include: "Biominerals" and "The Biogeosphere: Above, Below and Beyond", with further collections under consideration.

With the journal now up and running, commissioning of new submissions is a priority as *Geo-Bio Interfaces* becomes established. The Society's SIGs are encouraged to promote the journal, and encourage new submissions, while we continue to publicise the journal at national/international meetings (e.g. EGU, EMC, Goldschmidt), and via the Society's and CUP's marketing campaigns.

Applied Mineralogy Group

The group has welcomed new committee members: Bethan Payne (Edinburgh) – new student representative and EDI representative; Martin Li (Brighton) – ordinary committee member; Onyedika Anthony Igbokwe (St Andrew's) - ordinary committee member; and Rachel Purvis (Southampton) – Student representative.

Many thanks to departing members Katie Mcfall, Hannah Hughes, Rachel Gallagher, Will Brownscombe and Tim Webster.

AMG Bursary calls were held in September 2023 and April 2024. Topics funded included Geochemical characteristics of regolith hosted REE deposits, India; The role of fluids in critical metal deposits; the metallurgy of sulphide mineralisation in the Northern Bushveld Complex; Magmatic controls on Ni-Cu-PGE mineralisation in the Platreef; Earthquake damage in minerals; Seafloor mineralisation; Novel mineral processing techniques; Critical metals deposits and processing; Mineral-microbe interactions in geological disposal facilities. An impressive range of applied mineralogical research!

Issues of the group's newsletter, *Applied Mineralogist*, were compiled (with a many thanks to Christian Bishop for editing) and circulated to the Mineralogical Society Membership in July 23, December 23 and June 2024.

AMG members attend the Mineral Deposits Studies group Annual Meeting in Edinburgh 3rd-5th January 2024. The group sponsored the prize for the best student dissertation project. The prize was awarded to Andy Battagel from Camborne School of Mines for a dissertation on platinum-group element mineralisation the Platreef of the Northern Limb of the Bushveld Complex.

Clay Minerals Group

Committee Meetings
The CMG held four committee meetings, all online (5th July 2023, 21st November 2023, 15th February 2024 and 30th April 2024).

Research in Progress Meeting
The CMG's Research in Progress (RiP) Meeting took place on the 17th May 2024 at the University of Edinburgh and was organised by Valentina Erastova, Sarah Stewart, Hannah Pollack (all of the University of Edinburgh) and Nia Gray-Wannell (The James Hutton institute). An in-person pre-meeting workshop was held on the 16th May 2024. This workshop covered the use of '*ClayCode*'. The main meeting on the 17th May, was titled '*Molecular Modelling in Clay Science*' and two sessions were held on the day; the first titled '*Creating Accurate Clay Models*' and the second '*Application within Clay Science*'. There were two keynote talks presented, one by Andrey Kalinichev (IMT Atlantique, France) and another by Chris Greenwell (Durham University, UK).

The meeting remained free for all delegates to attend, and it was a successful event in an emerging area of clay science. Overall, there were 2 keynotes, 12 presentations from students, ECRs and established individuals, and seven poster presenters (with those present online able to briefly discuss their posters with the judging panel). The event was enjoyed by a good number of attendees both in-person and online.

The best student poster award went to Rogers Swai (Umeå University, Sweden) for the poster titled "*Molecular dynamics simulation of ciprofloxacin adsorption on sodium montmorillonite*", and the best student talk award went to Rixin Zhao (China University of Petroleum (East China), China) for "*Revealing crucial effects of reservoir characteristics and hydrocarbon fractions on fluid behaviour in kaolinite pores*". Both awardees were online participants in the meeting.

CMG Newsletter 'Phyllosophical News'
A team of Early Career Clay Scientists has been working on putting together a regular CMG newsletter, which was launched as part of the 75-year Jubilee Year. The third issue was published in August 2023 and the fourth issue in April 2024. The issues continue to cover technical science and some 'lighter' articles.

We are very indebted to the original editorial team who have now fully handed over the publication of the newsletter to the new team, following a joint production of the fourth newsletter.

Original editorial team: Megan Baker (University of Durham), Nia Gray-Wannell (Hutton Institute) and Maggie White (Newcastle University).
Current editorial team: Hannah Pollak (University of Edinburgh), Gloria Wie-Addo (Sheffield Hallam University) and Jagannath Biswakarma (University of Bristol).

Bursaries
The CMG continues to offer support for conference attendance through their ordinary bursary. In the reporting time, we have had six applications for ordinary bursaries, of which four were awarded for attending our RiP meeting. However, three remained unclaimed due to issues with visa applications and changes to travel plans. The other two applications (to attend other conferences) were declined.

We have had one application for our research grant. However, this could not be processed due to incomplete information. There will be a focus on advertising this grant going forward.

European Clay Groups Association (ECGA)
During this period the ECGA, of which the CMG is an active member, have elected a new president and secretary for the group (Maguy Jaber and Peter Uhlík, respectively). The group has also reviewed, and agreed in principle, the Spanish Clay Group's proposal to organise and run the next Euroclay meeting, which will be the first under the new name of CLAY 2027. Under the new leadership, discussions have also started regarding applying for funding for training and networking events. A proposal for COST Action funding is at the early stages of planning and should be submitted in October 2024.

CMG-sponsored activities
George Brown Lecture: During the reporting period, the CMG provided talks at prestigious Clay Conferences such as Euroclay (Bari, Italy, 24-27 July 2023), where Janice Bishop (SETI Institute & NASA Ames Research Centre) delivered the 24th George Brown Lecture (*Characterizing phyllosilicates on Mars and what they reveal about ancient geochemical environments*) on behalf of the CMG. The review paper related to this George Brown Lecture will be published in *Clay Minerals* soon.



Conference Organisation
The CMG, under the lead of Steve Hillier and Kevin Murphy, continue with the organization for the XVIII International Clay Conference (ICC) in Dublin, Ireland 13-18 July 2025. The website is now populated with a lot of information, including details on available bursaries (including those from the CMG) and details for the call for sessions which will open in July 2024.

Social Media
The CMG's Twitter (X) account (@CMG_minsoc) remains one of our important means of communication. The LinkedIn Group (Clay Minerals Group (MinerSoc)) is targeting outreach to and communication with industrial colleagues.

Howie Award – November 2023
We extend our congratulations to Marta Pelayo, Thomas Schmid, Francisco Javier Díaz-Puente and Jerónimo López-Martínez, who were winners of the 2023 Howie Award (Best Paper Award) for their paper, *Characterization and distribution of clay minerals in soils of Fildes Peninsula and Ardley Island (King George Island, maritime Antarctica)*. Their paper was published in our journal *Clay Minerals*.

Annual General Meeting and CMG Committee Membership
The CMG AGM was held online on 21st November 2023. Helen Pendlowski was elected as Chair of the group and Anke Neumann as the Secretary. Kirill Shafran was elected to replace Francis Clegg as Treasurer. Francis will remain as an ordinary member of the committee, but we thanked him for all of his work during his time as Treasurer.

The committee membership for 2023/2024 is as follows:

Chair: Helen Pendlowski
Secretary: Anke Neumann
Treasurer: Kirill Shafran
Principal Editors *Clay Minerals*: George Christidis, Chun Hui Zhou
EDI representative: Binoy Sarkar
Members: Megan Baker, Francis Clegg, Steve Hillier, Simon Kemp, Alastair Marsh, David Wray

Environmental Mineralogy Group

Committee Roles
There have been some further changes to the roles on the EMG committee since the previous annual report. Long-serving members of the committee, Laura Newsome and James Byrne, have stepped down from the committee. Other members of the committee have also left and so there is now a new-look EMG committee. Despite the changes below, the committee is

actively seeking new members, particularly those who wish to join in role of Early Career representative. The current committee is as follows:

Chair: Luke Townsend
Secretary & EDI Representative: Kath Rothwell (k.rothwell@bristol.ac.uk)
Treasurer: Tom Neill
Communications Officer: Rick Kimber
Early Career Representative: Vacant
Student Representative & Newsletter Editor: Latham Haigh
Industrial Representative: Aislinn Boylan

Research in Progress (RiP) Meeting 2024
The 2024 EMG RiP was set to take place in July and was very successful. The meeting was hosted at the University of Manchester jointly with the RSC Radiochemistry Group. A full report was submitted to the Society and is due for publication in 'Elements' magazine.The meeting brought together researchers from a wide variety of UK institutions and career stages for a valuable two half day meeting where themes that were covered included radioactive and non-radioactive contaminated land, geological disposal of radioactive waste, and mining. The keynote talk was delivered by Prof Claire Corkhill (University of Bristol) whose engaging and interesting work intersected the two themes of environmental mineralogy and radiochemistry very well, drawing on how naturally occurring minerals can help to inform disposal of radioactive waste.

As the meeting was held jointly with the RSC Radiochemistry group, there was the opportunity for EMG members to explore new areas of science to which they may not usually be exposed, including advanced spectroscopic analytical techniques and modelling. This was also true for members of the RSC Radiochemistry group who were attending and as such, good, insightful discussions were had between all attendees. These positive interactions were not just limited to the presentation sessions as the optional meal was well attended and this provided an invaluable opportunity for researchers to network with their peers in a more relaxed setting.



Newsletter

Latham Haigh continues to work on the newsletter with the latest version available here: Environmental Mineralogy Explorer - Mineralogical Society of the UK and Ireland (minersoc.org)

Early Career & PhD Bursaries
Over the year, two sets of Early Career & PhD bursary were awarded. In November 2023 one Early Career bursary was awarded (Rémi Rateau) alongside one PhD bursary (Boontharee Chomhom). In April, three awards were made; one ECR (Natalie Byrd) and two PhD students (Aidan Friskney & Mingyu Feng).

EMC (Dublin) Support
The EMG agreed to support the cost of a speaker at the international EMC conference in Dublin. The session (Crystallisation of carbonates: Mechanisms, kinetics, methods, case studies, and novel applications), organised by Rémi Rateau, invited Ashley King of the Natural History Museum, London, to present their work on 'Tracing Fluids in the Early Solar System Using Carbonates'.

Geochemistry Group

The Geochemistry Group promotes geochemistry as a discipline, and enhance links between the many areas of geochemistry. We have a particular focus on early career geochemists (PhD candidates and postdocs) and look to provide a showcase for new geochemical talent in the UK and Ireland. Our main activities include an annual Geochemistry Group Research in Progress meeting in April each year (Durham in 2024), as well as running two postdoctoral awards, student travel bursaries and meeting support.

At the AGM at the GGRiP meeting in Durham, a new Chair was appointed (Paul Savage). This brings an end to Marc-Alban Millet's role on the GG committee; we would like to thank Dr Millet for his years of sterling service to the committee, over 7 years. The new committee chair has set out his action plan which aims to focus on the following aspects:

- Increase engagement across the UK, particularly in academic institutions where previously this has not been strong, as well as with industry
- Increase cross-PSIG collaboration
- Increase the ability and reach of the Geochemistry Group to financially support the UK and Ireland geochemistry community.

We are continuing with our two online panel discussion series, ECR Skills Programme, and Out of Academia – Into Science. In the past year we held three ECR skills events entitled "Things I wish I knew when I started my PhD", "Navigating Peer-review" and "Navigating PDRA positions". Going forward, we will repeat our "Things I wish I know when I started my PhD" event in the autumn of 2024, and have a "Data visualisation" workshop in preparation.

The Out of Academia events were previously ran as panels, but are now moving to a written format with profiles available on the GG website as a resource for the community. We have plans for profiles on "Moving in and out of academia" and "Green energy transition" employees.

We have put in place a peer mentorship scheme, which ran for the first time in 2024. The Geochemistry Group Mentor Scheme (GGMS) is designed to connect ECRs and PhD students with more established geochemists. ECRs and PhD students who are members of the Mineralogical Society of the UK and Ireland, and/or the Geological Society of London are eligible to apply. Mentees were paired to mentors based on mentees' preferences expressed during application (e.g. career stage vs subject area).

This first year had 12 mentees (out of 25 applicants, including PhD, ECR and technical staff with UK/Ireland:overseas ratio of 5:1) and 9 mentors (all drawn from the GG committee in the initial year). It was viewed as a success by both mentors and mentees and will be ran again in 2025.

The Geochemistry Group continues to award bursaries to support scientific meetings, as well as student travel grants. We also make 2 awards annually, specifically focused on celebrating the success of postdocs. These are awarded at the first meeting in each calendar year. This years' postdoctoral medal, which recognises the best paper in a given year first-authored by a postdoc, was awarded to Dr Rayssa Martins (Cambridge) for the following paper:

Martins, R., Kuthning, S., Coles, B. J., Kreissig, K., & Rehkämper, M. (2023). Nucleosynthetic isotope anomalies of zinc in meteorites constrain the origin of Earth's volatiles. *Science*, **379**(6630), 369-372.

The ECR prominent lecturer award was awarded to Dr Ross Whiteford (University of St Andrews, now at Royal Holloway). This awards funds a lecture tour that will allow Dr Whiteford to promote himself and his research.

Finally, our annual conference, Geochemistry Group Research In Progress, (GGRiP) 2024 took place at the University of Durham from the 9th to 11th of April. We ran this event over 2.5 days, there were 106 delegates, representing over 20 institutions; approximately 40% of delegates registered as students. The keynote speakers were Drs. Elliott Carter (Keele), Rayssa Martins (Cambridge), Erin McClymont (Durham) and Michelle Harris (Plymouth). The venue was excellent (the Teaching and Learning Centre) and the committee would like to congratulate the Local Organising Committee (Drs. Catriona Menzies and Julie Prytulak) as well as Marc-Alban Millet and Marie-Laure Bagard, and Kevin Murphy and Russell Rajendra for helping to arrange such an excellent meeting. The committee would also like to thank the industry sponsors.

At GGRiP, the committee welcomed 4 new members to replace departing members. As of 31st June 2024, the committee was composed as follows:

Chair: Paul Savage
Secretary: Marie-Laure Bagard
Treasurer: Jane Barling
Communications: George Cooper
Ordinary Members: James Bendle, Catriona Menzies, Kathryn Shaw, Helen Williams, David Wilson, Eleanor Georgiadis, Madeleine Stow

Co-opted members: Queenie Chan, Savannah Moore
Student members: Fawn Holland, Chen Xu

Geomicrobiology Network

Committee meetings were held on 24/10/2023, 27/02/2024 and18/06/2024.

A joint Research in Progress meeting was run with the Environmental Mineralogy Group, at the University of Limerick, on 7-8 September, 2023.

New social media coordinators were appointed: Neda Tomlinson (NHM), Maria Magliulo (NHM) during the year. The committee updated its website details and extended outward-facing social media information about GMBN to increase membership, promote the interests of the network and to raise UK/international awareness.

Discussions/planning are ongoing for the GMBN to offer student research bursaries (expected autumn 2024).

Discussion is also ongoing about the possibility of co-hosting the GMBN 2025 RiP with a Geobiology Society event.

The Network is actively involved in promoting the new Mineralogical Society-Cambridge University Press journal, *Geo-Bio Interfaces.*

We are planning that the seminar series will restart in autumn 2024 with the first presentation by Dr Matt Streets on, 'The Transition into Industry: 10 Key Skills for Early Career Researchers'.

We have devoted some time at committee meetings to the question: 'How can we continue to serve/support our members intellectually and professionally?'

Metamorphic Studies Group

This report summarises the main activities of MSG, including the flagship Research in Progress (RiP) meeting, the Barrow Award, outreach initiatives and committee meetings.

2024 Research in Progress meeting
The annual MSG 'Research in Progress' (RiP) meeting was held at the University of Bristol on 26–28 March. The meeting comprised a one-day kinetics workshop, led by John Wheeler (University of Liverpool), followed by a two-day conference. The meeting was held as a hybrid event, with 39 people in person, and 16 people joining online. In total, 16 countries were represented, reflecting the increasing international profile of MSG.

Twenty-seven talks were given across the two days of the conference, covering a range of topics spanning from traditional regional studies of metamorphic terranes to modern machine learning approaches to petrographic datasets. A poster session was also held on the first evening, comprising eleven posters.

The meeting finished with the presentation of the 2024 Barrow award to Pierre Lanari (University of Bern, Switzerland), who gave a very thought-provoking presentation on 'Unlocking Earth's secrets: Methods for probing metamorphic Processes'. Alessia Borghini (AGH University of Kraków, Poland) also gave a fascinating keynote talk on 'Melt inclusions in eclogites record deep element cycles and element transfer to the mantle'. Finally, Richard Taylor (Zeiss) gave a talk on behalf of Zeiss microscopy, who generously sponsored the event, on the cuttings edge of 'How deep learning is changing microscopy'. We were delighted that all invited speakers were able to attend the event in person.
Alix Osinchuk (University of British Columbia, Canada) was awarded the student talk prize, with a special commendation given to Hero Bain (University of Bristol). Thorsten Markmann (University of Bern, Switzerland) was awarded the best student poster prize, with a special commendation given to Nicholas Lucas (University of Cambridge).

Special thanks to Freya George (University of Bristol) for organising the meeting, the University of Bristol for hosting the event, Zeiss for sponsoring the event and the student poster prize, and John Wheeler for running the kinetics workshop.

2024 Barrow Award
Dr. Pierre Lanari was the unanimous choice amongst judges for the 2024 Barrow Award, which was announced via various social media platforms on 26 January 2024. The MSG committee wrote an extended citation, which can be read at https://metamorphicstudiesgroup.wordpress.com/. Pierre gave an in-person award winners talk at the 2024 RiP meeting, during which he received the award.

Student bursaries
The annual MSG student bursaries call closed on 31 December 2023. The committee agreed by email circulation to award bursaries to all six applicants, all of whom applied to attend the 2024 RiP meeting.

IUGS 'Second 100'
MSG is an official partner in the selection of 'The Second 100' IUGS Geological Heritage Sites by the 'International Union of Geological Sciences (IUGS) Commission on Geoheritage'. The two metamorphic outcrops put forward by MSG (the Barrow Zones of Scotland, and the Orijärvi region of Finland) have been selected in the final list. The second 100 are to be officially

announced at the 37th International Geological Congress in Busan, South Korea in August 2024. Following reviewer comments, revised versions of the two submissions were sent in for the April 21 deadline.

EMC2024
MSG helped to promote the EMC2024 conference, to be held in August 2024. It sponsored Simon Schorn (University of Mainz) to attend the event as a keynote speaker for the 'Partial melting in continental settings' session.

2023/24 committee meetings
Online committee meetings were held on 8th November 2023 and 20 May 2024.

2024/25 committee
The annual AGM was also held at the RiP meeting, with the committee membership now comprising:
Chair: Owen Weller (University of Cambridge)
Secretary: Richard Palin (University of Oxford)
Treasurer: Batzi Fischer (University of St Andrews)
Barrow award organiser: Freya George (University of Bristol)
Student representative and webmaster: Nicholas Lucas (University of Cambridge)
Committee members: Catherine Mottram (University of Portsmouth), Barbara Kunz (Open University), Clare Warren (Open University)
Vacant: EDI officer, Field trip organiser, International representative

Mineral Physics Group

Research in Progress meeting 2024
Much of our efforts over the past year were focussed on planning our Research in Progress meeting which took place at the Department of Earth Sciences, University College London on the 18th and 19th of July 2024. This included designing the event, setting up a registration website, advertising the event via mailing lists and Twitter and inviting speakers with a view to ensuring a careful balance of gender, career stage and field. The meeting was primarily an "in-person" event but did have online attendees also. All talks were recorded and made available through the meeting website. Because of the central London location, booking a venue for the meeting dinner was a challenge. We opted to cover the cost of the meal for attendees, meaning that we could pre-book a venue at Birkbeck, University of London. Overall, our cost for the meeting was higher than in recent years, £1750, meaning a small reduction in our budget surplus. After the meeting concluded, our AGM was held, where the decision to invite applications for a new chair and at least one new committee member was agreed. It was also decided that the next RiP meeting will be hosted by Edinburgh.

Student bursaries
The MPG runs a student bursary scheme which supports student attendance at scientific workshops and meetings, travel expenses related to research visits and small UK-based research projects. Since the last report, we have had 2 applicants to this scheme, both PhD students from Oxford who used the funds to enable travel to the RiP meeting in London for a total of £500. Given the increase in uptake of this bursary compared to previous years, we consider the changes to eligibility and additional advertising to be a success but still see room for improvement.

Committee membership
Since the last annual report, The MPG committee has seen one member leave (Emilie Ringe, Cambridge) and the chair (Oliver Lord, Bristol) was set to step down in October 2024 (but will continue to serve as an ordinary committee member for the coming year). Alfred Wilson-Spencer applied to serve as chair and the committee unanimously agreed on his election. We advertised for new ordinary members of the committee on our mailing list and had 5 applicants. Based on voting by the committee, we have added Zena Younes (Edinburgh) and Simon Hunt (Manchester), and now consider ourselves to have full membership.

The full committee is as follows:
Chair: Alfred Wilson-Spencer (Leeds)
Treasurer: Stephen Stackhouse (Leeds)
Secretary: Eleanor Jennings (Birkbeck)
Ordinary Members: Oliver Lord (University of Bristol), Auriol Rae (Edinburgh), Tetsuya Komabayashi (Edinburgh), Claire Nichols (Oxford), John Wheeler (Liverpool), Fred Richards (Imperial), Zena Younes (Edinburgh) and Simon Hunt (Manchester).

Volcanic and Magmatic Studies Group

The main activities of VMSG are conferences, sponsoring of awards, funding travel bursaries for PhD students, publishing a quarterly newsletter and keeping in regular contact with our community through email and social media (X, Facebook, Instagram and our YouTube Channel). This report summarises activities from July 2023 to June 2024.

VMSG Committee meetings
The VMSG committee meets formally twice per year, in June and December. In between these dates, we arrange awards meetings, a new structure adopted over the past year to ensure that our awards timelines fit better with international conference scheduling and the summer fieldwork period.

At the committee meeting in June 2023, it was decided to move the winter committee meeting online, to be held in December, rather than having the main committee meeting at the January VMSG conference, given time pressures on the conference schedule. This also meant that final discussions on conference structures can be had among the committee, ahead of the conference. A short, informal committee meeting was also held in October 2023 to progress discussions on 60th Anniversary plans. We will retain the timing of June and December for the main committee meetings in the future. Key discussion points at the December meeting were plans for the Bristol January 2024 conference and final decisions on events to mark the VMSG 60th Anniversary (see below). A second committee meeting was held in June 2024, where major discussion points were plans for the Dublin 2025 conference, alongside updated on 60th Anniversary events and an updated VMSG EDI survey and report. A separate awards meeting was held in April 2024 to make decisions on student bursaries, which worked well and made the June meeting more streamlined. A short committee meeting was also held at the January 2024 meeting in Bristol. The new structure has had the benefit of ensuring more regular contact among the committee through the year.

Conferences

The Annual Winter meeting was held at the University of Bristol from 3-5 January 2024. There were 201 in-person registrants and 10 online attendees, with a 55:45% split of students to non-students. This balance was retained in the division of 43 oral presentations. There were 115 poster presentations. There was a split of 55:45% female to male identifying attendees. Conference sessions were all mixed in terms of theme and included presentations from the three VMSG award winners.

Before the conference, four workshops were organised, with 55 participants overall. The workshops were led by various members of the VMSG community, on the topics of: satellite-based volcano monitoring; data visualisation; volcanoes and their intersection with society; and an ECR fellowship writing workshop. The conference was followed by our AGM where we communicated and discussed VMSG committee activities with the members, and hosted forums with our student members and Early Career Researchers and a new forum dedicated to equality, diversity and inclusion.

The conference student awards went to Tegan Havard (talk) and Ceri Allgood (poster).

We would like to record thanks to all of the local organising committee of Pete Rowley, Juliet Biggs, Sam Mitchell, Ailsa Naismith, Matt Watson, Edna Dualeh and Gregor Weber.

Finances

The total balance in the VMSG account on 30/06/2024 was £32,372.74. This value is unlikely to be able to support the full cost of covering an annual conference in a worst-case scenario so attempts will be made to grow our bank balance.

Over the year, the committee travel expenses include costs incurred for attendance at the VMSG 2024 Bristol conference. A total of eight travel bursaries were claimed in the reporting period. One workshop at the Natural History Museum was supported alongside support for the inaugural IAVCEI VIPS conference. Awards expenditure includes £400 for the WA award winner (Edna Dualeh) and £300 for two student prize winners (Tegan Havard and Ceri Allgood) at the VMSG 2024 Bristol conference. Expenses categorised under 'Other' include an annual audit charge (£592.00), and a copyright payment (£101.50). £840.29 was spent in support of Claire Harnett's travel to represent VMSG at IUGG (shown in 'Meetings and Conferences Support and Donations').

We received our annual contribution of £2000.00 from the parent Societies, £433.06 in interest from investments, and minor reimbursements from VAT reclaimed. We also received £3,428.68 in surplus from the VMSG 2024 Bristol conference.

The net change in the VMSG bank balance between 12/07/2023 and 30/06/2024 was a loss of £1296.97.

VMSG Awards and Bursary Winners

In addition to the student awards presented at the Bristol meeting in January 2024, we presented at Bristol the Willy Aspinall award to Edna Dualeh (University of Leeds), the Zeiss Award to Martin Mangler (University of Durham), and the ThermoFisher Award to Clive Oppenheimer (University of Cambridge). The 2024 awards will be agreed later in the year and presented at the 2025 Dublin meetings.

Two student bursaries were awarded in January 2024 and, following the revised awards timeline, with decisions now to be made on awards rounds in April and October, two further student bursaries were awarded at the April 2024 awards meeting. The Henry Emeleus award was also agreed at that meeting.

Our awards criteria have continued to be a discussion point at committee meetings, with changes now implemented to the awards timeline, as noted above, and to other requirements. The student bursary application rounds have been moved to March and September, to better match with the main conference and field season timings. We have also moved the application deadlines of the Henry Emeleus grant and the Willy Aspinall and Zeiss awards to coincide with these dates, so that awards can be dealt with in short meetings separate from the main committee meetings. The main committee award, the VMSG award, will also be decided at the Autumn meeting. Our changes to submission rules are designed to make accessibility to these awards as wide as possible. VMSG committee members cannot nominate for any award (although can self-nominate for the Zeiss award) and will not be involved in evaluating any award for which they are eligible.

Membership

Our on-line presence remains highly active. Information is disseminated to the group members via our newsletter which is circulated quarterly to a mailing list of ~1000 people, and via the VMSG website (https://vmsg.org.uk/) and active social media accounts. VMSG members are self-identifying and we keep no list of members. During the past year, our EDI officer led a new survey, which has fed into a report that will finalised during late 2024, to help us better understand our community.

VMSG 60th anniversary events

The Bristol meeting marked the start of the VMSG 60th Anniversary events. At the meeting itself, this included a keynote talk from Prof. Steve Sparks; the organisation of an art and photography exhibition, which was displayed at the conference and was also used to produce a 60th Anniversary calendar, the Bristol Volcano Film and Art Festival, which was held immediately after the Bristol conference at the Watershed venue, involving the screening of two films (one with a free screening), a discussion/Q&A, and art exhibits and activities (free entry).

A series of seminars has been running through 2024 at universities across the UK and Ireland to mark the 60th Anniversary. These are, wherever possible, streamed online and/or recorded for the VMSG YouTube channel. They are also open to the public and to students. Generally, these have been part of local seminar series but badged as part of the VMSG 60th Anniversary events and advertised via our structures, in addition to local advertising.

Workshops and other events

Two events were supported by VMSG in July 2023: the Sensing Volcanoes exhibit, which formed part of the Royal Society Summer Exhibition, and the Researchers Responding to Volcanic Crises workshop.

YouTube, Social media and website

Social media followings have continued to grow gradually throughout 2024, with the exception of Twitter/X which showed a slight decrease in the latter half of the year (though this isn't unexpected, given the continued migration of academics from Twitter to BlueSky). From October 2023 to October 2024, new followers on Twitter/X total 381 / 8%, Instagram 65 / 10%, YouTube 26 / 10%, and Facebook 4 / 1%. Specific details are as follows:

YouTube (281 subscribers): Over the past year we have received 3,283 views totalling 108.9 hours, which is roughly equivalent to the previous year. There was a big spike in views associated with release of the recordings from the first two of our 60th anniversary seminars in May 2024. Subscriptions to our channel are sporadic throughout the year. Of our most watched videos, the majority are recorded conference presentations: 29 videos have >100 views. Our most watched video remains "*Addressing inequalities in the VMSG community*" with 822 views to date. Traffic to videos is mostly from a mix of playlist, external and YouTube search sources, between them making up 63.6% of views. The main external sources are Google search, Facebook, X, and the VMSG website (including presenters linking to their own talks).

X (5,262 followers): Our tweets over the past year have usually generated ~700-2000 views each, usually with a dozen or so 'likes' and half a dozen reposts. Engagement has continued to drop since Elon Musk's takeover and associated changes to the platform, which is reflected in the fact that between June and October 2024 we lost followers for the first time. Recently, our most viewed/retweeted tweets have involved announcements for VMSG award nominations, and advertisement of our 60th anniversary seminar series. Despite the recent drop, we've seen an overall increase in new followers over the past year (381) and surpassed 5,000 followers since the end of 2023. There has seemingly been no movement on Musk's threats to bring in a subscription model for all users, but the apparent mismanagement of the platform and proliferation of disinformation (especially with regard to scientific content) has seen a steady migration of scientists and science communicators to other platforms such as BlueSky. As we have also now been able to establish an account on this platform, we can engage with those that have moved and are yet to by posts being shared on both in tandem, and trends in followers for both can be monitored going forwards.

VMSG Committee 2024

- Chair: Prof Tamsin Mather – University of Oxford
- Honorary Secretary: Dr Sebastian Watt – University of Birmingham
- Honorary Treasurer: Dr James Hickey – University of Exeter, replacing Dr Sami Mikhail - University of St Andrews from January 2024

Ordinary Members

- Katie Preece (Equality, Diversity and Inclusion Officer)
- James Dalziel (Social Media lead and shadowing Web manager)
- Emma Nicholson (Liu) (Awards and Bursaries)
- Brendan McCormick (Events/Outreach)
- Pete Rowley (Events/Outreach)
- Lara Mani (Sponsorship)
- Claire Harnett (ECR Rep)
- Ed McGowan (Web manager)
- David Neave (Newsletter)
- Rahul Subbaraman (Student Rep)
- Kerys Meredew (Student Rep)

DISTINGUISHED LECTURER PROGRAMME

The distinguished lecturers for 2023-24 were Prof. Claire Nicholls (U. Oxford) and Prof. Chris Greenwell (Durham U.). Between them, they delivered lectures at the Universities at Manchester, Exeter, Edinburgh, Aberdeen (Nicholls) and Cardiff, Dublin (Univ. College) and Greenwich (Greenwell).

EQUALITY, DIVERSITY AND INCLUSIVITY

The EDI Committee met three times in the period (September, '23, January '24 and March '24). The Committee comprises of a Chair (Laura Kelly) and Vice Chair (Ana Santos), together with Sally Gibson, Kevin Murphy and a diverse group of members representing all the SIGs, some of whom are now retired from the committee. Over the period in question the following were members of the Committee for at least part of the period: Kath Rothwell, Anna Bidgood, Binoy Sarkar, Queenie Chan, Savannah Worne, Oliver Lord, Katie Preece, Ece Kirat, Katie McFall, Helen Pendlowski and Frances Cooper. The Chair would like to acknowledge the valuable input of all past and present Committee members and thank them for their efforts, whilst also encouraging those who believe they could contribute to the Society's ongoing efforts to foster EDI, to consider becoming an EDI Committee member. Please contact the Chair, Vice Chair or Kevin Murphy if you have any queries about Committee membership or role expectations.

Whilst the remit of the EDI Committee was and remains broad, we have focused our efforts during the period on advancing three key areas, namely membership, awards and meetings. With membership our goal was to ensure a unified and open approach to increasing membership numbers, broadening our geographical reach, and making our membership more accessible and appealing to a wider range of people, geographically, economically and with respect to career stage. To achieve this we have thought long and hard about wording on the website, in addition to membership rates, our free memberships and membership benefits. The results of this include a doubling of the free memberships each year (150 to 300) and an extension of the free membership period to three years, together with other benefit modifications listed on the membership pages (www.minersoc.org/membership.html). One of those benefits relates to the second of our key areas of focus over the period, meetings. Meetings are now hybrid as standard and we have generated a checklist for those organising conferences/meetings to promote diversity, inclusivity and equality at all stages of organisation (https://www.minersoc.org/guidelines.html). As part of our review of meetings we have thought about our Code of Conduct and ensured greater visibility on the MinSoc website. In addition we have made significant progress in discussions on how members and meeting attendees can report incidents of bullying, harassment, discrimination or any other unwanted and unacceptable behaviour during Society events. Finally to awards. In reviewing the wording previously used for each award the Committee recognised that there were often ambiguities, and at times conditions and eligibility did not take into consideration issues such as career breaks. These issues have now been resolved on the awards pages and eligibility criteria more robustly and coherently described. We have also extended the criteria considered, moving from the restrictive "evidence in the form of published research" to a broader range of considerations. Furthermore, one of the key debates around awards was whether people should be allowed to self-nominate/apply rather than requiring others to nominate them; it was decided the former would be standard going forward and the website reflects this.

FINANCIAL REVIEW

Treasurer's Report

This report is underpinned by a full set of accounts which have been audited by an independent auditor. This measure is in place to ensure that the Society is being run in accordance with its charitable status, and give a true view of the financial position of the charity at this time.

The main summary of the income and expenditure of the society can be seen in Fig. 1, in the consolidated statement of financial activities. The Society has an operating deficit of £38, 984 (expenditure exceeding income) for the year. This figure might seem initially daunting, but I hope this document can explain some of the reasons behind this. When we consider however the re-valuation of property, and net gains on investments, the society's total funds stand at £1,476,139 (compared to a value of £1,406,210 for the year ending 30th June 2023) and so I believe the society is still in a healthy financial situation.

CONSOLIDATED STATEMENT OF FINANCIAL ACTIVITIES

	Notes	2024 Unrestricted Funds £	2024 Restricted Funds £	2024 Total Funds £	2023 £
Total Income		296,836	5,428	302,264	328,115
Total Expenditure		-337,998	-3,250	-341,248	-312,844
Net expenditure and Net Movement in Funds before Gains and Losses on Investments		-41,162	2,178	-38,984	15,271
Surplus on property revaluation	8	30,000	-	30,000	
Net Gains (Deficit) on Investments	9	78,913	-	78,913	-9,224
Net Movement in Funds		67,751	2,178	69,929	6,047
Total Funds 1 July 2023		1,375,681	30,529	1,406,210	1,400,163
Total Funds 30 June 2024		1,443,432	32,707	1,476,139	1,406,210

Figure 1. Summary of the Society's financial activity in the year ending 30th June 2024 compared to the previous year (see p. 23 of these audited financial statements dated 29 November 2024).

Income streams to the Society can be seen in Fig. 2. Investment income remains relatively steady, increasing slightly compared to the previous year, and membership income seems to continue to decrease, down ~£1,700 from last year. The Special Interest Group (SIG) income has increased by around 15% from the previous year. The main shift in income is due

to a decrease in monies from Cambridge University Press, for our journals, down around £30,000 compared to the year ending June 2023. This is something the Society will need to factor into budgeting moving forwards as the publishing landscape is changing.

Coupled to the decrease in income is an increase in expenditure (Fig. 2). The SIG expenditure has increased significantly (beyond the increase in income) and I think should be taken as a positive sign – the SIGs are increasing their activities again following the recovery from the pandemic, and are supporting more travel bursaries and conferences than in recent years. It should be highlighted here though that this increase in expenditure is all against monies already held in their individual accounts, they are all in credit (see note 11 of the full accounts for the balance of each SIG group within the main SIG account). Other expenditure has largely increased as we would expect. Office expenses have increased (staff renumeration, insurance, utilities etc.), but the balance of expenses assigned to charitable activity compared to those of governance remains relatively constant, with 76% of staff time, costs and office usage supporting the charitable activities of the society, and 24% spent on governance and support costs. This is comparable to the benchmarks suggested by the Charity Commission.

Income	**Notes**	**2024**		**2023**	
		£	£	£	£
Donations and Legacies	4		2,250		2,250
Investment Income	5		24,498		22,775
Income from Charitable Activities					
Members' Subscriptions			28,745		30,478
Gift Aid			389		787
Conference and Meetings Support			-		2,560
Cambridge University Press MM & CM		140,104		180,400	
Cambridge University Press Geo Bio Interface		10,675	150,779	-	180,400
Publications Income			24,551		27,693
Special Interest Groups Income (Page 23)		81,624		72,587	
Less: Allocation from Mineralogical Society		-16,000	65,624	-16,000	56,587
Miscellaneous Income			-		150
TOTAL Income			296,836		323,580
Expenditure					
Contribution to Sustaining Membership Fund			2,691		2,703
Expenditure on Charitable Activities					
Subscriptions			457		643
Journals Expenditure					
Elements			8,737		10,327
Conference and Meetings Expenditure			880		8,621
Mineralogical Society Medals			1,007		1,379
Distinguished Lecturer					902
Website and Future of the Society					
Journal Editorial Costs MM & CM		39,691		39,862	
Journal Editorial Costs Geo Bio Interface		14,594	54,285	-	39,862
Publications Expenditure - Net			-3,768		6,698
Travel Bursaries			4,107		4,110
Special Interest Groups Expenditure (Page 23)		89,229		72,350	
Less: Transactions with the Mineralogical Society		-2,046	87,183	-6,138	66,212
Office Expenses	6		124,272		114,211
Support Costs	7		57,533		52,958
Depreciation	8		614		799
Miscellaneous expenditure					-
TOTAL Expenditure			337,998		309,425

Figure 2. Summary of Society income and expenditure for the financial year ending 30th June 2024, with the previous financial year shown for comparison (see p. 24 of these audited financial statements dated 29 November 2024).

Fig. 3 shows the balance sheet for 30th June 2024. This is useful in comparing our assets to the previous years. The tangible assets (£375,223) include the value of office furniture, computing equipment etc which depreciates in value over time, but also the office at Baylis Mews, which was re-valued in June 2024 (valued at £375,000) and accounts for the jump in this value compared to 2023. Our investments have increased substantially this year, from £837,541 to £934,719. As ever, with investments it is important to note that such increases cannot be expected year on year, and this is considerably better than increases seen at the year ending 30th June 2023. To repeat from the initial paragraphs, overall there has been a slight increase in the overall net worth of the charity.

Figure 4 compares the society budgeted spend compared to the actual spend (column Rees Year ended 30th June) and the difference between these two values. Looking at the overall picture, there is an offset of >£58,000 less income, and >£16,000 less expenditure, meaning an overall variation of £42,000 between that budgeted and actually spent. The budget anticipated a surplus income of £3,413, and the audited accounts show an excess of expenditure of £38,984. Most items differ by <£5000. Exceptional deviations to this include the previously mentioned increased spending by the SIGs (which is difficult to predict by the society as this responsibility lies with the SIGs themselves, and highlights the importance of the SIG budgeting process), and a predicted income from conferences of £20,000 which will be shown in next year's accounts. Other smaller fluctuations in predicted vs actual income and expenditure occur within the individual publication streams. Deviations from predicted spends to actual spends for general costs are much lower individually, and show a reduction of £15,973 actually spent compared to the budget.

	Notes	2024		2023	
FIXED ASSETS		£	£	£	£
Tangible Assets	8		375,223		345,837
Investments	9		934,719		837,541
Total Fixed Assets			1,309,942		1,183,378
CURRENT ASSETS					
Debtors	10	49,241		22,182	
Cash at Bank and in Hand	11	370,180		287,687	
Total Current Assets		419,421		309,869	
LIABILITIES					
Creditors: Amounts Falling					
Due Within One Year	12	-253,224		-87,037	
Total Assets Less Current Liabilities			166,197		222,832
NET ASSETS			1,476,139		1,406,210
The Funds of the Charity:					
Unrestricted Income Funds			1,443,432		1,375,681
Restricted Income Funds - Sustaining Membership Fund		20,937		18,734	
- Willy Aspinall Prize Fund		11,770	32,707	11,795	30,529
TOTAL CHARITY FUNDS			1,476,139		1,406,210

Figure 3. Balance sheet for the Society for the year ending 30th June 2024 with the previous year for comparison (see p. 26 of these audited financial statements, dated 29 November 2024).

MINERALOGICAL SOCIETY'S BUDGET 2023/2024

ACTIVITY		Budget for 2023/2024	Reas Year ended 30 June	Variation with Reas Accounts
Mineralogical Magazine	INCOME		2,544.00	2,544.00
	INCOME -CUP (MM,CM)	140,468.00	140,104.00	-364.00
	INCOME - CONTRIBUTIONS			
	INCOME - DONATION			
	EXPENDITURE			
	EXPENDITURE - (MM,CM)	38,000.00	-46,708.00	-8,708.00
	NET	102,468.00		
Clay Minerals	INCOME	1,500.00	364.00	-1,136.00
	INCOME- GSW			
	INCOME - DONATION			
	EXPENDITURE			
	EXPENDITURE-GSW			
	NET	1,500.00		
Geo Bio Interface Journal	INCOME	12,235.00	10,675.00	-1,560.00
	EXPENDITURE	4,000.00	-7,577.00	-3,577.00
	NET	8,235.00		
EMU Series	INCOME	3,000.00	3,345.00	345.00
	EXPENDITURE	1,500.00	-1,363.00	137.00
	NET	1,500.00		
OHZ	INCOME	17,000.00	15,896.00	-1,104.00
	EXPENDITURE	6,000.00	-4,488.00	1,512.00
	NET	11,000.00		
Landmark Series	INCOME	100.00	47.00	-53.00
	EXPENDITURE	50.00	-37.00	13.00
	NET	50.00		
Other Books	INCOME	1,000.00	2,355.00	1,355.00
	EXPENDITURE	500.00	9,656.00	10,156.00
	NET	500.00		
Conferences	INCOME -SUPPORT			
	EXPENDITURE -OFFICE		-880.00	-880.00
	NET	20,000.00		-20,000.00
Special Interest Groups	INCOME	22,655.00	65,624.00	42,969.00
	EXPENDITURE	19,545.00	-67,183.00	-67,638.00
	NET	3,110.00		
Investment -Drawdown - If needed	INCOME	27,500.00	24,498.00	-3,002.00
Investment	INCOME			
Realised and unrealised Gains	INCOME			
	EXPENDITURE			
	NET	27,500.00		
Miscellaneous	INCOME	2,250.00	2,250.00	
	EXPENDITURE	0.00		
	NET	2,250.00		
General Fund -members subscriptions	INCOME	34,000.00	28,745.00	-5,255.00
Restricted funds	INCOME	3,000.00	-513.00	-3,513.00
Gift Aid	INCOME	1,000.00	389.00	-611.00
	NET	38,000.00		
	Sub Total Income	216,113.00	187,743.00	-28,370.00
Office Staff Remuneration	EXPENDITURE	133,000.00	-133,289.00	-289.00
Office Staff Expenses	EXPENDITURE	5,000.00	0.00	5,000.00
Rent, Rates and House Expenses	EXPENDITURE	7,000.00	-6,074.00	926.00
Printing, Stationery, Maintenance of Office Machinery	EXPENDITURE	3,000.00	-1,183.00	1,817.00
Insurance	EXPENDITURE	2,500.00	-2,036.00	464.00
Postage, Telephone and Computer	EXPENDITURE	13,000.00	-16,778.00	-3,778.00
Bank and Credit Card Charges	EXPENDITURE	3,500.00	-4,042.00	-542.00
Temporary staff Miscellaneous Office Expenses	EXPENDITURE	0.00	-114.00	-114.00
Elements	EXPENDITURE	12,000.00	-8,737.00	3,263.00
Trade Association Fees	EXPENDITURE	1,200.00	-457.00	743.00
Business Meeting Expenses- Officers	EXPENDITURE	3,000.00	-579.00	2,421.00
Bursaries - Student and Senior	EXPENDITURE	6,000.00	-4,107.00	1,893.00
Audit and Accountancy Fees	EXPENDITURE	13,000.00	-13,001.00	-1.00
Depreciation	EXPENDITURE	500.00	-614.00	-114.00
Distinguished Lecturer Costs, Future of the Society	EXPENDITURE	3,000.00	0.00	3,000.00
President's Lunch	EXPENDITURE	0.00	0.00	
Investments Direct Charges	EXPENDITURE	4,000.00	-4,449.00	-449.00
Website development		0.00	-260.00	-260.00
Medals and Medallist Travel	EXPENDITURE	3,000.00	-1,007.00	1,993.00
	Sub Total Expenditure	212,700.00	-226,727.00	-14,373.00
	Income-Expenditure	3,413.00	-38,984.00	42,397.00

Figure 4. Variance of budget for financial year ending 30th June 2024 versus actual expenditure in the same period (these calculations from paperwork produced prior to final audit).

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INVESTMENT POLICY AND PERFORMANCE

In accordance with the Bye-Laws, the Society Trustees have appointed investment managers to implement the investment strategy (*a copy of which available for inspection from the Society office*) and ensure the safety of the underlying funds. Cazenove Capital Management Limited were appointed during 2011 as investment managers. In 2022 a formal investment policy was approved by Council.

RISK MANAGEMENT

The Trustees have considered and reviewed the major risks to which the Society is exposed. The Trustees have a risk management strategy (*a copy of which available for inspection from the Society office*)) which comprises a regular review of the risks to the Society and the establishment of systems and procedures to identify those risks to enable the Trustees to implement action to minimise any potential impact on the Society that should arise.

A key element of the management of financial risk is via a review of the reserves policy and objectives of achieving:

1. Long-term capital growth to ensure the future sustainability of the Society;
2. An option to draw down cash from the investments to support the activities of the Society by:-
    a. providing financial support for meetings and conferences;
    b. providing financial support for journals when needed;
    c. providing monies for donations and awards;
    d. contributing to the cost of the administration needed to support the Society's activities.

The principal funding sources for the Society are the income conferences and from the publication of journals and books.

RESERVES POLICY
The trustees consider that reserves in the region of six months provide sufficient funds and the Society's balance sheet net current assets are in excess of this figure.

PLANS FOR THE FUTURE
Plans are well in hand for our 2025 hosting of the European Mineralogical Conference in Dublin. In conjunction with our partners at Cambridge University Press, we continue with efforts to promote and attract content to our new journal: *Geo-Bio Interfaces*.

STRUCTURE, GOVERNANCE AND MANAGEMENT
The Society is an unincorporated body and its legal status is as a charity under UK Law, Registered Charity Number 233706. Its governing document is its Bye-Laws. The Society, a membership organization, includes Honorary Fellows, Fellows, Members, Honorary Members, Life Members, Life Fellows, Emeritus Members, Emeritus Fellows, Honorary Life Fellows and Student Members who are elected as prescribed by the Bye-Laws of the Society. All members of the Society are eligible for membership of eight special interest groups. The Society is governed by a Council consisting of a President, a General Secretary, a Treasurer, a Publications Manager, a Public Relations Officer, the Principal Editors of *Mineralogical Magazine* and *Clay Minerals* and up to 13 ordinary members. Two Vice-Presidents are nominated from among the elected Council members. Council members are proposed by four Members of the Society and elected by the Council except in cases where an election is required. The administration of the Society is undertaken by staff from its General Office in Twickenham, which is under the supervision of the Executive Director.

The Society has eight special interest groups, each managed by a committee. The eight groups are: the Applied Mineralogy Group, the Clay Minerals Group, the Environmental Mineralogy Group, the Geochemistry Group, the Geomicrobiology Network, the Metamorphic Studies Group, the Mineral Physics Group, and the Volcanic & Magmatic Studies Group. The Geochemistry Group, the Metamorphic Studies Group and the Volcanic & Magmatic Studies Group are joint Groups with the Geological Society of London with which a formal Memorandum of Understanding was signed in 2001 covering a number of areas for co-operation.

Restricted Fund – Sustaining Membership Fund
£1587 was raised from the members towards the sustaining membership fund. This fund was formally established on 1 January 2010. The money is ring-fenced with 90% invested so that the fund can grow and eventually become self-sustaining. The other 10% is used to subsidize the free student memberships and bursaries.

Restricted Fund; the Willy Aspinall Prize Fund
This fund was established by the Volcanic & Magmatic Studies Group during early 2017.The Society manages the restricted fund; it is expected that £800 per year will be disbursed from the fund, ~£400 as a cash award and ~£400 to attend the annual VMSG meeting. The award will be made each year to the lead author of an outstanding paper on applied volcanology published (in English) within three years of the lead author being awarded a PhD at a University in the UK. The prize is named in honour of Prof. Willy Aspinall, a distinguished professor at the University of Bristol and a hazard and risk science consultant.

Trustee Induction and Training
On election to the Council of the Mineralogical Society, an individual assumes a number of responsibilities. It is incumbent upon those new council members to familiarise themselves with their new responsibilities. This is achieved by reading the Society's Bye-Laws thoroughly as well as reading the Charity Commission Document on the 'Responsibilities of a charity trustee'. Trustees are reminded that they are accountable in law for the good governance of the Society. The term of office for a Council Member is three years, meaning that there will be twelve Council Meetings during a term of office. Members are expected to attend all of these meetings. It is also taken that they have familiarised themselves with the paperwork circulated prior to these meetings and be prepared to contribute to the relevant discussions. Membership of any of the standing or *impromptu* subcommittees is encouraged and sometimes may be a more direct means of contributing to the development of the Society.

All newly elected officers managing trustees and Council Members need to confirm to the Executive Director that they have read and understood their responsibilities accordingly.

Committees
The Society has one formal administrative committee which meets regularly to discuss the running of the Society, i.e. its finance, publications, meetings etc., as well as all matters of policy. This is the Finance/Officers/Publications Committee, which includes the President, the General Secretary, the Treasurer, the Publications Manager, the Public Relations Officer, the Principal Editors of the three journals and three Custodian Trustees.

The governing body of the Society is the Council, which comprises the actual charity trustees of the Society, i.e. those who are legally responsible under charity law for the running of the organization. The Council includes the officers, the chairpersons or nominated representatives of the eight special interest groups, and six Fellows or Members who are elected to the position of ordinary member of Council.

Volunteers
In addition to those who volunteer to serve as members of the committees, there are other members who give of their time to benefit the Society and the subject by writing material for publication by the Society, editing such material, by organizing

conferences, including short-courses, field trips etc. (for mineral scientists and for the public at large), and by offering expertise on areas such as web-site and database management, marketing, design, photography etc. Without such support, running of the Society would undoubtedly be less efficient.

Key Management Personnel Remuneration

Senior management personnel, to whom the trustees have delegated significant authority or responsibility in the day-to-day running of the charity, have their remuneration reviewed at the November meeting of council each year. The salaries are bench-marked occasionally against those of similar Learned Societies and with lists provided by organizations such as the Science Council (UK). Spine-point increases are provided in line with staff performance; cost-of-living increases are granted based on the Consumer Price Index (produced by the UK's Office for National Statistics). Both forms of increase depend on the financial health of the organization.

Website

The Society's website is located at www.minersoc.org and contains up-to-date information about the Society, its publications and its meetings. The website is managed and updated by the Executive Director.

Climate Change

As a scientific society, the Mineralogical Society takes responsibility for its carbon footprint seriously. Our Officers', Council and SIG committee meetings for the past couple of years have all been held online and this is likely to continue to a significant extent. We are also now making it possible for many of our scientific events to be attended virtually, avoiding, the need for air travel.

Trustees' responsibilities in relation to the financial statements

The Charity trustees are responsible for preparing the Trustees' Annual Report and financial statements in accordance with applicable law and United Kingdom Accounting Standards (United Kingdom Generally Accepted Accounting Practice).

The law applicable to charities in England and Wales requires the charity trustees to prepare financial statements for each year which give a true and fair view of the state of affairs of the charity and of the incoming resources and application of resources, of the charity for that period. In preparing these financial statements, the trustees are required to:

- select suitable accounting policies and then apply them consistently;
- observe the methods and principles in the applicable Charities SORP
- make judgements and estimates that are reasonable and prudent;
- state whether applicable accounting standards have been followed, subject to any material departures that must be disclosed and explained in the financial statements;
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the charity will continue in business.

The trustees are responsible for keeping proper accounting records that disclose with reasonable accuracy at any time the financial position of the charity and enable them to ensure that the financial statements comply with the Charities Act 2011, the applicable Charities (Accounts and Reports) Regulations and the provisions of the bye laws. They are also responsible for safeguarding the assets of the charity and taking reasonable steps for the prevention and detection of fraud and other irregularities.

The trustees are responsible for the maintenance and integrity of the charity and financial information included on the charity's website in accordance with legislation in the United Kingdom governing the preparation and dissemination of financial statements.

Auditors

A resolution reappointing David M. Rees & Associates Limited as auditors will be put to the Annual General Meeting.

Approved by the trustees on 7 November 2024 **and signed on their behalf by:**

S. Hammond
Treasurer

E. Deady
General Secretary

12 Baylis Mews
Amyand Park Road
Twickenham
Middlesex TW1 3HQ

INDEPENDENT AUDITOR'S REPORT TO THE TRUSTEES' OF MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND

Opinion

We have audited the financial statements of the Mineralogical Society of the United Kingdom and Ireland for the year ended 30 June 2024 which comprise the Statements of Financial Activities, the Balance Sheet, and the related notes to the financial statements, including significant accounting policies. The financial reporting framework that has been applied in their preparation is applicable law and United Kingdom Accounting Standards, including Financial Reporting Standard 102 *The Financial Reporting Standard applicable in the UK and Republic of Ireland* (United Kingdom Generally Accepted Accounting Practice).
In our opinion the financial statements:

- give a true and fair view of the state of the charity's affairs as at 30 June 2024, and of its incoming resources and application of resources, including its income and expenditure, for the year then ended;
- have been properly prepared in accordance with United Kingdom Generally Accepted Accounting Practice; and
- have been prepared in accordance with the requirements of the Charities Act 2011.

Basis for opinion

We conducted our audit in accordance with International Standards on Auditing (UK) (ISAs (UK)) and applicable law. Our responsibilities under those standards are further described in the Auditor's responsibilities for the audit of the financial statements section of our report. We are independent of the charity in accordance with the ethical requirements that are relevant to our audit of the financial statements in the UK, including the FRC's Ethical Standard, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Conclusions relating to going concern

In auditing the financial statements, we have concluded that the trustees' use of the going concern basis of accounting in the preparation of the financial statements is appropriate.

Based on the work we have performed, we have not identified any material uncertainties relating to events or conditions that, individually or collectively, may cast significant doubt on the charity's ability to continue as a going concern for a period of at least twelve months from when the financial statements are authorised for issue.

Our responsibilities and the responsibilities of the trustees with respect to going concern are described in the relevant sections of this report.

Other information

The other information comprises the information included in the trustees annual report, other than the financial statements and our auditor's report thereon. The trustees are responsible for the other information contained within the annual report. Our opinion on the financial statements does not cover the other information and, except to the extent otherwise explicitly stated in our report, we do not express any form of assurance conclusion thereon.

Our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the financial statements or our knowledge obtained in the course of the audit or otherwise appears to be materially misstated. If we identify such material inconsistencies or apparent material misstatements, we are required to determine whether this gives rise to a material misstatement in the financial statements themselves. If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact.

We have nothing to report in this regard.

Matters on which we are required to report by exception

We have nothing to report in respect of the following matters in relation to which the Charities (Accounts and Reports) Regulations 2008 require us to report to you if, in our opinion:

- the information given in the financial statements is inconsistent in any material respect with the trustees' report; or
- the charity has not kept adequate accounting records; or
- the financial statements are not in agreement with the accounting records and returns; or
- we have not received all the information and explanations we require for our audit.

Responsibilities of trustees
As explained more fully in the trustees' responsibilities statement set out on page 20, the trustees are responsible for the preparation of the financial statements and for being satisfied that they give a true and fair view, and for such internal control as the trustees determine is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, the trustees are responsible for assessing the charity's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the trustees either intend to liquidate the charity or to cease operations, or have no realistic alternative but to do so.

Auditor's responsibilities for the audit of the financial statements
We have been appointed as auditor under section 145 of the Charities Act 2011 and report in accordance with the Act and relevant regulations made or having effect thereunder.

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with ISAs (UK) will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

Irregularities, including fraud, are instances of non-compliance with laws and regulations. We design procedures in line with our responsibilities, outlined above, to detect material misstatements in respect of irregularities, including fraud.

Because of the inherent limitations of an audit, there is a risk that we will not detect all irregularities, including those leading to a material misstatement in the financial statements or non-compliance with regulation. This risk increases the more that compliance with a law or regulation is removed from the events and transactions reflected in the financial statements, as we will be less likely to become aware of instances of non-compliance. The risk is also greater regarding irregularities occurring due to fraud rather than error, as fraud involves intentional concealment, forgery, collusion, omission or misrepresentation.

A further description of our responsibilities is available on the FRC's website at: https://www.frc.org.uk/auditors/audit-assurance/auditor-s-responsibilities-for-the-audit-of-the-fi/description-of-the-auditor%E2%80%99s-responsibilities-for. This description forms part of our auditor's report

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

Use of our report
This report is made solely to the charity's trustees, as a body, in accordance with Part 4 of the Charities (Accounts and Reports) Regulations 2008. Our audit work has been undertaken so that we might state to the charity's trustees those matters we are required to state to them in an auditor's report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the charity and the charity's trustees as a body, for our audit work, for this report, or for the opinions we have formed.

Sharan C. Rees FCA
Statutory Auditor
David M. Rees & Associates Limited

WELL COTTAGE
CUCUMBER LANE
ESSENDON
HERTFORDSHIRE AL9 6JB

DAVID M. REES & ASSOCIATES LIMITED
Chartered Accountants and Statutory Auditors

DATED 29 November 2024

DAVID M. REES & ASSOCIATES LIMITED is eligible to act as an auditor in terms of Section 1212 of the Companies Act 2006

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
RESTRICTED FUNDS
STATEMENT OF FINANCIAL ACTIVITIES FOR THE YEAR ENDED 30 JUNE 2024

		2024			
	Notes	Sustaining Membership	Willy Aspinall Prize	Total	2023
Income		£	£	£	£
Donations	4	1,587		1,587	1,473
Investment Income	5	775	375	1,150	359
Income from Charitable Activities					
Support by General Fund		2,691		2,691	2,703
TOTAL Income		5,053	375	5,428	4,535
Expenditure					
Expenditure on Charitable Activities					
Student Membership		-2,850		-2,850	-2,850
Awards			-400	-400	-569
TOTAL Expenditure		-2,850	-400	-3,250	-3,419
Net Income and Net Movement in Funds for the Year		2,203	-25	2,178	1,116

Sustaining membership fund

This fund was formally established on 1 January 2010. The money is ring-fenced with 90% invested so that the fund can grow and eventually become self-sustaining. The other 10% is used to subsidise the free student memberships and bursaries.

Willy Aspinall Prize Fund

The Volcanic and Magmatic Studies Willy Aspinall Prize is a restricted fund established on 8 May 2017 to make an annual award for an outstanding paper in applied volcanology published within three years of the author being awarded a PhD.

CONSOLIDATED STATEMENT OF FINANCIAL ACTIVITIES

		2024			
	Notes	Unrestricted Funds	Restricted Funds	Total Funds	2023
		£	£	£	£
Total Income		296,836	5,428	302,264	328,115
Total Expenditure		-337,998	-3,250	-341,248	-312,844
Net expenditure and Net Movement in Funds before Gains and Losses on Investments		-41,162	2,178	-38,984	15,271
Surplus on property revaluation	8	30,000	-	30,000	
Net Gains (Deficit) on Investments	9	78,913	-	78,913	-9,224
Net Movement in Funds		67,751	2,178	69,929	6,047
Total Funds 1 July 2023		1,375,681	30,529	1,406,210	1,400,163
Total Funds 30 June 2024		1,443,432	32,707	1,476,139	1,406,210

The statements of Financial Activities include all gains and deficits recognised in the year.
All incoming resources and resources expended derive from continuing activities.

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
UNRESTRICTED FUNDS
STATEMENT OF FINANCIAL ACTIVITIES FOR THE YEAR ENDED 30 JUNE 2024

Income	Notes	2024		2023	
		£	£	£	£
Donations and Legacies	4		2,250		2,250
Investment Income	5		24,498		22,775
Income from Charitable Activities					
Members' Subscriptions			28,745		30,478
Gift Aid			389		787
Conference and Meetings Support			-		2,560
Cambridge University Press MM & CM		140,104		180,400	
Cambridge University Press Geo Bio Interface		10,675	150,779	-	180,400
Publications Income			24,551		27,593
Special Interest Groups Income (Page 25)		81,624		72,587	
Less: Allocation from Mineralogical Society		-16,000	65,624	-16,000	56,587
Miscellaneous Income			-		150
TOTAL Income			296,836		323,580
Expenditure					
Contribution to Sustaining Membership Fund			2,691		2,703
Expenditure on Charitable Activities					
Subscriptions			457		643
Journals Expenditure					
Elements			8,737		10,327
Conference and Meetings Expenditure			880		8,621
Mineralogical Society Medals			1,007		1,379
Distinguished Lecturer					902
Website and Future of the Society					
Journal Editorial Costs MM & CM		39,691		39,862	
Journal Editorial Costs Geo Bio Interface		14,594	54,285	-	39,862
Publications Expenditure - Net			-3,768		6,698
Travel Bursaries			4,107		4,110
Special Interest Groups Expenditure (Page 25)		89,229		72,350	
Less: Transactions with the Mineralogical Society		-2,046	87,183	-6,138	66,212
Office Expenses	6		124,272		114,211
Support Costs	7		57,533		52,958
Depreciation	8		614		799
Miscellaneous expenditure					-
TOTAL Expenditure			337,998		309,425

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
GROUPS STATEMENTS OF FINANCIAL ACTIVITIES FOR THE YEAR ENDED 30 JUNE 2024

Groups	Group Funds at bank Note 11	Income: From General Fund	Income: Bank Interest - Note 5	Income: Meetings and Conferences	Income: Donations Received Note 4	Income: Total Income	Expenditure: Meetings and Conferences	Expenditure: Meetings and Conferences Support and Donations	Expenditure: Bursaries and Student Awards	Expenditure: Committee Travel and General expenses	Expenditure: Total Expenditure	Net Income (Expenditure)
		£	£	£	£	£	£	£	£	£	£	£
Applied Mineralogy		2,000	252			2,252		500	4,400	137	5,037	-2,785
Clay Minerals		2,000	525			2,525		3,361	709	50	4,120	-1,595
Environmental Mineralogy		2,000	72	417		2,489	810		1,220	475	2,505	-16
Geochemistry		2,000	180	9,595	8,400	20,175	12,827	793	6,673	66	20,359	-184
Geomicrobiology Network		2,000	223			2,223	902	1,222	174		2,298	-75
Metamorphic Studies		2,000	192	3,549	1,000	6,741	5,316	553	522	89	6,480	261
Mineral Physics		2,000	196			2,196	1,768	1,500	842		4,110	-1,914
Volcanic & Magmatic Studies		2,000	433	40,590		43,023	37,161	1,490	4,102	1,567	44,320	-1,297
		16,000	2,073	54,151	9,400	81,624	58,784	9,419	18,642	2,384	89,229	-7,605

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
GROUPS STATEMENTS OF FINANCIAL ACTIVITIES FOR THE YEAR ENDED 30 JUNE 2023

Groups	Income: From General Fund	Income: Bank Interest - Note 5	Income: Meetings and Conferences	Income: Donations Received Note 4	Income: Total Income	Expenditure: Meetings and Conferences	Expenditure: Meetings and Conferences Support and Donations	Expenditure: Bursaries and Student Awards	Expenditure: Committee Travel and General expenses	Expenditure: Total Expenditure	Net Income (Expenditure)
	£	£	£	£	£	£	£	£	£	£	£
Applied Mineralogy	2,000	70			2,070		1,236	3,475	243	4,954	-2,884
Clay Minerals	2,000	130			2,130	410	1,000	751	296	2,457	-327
Environmental Mineralogy	2,000	29			2,029	265		1,386		1,651	378
Geochemistry	2,000	52	9,277	5,150	16,479	8,460	400	3,370	107	12,337	4,142
Geomicrobiology Network	2,000	61			2,061	1,050		465		1,515	546
Metamorphic Studies	2,000	58	4,771	1,000	7,829	6,301	330	915	12	7,558	271
Mineral Physics	2,000	57			2,057		500			500	1,557
Volcanic & Magmatic Studies	2,000	113	30,419	5,400	37,932	31,677		6,038	3,663	41,378	-3,446
	16,000	570	44,467	11,550	72,587	48,163	3,466	16,400	4,321	72,350	237

The notes on pages 27 to 33 form part of these financial statements

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
BALANCE SHEET AT 30 JUNE 2024

	Notes	2024		2023	
		£	£	£	£
FIXED ASSETS					
Tangible Assets	8		375,223		345,837
Investments	9		934,719		837,541
Total Fixed Assets			1,309,942		1,183,378
CURRENT ASSETS					
Debtors	10	49,241		22,182	
Cash at Bank and in Hand	11	370,180		287,687	
Total Current Assets		419,421		309,869	
LIABILITIES					
Creditors: Amounts Falling Due Within One Year	12	-253,224		-87,037	
Total Assets Less Current Liabilities			166,197		222,832
NET ASSETS			1,476,139		1,406,210
The Funds of the Charity:					
Unrestricted Income Funds			1,443,432		1,375,681
Restricted Income Funds - Sustaining Membership Fund		20,937		18,734	
- Willy Aspinall Prize Fund		11,770	32,707	11,795	30,529
TOTAL CHARITY FUNDS			1,476,139		1,406,210

Signed on behalf of the Trustees

S. GIBSON
PRESIDENT

Approved by the Trustees on the 7 NOVEMBER 2024

Charity Number 233706

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2024

1. ACCOUNTING POLICIES

a. **Basis of preparation and assessment of going concern**

The Mineralogical Society constitutes a public benefit entity as defined by FRS 102.

The financial statements have been prepared under the historical cost convention with items recognised at cost or transaction value unless otherwise stated in the relevant notes to these accounts to include certain items at fair value. The financial statements have been prepared in accordance with the second edition of the Charities Statement of Recommended Practice issued in October 2019, the Financial Reporting Standard applicable in the United Kingdom and Republic of Ireland (FRS 102), and the Charities Act 2011.

The financial statements are prepared on a going concern basis under the historical cost convention, modified to include certain items at fair value. The financial statements are presented in Sterling which is the functional currency of the Charity.
The trustees consider that there are no material uncertainties about the Mineralogical Society's ability to continue as a going concern. The most significant areas of uncertainty that affect the carrying value of assets held by the Mineralogical Society are the level of investment return and the performance of investment markets.

The significant accounting policies applied in the preparation of these financial statements are set out below.

b. **Funds Structure**

Unrestricted funds are available for use at the discretion of the trustees in furtherance of the general objectives of the Charity and which have not been designated for other purposes.
Restricted funds are funds which are to be used in accordance with specific restrictions imposed by donors or which have been raised by the Charity for particular purposes. The aim and use of each restricted fund is set out on the statement of financial activities.

c. **Income recognition**

Voluntary Income - Donations are accounted for when received. Legacies are accounted for on entitlement.
Investment Income - Income from investments is accounted for on a receivable basis.

Members' subscriptions Income - Members' subscriptions are payable in advance on the 1 January each year and are accounted for in the period in which they are received.
During the year ended 30 June 2024 the Society had a net gain of 25 members.
At the 30 June 2024 there were 798 Members being 17 Honorary Life Fellows, 13 Honorary Fellows, 63 Life Members, 692 Fellows and Members and 13 Emeritus Members. These figures do not include 150 Student Members who are receiving free membership of the society for one year.
Conference and meetings income - Income from conferences and meetings are accounted for when the meeting has been held.
Cambridge University Press - Income from Cambridge University Press is accounted for on a prepayment basis as the guaranteed amount is received in advance for the calendar year.
Publications Income - Income from publications are accounted for on a receivable basis.

d. **Expenditure recognition**

Liabilities are recognised as expenditure as soon as there is a legal or constructive obligation committing the Charity to that expenditure, it is probable that settlement will be required and the amount of the obligation can be measured reliably. Any expected loss from a future conference or meeting is provided for as a liability.
All expenditure is accounted for on an accruals basis. All expenses including support cost and governance cost are allocated or apportioned to the applicable expenditure headings.

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2024

e. **Allocation of support and governance costs**
Governance costs comprise all costs involving the public accountability of the charity and its compliance with regulation and good practice. These costs include costs related to statutory audit and legal fees together with an apportionment of overhead and support costs as analysed in notes 6 and 7.

f. **Foreign currencies**
Monetary assets and liabilities in foreign currencies are translated into sterling at the rates of exchange ruling at the balance sheet date. Transactions in foreign currencies are translated into sterling at the rate of exchange ruling at the date of the transaction. Exchange differences are taken into account in arriving at the increase or decrease in funds.

g. **Tangible Fixed Assets for use by the Charity and Depreciation**
Tangible fixed assets are stated at cost less accumulated depreciation other than freehold land and buildings which are stated at valuation. Depreciation is provided on tangible fixed assets at rates calculated to write off the cost, less the estimated residual value of each asset over its estimated life using the straight line method at annual rates as follows:- Office Furniture and Equipment 25%. Computers 33.33%.

The Charity has adopted a revaluation policy in respect of the freehold land and buildings that will be revalued every five years. The fair value of land and buildings is determined from market based evidence by appraisal undertaken by a professionally qualified valuer.

Revaluation gains and losses are recognised in the Statement of Financial Activities.

h. **Stock**
There are stocks of publications, being surplus copies printed but not sold in the year. No value has been placed on stocks of these publications in these financial statements.

i. **Fixed asset investments**
Investments are a form of basic financial instrument and are initially recognised at their transaction value and subsequently measured at their fair value as at the balance sheet date using the closing quoted market price. The statement of financial activities includes the net gains and losses arising on revaluation and disposals throughout the year.

The Trust does not acquire put options, derivatives or other complex financial instruments.

The main form of financial risk faced by the charity is that of volatility in equity markets and investment markets due to wider economic conditions, the attitude of investors to investment risk, and changes in sentiment concerning equities and within particular sectors or sub sectors.

j. **Realised gains and losses**
All gains and losses are taken to the Statement of Financial Activities as they arise. Realised gains and losses on investments are calculated as the difference between sales proceeds and their opening carrying value or their purchase value if acquired subsequent to the first day of the financial year. Unrealised gains and losses are calculated as the difference between the fair value at the year end and their carrying value. Realised and unrealised investment gains and losses are combined in the Statement of Financial Activities.

k. **Pension Costs**
Contributions in respect of the Charity's defined contribution schemes are charged to the statement of financial activities for the year in which they are payable to the pension schemes.

2. **a. Auditors remuneration**
The auditor's remuneration constituted an audit fee of £8,360 (2023 - £7,522) and additional advisory work and accountancy of £4,641 (2023 - £4,448).

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2024

2. **b. Analysis of staff costs**

	2024	2023
	£	£
Remuneration	177,097	154,855
National Insurance	2,709	2,620
Life Assurance	1,262	1,124
Pension Costs	7,169	6,644
TOTAL	188,237	165,243

The average monthly headcount was 11 staff (2023 - 7) and the average monthly number of full-time equivalent employees (including part time staff) during the year was as follows:-

	2024	2023
Publishing	4	2.5
Office Staff	2.5	2
Total	6.5	4.5

One employee had employee benefits that fell within the band £70,000 - £79,999 (2023 £60,000 - £69,999 One). All employee time is involved in providing either support to the governance of the charity or support services to the charitable activities.

c. Key management compensation

	2024	2024	2023	2023
	£	£	£	£
	Salary	Pension	Salary	Pension
Executive Director	75,366		69,439	
Finance and Operations Manager	54,488	4,800	50,972	4,800

In addition to the above, national insurance contributions totalled £696 (2023 - £1,299)

3. ALLOCATIONS TO GROUPS by General Fund
An allocation is made to eight special interest groups of £16,000 for the year (2023 - £16,000).

4. VOLUNTARY INCOME - Donations

	Page		2024	2023
			£	£
Sustaining Membership Restricted Fund	23		1,587	1,473
General Fund - Geological Society	24		2,250	2,250
Special Interest Groups	25			
Geochemistry Group				5,150
Agilent Technologies		1,200		
Anton Parr		600		
Elemental Scientific Instruments		1,200		
Isotopx		1,200		
Zeiss		2,600		
QMX Laboratory		600		
Thermo Fisher		1000	8,400	
Metamorphic Studies Group				1,000
Zeiss			1,000	
Volcanic and Magmatic Studies Group			-	5,400
			9,400	11,550

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2024

5. INVESTMENT INCOME

	2024	2023
Dividends and Interest	£	£
Unrestricted Funds	24,498	22,775
Restricted Funds	1,150	359
Individual Groups	2,073	570
	27,721	23,704
Interest on Cash Deposits	4,247	1,113
On Listed Investments	23,474	22,591
	27,721	23,704

6. OFFICE EXPENSES The breakdown of office costs and how these are allocated between Governance and Charitable Activities is shown below:-

	2024	2023
	£	£
Office Staff Remuneration	136,612	127,634
Reimbursement of staff expenses MDSG	-3,323	-1,110
	133,289	126,524
Office Staff Expenses	-	551
Rent, Rates and House Expenses	6,074	4,664
Printing, Stationery, Maintenance of Office Machines	1,183	940
Insurance	2,036	1,685
Postage, Telephone and Computer	16,778	12,240
Bank and Credit Card Charges	4,042	3,023
Miscellaneous Expenses including office assistance	114	650
	30,227	23,753
	163,516	150,277

Allocation as follows:-	2024	2023	2024	2023
	%	%	£	£
Charitable Activities	76	76	124,272	114,211
Governance and Support Costs (Note 7)	24	24	39,244	36,066
	100	100	163,516	150,277

Allocation is calculated on the basis of staff time, cost and office usage.

7. SUPPORT COSTS

	2024	2023
	£	£
Governance and Support Costs		
Office Expenses 24% (2023 - 24%) (see note 6)	39,244	36,066
Business Meetings Expenses (Travel)	579	628
Website development	260	-
Investment Charges	4,449	4,294
Auditor's Remuneration	13,001	11,970
Total Allocated	57,533	52,958

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2024

8. TANGIBLE FIXED ASSETS for use by the Charity

	Page	Computers Office and Equipment	Freehold Land and Buildings	Total
Cost or Valuations		£	£	£
1 July 2023		19,446	345,000	364,446
Surplus on revaluation		-	30,000	30,000
30 June 2024		19,446	375,000	394,446
Depreciation				
1 July 2023		18,609	-	18,609
Charge for Year		614	-	614
30 June 2024		19,223	-	19,223
Net Book Value				
30 June 2024	26	223	375,000	375,223
30 June 2023		837	345,000	345,837

The freehold land and buildings were valued on the 19 June 2024 by Michael P Martin of Milestone Commercial Agency Ltd, at an open market value at £375,000. Open market value is considered to represent the fair value. The original cost of the freehold land and buildings acquired on 24 November 2006 was £358,978.

9. FIXED ASSET INVESTMENTS

Movement in Fixed Asset Listed Investments	Page	2024	2023
		£	£
Market value brought forward at 1 July 2023		837,541	829,879
Add: Additions to Investments at Cost		218,009	215,037
Cash Retained (Reinvested)		-24,990	-15,964
Disposals at Carrying Value		-174,754	-182,187
Less: Net Gains (Losses) on Sales and Net Gains (Losses) on Revaluations	23	78,913	-9,224
Market Value at 30 June 2024	26	934,719	837,541

Investments at fair value Comprised:	Original Cost 2023	Original Cost 2024	Fair Value 2024	Fair Value 2023
U.K. Investments	£	£	£	£
UK Equities	107,652	91,741	107,803	117,260
UK Bonds	114,755	111,235	117,176	109,851
Multi Asset Funds	18,260	9,130	12,985	24,752
Property	67,306	67,306	62,980	66,803
Others	84,400	78,916	72,485	75,775
Cash	16,369	-300	-300	16,890
International Equities Investments	335,367	396,477	499,990	387,116
Non UK Bonds	45,001	64,186	61,600	39,094
TOTAL	789,110	818,691	934,719	837,541

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2024

9. FIXED ASSET INVESTMENTS continued

All investments are carried at their fair value. Investments in equities and fixed interest securities are all traded in quoted public markets, primarily the London Stock Exchange. The basis of fair value for quoted investments is equivalent to the market value, using the bid price. Asset sales and purchases are recognised at the date of trade at cost (that is their transaction value).

10. DEBTORS

	2024	2023
	£	£
Other Debtors and Prepayments	11,093	13,219
Publications	10,000	2,000
Conferences	28,148	6,963
	49,241	22,182

11. CASH AT BANK AND IN HAND

		2024	2023
		£	£
Applied Mineralogy Group		15,525	18,311
Clay Minerals Group		37,083	38,678
Environmental Mineralogy Group		6,273	6,289
Geochemistry Group		16,963	17,146
Geomicrobiology Network		16,408	16,483
Metamorphic Studies Group		13,700	13,439
Mineral Physics Group		13,772	15,687
Volcanic & Magmatic Studies Group		32,373	33,670
		152,097	159,703
Group Monies on	Reserve Account	32,097	39,703
	Deposit Account	120,000	120,000
		152,097	159,703
Sustaining Members	Reserve Account	19,508	17,408
Willy Aspinal	Reserve Account	11,770	11,795
		31,278	29,203
Mineralogical Society	Current Account	38,156	93,781
	Reserve Account	5,000	5,000
	Euro Current Account	143,649	0
		186,805	98,781
Total Cash at Bank		270,180	287,687

12. CREDITORS AMOUNTS FALLING DUE WITHIN ONE YEAR

	2024	2023
Publications	£	£
Cambridge University Press	62,037	54,415
DHZIII	1,590	1,551
Geoscience World	-	9,656
Conferences	168,383	-
HM Revenue & Customs VAT	4,920	7,367
Other Creditors	3,294	1,048
Accruals	13,000	13,000
	253,224	87,037

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2024

13. TAXATION

The Mineralogical Society is a registered charity and is not subject to taxation on any excess of Income over expenditure.

14. COMMITMENTS

a) Pension Commitments

The Society operates a defined contribution pension scheme on behalf of its employees. The Society also operates a defined contribution Automatic Enrolment pension scheme on behalf of the employees. The assets of the schemes are held separately from those of the Society in independently administered funds. The annual pension commitment under these schemes are for contributions of 2 x the employees gross contribution, up to a maximum Society contribution of 10%, either to a defined contribution pension scheme or to an automatic enrolment pension scheme.

b) Other Financial Commitments

The Society is committed to support conferences, pay travel costs for mineralogists in future years and produce publications. The anticipated annual cost of this commitment is £58,000 (2023 - £46,464).

The Society had no capital commitments on 30 June 2024 (2023- Nil).

15. REMUNERATION AND EXPENSES PAID TO TRUSTEES

Editorial expenses include remuneration paid to Trustees of:-	2024 £	2023 £
G.E. Christidis	4,000	4,000
H. Dong	2,000	-
A. Engel	2,000	-
J. Lloyd	3,577	-
S. Mills	3,979	4,004
R.H. Mitchell	4,000	4,000
Chun-Hui Zhou	4,000	4,000

In addition £839 (2023 - £628) is reimbursed to three (2023 - two) trustees for editorial travelling and accommodation expenses.

16. RELATED PARTY TRANSACTIONS

No trustee had any personal interest in any contract or transaction entered into by the charity in the year.

17. PRIOR YEAR COMPARATIVE FIGURES FOR THE FINANCIAL STATEMENTS

CONSOLIDATED STATEMENT OF FINANCIAL ACTIVITIES

	Notes	30 JUNE 2023 Unrestricted Funds £	Restricted Funds £	Total Funds £
Total Income		323,580	4,535	328,115
Total Expenditure		-309,425	-3,419	-312,844
Net expenditure and Net Movement in Funds before Gains and Losses on Investments		14,155	1,116	15,271
Net (Deficit) Gains on Investments		-9,224	-	-9,224
Net Movement in Funds		4,931	1,116	6,047
Total Funds 1 July 2022		1,370,750	29,413	1,400,163
Total Funds 30 June 2023		1,375,681	30,529	1,406,210

Mineralogical Society of the United Kingdom and Ireland

England & Wales - Charity number 233706

Accounts

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND

ANNUAL REPORT AND AUDITED FINANCIAL STATEMENTS

FOR THE YEAR ENDED 30 JUNE 2023

David M. Rees & Associates Limited

CHARTERED ACCOUNTANTS

Well Cottage
Cucumber Lane
Essendon
Hertfordshire AL9 6JB

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
ANNUAL REPORT AND AUDITED FINANCIAL STATEMENTS FOR THE YEAR ENDED 30 JUNE 2023

INDEX

	Page
Trustees and Advisors	1 and 2
Report of the Trustees	3 to 18
Report of the Independent Auditors	19 and 20
Statements of Financial Activities	21 to 23
Balance Sheet	24
Notes to the Financial Statements	25 to 31

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND

REFERENCE AND ADMINISTRATIVE INFORMATION

Trustees and Advisors for the year ended 30 June 2023

PRESIDENT		S. Gibson - Appointed President 1 January 2023 J. Lloyd - Resigned 31 December 2022
VICE-PRESIDENTS		J. Byrne - Appointed Vice-President 28 April 2023 A. Neumann D. Wray - Resigned as Vice-President 31 December 2022
TREASURER		J. Harvey
GENERAL SECRETARY		J.M. Horák - Resigned as General Secretary 28 April 2023 E. Deady - Appointed 28 April 2023
PUBLICATIONS MANAGERS		R.J. Bowell
PUBLIC RELATIONS OFFICER		J. Byrne
ELEMENTS REPRESENTATIVE		M.E. Hodson
PRINCIPAL EDITORS	Mineralogical Magazine	S. Mills R.H. Mitchell
	Clay Minerals	G.E. Christidis Chun-Hui Zhou
GROUP CHAIRS		
Applied Mineralogy Group		M. Smith
Clay Minerals Group		A. Neumann
Environmental Mineralogy Group		L. Newsome
Geochemistry Group		M-A. Millet
Geomicrobiology Network		K. Olsson-Francis - Resigned 6 July 2022 J. Moreau - Appointed 6 July 2022
Metamorphic Studies Group		O. Weller
Mineral Physics Group		O. Lord
Volcanic & Magmatic Studies Group		T. Mather
ORDINARY MEMBERS OF COUNCIL		F. Cooper - Resigned 31 December 2022 J. Darling - Resigned 31 December 2022 S. Hammond C. Manning - Appointed 1 January 2023 M. Rumsey B. Sarkar - Appointed 1 January 2023 R. Taylor N. Gray-Wannell

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
Trustee and Advisors for the year ended 30 June 2023

CUSTODIAN TRUSTEES		H. Downes - Appointed 10 November 2022 M. Widdowson D. Wray
OFFICE		12 Baylis Mews 93 - 101 Amyand Park Road Twickenham Middlesex TW1 3HQ
EQUALITY DIVERSITY INCLUSIVITY OFFICER		L. Kelly
ADMINISTRATION	Executive Director Finance and Operations Manager	K. Murphy R. Rajendra
AUDITORS		David M. Rees & Associates Limited Well Cottage Cucumber Lane Essendon Hertfordshire AL9 6JB
SOLICITORS		Nabarro Nathanson Lacon House 84 Theobald's Road London WC1X 8RW
BANKERS		Coutts & Co 440 Strand London WC2R 0QS
INVESTMENT MANAGER		Schroder & Co. Limited, trading as Cazenove Capital 1 London Wall Place London EC2Y 5AU
WEBSITE		www.minersoc.org
CHARITY REGISTRATION NUMBER		233706

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
REPORT OF THE TRUSTEES FOR THE YEAR ENDED 30 JUNE 2023

The trustees present their annual report and financial statements of the charity for the year ended 30 June 2023. The Financial Statements have been prepared in accordance with the accounting policies set out in Note 1 to the financial statements and comply with the charity's governing document instituted on 3 February 1876 (Bye-Laws 10 November 2022 revision) the Charities Act 2011 and the Charities Statement of Recommended Practice ("Charities SORP") applicable to Charities preparing their financial statements in accordance with the Financial Reporting Standard applicable in the United Kingdom and Republic of Ireland (FRS 102) second edition issued in October 2019.

OBJECTIVES AND ACTIVITIES FOR THE PUBLIC BENEFIT

The object of the Mineralogical Society of the United Kingdom and Ireland, with which the Crystallological Society was amalgamated on 11 December 1883, is 'to advance the education of the public in general (and particularly amongst scientists) on the subject of mineralogy and all related disciplines and to promote research for the public benefit in all aspects of that subject and to publish the useful results. In furtherance of the said objects of the Society but not otherwise the Council of the Society may: publish or cause to be published such periodical and other publications as it thinks fit, establish special interest groups, hold or arrange to be held seminars, conferences or other forms of discussion, award prizes, medals and exhibitions, receive donations or bequests for any general or special purpose connected with the object of the Society, establish or support any charitable institution having object similar to the object of the Society, do all such other things as shall further the attainment of the object of the Society.

Long-Term Strategy

Our long-term strategy remains largely unchanged, though we have added outreach to our list of priorities. The Society's aim is to continue to publish its flagship journals (in the face of significant change in the landscape of journal publishing) and its role in the EMU *Notes in Mineralogy* book series. Support for the Society's Special Interest Groups will continue, both financially and logistically, as it is largely through these SIGs that the Society serves the community of mineralogists. We will continue to be part of the *Elements* 'family' of Societies which distributes *Elements* to all members. The Society will also be involved in the organization and support of scientific meetings (including the European Mineralogical Conference in 2024 and the International Clay Conference in 2025. Our strategy is to provide these services at an affordable cost to members and libraries. Our service to the student community, i.e. provision of one year's free membership and subsidized membership thereafter, will also continue. Online hosting of scientific events have proven to be an unexpected benefit arising from restricted movements imposed by the pandemic; these are set to continue in various formats. Finally, we are working towards provision of an outreach service which will serve the general public and hopefully help to encourage those from marginalized groups to consider our science as a career.

What difference is the Mineralogical Society seeking to make?

The Society seeks to be a leader in the provision of Society services to the international community of mineralogists. The organization facilitates the gathering of mineralogists to discuss matters of mutual interest, and thereafter to place information in the public domain through dissemination in its publications. We also exist to support the training of new mineralogists and to serve as a source of information for the public.

In setting our aims and objectives and planning our future activities the trustees have given careful consideration to the Charity Commission's general guidance on public benefit and in particular to its supplementary public benefit guidance on advancing education.

Bursaries

The purpose of the bursary scheme is to support academic work by facilitating attendance at overseas conferences and meetings; encouraging international collaboration, involving research of high merit; or supporting fieldwork. Applications are vetted by the Society's Awards Committee. This year eight student bursaries, one senior bursary and the Prichard Bursary were awarded.

A REVIEW OF OUR ACHIEVEMENTS AND PERFORMANCE

Membership

During the year ended 30 June 2023 the Society had a net gain of 6 members. At 30 June 2023 there were 773 Members being 18 Honorary Life Fellows, 13 Honorary Fellows, 63 Life Members, 667 Fellows and Members and 12 Emeritus Members. These figures do not include 150 Student Members who are receiving free membership of the society for one year.

Publications Manager

There have been no new books published in the EMU-Mineralogical Society EMU Notes in Mineralogy series during the year covered by the Annual report.

The Society, in conjunction with colleagues at Cambridge University Press has launched its new journal, *Geo-Bio Interfaces*. The first published content is expected early in 2024.

Mineralogical Magazine

The Editors thank Production Editor, Helen Kerbey, without whose work the journal would not function efficiently. She is commended her for her excellent copy-editing and positive interaction with CUP and their typesetters. We also note that she responds quickly to queries from authors. Both editors value her involvement in maintaining the high standards of the Mineralogical Magazine. There have been no changes to the editorial board in this period. The editors express their appreciation to all members of our Editorial Board. Without their dedication it would not be possible to publish the journal.

This is the sixth year of the journal production under the auspices of the Cambridge University Press. Any minor problems encountered with the manuscript submission system during the early years have been resolved is now operating without difficulty. The A4 format of the journal has been received well. The immediate access to a pre-publication version of manuscripts (accepted but pre-copy-editing and pre-typesetting) via the CUP website and the diverse metrics associated with the papers published has been welcomed by the editors and readers of the journal alike. Cambridge has provided the editors and members of the publications committee with valuable and interesting monthly Publisher's Reports on the demographics of citations.

The journal has continued to publish high quality papers in wide range of mineralogical and petrological topics, and in the opinion of the Editors remains the premier periodical for publication of papers concerned with theoretical mineralogy, mineral crystal structures and description of new minerals.

The impact factor of the journal has risen from the previous low levels of 2019 (1.738) and 2020 (2.062) to 2.7 in 2022. Although our impact factor has increased steadily, we consider that these changes in the impact factor of the journal are not a reflection on the quality of the papers published as these were very similar in content to previous years. It is possible that the factor has increased with the introduction of the open access agreements between CUP and worldwide universities. The changes in the impact factor are not readily explicable and perhaps indicate the futility of this ever changing metric in measuring the quality of publications.

Most papers published from July 1st 2022-June 30th 2023 were green open access, although 26 gold open access papers were published, representing a significant increase over the previous year when 17 gold open access papers were published. There were no on-line only special issues. The journal continues to publish upon receipt the reports (six in this period) of the IMA New Minerals, Nomenclature and Classification (CNMNC) Committee.

Eighty nine papers (713 pp) were published between July 1st 2022 and June 30th 2023; 67% were in the field of crystallography, theoretical mineralogy and new minerals, and 33% in the fields of general mineralogy, petrology and environmental mineralogy. This distribution is essentially the same (65:35) as in the previous reporting period. The subject distribution and senior authorship by country has not changed significantly since the last report. Although Italian and Russian crystallographers provide the bulk of our crystallographic papers, our major contributors in all fields originate from Australia, Russia, the USA and Canada.

In this reporting period 94 manuscripts were accepted for publication and 36 were rejected. The majority of manuscripts rejected were not with the scope of material published in the Mineralogical Magazine. It was evident in some cases that some of these papers had been submitted to, and rejected, by other periodicals.

One special issue was published in August 2022 (86/4), the Peter Williams Volume, together with three obituaries (R.K. Harrison; P.A. Sabine and G. Chinner) and one book review (*Making It Mine*: Sir Arthur Russell and His Mineral Collection, by R. Starkey).

Roger Mitchell, Stuart Mills
Joint Principal Editors

Clay Minerals

Four issues of Clay Minerals were published between July 2022 and June 2023. The 4 issues contained 27 papers, two reviews (George Brown lecture paper and a normal review) one short paper and one corrigendum. All issues were published under the new agreement with Cambridge University Press. There remains a delay in the publication schedule which has reduced compared to the previous year.

The research articles covered a wide range of applications, from use in industrial production of ceramics to application as selective catalysts and geotechnical applications, from geology of clays and sediments to soils and physical and chemical properties of clays, from environmental applications of clays (green chemistry) to nanocomposites, catalysis, adsorption, minerals (smectite, kaolinite, palygorskite, sepiolite, pyrophyllite, allophane, Fe-hydroxides/ oxyhydroxides, zeolites), composites of clay minerals zeolite and perlite, drilling fluids, clay mineral reactors and locations (11 countries from western and southern Europe, Africa, Asia, North and South America). The geographical distribution of the published papers (including the GB Lecture) is shown in the following table:

Geographical distribution of the published papers

Country	No of papers	Country	No of papers
China	9	Iran	1
Brazil	5	Greece	1
Mexico	2	Japan	1
Tunisia	2	Jordan	1
Turkey	2	Morocco	1
Algeria	1	Spain	1
France	1	U.K.	1
India	1		

In the period under consideration, 68 manuscripts were submitted from 25 countries in Europe, Asia, Africa, Central and South America. There were 144 editorial decisions, 47 of which indicated acceptance (38)/conditional acceptance (9), 58 verdicts suggested major revision, 15 suggested minor revision and 24 of rejection including non-suitability for the journal (note that more than one verdict is applied to each manuscript, depending on the number of rounds of revision). The overall rejection rate was 39%. The average time from submission to first decision was 47.3 days (57.6 last year). This time is close to the target set last year (up to six weeks) and is the result of the collaborative effort between the editors and the reviewers. The average submission to acceptance time was 88.9 days, within the target of 3 months. The average submission to pre-publication time is 110-120 days. There is still a delay in the appearance of the first proof but CUP is working on this point. 528 reviewers were invited, of whom 182 agreed to provide reviews (~35%). 170 reviewers submitted reviews, 225 reviewers were uninvited before agreeing, and 12 were terminated after agreeing to carry out reviews.

The Editorial Board is working pretty smoothly and most of the members are devoted to their duties. Although the turnaround time for first editorial decision decreased considerably compared to last year we have decided to reduce the turnaround time to 6 weeks. A virtual editorial board meeting took place on 11 January 2023 and a hybrid meeting took place during the Euroclay 2023 in Bari, Italy on 25 July 2023.

The major challenge we face in the publication schedule of the journal is the publication delay. Although the lag has decreased considerably and all papers appear in first view option shortly after their final disposition, their allocation to issues remains lengthy.

The Impact factor (IF) of the journal in 2022 decreased to 1.50 from 1.734 in 2021, following the overall trend observed for nearly all journals in 2022. This decrease reflects a change in the method of calculation of the IF. The journal is on the right track and we expect that the collective effort of the editorial board, staff and publishing team will help to increase the impact factor further in the coming years.

George E. Christidis, Chun-Hui Zhou
October 2023

Applied Mineralogy Group

Since 1st July 2023 the Applied Mineralogy Group committee has consisted of:

- Martin Smith – Chair
- Hannah grant – Secretary
- Richard Shaw – Treasurer
- Eva Marquis – PR officer
- Anouk Borst – Awards Officer
- Christian Bishop – *Applied Mineralogist* editor/Student Rep
- Tim Webster – *Applied Mineralogist* editor/Student Rep
- Rachael Gallagher – MDSG representative
- John Bowles, John MacDonald, Adrian Finch, John Faithful, Hannah Hughes - Ordinary members.

Katie McFall left the committee, but is now chair of the Mineral Deposits Studies Group (Joint Association with the Geological Society).

A 3-day meeting was planned for the 60th Anniversary of the group, to be held in St. Andrew's in May 2023. Unfortunately the meeting had to be cancelled because of low registration. There was too much competition from major European meetings this year. However, this has led to new contacts with the IMA's Commission on Ore mineralogy and hopefully collaboration for the EMC meeting next year (2024).

The group supported the Mineral Deposits Studies Group meeting at Leicester University from 4th to 6th January 2023, including support for the best student poster.

The *Applied Mineralogist* newsletter continues to be published and circulated to the society membership with editions in September 2022 and in March and July 2023. The newsletter is edited by our student representatives Christian Bishop and Tim Webster – many thanks to them.

The group awarded five student bursaries during the course of the year, supporting attendance at conferences and workshops, and research fieldwork. Supported project topics included magmatic hydrothermal mineralisation, diamond petrology, gold deposits, lithium mineralisation and biogenic Mn oxides in remediation.

Clay Minerals Group
The CMG held three committee meetings, all online (13 Oct 2022, 14 Feb 2023, 5 Apr 2023).

The CMG's Research in Progress (RiP) Meeting took place on 18 May 2023 at the University of Leeds and was organised by Alastair Marsh and co-sponsored by the Transforming Foundation Industries Network+. Three sessions were held on the day on '*Clays in Construction*', '*Clay Mineralogy*' and '*Clays in the Foundation Industries*'. The keynote talk was given by Prof. Katja Emmerich, Karlsruhe Institute of Technology, Germany, on "*Structure of clay minerals, thermal activation and solubility in alkaline solutions*". This was a well-attended event, with 12 talks and 5 poster presenters, enjoyed by 43 in-person and 28 online attendees, with good representation across both industry and academia. The best student poster award went to Utibe Nkanga (University of Leeds) for "*Understanding the combined effects of chloride and carbonation on reinforcement corrosion in low-carbon concretes*", and the best student talk award went to Nidhi Murali (Indian Institute of Technology Madras, presenting virtually from Chennai) for "*Interfacial Adhesion Mechanism between Polymer Coating and Clay Surface*".

The printed abstract booklets included three prompts to help start conversations, especially for those who were new to conferences: "*One thing I really liked about this talk/poster… One useful thing I learnt from this talk/poster… One question I have about this talk/poster…*". During the breaks, this inspired plenty of conversation over the posters. Moreover, presenters and attendees were invited to submit their research to a Special Issue of Clay Minerals journal, "*Clays in Construction – the role of clay mineralogy in tomorrow's built environment*", with a submission deadline of 31st October 2023.

The **Jubilee** organising committee (Anke Neumann, Helen Pendlowski, Simon Kemp, Francis Clegg; Kevin Murphy in support) continued regular monthly meetings. The final meeting took place on 2 December 2022. The main activities in the reporting period were:

Video Interviews

The CMG has been working on recording and publishing one interview each month during 2022, highlighting the diversity of minds and hearts behind the fantastic world of clay mineral research and application. Within the reporting period the following interviews have been released on the Youtube channel:

- July 2022 interview – Yael Mishael (The Hebrew University of Jerusalem, Israel), 23rd George Brown Lecturer, interviewed by Anke Neumann
- August 2022 interview – Ruhaida Rumsin (Universiti Teknologi MARA, Malaysia), interviewed by Binoy Sarkar
- September 2022 interview – Sabine Petit (Université de Poitiers, France), 21st George Brown Lecturer, interviewed by Steve Hillier
- October 2022 interview - David Morgan, Derek Bain, George Christidis and Chun Hui Zhou, past and present Editors of the Clay Minerals journal

Second issue of the CMG Newsletter 'Phyllosophical News'

A team of Early Career Clay Scientists has been working on putting together a regular CMG newsletter, which was launched as part of the 75-year Jubilee Year. The second issue was published in November 2022, covering on its 6 pages of sincere and not so sincere clay mineralogy. We are very indebted to the team: Megan Baker (University of Durham), Nia Gray-Wannell (Hutton Institute) and Maggie White (Newcastle University).

Images of Clay

Each month, we added a new image of a clay to the Images of Clay gallery, which is a joint initiative of the CMG and The Clay Minerals Society. All of the 12 new images are from UK and Ireland and have been provided by Steve Hillier and team. The new additions within the reporting period were:

- July 2022 image – Irish Kaolinite/smectite
- August 2022 image – Devonian palygorskite
- September 2022 image – Worcestershire illite/smectite
- October 2022 image – Cornish allophane
- November 2022 image – Kent Ca-montmorillonite
- December 2022 image – Hampshire glauconite

Image competition

Our international competition to find the 'best' new images to add to the Images of Clay archive, received seven submissions. The CMG voted on the submissions and the winner is an image of chlorite with goethite from the Triassic, Schleerieth Sandstone, Germany, submitted by Marli de Jongh (BGS). The winning image was announced in December via Twitter and the website. The winner received £50.

Launch of new CMG Research Grant

We launched a CMG Research Grant, which is open to submissions from PhD students or Early Career Researchers (ECR). The principal objective is to promote, instigate and deliver clay mineral-based research. The award can be used for mobility to instigate and/or carry out research, as seed-corn funding to begin a research-based 'proof of concept'

investigation, or to obtain materials, chemicals, small instruments for a specific research purpose. Even though the CMG advertised this opportunity widely, we received no submission during the reporting period.

Twitter Campaign

We have been ramping up our Twitter activities and branding a total of 75 special Tweets as Jubilee-year Tweets.

The CMG offers support for conference attendance, in the form of **bursaries**, through their ordinary bursaries. In the period under consideration the group awarded one ordinary bursary for attendance at the RiP meeting to Urmi Gosh, James Hutton Institute.

During the reporting period, the CMG offered financial support for presentations at prestigious Clay Conferences such as the International Clay Conference (Istanbul, 25-29 July, 2022), where Yael Mishael (The Hebrew University of Jerusalem) delivered the 2022 George Brown Lecture on behalf of the CMG. The review article connected to this George Brown Lecture is pending submission to *Clay Minerals*.

At the Mid-European Clay Conference (Kliczków Castle, 11-15 September 2022), Sabine Petit (Université de Poitiers) delivered the 2020 George Brown Lecture (postponed due to the pandemic). The review article related to this George Brown Lecture was published in June 2022 in *Clay Minerals*.

During the reporting period, the CMG provided sessions and talks at the prestigious International Clay Conference (Istanbul, 25-29 July 2022), e.g., the session 'Clays for contaminants control' coordinated by Binoy Sarkar (Lancaster University).

The CMG, under the lead of Steve Hillier and Kevin Murphy, was successful in bidding to organise the XVIII International Clay Conference (ICC) in Dublin, Ireland 13-18 July 2025. Work to support this Conference started in 2023.

The CMG's Twitter account (now known as X) (@CMG_minsoc) remains one of our important means of communication. The LinkedIn Group (Clay Minerals Group (MinerSoc)) is targeting outreach to and communication with industrial colleagues.

The CMG AGM was held online on 25 November 2022. Francis Clegg agreed to continue to serve as Treasurer for another year and was elected to this post at the AGM. Alastair Marsh (University of Leeds) was elected as new ordinary committee member at the AGM. Chris Greenwell (Durham University) requested to step down from the committee in December 2022 (after the AGM) due to increasing other commitments and the CMG committee thanked him for his service and support. All other members and officers remained in post.

The committee membership is as follows:

Chair: Anke Neumann
Secretary: Helen Pendlowski
Treasurer: Francis Clegg
Principal Editors Clay Minerals: George Christidis, Chun Hui Zhou
EDI representative: Binoy Sarkar
Newsletter Lead: Megan Baker
Members: Simon Kemp, Kirill Shafran, Steve Hillier, David Wray, Alastair Marsh

Environmental Mineralogy Group

Research in Progress meeting: Our 2022 hybrid RiP was on 22–23 June 2022 held as a joint meeting with the Applied Mineralogy Group at the University of Bristol. We are committed to keeping RiP meetings free for student presenters with travel bursaries of up to £50 travel bursaries for all student presenters. We charge only a small fee to other attendees to cover catering costs.

Research bursaries: The EMG have operated a Seed Corn bursary scheme for early career researchers since summer 2015. We offer up to £500 twice a year to facilitate seed-corn research and/or pump-priming ideas, that are expected to lead to publication and/or research funding applications. Bursary reports from previous winners are available on our website. Our last applications were in November 2021. To improve this lack of applications, we increased the value to £1000 but received no applications in Spring 2023. We launched our new PhD development bursary in Summer 2023, with the next deadline for applications in November 2023.

Science outreach video competition: The EMG successfully ran its first science video outreach competition in Autumn 2021, and we decided to run it again in 2022. Five entries were received in Autumn 2022 and four prizes were awarded. The videos are hosted on the Mineralogical Society YouTube channel, and the committee agreed to run the competition again in 2023, but with a lower prize fund, from £300 to £200.

Newsletter: The EMG launched its newsletter "The EMG Explorer", edited by Luke Townsend. The first issue was published in July 2022, and the next issue was in February 2023. It is now being edited by Latham Haigh.

Committee meetings and members: The committee typically meets three times per year: our annual meeting at the RiP (summer) and two other meetings (spring and autumn) with the primary goal of reviewing and awarding ECR bursaries. Our committee meetings have been online since March 2020, and during this reporting period we met on 23/11/2022, 05/04/2023 and 26/06/2023. Our last AGM was held on 28/6/2022 and our next AGM is scheduled for 20/11/2023.

Committee membership on 30 June 2023:

Chair: Laura Newsome (Camborne School of Mines)
Secretary: Ronan Courtney (University of Limerick)
Treasurer: Tom Neill (University of Manchester)
Communications Officer: James Byrne (University of Bristol)
Early Career Representative: Luke Townsend (University of Sheffield)
Student Representative and Newsletter Editor: Latham Haigh (University of Sheffield)
Industrial Representative: currently vacant
EDI Representative: Ece Kirat (Camborne School of Mines),
Ordinary Member: Kath Rothwell (Bristol)

Geochemistry Group

The Geochemistry Group convenes three times per year as soon as possible after our bursary applications deadlines on the 15th of October, 15th of January and 15th of May. In addition, we organise the Geochemistry Group Research in Progress meeting, our regular annual scientific meeting in April each year.

Over the course of the academic year 2022–2023, the committee has applied itself to the continued delivery of the action plan set up in summer 2021 when the group leadership was renewed. The various actions are outlined below:

1. ECR-focused panels

The GG set up two series of online panels called "Out of Academia – Into Science" and "ECR skills", which focus on promoting alternative scientific careers that can be taken after a PhD in geochemistry / geoscience, and on discussing specific academic skills that ECRs might need to successfully navigate their project or academic environment.

We organised two 'Out of Academia' events focused on careers in the charity sector and in public funding agencies. Each panels attracted ~50–70 registrants.
Similarly, we organised three ECR skills events entitled 'Things I wish I knew when I started my PhD', 'Navigating Peer-review' and 'Navigating PDRA positions'. Attendance at these events was slightly greater than for the career-focused panels.

All panels are recorded and uploaded on the GG YouTube channel.

2. Development of a mentoring Scheme

The development of the GG mentoring scheme was delayed somewhat. By the end of academic year 2022–2023 however, the format had been defined around a set of meetings between academic mentor and ECR mentees, culminating around a potential meeting at GGRiP.

The initial round of the mentorship scheme is planned for the year 2023–2024.

3. EDI audit

The Geochemistry group examined 10 years of committee minutes, GGRiP presentation and bursary allocation data in order to evaluate how diverse and gender balanced the GG actions were. The aim of this audit is to serve as a means to reflect on our actions and how the GG could help promote a more diverse geochemistry community, but also to serve as a benchmark to measure our progress towards this goal.

The results of the audit were published on our website in summer 2022 after circulation to the Geological Society and Mineralogical Society councils.

4. Bursary allocation in 2022–2023

The GG awards bursaries for student to attend meeting (meeting attendance bursary) whether online or face to face, but also for scientific meeting that are of broad interest to the UK and Irish geochemistry community.
Our bursary commitment this year totalled £4510. This was split as follows: 11 students were awarded bursaries for a total of £3060 and 4 meetings were supported up to a total of £1450.

5. ECR awards

The GG makes two awards each year, specifically focused on celebrating the success of postdocs. This year's postdoctoral medal, which recognizes the best paper in a given year first-authored by a postdoc, was awarded to Dr Carrie Soderman (Cambridge) for the following paper:

Soderman, C. R., Shorttle, O., Matthews, S., & Williams, H. M. (2022). Global trends in novel stable isotopes in basalts: Theory and observations. Geochimica et Cosmochimica Acta, 318, 388-414.

The ECR prominent lecturer award was made to Dr Elliott Carter (Trinity College Dublin). This awards funds a lecture tour that will allow Dr Carter to promote himself and his research up to a budget of £1000.

6. GGRiP 2023

GGRiP 2023 took place at the University of Cambridge from the 18th to the 20th of April. This represented a change in format from 2 to 2.5 days, including two social events. The meeting attracted 105 delegates, close to the max capacity of 110.

At GGRiP, the committee welcomed two new members to replace those departing. The current committee is as follows:

Position	Name	Institution
Chair	Marc-Alban Millet	Cardiff University
Secretary	Marie-Laure Bagard	Cambridge University
Treasurer	Jane Barling	University of Oxford
Communications Officer	Gordon Inglis	University of Southampton
Member	Madeleine Stow	University of Oxford
Member	James Bendle	University of Birmingham
Member	Eleanor Georgiadis	University of Oxford
Member	Paul Savage	University of St Andrews
Member	Helen Williams	Cambridge University
Member	David Wilson	University College London
Member	Catriona Menzies	Durham University
Co-opted Member	Queenie Chan	Royal Holloway
Co-opted Member	Savannah Worne	Loughborough University
Student Representative	Sophie Slater	Cardiff University

Geomicrobiology Network

Committee meetings were held on 6th July 2022, 28th September 2022, 12th December 2022, 13th February 2023, 12th April 2023 and 7th June 2023.

Self-reflection: "What is the GMBN, outside of our annual RiP Meetings?" We discussed scheduling some activities across the year to foster more sense of "ownership" amongst members.

Our social media coordinator left their role in December 2022; we are still trying to find a replacement volunteer.

In December 2022, we sponsored two 'Best Talk' awards to early career researchers at the 2022 Molecular Microbiology Group Meeting (1–2 December 2022, Glasgow) which had excellent representation from nine GMBN early career researchers presenting in the 'Applied and Geo- Microbiology' session.

We undertook an analysis of the Society's EDI report and focused on what actions might be taken at SIG level (self-guided analysis over period from December 2022 – February 2023):

- Prioritise EDI support at annual RiP meetings through a hybrid attendance option;
- Increase bursaries available for research and travel with attention to underrepresented groups and/or achievement relative to opportunity selection criteria; and
- Organise selection criteria for two student research bursaries, with call to be opened in early 2024.

We revised information on our webpages and outward facing information about GMBN to increase membership, promote SIG interests and UK/international awareness.

We undertook a survey (running in Mar–Apr 2023, which generated 17 responses) to solicit input for what types of events/activities might be desirable. The results were compiled in April 2023 and showed that an industry engagement workshop, a seminar series (restart!) and a bioinformatics/R workshop were the highest priorities (to be organised in 2023–24).

The network made a nomination for the Neumann Medal.

The 2023 Research-in-Progress meeting was planned and all logistics organised jointly with Environmental Mineralogy Group RiP (https://www.minersoc.org/minerals-and-microbes-2023-joint-rip.html) over period from late 2022 to June 2023. A keynote speaker was invited (Prof John Coates, UC Berkeley). Travel bursary applications received for two awards were administered.

28–30 June, 2023, Edinburgh – GMBN sponsored in-kind support for ISMOS (https://ismos-9.org/sponsors/). This action is part of an ongoing initiative to increase industry engagement/networks for GMBN members.

Committee membership:

Chair: John Moreau
Deputy chair: Casey Bryce
Secretary: Laura Kelly
EDI Officer: Ana Santos
Treasurer: Andy Mitchell
Post-doctoral representative and communications officer: **vacant**
Post-graduate student representative: Chloe Morgan
Awards officers: Simon Rout, Karen Olsson-Francis
Publications Coordinator: Karen Cameron
Industry Liaison: Matt Streets
Members: T. Clarke, G. Gadd, P. Humphreys, H. Sass, Jon Telling, Jon Lloyd

Metamorphic Studies Group

This report summarises the main activities of MSG, including committee meetings, a summary of the annual Research in Progress (RiP) meeting, the Barrow Award, and outreach initiatives.

Committee meetings

The committee formally meets twice a year via Zoom, with regular sub-meetings and email threads to organise events throughout the year. Meetings were held on 9 November 2022 and 10 May 2023. The next meeting will be on 8 November 2023. The committee is elected at the AGM of each RiP meeting. The only change to the committee this year was that Nicholas Lucas replaced Isabel Carter as student representative and webmaster. Batzi Fischer is also now shadowing Barbara Kunz as Treasurer, to ensure a smooth transition to being Treasurer from 2024 onwards.

Owen Weller (University of Cambridge)	Chair
Richard Palin (University of Oxford)	Secretary
Barbara Kunz (Open University)	Treasurer
Batzi Fischer (University of St Andrews)	Shadow Treasurer
Freya George (University of Bristol)	Barrow award organiser
Anna Bidgood (iCRAG, UCD)	EDI officer
Thomas Lamont (University of Bristol)	Field trip organiser
Caroline Lotout (Université Clermont Auvergne)	International representative
Ines Pereira (University of Coimbra)	International representative
Nicholas Lucas (University of Cambridge)	Student representative and webmaster
Catherine Mottram (University of Portsmouth)	Committee member

Research in Progress meeting

MSG held its annual RiP meeting at the University of Oxford from 4–5 April 2023, with an ice-breaker event on 3 April. The meeting was held as a hybrid event and was a great success, with 69 people in person and a further 20 online. In total, 16 countries were represented.

Forty-one talks were given across the two days, covering a range of topics including kinetics, petrochronology, and traditional regional studies of metamorphic terranes. Keynote talks were given by Donna Whitney (University of Minnesota, USA) and Iwona Klonowska (AGH University of Science and Technology, Poland), with Frank Spear (Rensselaer Polytechnic Institute, USA) giving the Barrow award winner's talk. All keynote and BA winner presenters attended the event in person. Maria Margarita Ariza-Acero (University of Lausanne, Switzerland) was awarded the student talk prize. A poster session was also held on the final evening, comprising sixteen posters. Omar Droubi (Penn State, USA) was awarded the student poster prize. The international nature of all keynotes and student prizes speaks to the increasing international profile that MSG has received following successful online conferences during COVID.

Thanks to Zeiss for sponsoring the ice-breaker event and the student poster prize. Thanks also to Richard Palin (University of Oxford) for being the lead organiser.



Delegates at the 2023 Oxford MSG RiP

Barrow Award

Frank Spear (Rensselaer Polytechnic Institute, USA) was awarded the 2023 Barrow Award (see here for the commendation). We were delighted that Frank was able to collect the award in person at the 2023 Oxford RiP meeting and give an award talk on 'The rocky road to equilibrium'.

Bursaries

Alesssandro Petroccia and Sara Nerone (both Università degli Studi di Torino) were awarded £200 bursaries in May 2023 to attend the 2024 RiP meeting in Bristol.

IUGS SECOND 100

MSG was approached in May 2023 by the International Union of Geological Sciences (IUGS) Commission on Geoheritage to take part in the selection of 'The Second 100' IUGS Geological Heritage Sites, after 'The First 100' was deemed to be light on metamorphic petrology outcrops. We have provided a representative to be on the selection committee, made two proposals as requested for outcrops to be considered for the second 100 (the Barrow Zones of Scotland and the Orijärvi region of Finland, which was central to Eskola's facies concept) and provided five evaluators for proposals. Proposals will be evaluated in November 2023, the selection committee will make final decisions in December 2023, and the second 100 will be announced at the 37th International Geological Congress in Busan, South Korea in August 2024.

EMC2024

Owen Weller, Richard Palin and Freya George submitted in March 2023, on behalf of the MSG committee, a session that has since been accepted for the EMC2024 conference in Dublin in August 2024 on 'Partial melting in continental settings'. It is hoped that some or all of the committee will be able to attend the conference to help promote MSG.

Mineral Physics Group

Research in Progress meeting 2023

During this period, much of our efforts were focussed on planning our Research in Progress meeting which took place place at the School of Earth Sciences, University of Bristol on the 4th and 5th of September. This included designed the event, setting up a registration website, advertising the event via mailing lists and Twitter and inviting speakers with a view to ensure a careful balance of gender, career stage and field.

Student bursaries

The MPG runs a student bursary scheme which supports student attendance at scientific workshops and meetings, travel expenses related to research visits and small UK-based research projects. Since the last report, we have had no applicants to this scheme and thus have not disbursed any money. We have now rewritten the eligibility criteria and are using the scheme to help fund attendees to our RiP meeting. After the meeting, we will start advertising the scheme generally.

Committee membership

Since the last annual report, The MPG committee has seen two members leave (Andy Thomson, Ana Ferreira, both from UCL). We have added Fred Richards from Imperial and Alfred Wilson-Spencer from Leeds, and now consider ourselves to have full membership.

The full committee is as follows:
Chair: Oliver Lord (University of Bristol)
Treasurer: Stephen Stackhouse (Leeds)
Secretary: Eleanor Jennings (Birkbeck)
Ordinary Members: Auriol Rae (Cambridge), Emilie Ringe (Cambridge), Tetsuya Komabayashi (Edinburgh), Claire Nichols (Oxford), John Wheeler (Liverpool), Fred Richards (Imperial), Alfred Wilson-Spencer (Leeds)

Volcanic and Magmatic Studies Group

The main activities of the Volcanic and Magmatic Studies Group (VMSG) are conferences, sponsoring of awards, funding travel bursaries for PhD students, publishing a quarterly newsletter and keeping in regular contact with our community through email and social media (Twitter, Facebook, Instagram and our YouTube Channel).

The VMSG committee convened in July 2022 for its summer meeting, held online. A key point for discussion at that meeting was the VMSG Annual Winter Meeting in January 2023, which after the previous two years of COVID-19 disruption, was planned to go ahead as the first in-person conference (alongside a hybrid option) since January 2020. A second committee meeting was held in January 2023, at the London conference. Our summer 2023 meeting, which took place at the end of June, also falls into this reporting period and covered broad range of issues, including plans for the VMSG Annual Winter Meeting in January 2024, which will also be our 60th Anniversary conference. The meeting was held in Bristol, with visits from the Chair and Secretary to the local organising committee, and the rest of the committee joining the meeting online.

The Annual Winter meeting was held in person for the first time since 2020, hosted by Birkbeck College and UCL in Bloomsbury from the 4th to the 6th of January 2023, with the conference dinner held on the 5th in the iconic Earth Hall of the Natural History Museum (NHM) in South Kensington and an entire day of volcano outreach and activities hosted by NHM on Saturday the 7th. The Local Organising Committee were Chiara Petrone, James Hammond, Eleanor Jennings, Michele Paulatto, supported by PhD students Lauren Cox, Mihai Swift and the wider 'Volcanologists of London' (VoL) group. The conference was a hybrid event held on MS Teams and Discord and supported by technical staff at the Mineralogical Society.

We were thrilled to welcome 214 registrants, of which 108 (50.5%) were students. We had representation across all career stages: 2.3% of attendees were undergraduates, 46.7% were postgraduates (including final year), 21.0% were on fixed-term academic contracts, 2.8% were between contracts, 19.2% were permanent academic staff, and 3.7% were from industry and/or government. Of our student attendees, 25 (23.8%) gave an oral presentation, 65 (61.9%) gave a poster presentation, and 3 (2.86%) attended remotely.

VMSG 2023's scientific program was full of fascinating and enriching science. All talks were given in person and the poster session was held in a hybrid format, with many students uploading a copy of their poster to Discord.

The sessions covered a very diverse range of themes, including:

- Magmatic Systems (14 talks)
- Eruptive Processes (8 talks)
- Hazard, Risk and the Environment (4 talks)
- Volcanoes and Society (4 talks)
- Integrated monitoring and forecasting of eruptions (4 talks)
- Life Cycle of Volcanoes (6 talks)

Delegates were invited to have their talks uploaded to the VMSG YouTube Channel which now hosts 40 of the talks given in dedicated session playlists:

https://youtube.com/playlist?list=PLTQB1DrZpoVxyX6gvBL4RpD31klaOnLmV

There were several invited keynote speakers including this year's ThermoFisher Scientific VMSG award winner, Professor Eliza Calder (University of Edinburgh) and the Zeiss Post-doctoral Keynote Award winner, Dr Nick Barber (McGill University).

Student presentations were of outstanding quality at VMSG 2023. Emma Watts (University of Southampton) won the Bob Hunter Prize for the best oral presentation given by a student, while Kerys Meredew (Birmingham University) won the Geoff Brown Prize for the best student poster presentation. May Chim (Cambridge University) received an Honourable Mention for her talk, and Kyra Cutler (University of Oxford) received an Honourable Mention for her poster.

There was a popular pre-conference workshop for early career researchers on 'How to write a Scientific Paper' hosted by Mike Heap. Immediately following the conference, the Volcano Day at the NHM was an incredible success and we think the largest outreach event ever hosted by the VMSG community. Over 90 volcanologists from across the UK and Europe joined the VoL on the Museum gallery floor with an incredible variety of hands-on activities over 11 stations. The NHM Learning team ran twice their 'Emergency! Earthquakes and Volcanoes Show'. Chiara Maria Petrone and Nicolo Nardini entertained the public in the Attenborough Studio talking about volcanoes and how we study them. We had over 20,000 visitors to the Museum that day and almost certainly helped inspire a few future volcanologists.

The conference was followed by our AGM where we communicated and discussed VMSG committee activities with the members, and hosted fora with our student members and Early Career Researchers and a new forum dedicated to equality, diversity and inclusion. External donations for VMSG 2023 came from ThermoFisher Scientific, Zeiss, Denton Seismo, the Geological Society, Hilary Downes, the British Geophysical Association and JEOL.

Outgoings over the year were higher than income (in part due it being an IUGG year), but balance at the end of the year is at a broadly similar level to that over the previous five years.

In addition to the awards mentioned above and presented at the London meeting in January 2023, the Henry Emeleus Fieldwork Prize was awarded to Jingwei (David) Zhang of Lancaster University for fieldwork in Iceland.

The 2024 awards were agreed at the June 2023 meeting, with the Willy Aspinall award going to Edna Dualeh (University of Leeds), the Zeiss Award to Martin Mangler (University of Durham), and the ThermoFisher Award to Clive Oppenheimer (University of Cambridge). All three awards will be presented at the Bristol meeting in January 2024.

Since June 2022, student bursary awards have been agreed at all three committee meetings. These were awarded as follows: three student bursaries awarded in July 2022, three in January 2023, and three in June 2023.

We have continued to reflect on our awards criteria, both to ensure that eligibility and voting requirements are clear and transparent, and considering how best to benefit our student and early-career membership. This has been a topic in recent committee meetings and an updated approach has been proposed to the committee by our awards officer, following committee discussions. This will be decided upon at our upcoming (December 2023) committee meeting.

Our on-line presence remains highly active. Information is disseminated to the group members via our newsletter which is circulated quarterly to a mailing list of c 1000 people, and via the VMSG website (https://vmsg.org.uk/) and an active Facebook group, regular Twitter feed and Instagram account.

At VMSG 2023, we again ran our conference buddy scheme in response to suggestions made at our open PhD and ECR for a at vVMSG 2021. Members of the VMSG community had the opportunity to sign up for the buddy scheme upon registration, either as a Junior Buddy (who hadn't previously attended a VMSG conference) or as a Senior Buddy (more experienced conference goers). Buddies were then encouraged to connect with each other both before and during the conference, including giving feedback on presentations where relevant.

The student talks and posters at VMSG annual meetings are marked during the conference by the VMSG committee, and we collate individual feedback on things done well and areas to improve. We wrote to the VMSG student members to offer them the opportunity to receive this feedback, and we are really pleased to note we had 33 students (~50%) that requested individual feedback on their conference talks and posters after VMSG 2023.

A series of workshops was arranged as part of the London 2023 meeting (see meeting description above), and similar plans are in place linked to the Bristol 2024 meeting.

Social media followings have all continued to grow steadily throughout 2022/23. New followers on Twitter total 541 / 12%; Instagram 108 / 20%; YouTube 39 / 18%; Facebook 21 / 3% since November 2022.

Committee

Chair: Prof Tamsin Mather – University of Oxford
Honorary Secretary: Dr Sebastian Watt – University of Birmingham
Honorary Treasurer: Dr Sami Mikhail - University of St Andrews
Katie Preece (Equality, Diversity and Inclusion Officer) (replacing Dr Jazmin Scarlett)
Elliot Carter (Social Media Rep)
Ed McGowan (Web manager)
Emma Nicholson (Awards and Bursaries) (replacing Dr Nick Gardiner)
Pete Rowley (Fieldtrip coordinator)
Lara Mani (Outreach and Public Engagement)
Claire Harnett (ECR Rep)
Ailsa Naismith (Newsletter)
Kerys Meredew (Student Rep) (replacing Emma Watts)
Eilish Brennan (Student Rep)

Distinguished Lecturer Programme

This programme did not operate during the 2022-2023 academic year.

EQUALITY, DIVERSITY AND INCLUSIVITY

The Equality Diversity and Inclusivity (EDI) Committee of MinSoc represents the interests of all SIGs, containing at least one representative from each. In the last reporting year the committee comprised of Laura Kelly (GMBN; chair), Ana Santos (GMBN), Anna Bidgood (MSG), Queenie Chan and Savannah Worne (GG), Helen Pendlowski and Binoy Sarkar (CMG; Helen standing down March 2023), Katie McFall (AMG; till early 2023 then position vacant due to lack of volunteers), Ece Kirat (EMG; since early 2023, position vacant previously, Jazmin Scarlett and Katie Preece (VMSG; Jazmin Scarlett standing down during year), Oliver Lord (MPG). Sally Gibson and Kevin Murphy also sit on the Committee, which thanks Katie, Jazmin and Helen for their work during the year.

The EDI Committee is committed to evaluate the actions and public profile of the Society and is working to implement short- and long-term objectives identified following our 2022 survey. We e-meet regularly to discuss how to effectively develop best EDI practices to ensure fair, equitable treatment and opportunity for all current and aspiring members of our Society. The Committee has updated Council regarding its progress on developing action plans during February and April Council meetings.

The Committee has prioritized four key areas for development this last year: membership, meetings and events, awards and grants, and publishing. Publishing is a priority area which will be developed in 2024. We report significant progress in the remaining three priority areas. **Membership:** we are reviewing Society membership fees to encourage participation from a wider community, including those from economically disadvantaged backgrounds, on a career break or between positions, self-funded PhD students and group memberships. We are working on increasing the value of our membership, e.g. by

offering training, networking and mentoring opportunities, aiming to encourage continued engagement over multiple years (including those awarded free membership for one year). We are also working on the promotion of the Society and individual SIGs more widely via plans for building of more extensive social media and professional networks. We have contributed to discussions on the redevelopment of the Society website and social media networks for the above reasons, to ensure all outlets and language are in keeping with the ethos of the Society and compliant with EDI principles.

Meetings and events: we are in the final stages of the preparation of a 'How-To' guide for meetings and events (in-person, online or hybrid), the draft of which was well-received at Council in 2023. The guide has been developed to promote diversity of attendance and inclusivity of participation at events across the Society and has been created using resources from individual SIGs and partner groups and building on experiences and lessons from past MinSoc events. Once fully approved by Council it will be available on the Society webpage.

Awards and grants: the language used for current awards and grants was identified for review by the EDI Committee for the purpose of achieving greater clarity regarding eligibility and enhancing applications, including permitting self-nomination. During discussions the provision of new awards was put forward as an action for consideration at Council level, the current provision believed to largely exclude non-traditional contributions to mineral sciences (e.g., outreach). We expect further Council discussions in the coming year before a consensus is achieved on changes.

FINANCIAL REVIEW

Treasurer's Report

The headline here is that, like last year, there have been no massive swings, either up or down, in the income or expenditure of the Society in the last financial year. As Treasurer, I find this somewhat reassuring. Obviously, this executive summary is underpinned by a full set of accounts that have been audited by an independent auditor. A full audit is not always, in our case, mandatory with respect to the Charity Commission, but a sensible precaution nonetheless, if only to reassure Council that the Society is been run in accordance with its charitable status and that the manner by which our financial activity is recorded is consistent with best accounting practice.

A breakdown of the income streams of the Society for the last financial year and a comparison to the financial year ended 30th June 2022 can be seen on page 22. Notable items are the obvious increase in income associated with SIG activities and a positive bump in income from Cambridge University Press. Conversely, there is a drop of nearly 12% in income derived from members' subscriptions. The marked difference in overall income over the last financial year is, however, associated with a similar amount of expenditure, as is summarized on page 22. Rather than superficially appearing to be a bumper year in terms of increased income in the financial year ended 30th June 2023, this is simply associated with the cost of doing (charitable) business, just more of it - see the modest excess of income over expenditure on page 21 (i.e. all of the increase in income isn't "profit", but we did see more income than we spent last year).

Of particular note in the summarized lines of expenditure are where costs associated with the governance of the Society have remained relatively constant or have dropped slightly. There's effectively no movement on the combination of office expenses and support costs. The ratio of expenditure on the governance of the Society and performing its charitable function is 26:74. The same as in previous years and comparable to the benchmarks suggested by the Charity Commission.

Finally in the year end accounts, we have the balance sheet (page 24), which represents a 'snapshot' of the financial status of the Society at the year ending 30th June 2023. While this only represents the financial standing of the Society at an arbitrary moment in time, comparison with balance sheets from previous years provides "big picture" historical context.

Tangible assets comprise the office at Bayliss Mews and the value of office furniture, computing equipment and anything else that is depreciable over time. Investments, whose value ebb and flow and, as the auditor reminds us every year, are the assets upon which the survival of the Society essentially depends. Again, from a "big picture" view, there has been a small increase in the value of our investments, which, given the amount of volatility we have experienced in the 12 months prior to 30th June 2023, is something to be pleased about. The increase however has not kept pace with inflation or the Bank of England's base rate, which is disappointing, but the Society's expenditure during this period has been equally modest. At this point, I do not see the Society operating beyond its income and thus eroding its underlying net worth.

The net worth of the Society has increased by a modest amount over the financial year, but by such a small amount that it could be described as ambient noise in an otherwise steady value. This is not a bad thing; for a charity to maintain its worth, and therefore its ability perform its charitable function is probably preferable to "growth at all costs".

Overall, from a financial perspective, the year ended 30th June 2023 was an unremarkable period for the Society in somewhat uncertain times and credit is due to Kevin and Russell for the steady hands on the tiller.

Financial activity in the financial year ending 30th June 2023 versus budgeted activity

MINERALOGICAL SOCIETY'S BUDGET 2022/2023				
ACTIVITY		Budget for 2022/2023	Rees YE 30 June 2023	Rees Variation
Mineralogical Magazine	INCOME	0.00		
	INCOME -CUP (MM,CM)	141,898.00	180,400.00	38,502.00
	INCOME- GSW			
	INCOME - CONTRIBUTIONS			
	INCOME - De GRUYTER			
	INCOME - DONATION	25,000.00		-25,000.00
	EXPENDITURE			
	EXPENDITURE - (MM,CM)	36,000.00	-39,862.00	-3,862.00
	EXPENDITURE-GSW			
	NET	130,896.00		
Clay Minerals	INCOME	2,000.00	149.00	-1,851.00
	INCOME- GSW			
	NET	2,000.00		
EMU Series	INCOME	3,000.00	10,538.00	7,538.00
	EXPENDITURE	1,500.00	-1,321.00	179.00
	NET	1,500.00		
DHZ	INCOME	16,000.00	15,506.00	-494.00
	EXPENDITURE	4,000.00	-5,334.00	-1,334.00
	NET	12,000.00		
Landmark Series	INCOME	0.00	68.00	68.00
	EXPENDITURE	0.00	-43.00	-43.00
	NET	0.00		
Other Books	INCOME	500.00	1,331.00	831.00
	EXPENDITURE	150.00		150.00
	NET	350.00		
Conferences	INCOME	10,000.00	2,561.00	-7,439.00
	EXPENDITURE	5,000.00	-8,621.00	-3,621.00
	NET	5,000.00		
Special Interest Groups	INCOME	16,167.00	56,587.00	40,420.00
	EXPENDITURE	7,750.00	-66,212.00	-58,462.00
	NET	8,417.00		
Investments	INCOME	1,300.00	22,775.00	-4,525.00
Investment -Drawdown	INCOME	26,000.00		
Realised and unrealised Gains	INCOME	0.00		
	EXPENDITURE	0.00		
	NET	27,300.00		
Miscellaneous	INCOME	2,250.00	2,400.00	150.00
	EXPENDITURE	250.00		250.00
	NET	2,000.00		
General Fund -members subscriptions	INCOME	34,000.00	30,478.00	-3,522.00
Restricted funds 1116-2703	INCOME	3,000.00	-1,587.00	-4,587.00
Gift Aid	INCOME	1,000.00	787.00	-213.00
	NET	38,000.00		
	Sub Total Income	227,465.00	200,600.00	-26,865.00
Office Staff Remuneration	EXPENDITURE	128,000.00	-126,524.00	1,476.00
Office Staff Expenses	EXPENDITURE	7,500.00	-551.00	6,949.00
Rent, Rates and House Expenses	EXPENDITURE	7,000.00	-4,664.00	2,336.00
Printing, Stationery, Maintenance of Office Machinery	EXPENDITURE	3,000.00	-940.00	2,060.00
Insurance	EXPENDITURE	2,500.00	-1,685.00	815.00
Postage, Telephone and Computer	EXPENDITURE	15,250.00	-12,240.00	3,010.00
Bank and Credit Card Charges	EXPENDITURE	3,500.00	-3,023.00	477.00
Temporary staff Miscellaneous Office Expenses	EXPENDITURE	1,000.00	-650.00	350.00
Elements	EXPENDITURE	12,000.00	-10,327.00	1,673.00
Chartered Scientist	EXPENDITURE	0.00		
Trade Association Fees	EXPENDITURE	1,000.00	-643.00	357.00
Business Meeting Expenses- Officers	EXPENDITURE	5,000.00	-628.00	4,372.00
Bursaries - Student and Senior	EXPENDITURE	6,000.00	-4,110.00	1,890.00
Audit and Accountancy Fees	EXPENDITURE	14,000.00	-11,970.00	2,030.00
Depreciation	EXPENDITURE	500.00	-799.00	-299.00
Distinguished Lecturer Costs, Future of the Society	EXPENDITURE	1,000.00	-902.00	98.00
President's Lunch	EXPENDITURE	0.00		
Investments Direct Charges	EXPENDITURE	4,000.00	-4,294.00	-294.00
Professional fees		1,000.00		1,000.00
Medals and Medallist Travel	EXPENDITURE	3,700.00	-1,379.00	2,321.00
	Sub Total Expenditure	215,950.00	-185,329.00	30,621.00
	Income/Expenditure - Surplus	11,515.00	15,271.00	3,756.00

Figure 1. Variance of budget for financial year ending 30th June 2023 versus actual expenditure during the same period.

Figure 1 shows the auditor's summary of what the Society said it was going to spend in the financial year ending 30th June 2023, i.e. the budget, compared to what was actually spent. While the table below provides the details of all the line items in the budget for the year, again, I think that a "big picture" view is important and while there is variance between the budget and expenditure in individual line items (the column marked "Rees variation" in the table), the variance of overall income over expenditure is <£4,000.

Notable deviations in individual line items in the budget include a £38.5K increase in income from Cambridge University Press above the budgeted value. I have probably said something similar every year I have been Treasurer for the Society, but when budgeting for income from CUP, we have tended to err on the side of caution, have been pleasantly surprised at the level of income more than once, but cannot rely upon CUP to consistently overdeliver; going forwards, budgeted income from CUP should be predicted with prudence in mind. Volatility in budgeted versus actual income with respect to publishing can also be demonstrated in income relating to EMU publishing, which was £7.5K above budgeted values. Taken together, the Society had a significantly greater publishing income than budgeted, but the table demonstrates that individual streams of publishing income can be difficult to predict beyond values that are already guaranteed.

As we continue to emerge from pandemic conditions, income associated with conferences and SIG activity should become a little more predictable. There were significant deviations from budgeted values associated with these activities, but going into the budgeting process when this would have been tackled, back in 2021/2022, the way in which we behave in terms of in-person meetings and activities was significantly different to how it currently is. Accurately predicting income and expenditure from conferences and SIG activity should become more straightforward moving forward with the cooperation of SIG Treasurers.

In sum though, despite some quite large deviations from budgeted values, the overall expenditure was close to budgeted values, not least due to the decades of experience in how the Society works that Kevin and Russell apply to these calculations.

INVESTMENT POLICY AND PERFORMANCE

In accordance with the Bye-Laws, the Society Trustees have appointed investment managers to implement the investment strategy (*a copy of which available for inspection from the Society office*) and ensure the safety of the underlying funds. Cazenove Capital Management Limited were appointed during 2012 as investment managers. In 2022 a formal investment policy was approved by Council.

RISK MANAGEMENT

The Trustees have considered and reviewed the major risks to which the Society is exposed. The Trustees have a risk management strategy (*a copy of which available for inspection from the Society office*)) which comprises a regular review of the risks to the Society and the establishment of systems and procedures to identify those risks to enable the Trustees to implement action to minimise any potential impact on the Society that should arise.

A key element of the management of financial risk is via a review of the reserves policy and objectives of achieving:

1. Long-term capital growth to ensure the future sustainability of the Society;
2. An option to draw down cash from the investments to support the activities of the Society by:-
    a. providing financial support for meetings and conferences;
    b. providing financial support for journals when needed;
    c. providing monies for donations and awards;
    d. contributing to the cost of the administration needed to support the Society's activities.

The principal funding sources for the Society are the income conferences and from the publication of journals and books.

RESERVES POLICY

The trustees consider that reserves in the region of six months provide sufficient funds and the Society's balance sheet net current assets are in excess of this figure.

PLANS FOR THE FUTURE

Plans are well in hand for our 2024 hosting of the European Mineralogical Conference in Dublin. Similarly we have been laying the groundwork for our hosting of the 2025 International Clay Conference at the same location. In conjunction with our partners at Cambridge University Press, we will launch a new journal: *Geo-Bio Interfaces* on 1st January 2024 and much work has been done to assemble a team of Editors, an Editorial Board and to promote this new journal to its potential audience and authors.

STRUCTURE, GOVERNANCE AND MANAGEMENT

The Society is an unincorporated body and its legal status is as a charity under UK Law, Registered Charity Number 233706. Its governing document is its Bye-Laws. The Society, a membership organization, includes Honorary Fellows, Fellows, Members, Honorary Members, Life Members, Life Fellows, Emeritus Members, Emeritus Fellows, Honorary Life Fellows and Student Members who are elected as prescribed by the Bye-Laws of the Society. All members of the Society are eligible for membership of eight special interest groups. The Society is governed by a Council consisting of a President, a General Secretary, a Treasurer, a Publications Manager, a Public Relations Officer, the Principal Editors of *Mineralogical Magazine* and *Clay Minerals* and up to 13 ordinary members. Two Vice-Presidents are nominated from among the elected Council members. Council members are proposed by four Members of the Society and elected by the Council except in

cases where an election is required. The administration of the Society is undertaken by staff from its General Office in Twickenham, which is under the supervision of the Executive Director.

The Society has eight special interest groups, each managed by a committee. The eight groups are: the Applied Mineralogy Group, the Clay Minerals Group, the Environmental Mineralogy Group, the Geochemistry Group, the Geomicrobiology Network, the Metamorphic Studies Group, the Mineral Physics Group, and the Volcanic & Magmatic Studies Group. The Geochemistry Group, the Metamorphic Studies Group and the Volcanic & Magmatic Studies Group are joint Groups with the Geological Society of London with which a formal Memorandum of Understanding was signed in 2001 covering a number of areas for co-operation.

Restricted Fund – Sustaining Membership Fund

£1473 was raised from the members towards the sustaining membership fund. This fund was formally established on 1 January 2010. The money is ring-fenced with 90% invested so that the fund can grow and eventually become self-sustaining. The other 10% is used to subsidize the free student memberships and bursaries.

Restricted Fund; the Willy Aspinall Prize Fund

This fund was established by the Volcanic & Magmatic Studies Group during early 2017.The Society manages the restricted fund; it is expected that £800 per year will be disbursed from the fund, ~£400 as a cash award and ~£400 to attend the annual VMSG meeting. The award will be made each year to the lead author of an outstanding paper on applied volcanology published (in English) within three years of the lead author being awarded a PhD at a University in the UK. The prize is named in honour of Prof. Willy Aspinall, a distinguished professor at the University of Bristol and a hazard and risk science consultant.

Trustee Induction and Training

On election to the Council of the Mineralogical Society, an individual assumes a number of responsibilities. It is incumbent upon those new council members to familiarise themselves with their new responsibilities. This is achieved by reading the Society's Bye-Laws thoroughly as well as reading the Charity Commission Document on the 'Responsibilities of a charity trustee'. Trustees are reminded that they are accountable in law for the good governance of the Society. The term of office for a Council Member is three years, meaning that there will be twelve Council Meetings during a term of office. Members are expected to attend all of these meetings. It is also taken that they have familiarised themselves with the paperwork circulated prior to these meetings and be prepared to contribute to the relevant discussions. Membership of any of the standing or *impromptu* subcommittees is encouraged and sometimes may be a more direct means of contributing to the development of the Society.

All newly elected officers managing trustees and Council Members need to confirm to the Executive Director that they have read and understood their responsibilities accordingly.

Committees

The Society has one formal administrative committee which meets regularly to discuss the running of the Society, i.e. its finance, publications, meetings etc., as well as all matters of policy. This is the Finance/Officers/Publications Committee, which includes the President, the General Secretary, the Treasurer, the Publications Manager, the Public Relations Officer, the Principal Editors of the two journals and three Custodian Trustees.

The governing body of the Society is the Council, which comprises the actual charity trustees of the Society, i.e. those who are legally responsible under charity law for the running of the organization. The Council includes the officers, the chairpersons or nominated representatives of the eight special interest groups, and six Fellows or Members who are elected to the position of ordinary member of Council.

Volunteers

In addition to those who volunteer to serve as members of the committees, there are other members who give of their time to benefit the Society and the subject by writing material for publication by the Society, editing such material, by organizing conferences, including short-courses, field trips etc. (for mineral scientists and for the public at large), and by offering expertise on areas such as web-site and database management, marketing, design, photography etc. Without such support, running of the Society would undoubtedly be less efficient.

Key Management Personnel Remuneration

Senior management personnel, to whom the trustees have delegated significant authority or responsibility in the day-to-day running of the charity, have their remuneration reviewed at the November meeting of council each year. The salaries are bench-marked occasionally against those of similar Learned Societies and with lists provided by organizations such as the Science Council (UK). Spine-point increases are provided in line with staff performance; cost-of-living increases are granted based on the Consumer Price Index (produced by the UK's Office for National Statistics). Both forms of increase depend on the financial health of the organization.

Website

The Society's website is located at www.minersoc.org and contains up-to-date information about the Society, its publications and its meetings. The website is managed and updated by the Executive Director.

Climate Change

As a scientific society, the Mineralogical Society takes responsibility for its carbon footprint seriously. Our Officers', Council and SIG committee meetings for the past couple of years have all been held online and this is likely to continue to a

significant extent. We are also now making it possible for many of our scientific events to be attended virtually, avoiding, the need for air travel.

Trustees' responsibilities in relation to the financial statements
The Charity trustees are responsible for preparing the Trustees' Annual Report and financial statements in accordance with applicable law and United Kingdom Accounting Standards (United Kingdom Generally Accepted Accounting Practice).

The law applicable to charities in England and Wales requires the charity trustees to prepare financial statements for each year which give a true and fair view of the state of affairs of the charity and of the incoming resources and application of resources, of the charity for that period. In preparing these financial statements, the trustees are required to:

- select suitable accounting policies and then apply them consistently;
- observe the methods and principles in the applicable Charities SORP
- make judgements and estimates that are reasonable and prudent;
- state whether applicable accounting standards have been followed, subject to any material departures that must be disclosed and explained in the financial statements;

- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the charity will continue in business.

The trustees are responsible for keeping proper accounting records that disclose with reasonable accuracy at any time the financial position of the charity and enable them to ensure that the financial statements comply with the Charities Act 2011, the applicable Charities (Accounts and Reports) Regulations and the provisions of the bye laws. They are also responsible for safeguarding the assets of the charity and taking reasonable steps for the prevention and detection of fraud and other irregularities.
The trustees are responsible for the maintenance and integrity of the charity and financial information included on the charity's website in accordance with legislation in the United Kingdom governing the preparation and dissemination of financial statements.

Auditors
A resolution reappointing David M. Rees & Associates Limited as auditors will be put to the Annual General Meeting.

Approved by the trustees on 9 November 2023 **and signed on their behalf by:**

J. HARVEY
Treasurer

E. Deady
General Secretary

12 Baylis Mews
Amyand Park Road
Twickenham
Middlesex TW1 3HQ

INDEPENDENT AUDITOR'S REPORT TO THE TRUSTEES' OF MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND

Opinion

We have audited the financial statements of the Mineralogical Society of the United Kingdom and Ireland for the year ended 30 June 2023 which comprise the Statements of Financial Activities, the Balance Sheet, and the related notes to the financial statements, including significant accounting policies. The financial reporting framework that has been applied in their preparation is applicable law and United Kingdom Accounting Standards, including Financial Reporting Standard 102 *The Financial Reporting Standard applicable in the UK and Republic of Ireland* (United Kingdom Generally Accepted Accounting Practice).
In our opinion the financial statements:

- give a true and fair view of the state of the charity's affairs as at 30 June 2023, and of its incoming resources and application of resources, including its income and expenditure, for the year then ended;
- have been properly prepared in accordance with United Kingdom Generally Accepted Accounting Practice; and
- have been prepared in accordance with the requirements of the Charities Act 2011.

Basis for opinion

We conducted our audit in accordance with International Standards on Auditing (UK) (ISAs (UK)) and applicable law. Our responsibilities under those standards are further described in the Auditor's responsibilities for the audit of the financial statements section of our report. We are independent of the charity in accordance with the ethical requirements that are relevant to our audit of the financial statements in the UK, including the FRC's Ethical Standard, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Conclusions relating to going concern

In auditing the financial statements, we have concluded that the trustees' use of the going concern basis of accounting in the preparation of the financial statements is appropriate.

Based on the work we have performed, we have not identified any material uncertainties relating to events or conditions that, individually or collectively, may cast significant doubt on the charity's ability to continue as a going concern for a period of at least twelve months from when the financial statements are authorised for issue.

Our responsibilities and the responsibilities of the trustees with respect to going concern are described in the relevant sections of this report.

Other information

The other information comprises the information included in the trustees annual report, other than the financial statements and our auditor's report thereon. The trustees are responsible for the other information contained within the annual report. Our opinion on the financial statements does not cover the other information and, except to the extent otherwise explicitly stated in our report, we do not express any form of assurance conclusion thereon.

Our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the financial statements or our knowledge obtained in the course of the audit or otherwise appears to be materially misstated. If we identify such material inconsistencies or apparent material misstatements, we are required to determine whether this gives rise to a material misstatement in the financial statements themselves. If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact.

We have nothing to report in this regard.

Matters on which we are required to report by exception

We have nothing to report in respect of the following matters in relation to which the Charities (Accounts and Reports) Regulations 2008 require us to report to you if, in our opinion:

- the information given in the financial statements is inconsistent in any material respect with the trustees' report; or
- the charity has not kept adequate accounting records; or
- the financial statements are not in agreement with the accounting records and returns; or
- we have not received all the information and explanations we require for our audit.

Responsibilities of trustees
As explained more fully in the trustees' responsibilities statement set out on page 18, the trustees are responsible for the preparation of the financial statements and for being satisfied that they give a true and fair view, and for such internal control as the trustees determine is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, the trustees are responsible for assessing the charity's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the trustees either intend to liquidate the charity or to cease operations, or have no realistic alternative but to do so.

Auditor's responsibilities for the audit of the financial statements
We have been appointed as auditor under section 144 of the Charities Act 2011 and report in accordance with regulations made under section 154 of that Act.

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with ISAs (UK) will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

Irregularities, including fraud, are instances of non-compliance with laws and regulations. We design procedures in line with our responsibilities, outlined above, to detect material misstatements in respect of irregularities, including fraud.

Because of the inherent limitations of an audit, there is a risk that we will not detect all irregularities, including those leading to a material misstatement in the financial statements or non-compliance with regulation. This risk increases the more that compliance with a law or regulation is removed from the events and transactions reflected in the financial statements, as we will be less likely to become aware of instances of non-compliance. The risk is also greater regarding irregularities occurring due to fraud rather than error, as fraud involves intentional concealment, forgery, collusion, omission or misrepresentation.

A further description of our responsibilities is available on the Financial Reporting Council's website at: https://www.frc.org.uk/Our-Work/Audit/Audit-and-assurance/Standards-and-guidance/Standards-and-guidance-for-auditors/Auditors-responsibilities-for-audit/Description-of-auditors-responsibilities-for-audit.aspx. This description forms part of our auditor's report.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

Use of our report
This report is made solely to the charity's trustees, as a body, in accordance with Part 4 of the Charities (Accounts and Reports) Regulations 2008. Our audit work has been undertaken so that we might state to the charity's trustees those matters we are required to state to them in an auditor's report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the charity and the charity's trustees as a body, for our audit work, for this report, or for the opinions we have formed.

Sharan C. Rees FCA
Statutory Auditor

David M. Rees & Associates Limited

DAVID M. REES & ASSOCIATES LIMITED
Chartered Accountants and Statutory Auditors

WELL COTTAGE
CUCUMBER LANE
ESSENDON
HERTFORDSHIRE AL9 6JB

DATED 10 January 2024

DAVID M. REES & ASSOCIATES LIMITED is eligible to act as an auditor in terms of Section 1212 of the Companies Act 2006

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
RESTRICTED FUNDS
STATEMENT OF FINANCIAL ACTIVITIES FOR THE YEAR ENDED 30 JUNE 2023

	Notes	2023 Sustaining Membership	2023 Willy Aspinall Prize	2023 Total	2022
Income		£	£	£	£
Donations	4	1,473		1,473	1,961
Investment Income	5	242	117	359	47
Income from Charitable Activities					
Support by General Fund		2,703		2,703	2,654
TOTAL Income		4,418	117	4,535	4,662
Expenditure					
Expenditure on Charitable Activities					
Student Membership		-2,850		-2,850	-2,850
Awards			-569	-569	
TOTAL Expenditure		-2,850	-569	-3,419	-2,850
Net Income and Net Movement in Funds for the Year		1,568	-452	1,116	1,812

Sustaining membership fund

This fund was formally established on 1 January 2010. The money is ring-fenced with 90% invested so that the fund can grow and eventually become self-sustaining. The other 10% is used to subsidise the free student memberships and bursaries.

Willy Aspinall Prize Fund

The Volcanic and Magmatic Studies Willy Aspinall Prize is a restricted fund established on 8 May 2017 to make an annual award for an outstanding paper in applied volcanology published within three years of the author being awarded a PhD.

CONSOLIDATED STATEMENT OF FINANCIAL ACTIVITIES

	Notes	30 JUNE 2023 Unrestricted Funds	30 JUNE 2023 Restricted Funds	30 JUNE 2023 Total Funds	2022
		£	£	£	£
Total Income		323,580	4,535	328,115	253,069
Total Expenditure		-309,425	-3,419	-312,844	-269,381
Net expenditure and Net Movement in Funds before Gains and Losses on Investments		14,155	1,116	15,271	-16,312
Net (Deficit) Gains on Investments	9	-9,224	-	-9,224	-27,019
Net Movement in Funds		4,931	1,116	6,047	-43,331
Total Funds 1 July 2022		1,370,750	29,413	1,400,163	1,443,494
Total Funds 30 June 2023		1,375,681	30,529	1,406,210	1,400,163

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
UNRESTRICTED FUNDS
STATEMENT OF FINANCIAL ACTIVITIES FOR THE YEAR ENDED 30 JUNE 2023

Income	**Notes**	**2023**		**2022**	
		£	£	£	£
Donations and Legacies	4		2,250		2,250
Investment Income	5		22,775		17,696
Income from Charitable Activities					
Members' Subscriptions			30,478		34,544
Gift Aid			787		589
Conference and Meetings Support			2,560		-
Cambridge University Press			180,400		146,792
Publications Income			27,593		23,995
Special Interest Groups Income (Page 23)		72,587		38,541	
Less: Allocation from Mineralogical Society		-16,000	56,587	-16,000	22,541
Miscellaneous Income			150		
TOTAL Income			323,580		248,407
Expenditure					
Contribution to Sustaining Membership Fund			2,703		2,654
Expenditure on Charitable Activities					
Subscriptions			643		1,183
Journals Expenditure					
Elements			10,327		9,867
Conference and Meetings Expenditure			8,621		951
Mineralogical Society Medals			1,379		1,544
Distinguished Lecturer			902		267
Website and Future of the Society					3,416
Journal Editorial Costs			39,862		39,309
Publications Expenditure			6,698		9,832
Travel Bursaries			4,110		3,613
Special Interest Groups Expenditure (Page 23)		72,350		27,923	
Less: Transactions with the Mineralogical Society		-6,138	66,212	-2,352	25,571
Office Expenses	6		114,211		111,480
Support Costs	7		52,958		54,532
Depreciation	8		799		729
Miscellaneous expenditure			-		1,583
TOTAL Expenditure			309,425		266,531

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
GROUPS STATEMENTS OF FINANCIAL ACTIVITIES FOR THE YEAR ENDED 30 JUNE 2023

	Income					Expenditure					
Groups	From General Fund	Bank Interest - Note 5	Meetings and Conferences	Donations Received Note 4	Total Income	Meetings and Conferences	Meetings and Conferences Support and Donations	Bursaries and Student Awards	Committee Travel and General expenses	Total Expenditure	Net Income (Expenditure)
	£	£	£	£	£	£	£	£	£	£	£
Applied Mineralogy	2,000	70			2,070		1,236	3,475	243	4,954	-2,884
Clay Minerals	2,000	130			2,130	410	1,000	751	296	2,457	-327
Environmental Mineralogy	2,000	29			2,029	265		1,386		1,651	378
Geochemistry	2,000	52	9,277	5,150	16,479	8,460	400	3,370	107	12,337	4,142
Geomicrobiology Network	2,000	61			2,061	1,050		465		1,515	546
Metamorphic Studies	2,000	58	4,771	1,000	7,829	6,301	330	915	12	7,558	271
Mineral Physics	2,000	57			2,057		500			500	1,557
Volcanic & Magmatic Studies	2,000	113	30,419	5,400	37,932	31,677		6,038	3,663	41,378	-3,446
	16,000	570	44,467	11,550	72,587	48,163	3,466	16,400	4,321	72,350	237

GROUPS STATEMENTS OF FINANCIAL ACTIVITIES FOR THE YEAR ENDED 30 JUNE 2022

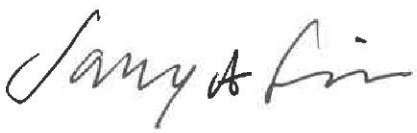
	Income					Expenditure					
Groups	From General Fund	Bank Interest - Note 5	Meetings and Conferences	Donations Received Note 4	Total Income	Meetings and Conferences	Meetings and Conferences Support and Donations	Bursaries and Student Awards	Committee Travel and General expenses	Total Expenditure	Net Income (Expenditure)
	£	£	£	£	£	£	£	£	£	£	£
Applied Mineralogy	2,000	9			2,009			400		400	1,609
Clay Minerals	2,000	23	1,753		3,776	4,798		100	268	5,166	-1,390
Environmental Mineralogy	2,000	1			2,001			2,000	36	2,036	-35
Geochemistry	2,000	4	13,161		15,165	8,621	900	3,534	77	13,132	2,033
Geomicrobiology Network	2,000	6			2,006						2,006
Metamorphic Studies	2,000	6			2,006		79	1,916	103	2,098	-92
Mineral Physics	2,000	6			2,006			800		800	1,206
Volcanic & Magmatic Studies	2,000	19	7,553		9,572	1,900		1,740	651	4,291	5,281
	16,000	74	22,467		38,541	15,319	979	10,490	1,135	27,923	10,618

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
BALANCE SHEET AT 30 JUNE 2023

	Notes	2023		2022	
FIXED ASSETS		£	£	£	£
Tangible Assets	8		345,837		345,970
Investments	9		837,541		829,879
Total Fixed Assets			1,183,378		1,175,849
CURRENT ASSETS					
Debtors	10	22,182		16,691	
Cash at Bank and in Hand	11	287,687		314,767	
Total Current Assets		309,869		331,458	
LIABILITIES					
Creditors: Amounts Falling					
Due Within One Year	12	-87,037		-107,144	
Total Assets Less Current Liabilities			222,832		224,314
NET ASSETS			1,406,210		1,400,163
The Funds of the Charity:					
Unrestricted Income Funds			1,375,681		1,370,750
Restricted Income Funds - Sustaining Membership Fund		18,734		17,166	
- Willy Aspinall Prize Fund		11,795	30,529	12,247	29,413
TOTAL CHARITY FUNDS			1,406,210		1,400,163

Signed on behalf of the Trustees

S. GIBSON
PRESIDENT



Approved by the Trustees on the 9 November 2023

Charity Number 233706

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2023

1. ACCOUNTING POLICIES

a. **Basis of preparation and assessment of going concern**

The Mineralogical Society constitutes a public benefit entity as defined by FRS 102.

The financial statements have been prepared under the historical cost convention with items recognised at cost or transaction value unless otherwise stated in the relevant notes to these accounts to include certain items at fair value. The financial statements have been prepared in accordance with the second edition of the Charities Statement of Recommended Practice issued in October 2019, the Financial Reporting Standard applicable in the United Kingdom and Republic of Ireland (FRS 102), and the Charities Act 2011.

The financial statements are prepared on a going concern basis under the historical cost convention, modified to include certain items at fair value. The financial statements are presented in Sterling which is the functional currency of the Charity.
The trustees consider that there are no material uncertainties about the Mineralogical Society's ability to continue as a going concern. The most significant areas of uncertainty that affect the carrying value of assets held by the Mineralogical Society are the level of investment return and the performance of investment markets.

The significant accounting policies applied in the preparation of these financial statements are set out below.

b. **Funds Structure**

Unrestricted funds are available for use at the discretion of the trustees in furtherance of the general objectives of the Charity and which have not been designated for other purposes.
Restricted funds are funds which are to be used in accordance with specific restrictions imposed by donors or which have been raised by the Charity for particular purposes. The aim and use of each restricted fund is set out on the statement of financial activities.

c. **Income recognition**

Voluntary Income - Donations are accounted for when received. Legacies are accounted for on entitlement.
Investment Income - Income from investments is accounted for on a receivable basis.

Members' subscriptions Income - Members' subscriptions are payable in advance on the 1 January each year and are accounted for in the period in which they are received.
During the year ended 30 June 2023 the Society had a net gain of 6 members.
At the 30 June 2023 there were 773 Members being 18 Honorary Life Fellows, 13 Honorary Fellows, 63 Life Members, 667 Fellows and Members and 12 Emeritus Members. These figures do not include 150 Student Members who are receiving free membership of the society for one year.
Conference and meetings income - Income from conferences and meetings are accounted for when the meeting has been held.
Cambridge University Press - Income from Cambridge University Press is accounted for on a prepayment basis as the guaranteed amount is received in advance for the calendar year.
Publications Income - Income from publications are accounted for on a receivable basis.

d. **Expenditure recognition**

Liabilities are recognised as expenditure as soon as there is a legal or constructive obligation committing the Charity to that expenditure, it is probable that settlement will be required and the amount of the obligation can be measured reliably. Any expected loss from a future conference or meeting is provided for as a liability.
All expenditure is accounted for on an accruals basis. All expenses including support cost and governance cost are allocated or apportioned to the applicable expenditure headings.

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2023

e. **Allocation of support and governance costs**
Governance costs comprise all costs involving the public accountability of the charity and its compliance with regulation and good practice. These costs include costs related to statutory audit and legal fees together with an apportionment of overhead and support costs as analysed in notes 6 and 7.

f. **Foreign currencies**
Monetary assets and liabilities in foreign currencies are translated into sterling at the rates of exchange ruling at the balance sheet date. Transactions in foreign currencies are translated into sterling at the rate of exchange ruling at the date of the transaction. Exchange differences are taken into account in arriving at the increase or decrease in funds.

g. **Tangible Fixed Assets for use by the Charity and Depreciation**
Tangible fixed assets are stated at cost less accumulated depreciation other than freehold land and buildings which are stated at valuation. Depreciation is provided on tangible fixed assets at rates calculated to write off the cost, less the estimated residual value of each asset over its estimated life using the straight line method at annual rates as follows:- Office Furniture and Equipment 25%. Computers 33.33%.

The Charity has adopted a revaluation policy in respect of the freehold land and buildings that will be revalued every five years. The fair value of land and buildings is determined from market based evidence by appraisal undertaken by a professionally qualified valuer.

Revaluation gains and losses are recognised in the Statement of Financial Activities.

h. **Stock**
There are stocks of publications, being surplus copies printed but not sold in the year. No value has been placed on stocks of these publications in these financial statements.

i. **Fixed asset investments**
Investments are a form of basic financial instrument and are initially recognised at their transaction value and subsequently measured at their fair value as at the balance sheet date using the closing quoted market price. The statement of financial activities includes the net gains and losses arising on revaluation and disposals throughout the year.

The Trust does not acquire put options, derivatives or other complex financial instruments.

The main form of financial risk faced by the charity is that of volatility in equity markets and investment markets due to wider economic conditions, the attitude of investors to investment risk, and changes in sentiment concerning equities and within particular sectors or sub sectors.

j. **Realised gains and losses**
All gains and losses are taken to the Statement of Financial Activities as they arise. Realised gains and losses on investments are calculated as the difference between sales proceeds and their opening carrying value or their purchase value if acquired subsequent to the first day of the financial year. Unrealised gains and losses are calculated as the difference between the fair value at the year end and their carrying value. Realised and unrealised investment gains and losses are combined in the Statement of Financial Activities.

k. **Pension Costs**
Contributions in respect of the Charity's defined contribution schemes are charged to the statement of financial activities for the year in which they are payable to the pension schemes.

2. **a. Auditors remuneration**
The auditor's remuneration constituted an audit fee of £5,868 (2022 - £5,495) and additional advisory work and accountancy of £6,102 (2022 - £8,589).

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2023

2. **b. Analysis of staff costs**	2023 £	2022 £
Remuneration	154,855	147,373
National Insurance	2,620	2,817
Life Assurance	1,124	1,004
Pension Costs	6,644	6,554
TOTAL	165,243	157,748

The average monthly headcount was 7 staff (2022 - 7) and the average monthly number of full-time equivalent employees (including part time staff) during the year was as follows:-	2023	2022
Publishing	2.5	2.5
Office Staff	2	2
Total	4.5	4.5

One employee had employee benefits that fell within the band £60,000 - £69,999 (2022 - One)
All employee time is involved in providing either support to the governance of the charity or support services to the charitable activities.

c. Key management compensation	2023 £ Salary	2023 £ Pension	2022 £ Salary	2022 £ Pension
Executive Director	69,439		65,302	-
Finance and Operations Manager	50,972	4,800	49,571	4,800

In addition to the above, national insurance contributions totalled £1,299 (2022 - £1,582)

3. ALLOCATIONS TO GROUPS by General Fund
An allocation is made to eight special interest groups of £16,000 for the year (2022 - £16,000).

4. VOLUNTARY INCOME - Donations	Page			2023 £	2022 £
Sustaining Membership Restricted Fund	21			1,473	1,961
General Fund - Geological Society	22			2,250	2,250
Special Interest Groups	23				
Geochemistry Group					
Agilent Technologies		1,000			
Anton Parr		500			
Elemental Scientific Instruments		1,000			
Isotopx		1,000			
Nu Instruments		500			
QMX Laboratory		750			
Thermo Fisher		400	5,150		
Metamorphic Studies Group					
Zeiss			1,000		
Volcanic and Magmatic Studies Group					
British Geophysical Association		500			
Denton Seismo Limited		700			
Geological Society		1,500			
Hilary Downes		300			
JEOL		400			
Thermo Fisher		1,000			
Thermo Fisher scientific Award		500			
Zeiss		500	5,400	11,550	

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2023

5. INVESTMENT INCOME

	2023	2022
Dividends and Interest	£	£
Unrestricted Funds	22,775	17,696
Restricted Funds	359	47
Individual Groups	570	74
	23,704	17,817
Interest on Cash Deposits	1,113	223
On Listed Investments	22,591	17,594
	23,704	17,817

6. OFFICE EXPENSES The breakdown of office costs and how these are allocated between Governance and Charitable Activities is shown below:-

	2023	2022
	£	£
Office Staff Remuneration	127,634	122,259
Reimbursement of staff expenses MDSG	-1,110	-933
	126,524	121,326
Office Staff Expenses	551	1,528
Rent, Rates and House Expenses	4,664	6,234
Printing, Stationery, Maintenance of Office Machines	940	1,387
Insurance	1,685	2,049
Postage, Telephone and Computer	12,240	10,541
Bank and Credit Card Charges	3,023	3,446
Miscellaneous Expenses including office assistance	650	173
	23,753	25,358
	150,277	146,684

Allocation as follows:-	2023	2022		
	%	%	£	£
Charitable Activities	76	76	114,211	111,480
Governance and Support Costs (Note 7)	24	24	36,066	35,204
	100	100	150,277	146,684

Allocation is calculated on the basis of staff time, cost and office usage.

7. SUPPORT COSTS

	2023	2022
	£	£
Governance and Support Costs		
Office Expenses 24% (2022 - 24%) (see note 6)	36,066	35,204
Business Meetings Expenses (Travel)	628	1,231
Investment Charges	4,294	4,325
Auditor's Remuneration	11,970	13,772
Total Allocated	52,958	54,532

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2023

8. TANGIBLE FIXED ASSETS for use by the Charity

	Page	Computers Office and Equipment	Freehold Land and Buildings	Total
Cost or Valuations		£	£	£
1 July 2022		18,780	345,000	363,780
Additions		666		666
30 June 2023		19,446	345,000	364,446
Depreciation				
1 July 2022		17,810	-	17,810
Charge for Year		799		799
30 June 2023		18,609	-	18,609
Net Book Value				
30 June 2023	24	837	345,000	345,837
30 June 2022		970	345,000	345,970

The freehold land and buildings were valued on the 17 September 2019 by Michael P Martin of Milestone Commercial Agency Ltd, at an open market value at £345,000. Open market value is considered to represent the fair value. The original cost of the freehold land and buildings acquired on 24 November 2006 was £358,978.

The Trustees consider that there are no indications of an impairment to the market value at 30 June 2023 since the valuation on 17 September 2019 and that the open market value continues to represent the fair value.

9. FIXED ASSET INVESTMENTS

	Page	2023	2022
Movement in Fixed Asset Listed Investments		£	£
Market value brought forward at 1 July 2022		829,879	844,451
Add: Additions to Investments at Cost		182,187	137,131
Cash Retained (Reinvested)		16,886	41,806
Disposals at Carrying Value		-182,187	-166,490
Less: Net (Losses) Gains on Sales and Net (Losses) Gains on Revaluations	21	-9,224	-27,019
Market Value at 30 June 2023	24	837,541	829,879

Investments at fair value Comprised:	Original Cost 2022	Original Cost 2023	Fair Value 2023	Fair Value 2022
U.K. Investments	£	£	£	£
UK Equities	154,800	107,652	117,260	164,163
UK Bonds	75,370	114,755	109,851	73,718
Multi Asset Funds	18,260	18,260	24,752	24,622
Property	81,538	67,306	66,803	100,919
Others	70,190	84,400	75,775	79,426
Cash	28,608	16,369	16,890	28,608
International Equities Investments	289,435	335,367	387,116	318,430
Non UK Bonds	44,090	45,001	39,094	39,993
TOTAL	762,291	789,110	837,541	829,879

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2023

9. FIXED ASSET INVESTMENTS continued

All investments are carried at their fair value. Investments in equities and fixed interest securities are all traded in quoted public markets, primarily the London Stock Exchange. The basis of fair value for quoted investments is equivalent to the market value, using the bid price. Asset sales and purchases are recognised at the date of trade at cost (that is their transaction value).

10. DEBTORS

	2023	2022
	£	£
Other Debtors and Prepayments	13,219	12,687
Publications	2,000	4,004
Conferences	6,963	
	22,182	16,691

11. CASH AT BANK AND IN HAND

		2023	2022
		£	£
Applied Mineralogy Group		18,311	21,195
Clay Minerals Group		38,678	42,050
Environmental Mineralogy Group		6,289	5,911
Geochemistry Group		17,146	8,465
Geomicrobiology Network		16,483	15,937
Metamorphic Studies Group		13,439	13,168
Mineral Physics Group		15,687	14,129
Volcanic & Magmatic Studies Group		33,670	37,115
		159,703	157,970
Group Monies on	Reserve Account	39,703	67,970
	Deposit Account	120,000	90,000
		159,703	157,970
Sustaining Members	Reserve Account	17,408	15,401
Willy Aspinal	Reserve Account	11,795	12,248
		29,203	27,649
Mineralogical Society	Current Account	93,781	94,148
	Reserve Account	5,000	5,000
	Deposit Account	0	30,000
		98,781	129,148
Total Cash at Bank		287,687	314,767

12. CREDITORS AMOUNTS FALLING DUE WITHIN ONE YEAR

	2023	2022
	£	£
Publications		
Cambridge University Press	54,415	56,322
DHZIII	1,551	1,728
Elements	-	3,707
Geoscience World	9,656	9,656
Conferences	-	6,290
HM Revenue & Customs VAT	7,367	7,185
Other Creditors	1,048	9,256
Accruals	13,000	13,000
	87,037	107,144

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2023

13. TAXATION

The Mineralogical Society is a registered charity and is not subject to taxation on any excess of Income over expenditure.

14. COMMITMENTS

a) Pension Commitments

The Society operates a defined contribution pension scheme on behalf of its employees. The Society also operates a defined contribution Automatic Enrolment pension scheme on behalf of the employees. The assets of the schemes are held separately from those of the Society in independently administered funds. The annual pension commitment under these schemes are for contributions of 2 x the employees gross contribution, up to a maximum Society contribution of 10%, either to a defined contribution pension scheme or to an automatic enrolment pension scheme.

b) Other Financial Commitments

The Society is committed to support conferences, pay travel costs for mineralogists in future years and produce publications. The anticipated annual cost of this commitment is £46,464 (2022 - £40,500).

The Society had no capital commitments on 30 June 2023 (2022- Nil).

15. REMUNERATION AND EXPENSES PAID TO TRUSTEES

Editorial expenses include remuneration paid to Trustees of:-	2023	2022
	£	£
G.E. Christidis	4,000	4,956
S. Mills	4,004	4,004
R.H. Mitchell	4,000	4,000
Chun-Hui Zhou	4,000	2,000

In addition £628 (2022 - £444) is reimbursed to two (2022 - three) trustees for travelling and accommodation expenses.

16. RELATED PARTY TRANSACTIONS

No trustee had any personal interest in any contract or transaction entered into by the charity in the year.

17. PRIOR YEAR COMPARATIVE FIGURES FOR THE FINANCIAL STATEMENTS

CONSOLIDATED STATEMENT OF FINANCIAL ACTIVITIES

	30 JUNE 2022		
	Unrestricted Funds	**Restricted Funds**	**Total Funds**
	£	£	£
Total Income	248,407	4,662	253,069
Total Expenditure	-266,531	-2,850	-269,381
Net Income and Net Movement in Funds before Gains and Losses on Investments	-18,124	1,812	-16,312
Net Gains (Losses) on Investments	-27,019	-	-27,019
Net Movement in Funds	-45,143	1,812	-43,331
Total Funds 1 July 2021	1,415,893	27,601	1,443,494
Total Funds 30 June 2022	1,370,750	29,413	1,400,163

Mineralogical Society of the United Kingdom and Ireland

England & Wales - Charity number 233706

Accounts

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND

FORMERLY MINERALOGICAL SOCIETY OF GREAT BRITAIN AND IRELAND

ANNUAL REPORT AND AUDITED FINANCIAL STATEMENTS

FOR THE YEAR ENDED 30 JUNE 2022

David M. Rees & Associates Limited

CHARTERED ACCOUNTANTS

Well Cottage
Cucumber Lane
Essendon
Hertfordshire AL9 6JB

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
ANNUAL REPORT AND AUDITED FINANCIAL STATEMENTS FOR THE YEAR ENDED 30 JUNE 2022

INDEX

	Page
Trustees and Advisors	1 and 2
Report of the Trustees	3 to 16
Report of the Independent Auditors	17 and 18
Statements of Financial Activities	19 to 21
Balance Sheet	22
Notes to the Financial Statements	23 to 29

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND

REFERENCE AND ADMINISTRATIVE INFORMATION

Trustees and Advisors for the year ended 30 June 2022

PRESIDENT		J. Lloyd
PRESIDENT ELECT		S. Gibson
VICE-PRESIDENTS		M. Widdowson - Ceased acting 31 December 2021 A. Neumann - Acting from 17 May 2022 D. Wray
TREASURER		J. Harvey
GENERAL SECRETARY		J.M. Horák
PUBLICATIONS MANAGERS		R.J. Bowell
PUBLIC RELATIONS OFFICER		J. Byrne
ELEMENTS REPRESENTATIVE		M.E. Hodson
PRINCIPAL EDITORS	Mineralogical Magazine	S. Mills R.H. Mitchell
	Clay Minerals	G.E. Christidis Chun-Hui Zhou - Appointed 1 January 2021
GROUP CHAIRS		
Applied Mineralogy Group		E. Deady - Resigned 27 January 2022 M. Smith - Acting from 27 January 2022
Clay Minerals Group		A. Neumann
Environmental Mineralogy Group		L. Newsome
Geochemistry Group		M. Millet
Geomicrobiology Network		K. Olsson-Francis
Metamorphic Studies Group		C.M. Mottram - Resigned 14 April 2022 O. Weller - Appointed 14 April 2022
Mineral Physics Group		A.R. Thomson - Resigned 17 May 2022 O. Lord - Appointed 17 May 2022
Volcanic & Magmatic Studies Group		S. Gibson - Ceased acting 12 January 2022 T. Mather - Appointed 12 January 2022
ORDINARY MEMBERS OF COUNCIL		F. Cooper J. Darling S. Hammond - Appointed 11 November 2021 M. Rumsey M. Smith - Ceased acting 27 January 2022 R. Taylor N. Gray-Wannell

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
Trustee and Advisors for the year ended 30 June 2022

CUSTODIAN TRUSTEES		J.F.W. Bowles - Resigned 31 December 2021 M. Widdowson D. Wray
OFFICE		12 Baylis Mews 93 - 101 Amyand Park Road Twickenham Middlesex TW1 3HQ
EQUALITY DIVERSITY INCLUSIVITY OFFICER		L. Kelly
ADMINISTRATION	Executive Director Finance and Operations Manager	K. Murphy R. Rajendra
AUDITORS		David M. Rees & Associates Limited Well Cottage Cucumber Lane Essendon Hertfordshire AL9 6JB
SOLICITORS		Nabarro Nathanson Lacon House 84 Theobald's Road London WC1X 8RW
BANKERS		Coutts & Co 440 Strand London WC2R 0QS
INVESTMENT MANAGER		Schroder & Co. Limited, trading as Cazenove Capital 1 London Wall Place London EC2Y 5AU
WEBSITE		www.minersoc.org
CHARITY REGISTRATION NUMBER		233706

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
REPORT OF THE TRUSTEES FOR THE YEAR ENDED 30 JUNE 2022

The trustees present their annual report and financial statements of the charity for the year ended 30 June 2022. The Financial Statements have been prepared in accordance with the accounting policies set out in Note 1 to the financial statements and comply with the charity's governing document instituted on 3 February 1876 (Bye-Laws 11 November 2021 revision) the Charities Act 2011 and Accounting and Reporting by Charities: Statement of Recommended Practice applicable to Charities preparing their financial statements in accordance with the Financial Reporting Standard applicable in the United Kingdom and Republic of Ireland published in October 2019.

On 11 November 2021 it was approved in the revised Bye-Laws that the Charity be known as Mineralogical Society of United Kingdom and Ireland, although the society is still and always has been commonly referred to as Mineralogical Society. The abbreviation Mineralogical Society of the UK and Ireland is also used.

OBJECTIVES AND ACTIVITIES FOR THE PUBLIC BENEFIT

The object of the Mineralogical Society of the United Kingdom and Ireland, with which the Crystallological Society was amalgamated on 11 December 1883, is 'to advance the education of the public in general (and particularly amongst scientists) on the subject of mineralogy and all related disciplines and to promote research for the public benefit in all aspects of that subject and to publish the useful results. In furtherance of the said objects of the Society but not otherwise the Council of the Society may: publish or cause to be published such periodical and other publications as it thinks fit, establish special interest groups, hold or arrange to be held seminars, conferences or other forms of discussion, award prizes, medals and exhibitions, receive donations or bequests for any general or special purpose connected with the object of the Society, establish or support any charitable institution having object similar to the object of the Society, do all such other things as shall further the attainment of the object of the Society.

Long-Term Strategy

Our long-term strategy remains largely unchanged, though we have added outreach to our list of priorities. The Society's aim is to continue to publish its flagship journals (in the face of significant change in the landscape of journal publishing) and its role in the EMU *Notes in Mineralogy* book series. Support for the Society's Special Interest Groups will continue, both financially and logistically, as it is largely through these SIGs that the Society serves the community of mineralogists. We will continue to be part of the *Elements* 'family' of Societies which distributes *Elements* to all members. The Society will also be involved in the organization and support of scientific meetings (including the European Mineralogical Conference in 2024 and the International Clay Conference in 2025. Our strategy is to provide these services at an affordable cost to members and libraries. Our service to the student community, i.e. provision of one year's free membership and subsidized membership thereafter, will also continue. Online hosting of scientific events have proven to be an unexpected benefit arising from restricted movements imposed by the pandemic; these are set to continue in various formats. Finally, we are working towards provision of an outreach service which will serve the general public and hopefully help to encourage those from marginalized groups to consider our science as a career.

What difference is the Mineralogical Society seeking to make?

The Society seeks to be a leader in the provision of Society services to the international community of mineralogists. The organization facilitates the gathering of mineralogists to discuss matters of mutual interest, and thereafter to place information in the public domain through dissemination in its publications. We also exist to support the training of new mineralogists and to serve as a source of information for the public.

In setting our aims and objectives and planning our future activities the trustees have given careful consideration to the Charity Commission's general guidance on public benefit and in particular to its supplementary public benefit guidance on advancing education.

Bursaries

The purpose of the bursary scheme is to support academic work by facilitating attendance at overseas conferences and meetings; encouraging international collaboration, involving research of high merit; or supporting fieldwork. Applications are vetted by the Society's Awards Committee. This year eight student bursaries, one senior bursary and the Prichard Bursary were awarded.

A REVIEW OF OUR ACHIEVEMENTS AND PERFORMANCE

Membership

During the year ended 30 June 2022 the Society had a net decrease of 17 members. At 30 June 2022 there were 767 Members being 18 Honorary Life Fellows, 14 Honorary Fellows, 64 Life Members, 659 Fellows and Members and 12 Emeritus Members. These figures do not include 150 Student Members who are receiving free membership of the society for one year.

Publications Manager

We have agreed, in principle, to a new five-year publishing deal with Cambridge University Press. The Society journals are now considered to be 'hybrid' (i.e. hybrid between traditional subscription-base sales and open access publishing) and tracking towards becoming fully open access.

No volumes were published in the EMU Notes in Mineralogy Series during the year in question.

Elements Magazine is still a major attraction for our members.

We are moving forward with plans to publish a fourth edition of the *Introduction to Rock-Forming Minerals* by Deer, Howie and Zussmann.

Mineralogical Magazine

The editors thank the journal's Production Editor, Helen Kerbey, without whose work the journal would not function efficiently. We commend her for her excellent copy-editing and positive interaction with Cambridge University Press and our typesetters. We also note that she responds quickly to queries from authors with regards to their problems with the manuscript submission system. Both editors value her involvement in maintaining the high standards of the journal. They are also grateful to all members of the Editorial Board. Without their dedication it would not be possible to publish the journal.

This is the fifth year of the journal production using the Editorial Manager manuscript tracking system. Problems encountered during the first years have been resolved and the submission and review process is operating without any major problems. The A4 format of the journal has been well-received. The immediate access to the on-line version in pre-publication format (i.e. before copy-edit and typesetting) and the diverse metrics associated with the papers published has been welcomed by the editors and readers of the journal. Cambridge has provided the editors and the publications committee with valuable and interesting monthly Publisher's Reports on usage and citations.

The journal has continued to publish high quality papers in wide range of mineralogical and petrological topics, and in the Editors' opinion remains the premier periodical for publication of papers concerned with theoretical mineralogy, mineral crystal structures and description of new minerals. This status reflects, in part, our policy of providing full-colour imagery without charge.

The impact factor of the journal has risen from the previous levels of 2019 (1.738) and 2020 (2.062) to 2.131 in 2021. We consider that these relatively minor change in the impact factor of the journal are not a reflection on the quality of the papers published as these were very similar in content to previous years. The changes in the impact factor are not readily explicable and perhaps indicates the futility of this ever-changing metric in measuring the quality of publications.

Most papers published from July 1st 2021-June 30th 2022 were green open access, although 17 gold open access papers were published, representing a slight decrease over the previous year when 20 gold open access papers were published. There were no on-line only special issues. The journal continues to publish upon receipt the reports of the IMA New Minerals, Nomenclature and Classification (CNMNC) Committee.

Seventy five papers (980 pp) were published between July 1st 2021 and June 30th 2022; 65% were in the field of crystallography, theoretical mineralogy and new minerals, and 35% in the fields of general mineralogy, petrology and environmental mineralogy. This distribution is exactly the same as in the previous reporting period. The subject distribution and senior authorship by country has not changed significantly since the last report. Although Italian and Russian crystallographers provide the bulk of our crystallographic papers, our major contributors in all fields originate from Australia, Russia, the USA and Canada.

In this reporting period the editors received 109 manuscripts; 75 (69%) were accepted and 34 (31%) were rejected. Some of the rejected were not within the scope for the journal.

One thematic issue was published in August 2021 (85/4), the Gregory Ivanyuk Memorial Issue together with two obituaries (M. Bown; A.W.R. Bevan) and two book reviews.

Roger Mitchell, Stuart Mills
Joint Principal Editors

Clay Minerals

Four issues of *Clay Minerals* were published or are in press between July 2021 and June 2022. The 4 issues contained 24 papers, two reviews (George Brown lecture paper and a normal review) one short paper and one corrigendum. All issues were published under the new agreement with Cambridge University Press. There is a lag in the publication schedule that we are trying to reduce. The papers were printed at the new format with larger (A4) pages. The new larger printing style explains the smaller number of published pages compared to previous years.

The research articles covered a wide range of applications, from use in industrial production of ceramics to application as selective catalysts and geotechnical applications, from geology of clays and sediments to soils and physical and chemical properties of clays, from environmental applications of clays (green chemistry) to nanocomposites, archeological ceramics, minerals (smectite, kaolinite, pyrophyllite, palygorskite, sepiolite, layer double hydroxides), synthetic zeolites from clays, production of metals from clays and role of clays on ore beneficiation and locations (11 countries from Western and Southern Europe, Africa, Asia, North and South America). The geographical distribution of the published papers (including the GB Lecture) is shown in the following table:

Geographical distribution of the published papers

Country	No of papers	Country	No of papers
China	10	Greece	1
Turkey	5	Japan	1
Iran	3	Russia	1
Brazil	2	U.K.	1
Algeria	1	USA	1
Egypt	1		

During the period being considered, 70 manuscripts were submitted from 17 countries from Europe, Asia, Africa, and North and South America. At the same time interval, there were 182 editorial decisions, 28 of which indicated acceptance, 56 verdicts suggested major revision, 48 suggested minor revision and 50 of rejection including non-suitability for the journal (note that more than one verdict is applied to each manuscript, depending on the number of rounds of revision). The overall rejection rate was 27.5%. Regarding decisions of original papers, the rejection rate was 46.5% including papers unsuitable for the journal. The average time from submission to first decision was 57.6 days (48.5 last year). The main reason for the increase in time from submission to first decision is the increase in time from submission to reviewer invitation (from 10.7 last year to 17 this year), whereas the time between manuscript submission and Associate Editor assignment remained essentially the same. The submission to publication time is 130–140 days. 527 reviewers were invited, of whom 399 agreed to provide reviews (~75%). 185 reviewers submitted reviews, 193 reviewers were uninvited before agreeing, and 20 were terminated after agreeing.

Currently there are three special issues open. The first is on REE and critical metal in clays is organized by Asuman Turkmenoglu the second is dedicated on the ICC2022 and the third is 'New Technologies for Industrial Wastewater Reclamation: (soils, LDHs, zeolites)'. The papers from ICC2022 will have a number of guest editors (people who convened the respective sessions at the conference), who have been in contact with prospective authors. The third special issue was proposed by Dr. I. Tlili from Tunisia. Announcements for these special issues have been uploaded on the webpage of the journal. The deadline for submission of papers for the three issues is 31 December 2022 and the publication of the papers is planned for June 2022–September 2023.

The journal appointed a second Principal Editor, Prof. Chun-Hui Zhou, on 1st January 2022. Prof. Zhou has quickly familiarized himself with the journal and he is working hard to improve the status of the journal and to promote its content to the scientific audience in Asia and beyond. The Editorial Board is working smoothly and the members are devoted to their duties. Still we need to improve further the handling time of manuscripts, so that time for first submission of first editorial decision report decreases to 6 weeks from 8 weeks today. A virtual editorial board meeting took place on 14 January 2022 and a hybrid meeting took place during the ICC2022 in Istanbul. We hope that in the future EB meetings will be at least hybrid with both physical and virtual presence.

The Impact factor (IF) of the journal in 2021 increased to 1.734 from 1.478 in 2020. This is very close to the highest IF recorded for the journal (1.787 in 2018). The journal is on the right track and we expect that the collective effort of the editorial board, staff and publishing team will help to increase the impact factor further in the years to come.

Applied Mineralogy Group

The group jointly organized a hybrid RiP on 22–23 June 2022, in conjunction with the Environmental Mineralogy Group. It was organised by James Byrne and Tom Neill (EMG) and Martin Smith and Katie McFall (AMG). There were 58 registrations and ~30 attendees at the event in Bristol with the rest attending online. See the EMG report below for further details.

The *Applied Mineralogist* newsletter (https://www.minersoc.org/amg-applied-mineralogist.html) has continued through the year and is now in vol. 7.

Eimear Deady completed her term of office as chair, to be replaced by Martin Smith. The full committee is:
Chair: M. Smith
Secretary: H. Grant
Treasurer: R. Shaw
PRO: E. Marquis
Awards Officer: Anouk Borst
Events Officer: Katie McFall
Student representatives: Christian Bishop, Katie Devenish, Adam Eskdale, Tim Webster
MDSG Rep: Rachael Gallagher
Members: J.Bowles (retired), A. Finch, H. Hughes, A. Lacinska, J. MacDonald, W. Brownscombe

Clay Minerals Group

Committee Meetings

The CMG held three committee meetings, all online (19 Nov 2021, 28 Feb 2022, 5 May 2022).

Research in Progress Meeting

The Research in Progress (RiP) Meeting took place as the second day of the 75-year Jubilee Meeting (see below). The usual focus on students and their work was in evidence during the event with excellent presentations both orally and poster.

The student presentation prizes were awarded to Hassan Majiya (Sheffield Hallam University) for his oral presentation and to Max Rose (University of Manchester) for his outstanding poster.

CMG 75 year Jubilee year in 2022

A Jubilee organising committee (Anke Neumann, Helen Pendlowski, Simon Kemp, Francis Clegg; Kevin Murphy in support) has continued regular monthly meetings that started in March 2021. The main activities that were planned and started in January 2022 are:

2-day 75-year Jubilee Meeting

The meeting was held as hybrid in-person/online event at the Natural History Museum (NHM) in London on 25-26 May 2022. It was organised by Francis Clegg (Sheffield Hallam University) with the support of Mike Rumsey (NHM). On the first day, invited research presentations highlighted past and present of CMG and clay research. Invited talks were given by:

- Simon Kemp (British Geological Survey) – A history of the Clay Minerals Group
- Christopher Jeans (University of Cambridge) – How to survive as a clay mineralogist!
- Claire Fialips (TotalEnergies) – Lithofacies-petrophysical-geomechanical relationships in the Vaca Muerta Fm, Neuquen Basin, Argentina
- Chris Greenwell (Durham University) – Chemistry between the sheets – the happy marriage of computer simulation and experimental methods in clay science
- Steve Hillier (The James Hutton Institute) – A tale of two halloysites
- Ian Wilson (Consultant) – A trip around some kaolin and halloysite deposits

The day was rounded off by 'behind the scenes tours' through the collection of the NHM, led by Mike Rumsey and Javier Cuadros; and by a Conference banquet that was attended by many of the past CMG officers in attendance and by Jon Lloyd, the Mineralogical Society President and Sally Gibson, President Elect, both of whom spoke warmly about the importance to the Society of the Clay Minerals Group and how the CMG will be integral to the Society's future as it approaches its own milestone 150 years of existence (2026).

Video Interviews

The CMG has been working on the recording and publication of 12 interviews (one for each month during 2022) highlighting the diversity of minds and hearts behind the fantastic world of clay mineral research and application. Within the reporting period the following interviews have been released on the Youtube channel:

- January 2022 interview – Adi Radian (Technion, Israel), interviewed by Anke Neumann
- February 2022 interview – Warren Huff (University of Cincinnati, USA), interviewed by Kevin Murphy
- March 2022 interview – Kirill Shafran (BYK Additives), interviewd by Francis Clegg
- April 2022 interview – Lynda Williams (Arizona State University, USA), interviewed by Neal Skipper
- May 2022 interview – Nathalie Fagel (Université de Liège, Belgium), interviewed by Megan Baker
- June 2022 interview – Christopher Jeans (University of Cambridge, UK), interviewed by Kevin Murphy and David Wray

Launch of the CMG Newsletter 'Phyllosophical News'

A team of Early Career Clay Scientists has been working on putting together a regular CMG newsletter, to be launched as part of the 75-year Jubilee Year. The first issue was published in April 2022, covering, in its nine pages, topics as diverse as history, new publications, guess the clay mineral and an interview with the 23rd George Brown Lecturer Yael Mishael (The Hebrew University of Jerusalem, Israel). We are very indebted to the team: Megan Baker (University of Durham), Nia Gray-Wannell (Hutton Institute) and Maggie White (Newcastle University).

Images of Clay

Each month, we are adding a new image of a clay to the Images of Clay archive, which is a joint initiative of the CMG and The Clay Minerals Society. All of the 12 new images will be from the UK and Ireland and are being provided by Steve Hillier and team. The new additions within the reporting period are:

- January 2022 image – Scottish halloysite
- February 2022 image – Yorkshire berthierine
- March 2022 image – Cornish kaolinite
- April 2022 image – Irish gibbsite
- May 2022 image – Welsh dickite
- June 2022 image – Scottish saponite

Image competition

We announced an international competition to find the 'best' new images to add to the Images of Clay archive, which will be the December addition of the CMG to the archive. Submission deadline will be 1 December 2022 and a panel from CMG will judge the best new addition to the archive from the images received. The winning image and submitter will be announced in December.

Launch of new CMG Research Grant

We launched a CMG Research Grant, which is open to submissions from PhD students or Early Career Researchers (ECR). The principal objective is to promote, instigate and deliver clay mineral-based research. The award can be used for mobility to instigate and/or carry out research, as seed-corn funding to begin a research-based 'proof of concept'

investigation, or to obtain materials, chemicals, small instruments for a specific research purpose. The maximum amount of money available per year will be approximately £3,000 and was raised to £5,000 for the 75th Jubilee year. The deadline for applications is 1 December 2022 and up to £1,000 can be awarded per applicant.

Twitter Campaign

We have been ramping up our Twitter activities and branding special Tweets as Jubilee-year Tweets. We have published 33 tweets during the reporting period and will publish a total of 75 tweets during the Jubilee Year.

Contributions to *Elements* magazine

We have written contributions to be published in the Elements magazine:

- Announcement of Jubilee Year and activities in the December 2021 issue
- Report on the 75-year Jubilee Meeting in London in the August or October 2022 issue

CMG-sponsored activities

Due to the pandemic, major conferences were postponed to 2022. The CMG will provide sessions and talks at the prestigious International Clay Conference (Istanbul, 25-29 July 2022), including the 2022 George Brown Lecture by Yael Mishael (The Hebrew University of Jerusalem) in the session 'Clays for contaminants control' coordinated by Binoy Sarkar (Lancaster University) on behalf of the CMG. At the Mid-European Clay Conference (Kliczków Castle, 11-15 September 2022), Sabine Petit (Université de Poitiers) will deliver the 2020 George Brown Lecture, which was postponed due to the pandemic.

Social Media

The CMG's Twitter account (@CMG_minsoc) remains one of our important means of communication, especially for the 75 tweets to celebrate the 75-year Jubilee. The LinkedIn Group (Clay Minerals Group (MinerSoc)) is targeting outreach to and communication with industrial colleagues.

Annual General Meeting and CMG Committee Membership

The CMG AGM was held online on 19 November 2021. The CMG thanked Neal Skipper (UCL) for his service to the CMG as committee member. All other members and officers remained in post.

Chair: Anke Neumann
Secretary: Helen Pendlowski
Treasurer: Francis Clegg
Principal Editor Clay Minerals: George Christidis
Members: Simon Kemp, Kirill Shafran, Steve Hillier, Binoy Sarkar, Megan Baker, David Wray, Chris Greenwell

Environmental Mineralogy Group

Research in Progress meeting

We successfully held a hybrid RiP on 22–23 June 2022, in conjunction with the Applied Mineralogy Group. It was organised by James Byrne and Tom Neill (EMG) and Martin Smith and Katie McFall (AMG). There were 58 registrations and approx. 30 attendees at the event in Bristol with the rest attending online. There were 12 oral presentations including keynote talks given by Dr Anita Etale, University of Bristol: "Acid mine drainage: Menace or Resource?", Dr Lewis Blackburn, University of Sheffield: "Development of Advanced Ceramic Materials in Support of Nuclear Waste Management" and Dr Devin Sapsford, University of Cardiff: "Resource recovery from wastes and effluents". As well as this there were 10 poster presentations.

For 2023 we hope to hold the RiP in conjunction with the Geomicrobiology Network, hosted in Ireland for in person attendees but with hybrid options also available. We are committed to keeping RiP meetings free for student presenters with travel bursaries of up to £50 travel bursaries for all student presenters. We charge only a small fee to other attendees to cover catering costs.

Research bursaries

The EMG have operated a Seed Corn bursary scheme for early career researchers since summer 2015. We offer up to £500 twice a year to facilitate seed-corn research and/or pump-priming ideas, that are expected to lead to publication and/or research funding applications. Bursary reports from previous winners are available on our website. In November 2021 two bursaries were awarded, to Tom Neill (University of Manchester) and Lewis Blackburn (University of Sheffield). In Spring 2022 we did not receive any applications.

Science outreach video competition

The EMG ran its first science video outreach competition in Autumn 2021, with the winners announced in December 2021. Three entries were received, and all were judged by the committee to be worthy prize winners (there were four prize categories). The videos are hosted on the Mineralogical Society YouTube channel, and the committee agreed to run the competition again in 2022.

Newsletter

The EMG will launch its newsletter "The EMG Explorer", edited by Luke Townsend. The first issue will be published in July 2022.

Committee meetings and members
The committee typically meets three times a year: our annual meeting at the RiP (summer) and two other meetings (spring and autumn) with the primary goal of reviewing and awarding ECR bursaries. Our committee meetings have been online since March 2020, and during this period we met on 19/11/2021, 16/3/2022 (chaired by Luke Townsend as LN was on maternity leave) and our AGM was held on 28/6/2022.

Committee
Chair: Laura Newsome
Secretary: Ronan Courtney
Treasurer: Stephen Parry
Communications Officer: James Byrne
Early Career Representative and Newsletter Editor: Luke Townsend
Student Representative: Latham Haigh
Industrial Representative: Liam Abrahamsen (NNL)
EDI Representative: position vacant
Ordinary Members: Ece Kirat, Jay Bullen, Tom Neill

To summarise the changes, committee member Samuel King left the committee and Tom Neill (University of Manchester) and Latham Haigh (University of Sheffield) joined the committee. Steve Parry will step down as treasurer in November 2022 and also from the committee; we thank Steve for many years of service to the EMG including 5 years as treasurer. Tom Neill will take over as the new treasurer.

Geochemistry Group
The Geochemistry Group went through significant changes in the academic year 2021–22, with all officer positions being re-attributed. In the summer 2021, a new action plan was devised an agreed with the overall aim to diversify our range of activities and stimulate engagement with Early Career Researchers (ECRs). This has led to the development of two new online panel discussion series which currently runs every two months (apart from summertime). These panel discussions are recorded and uploaded on YouTube for free access through the GG website.

The first panel is 'Out of Academia – Into Science' which aims to promote alternative science careers to ECRs. Each panel discusses a specific career and typically attracts 30–50 attendees. So far, these panels have covered careers in the public sector, working with instrument designers and manufacturers, charities, research funders. The second panel is an ECR skills programme where specific skills or aspects of academia are discussed. Panels have so far discussed paper writing and preparing/writing a fellowship application. We would be delighted to work with other SIGs in the future to expand the reach of these panels.

The Group has also continued on its more usual activities such as ECR awards (postdoctoral medal and ECR prominent lecturer award) to Dr Arola Moreras Marti and Dr Jacqueline Campbell, respectively.

We also organised our annual GGRiP meeting in May at Cardiff University. This was a meeting of firsts: the first time it was organised in Wales, the first time it was organised as a hybrid meeting and first time we had >120 attendees. We were particularly happy that the hybrid conference was a success and ran smoothly.

Geomicrobiology Network
This year's Geomicrobiology Research in Progress meeting took place at the University of Huddersfield on the 30th June and 1st July 2022 organized by Paul Humphries and Simon Rout. This was a hybrid even and people could attend free of charge either online or in person.

Karen Olsson-Francis, will soon complete her term of office and will be replaced by John Moreau as chair of the network.

The full committee as of August 2022 will be:
Chair: John Moreau
Deputy chair: Casey Bryce
Secretary: Laura Kelly
EDI Officer: Ana Santos
Treasurer: Andy Mitchell
Post-doctoral representative and communications officer: vacant
Post-graduate student representative: Chloe Morgan
Social Media: Mario Tubes Rodrigo
Publications Coordinator: Karen Cameron
Industry Liaison: Matt Streets
Members: T. Clarke; G. Gadd; P. Humphreys, H. Sass; Jon Telling, Jon Lloyd

Metamorphic Studies Group
This report summarises the main activities of MSG, including committee meetings, a summary of the annual Research in Progress (RiP) meeting, the Barrow Award, and outeach initiative including a video competition.

Committee meetings
The committee formally meets twice a year via Zoom, with regular sub-meetings and email threads to organise events throughout the year. Meetings were held on 8 November 2021 and 6 May 2022. The committee is elected at the AGM of each RiP meeting, and currently comprises:

Chair: Owen Weller: Chair
Secretary: Richard Palin
Treasurer: Barbara Kunz
Student representative and webmaster: Isabel Carter
International representative: Ines Pereira:
EDI officer: Anna Bidgood
Barrow award organiser: Freya George
Field trip organiser: Thomas Lamont
Committee members: Catherine Mottram, Caroline Lotout, Batzi Fischer

Research in Progress meeting
MSG held its annual RiP meeting at the University of St Andrews from 11–14 April 2022. The meeting was organised by Richard White, and included a one-day hybrid conference, a two-day fieldtrip, and a virtual poster session. The meeting was a great success, with 32 people in person and a further 30 online.

The conference included 18 talks across four sessions, including keynote talks from Chris Yakymchuk (Queens University), 'Accessory to mischief: reflections on a decade of modelling accessory minerals in metamorphic system' and Dave Pattison (University of Calgary) 'Polymetamorphism in the Buchan type-area, NE Scotland'. The talks spanned a huge breath of topics, from classic Scottish Barrovian and Buchan metamorphic zones, to thermal modelling, petrochronology, fluid behaviour and geodynamics. The conference was followed by a two-day fieldtrip through the Buchan zones, led by Dick White and Dave Pattison. We visited the classic Buchan zone sequence near Banff including visits to Portsoy, Fraserburgh, and Inzie Head. Finally, a virtual poster session was held using the Gather.town platform.

Beatriz Benetti (PhD student, University of Turin) won the best student talk presentation for her presentation 'Heat-sources and exhumation of deep crust: evidence from the Pouso Alto Nappe HP-UHT granulite, Southern Brasilia Orogen, SE Brazil'. Joe Benson (MSci student, University of Cambridge) won the prize for the best student poster presentation for his poster 'How hot was Scotland? Decoding the ultrahigh temperature metamorphism of the South Harris Granulite Belt'. Student prizes were kindly sponsored by Zeiss.

Barrow Award
Katy Evans (Curtin University) was awarded the 2022 Barrow Award (see https://metamorphicstudiesgroup.wordpress.com/barrow-award/winners-of-the-barrow-award/ for the commendation). Katy was unable to attend the RiP meeting to collect the award, so an online talk was being organised as a platform for Katy to receive the award and give on 15 September 2022.

Metamorphic ROCKS! video competition
Spearheaded by a sub-committee comprising Ines Pereira, Anna Bidgood and Caroline Lotout, MSG organised a video competition called 'Metamorphic ROCKS!'. The metamorphic community was invited to make videos, up to 90 seconds long, explaining why metamorphic rocks are the best. Stacy Philips (ex MSG webmaster) was commissioned to make a (fantastic!) stop motion lego film about metamorphic geology to launch the video competition (https://youtu.be/3QIQf5EA-bw). The winners were announced at the RiP meeting. First place went to Gautier Nicoli and Capucine Albert (https://youtu.be/qzj_RmffuU0). Second prize went to Prachi Patel, Grace Watterson and Ariana Wang (https://youtu.be/bJ1xjvgAp2M).
The videos are an excellent outreach resource for the future and are hosted on the MSG/Minsoc Youtube page. Planning is underway to organise a logo competition for next year's RiP.

Social media
Isabel Carter has been doing an excellent job managing our website and social media presence, including Facebook and Twitter.

Mineral Physics Group
The Mineral Physics Group (MPG) has not held any research meetings since the outbreak of Covid-19 in March 2020. We have also gone through a substantial change in personnel, including a new Chair, Oliver Lord, from the University of Bristol, who took over on 22/5/2022. Since that date we have appointed a Secretary (a post that has been vacant for some time) and three new Ordinary Members. Now that the committee is complete, a meeting has been organised (for the 16th of November) at which the major agenda item will be the organisation of a Research in Progress meeting, to be held in the Summer of 2023. Thereafter we plan to organise similar RiP meetings on a yearly basis. The group now also has a social media presence, with a Twitter account (111 followers as of 28/10/2022) that we will continue to promote and expand, and use to help advertise SIG related events, including our RiP meetings and student bursaries. At the time of writing, we have not received any applications for our student travel/research bursary scheme this year and our Covid-19 hardship fund scheme has come to an end. Promoting our bursary scheme will be another priority over the next year.

The full committee is as follows:
Chair: Oliver Lord (University of Bristol)
Treasurer: Stephen Stackhouse (Leeds)
Secretary: Eleanor Jennings (Birkbeck)
Ordinary Members: Ana Fereira (UCL), Auriol Rae (Cambridge), Emilie Ringe (Cambridge), Tetsuya Komabayashi (Edinburgh), Claire Nichols (Oxford), John Wheeler (Liverpool), Andy Thomson (UCL)

Volcanic and Magmatic Studies Group

The main activities of the Volcanic and Magmatic Studies Group (VMSG) are conferences, sponsoring of awards, funding travel bursaries for PhD students, publishing a quarterly newsletter and keeping in regular contact with our community through email and social media (Twitter, Facebook, Instagram and our YouTube Channel). This reporting period (July 2021 to June 2022) continues to be affected by the impact of COVID-19.

Committee meetings

The VMSG committee convened in July 2021 for its summer meeting over Zoom. A key point for discussion was the VMSG Annual Winter Meeting in January 2022 and what should be done given COVID-19. In May 2021 the Executive Committee (Gibson, Kavanagh and Mikhail) met with Manchester University's Local Organising Committee (the previous bid winners for VMSG 2021 which was cancelled in place of vVMSG2021 and organised by the VMSG committee). It was agreed that the Manchester conference should go ahead as a virtual meeting.

Conferences

The main event for VMSG members since our last report was the annual winter meeting, which was organised as a virtual meeting between 10th - 12th January 2022. The main organisers were David Neave, Margaret Hartley and Brendan McCormick Kilbride, together with volunteers from the broader Manchester University Local Organising Committee. The conference was held on Zoom and supported by technical staff at the Geological Society of London.

vVMSG2022 was a truly international affair receiving people from a huge range of countries, career stages, genders, and sexualities, and inclusion of people identifying as disabled and/or neurodivergent. Of the 405 registrants, 367 attended from all six permanently inhabited continents: 324 from Europe, 7 from Africa, 2 from North America, 8 from Asia, 10 from South America, and 16 from Australasia. From the 405 who registered to attend vVMSG 2022 there were 234 who had not presented at VMSG before. The attendees included 130 postgraduates (32%), 76 permanent academic staff (19%), 55 postdocs or fixed-term academic staff (14%), 20 individuals from industry/government, 26 undergraduates, 1 outreach permanent staff member, 2 permanent technicians and 9 individuals were retired. The registrants were asked about their gender identity, disability, sexuality and ethnicity for data collection related to equality, diversity and inclusion.

vVMSG's scientific program was full of fascinating and enriching science, conducted across two parallel sessions held via Zoom. All oral presentation requests were granted and session chairs were the Manchester LOC. All talks were pre-recorded with a live discussion afterwards. Delegates were invited to have their talks uploaded to the VMSG YouTube Channel which now hosts 152 of the talks given in dedicated session playlist.

The sessions covered a very diverse range of themes, including: Eruptions and the environment, Geochemistry and petrology, Magma transport and ascent, Planetary Volcanism, Volatiles and gases, and Volcanoes and Society. Invited keynote speakers were this year's ThermoFisher Scientific VMSG award winner, Dr. Dan Morgan (University of Leeds); the Zeiss Post-doctoral Keynote Award winner, Dr Penny Wieser (Oregon State University) for her winning abstract on 'Thermobar: an open-source Python3 tool for thermobarometry'. Additional highlight talks were given by Hannah Buckland (University of Swansea), Craig Magee (University of Leeds), Amy Donovan (Cambridge University), Marissa Lo (University of Manchester) and Isabel Fendley (University of Oxford).

Student presentations were of outstanding quality at vVMSG. Annika Voight (University of Oxford) won the Bob Hunter Prize for the best oral presentation given by a student, while Annabelle Foster (Durham University) won the Geoff Brown Prize for the best student poster presentation. Holly Unwin (Lancaster University) and Pip Liggins (University of Cambridge) received Honourable Mentions for their talks, and Laura Wainman (University of Cambridge) and Alice Paine (University of Oxford) received Honourable Mentions for their posters.

The conference field trip, "Virtual Fieldtrip to the Moon", took place on 11th January and was run by Sam Bell, Marissa Lo, John Pernet-Fisher and Divya Ravy of the University of Manchester. Simon Matthews and Penny Wieser ran a workshop on VESIcal on 12th January.

The vVMSG scientific program was supplemented by two social events: A movie-night screening of "Airplane vs Volcano" on the first evening of the conference, and a quiz night held in Gather.Town in the evening of the 11th January.

The conference was followed by our virtual VMSG AGM where we communicated and discussed VMSG committee activities with the members, and hosted forums with our student members and Early Career Researchers. Sponsorship for VMSG 2022 came from ThermoFisher, ZEISS and Deltech Furnaces.

Finances

As of the end of the financial year, the group has £37,115; this relatively large amount has accrued over numerous years, to act as a contingency against any financial issues that might arise at the VMSG winter meeting or on field trips. Income into the VMSG account includes the surplus of the virtual VMSG2021 annual meeting, the annual contribution from the Geological Society of London (£750) and the Mineralogical Society (£1,250) along with bank interest. The outgoings include one Student Travel Bursary, Committee Expenses, the Bob Hunter Prize at the annual VMSG meeting in 2022, the ThermoFisher VMSG Prize Trophy, and the Henry Emeleus award to Steven Walker of Edge Hill University. The Willy Aspinall Prize was not paid out in this time period so value of that fund is £12,248.

VMSG Awards and Bursary Winners and audit

In addition to the awards mentioned above, Emily Madoff (University of St Andrews) was awarded the 2022 Henry Emeleus Fieldwork Grant for fieldwork in Greenland. After 2 years of limited opportunity for student bursary awards, the committee decided to award six student bursaries. These were awarded to: Amy Myers (UCD), Ugur Balci (Glasgow), Kate Williams (Liverpool), Emma Horn (Southampton), Annabelle Foster (Durham) and Nicola Taylor (UEA).

Following discussions amongst the committee on how to increase the diversity of nominations and ensure the awards nomination process is fully aligned with our EDI values, our EDI Officer undertook an EDI audit of all VMSG awards and bursaries. The results of this audit are being discussed and changes are being made, particularly to the Zeiss Postdoc award nomination process.

Membership

VMSG members are self-identifying and we keep no list of members. We have discussed the importance of collating a members list so that we can learn more about our membership to ensure we fully represent them in our activities. We also need to be able to consult with them regarding the election of committee members.

Our on-line presence remains highly active. Information is disseminated to the group members via our newsletter which is circulated quarterly to a jiscmail emailing list of c.1000 people, via the VMSG website (https://vmsg.org.uk/), a Facebook group, regular Twitter feed, an Instagram account and Discord Channel.

VMSG Buddy Scheme and Presentation feedback

At vVMSG 2022, we trialled a new conference buddy scheme in response to suggestions made at our open PhD and ECR forums at vVMSG 2021. Members of the VMSG community had the opportunity to sign up for the buddy scheme upon registration, either as a Junior Buddy (who hadn't previously attended a VMSG conference) or as a Senior Buddy (more experienced conference goers). Buddies were then encouraged to connect with each other both before and during the conference, including giving feedback on presentations where relevant. Feedback from the buddies was really positive, particularly in helping to foster social engagement during the online format. For example, one of our junior buddies commented: "It was nice to also have a social interaction with someone new which is something I really miss compared to in-person conferences." 50 people took part in the scheme this year, and we encourage the community to volunteer as a senior buddy next year. One of our senior buddies said, "I think it's a rewarding experience for the senior buddy and I would have appreciated having one when I was getting started with VMSG!".

The student talks and posters at VMSG annual meetings are marked during the conference by the VMSG committee, and we collate individual feedback on things done well and areas to improve. We wrote to the VMSG student members to offer them the opportunity to receive this feedback, and we are really pleased to note we had 57 students that requested individual feedback on their conference talks and posters after vVMSG 2022.

GIS for geoscientists workshop

The VMSG GIS for Geoscientists Workshop took place throughout November 2021 via four webinars, with additional material also available on our YouTube channel. The course was delivered by Nick Barber (Cambridge) and facilitated by Claire Harnett (ECR Rep) and Emma Watts (Student Rep). More than 450 of VMSG members registered, which is a testament to the vibrant VMSG community. This workshop was organized as a direct consequence of the PhD and ECR forums at the VMSG Annual Meeting in 2021, and we were delighted to see that 76% of registrants were early career scientists! The course introduces key QGIS concepts, including an interactive tour of the software interface, hazard assessment, manipulating data, map design, geostatistics, as well as advanced uses such as integration of Python and Google Earth Engine. You can find a YouTube playlist of videos here and additional resources, including PDF guides to each webinar, on GitHub here.

YouTube, Social media and website

Social media followings have all continued to grow steadily throughout 2022. Since January 2022 new followers have increased on Twitter by 328 (up 8%), Instagram by 52 (up 10%), YouTube by 60 (up 38%), and Facebook by 26 (up 4%).

YouTube now has over 200 subscribers and has accrued >7000 views. A large number of videos (60+), mostly recorded conference presentation, have 30-50 views and more than 15 have been viewed over 100 times, including videos on *Addressing inequalities in the VMSG community* and resources for our *GIS for Geoscientists Workshop*. We gained a lot of subscribers after uploading videos from the virtual VMSG 2022 conference in March this year. Traffic to the videos is mostly from playlist or external sources between them making up 60% of views. The main external sources are Google search, Facebook, Twitter, and the VMSG website (including presenters linking to their own talks).

Twitter remains our main social media base and our followers have steadily grown through the year to a current total of 4,340. Our tweets typically generate 10k-20k impressions each month and over 90k during January associated with the virtual VMSG 2022 conference. Top tweets each month tend to be announcements of events and opportunities, for example, the upcoming VMSG 2023 in London (11.7k impressions, 32 retweets), a series of writing retreats (5467 impressions, 24 retweets), and a student virtual coffee meetup (3863 impressions, 16 retweets). The engagement around these tweets seems to be a product of genuine enthusiasm from the community for these and other events.

Instagram (552 followers): engagement is not as high as on twitter but posts typically get 10-30 likes. Anecdotally, our audience on Instagram tends towards students and undergraduates compared to other platforms. This makes it an important place to get information to students in our community. We will continue to explore how to increase engagement including the use of stories.

Facebook (725 members): much like Instagram engagement is somewhat less than we see on Twitter or YouTube however, we have a community of a bit over 700 members there and posts typically reach hundreds and sometimes thousands of users. As a result, Facebook remains an important forum to disseminate news and announcements.

The VMSG website is used for positing news updates and as a source of guidelines and directory of useful documents (e.g., newsletters, awards and bursaries guidelines, events summaries). Google analytics states users were located across 126

countries across the world, with 45% of website users come from the UK, followed by the US at 12.9%. There were 5471 new users from Oct 2021-Oct 2022. Most website hits related to accessing the PhD studentship list.

Committee 2022

Chair: Prof Tamsin Mather – University of Oxford
Honorary Secretary: Dr Janine Kavanagh - University of Liverpool
Honorary Treasurer: Dr Sami Mikhail - University of St Andrews

Members: Dr Jazmin Scarlett (Equality, Diversity and Inclusion Officer); Dr Elliot Carter (Social Media Rep); Ed McGowan (Web manager); Dr Nick Gardiner (Awards and Bursaries); Dr Pete Rowley (Fieldtrip coordinator); Dr Lara Mani (Outreach and Public Engagement); Dr Claire Harnett (ECR Rep); Dr Ailsa Naismith (Newsletter); Emma Watts (Student Rep); Eilish Brennan (Student Rep)

Distinguished Lecturer Programme
The Distinguished Lecturer Programme was delivered during 2021–2022 by Dr Hannah Hughes:

Lecture A: Going platinum: PGE and chalcophile elements from the mantle to mineral deposits
Lecture B: Rocks that go bang! Applied mineralogy used in engineering solutions for gases in underground mines

and by Dr Sophie Nixon:

Lecture A: The deep biosphere: What lies beneath and why we should care
Lecture D: The microbiology of the engineered subsurface: Finding innovative solutions towards a sustainable future

FINANCIAL REVIEW

Treasurer's Report
After speaking with our auditors earlier in the year, I am now in a position to be able to share extracts of the draft accounts for the year ended June 30th 2022 and highlight some of the key matters arising over the previous 12 months.

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
BALANCE SHEET AT 30 JUNE 2022

	Notes	2022		2021	
		£	£	£	£
FIXED ASSETS					
Tangible Assets	8		345,970		345,371
Investments	9		829,879		844,451
Total Fixed Assets			1,175,849		1,189,822
CURRENT ASSETS					
Debtors	10	16,691		18,052	
Cash at Bank and in Hand	11	314,767		342,492	
Total Current Assets		331,458		360,544	
LIABILITIES					
Creditors: Amounts Falling					
Due Within One Year	12	-114,911		-106,872	
Total Assets Less Current Liabilities			216,547		253,672
NET ASSETS			1,392,396		1,443,494

Figure 1. Draft balance sheet for the year ended June 30th 2022, with the previous year ending 30th June 2021 for comparison.

Figure 1 shows the balance sheet for the Society at the end of the last financial year. It provides a top-level view of the condition of the Society's finances and allows a quick comparison with the previous year, i.e., it is easy to see how the Society's finances have changed in a single figure. The final line – NET ASSETS – shows what the Society has in terms of resources. This has fallen over the financial year ending June 30th 2022, by ca. 3.5 %. While it may not be immediately obvious where this loss has been incurred simply by looking at the balance sheet, this net loss is primarily a combination of a fall in income from Cambridge University Press and a drop in the value of our investments coinciding with the end of the accounting year.

As in previous years, I will highlight (i) our fixed assets and changes in their value, (ii) incomes streams and how they have changed over the financial year, (iii) what we spend to maintain the Society in its charitable activities.

(i) Fixed assets
The Society's fixed assets comprise the office building at Bayliss Mews, Twickenham, office furniture and computing equipment – together described as "Tangible assets" in Figure 1 above, together with the Society's investments, which are managed on our behalf by Cazenove.

Tangible assets - The office is valued at £345,000 based on a 5-yearly appraisal. It has been suggested by the auditor that the interval between valuations be shortened. This would have the advantage of giving the Society a more accurate value of the asset for any given accounting period, but inevitably comes at a cost – a commercial valuation for accounting purposes

typically costs >£1000. This is an issue that will be put to Council at the earlies opportunity. The balance of the tangible assets (£970) comprises office furniture and computing equipment. This is a very small amount and reflects the age of the fixture and fittings that have, over several accounting periods, had most of their value written off as depreciation. While this reflects prudence when equipping the office, there will come a point where computing hardware will need to be replaced, which will incur a cost to the Society.

Each year the auditor comments that the financial security of the Society stands or falls on the value and performance of its investments. We have a robust yet ethical investment policy that Cazenove executes on our behalf with a speed and dexterity that we as an organisation are unable to match ourselves. Over the last financial year, the value of our assets fell by £14.5K (£27K when allowing for reinvestment of dividends), but it is important to see this in context. First of all, the value used for accounting purposes is a snapshot based upon the value on the last day of the financial year. Our instructions to Cazenove allow for a moderate amount of risk and volatility – consistent with many other responsibly managed charities. Superimposed upon our instructions are the "environmental conditions" that affect markets – Brexit, COVID-19, drought, the war in Ukraine, the death of the Queen. All of these factors, which individually in other years could be considered as exceptional, add to the volatility of the market. Over the course of the financial year, the value of the Society's investments has been as high as £875K (a ca. 3.5 % gain on the start of the year), and as low as £829K (ca. 1.7 % down on the year overall). Given the number of moving parts potentially affecting the financial markets, this degree of variability seems inevitable. While it can be disconcerting, Cazenove have demonstrated that they are far quicker to react than the Society can possibly hope to. It is important to keep an eye on what our investments are doing, and to benchmark Cazenove's performance against other market indicators (e.g. FTSE 500), which has been consistently good in the past, beating benchmark indices. We could be doing a lot worse, even if the recent loss we have sustained seems unpalatable. For the time being, we are best advised to allow Cazenove, closely scrutinized by the finance committee, to navigate through this on our behalf.

(ii) Income streams

The Society derives income from several sources, primarily income from investments, members subscriptions, and publishing (Figure 2, below).

After several years of diminishing income from membership fees, it is encouraging to see that we have had a small uptick in revenue from this source in the past financial year. Similarly, we have also seen a small increase in income from our investments* (*it should be noted that this typically takes the form of dividends and royalties that are reinvested on our behalf and don't reflect the actual value of the investments that we hold as assets).

By far the greatest source of income to the Society comes from publishing. In recent years, we have enjoyed larger than expected income from our relationship with Cambridge University Press but have also been aware that these pleasant surprises could not continue indefinitely and that revenue from publishing our journals would inevitably start to diminish as changes to subscription packages and open access requirements develop. This year we saw a reduction of £24.5K in income coming from our relationship with Cambridge University Press. While this should be seen in the context of several preceding "bumper" years, it is most likely an indication of what is to come with respect to revenue from the publication of journals. Going forward this is something that the Society should be mindful of.

STATEMENT OF FINANCIAL ACTIVITIES FOR THE YEAR ENDED 30 JUNE 2022

Income	Notes	2022		2021	
		£	£	£	£
Donations and Legacies	4		2,250		2,250
Investment Income	5		17,696		16,557
Income from Charitable Activities					
Members' Subscriptions			34,544		33,262
Gift Aid			589		836
Conference and Meetings Income			-		2,507
Cambridge University Press			146,792		171,122
Publications Income			23,995		19,355
Special Interest Groups Income (Page 17)		38,541		16,242	
Less: Allocation from Mineralogical Society		-16,000	22,541	-16,000	242
TOTAL Income			248,407		246,131

Figure 2. A summary of Society income by revenue stream (draft) for the financial year ending June 30th 2022

In a similar vein, the sale of books is never going to be the stream of revenue that maintains the Society but has increased a little compared to the previous financial year. DHZ is exceptional in that it continues to sell quite well. For other titles that we sell, sales are not so good and hard copies of, for example, EMU volumes continue to dwindle. Such has been the drop off in recent years in EMU volume hard copy sales that the Society wrote off the cost of the stock of volumes held as a loss several years ago. The relationship with EMU with respect to who gets what from the sale of any of these volumes is not straightforward. Accounting for these sales costs a significant proportion of any "profit" we retain from their sale, so in the coming year the Society seeks to simplify its memorandum of understanding with EMU with respect to hard copies currently held. No further loss to the Society is anticipated though because of this adjustment.

(iii) Expenditure

As in previous years, the balance between what we spend running the Society versus what we spend on charitable activity remains 24:76, respectively - consistent with other well-run charities. Overall expenditure is summarised below in Figure 3. Although the cost of individual line items fluctuates, the overall spend is within £500 of the previous year. There has been no

significant change in the payment to the auditors over last year. While it is clear that the auditor's fees represent a significant cost to the Society, especially in years where our level of activity doesn't meet the level where an audit of the accounts is mandatory, our byelaws demand it and there are several good reasons for continuing to be audited on an annual basis in any case. First of all, as members of Council are trustees of the charity and therefore jointly and severally liable for the actions (including financial) of the Society, we as a Society have the reassurance that there is an annual independent check of the Society's finances – independent of Kevin and Russell, and independent of Council and the Custodian Trustees. Second, the extra work involved in starting an audit when previous years' accounts have not been audited would still represent a significant body of work for the auditor. Getting to the necessary starting place for a meaningful audit would require a considerable amount of (expensive) time and effort. In the long-run, the cost of being audited annually as opposed to on a spasmodic mandatory basis is, in all likelihood, incremental.

OFFICE EXPENSES The breakdown of office costs and how these are allocated between Governance and Charitable Activities is shown below:-			2022	2021
			£	£
Office Staff Remuneration			122,259	123,025
Office Staff Remuneration Recovered			-933	-1,424
			121,326	121,601
Office Staff Expenses			1,528	-
Rent, Rates and House Expenses			6,234	4,252
Printing, Stationery, Maintenance of Office Machines			1,387	1,678
Insurance			2,049	1,446
Postage, Telephone and Computer			10,541	13,859
Bank and Credit Card Charges			3,446	3,231
Miscellaneous Expenses			173	55
			25,358	24,521
			146,684	146,122
Allocation as follows:-	**2022**	**2021**		
	%	%	£	£
Charitable Activities	76	76	111,480	111,053
Governance and Support Costs (Note 7)	24	24	35,204	35,069
	100	100	146,684	146,122

Figure 3. Summary of expenditure (draft) during the financial year ending 30th June 2022.

In summary, the finances of the Society continue to be in good shape, despite the apparent dip in our net worth at the end of the last financial year and the continuing volatile state of the investment markets. We continue to have the means to fund our stated purposes as a charity for the foreseeable future. However, as events have shown us over the last couple of years, we live in interesting times and small blips in the fortunes of the Society should not be allowed to escalate unchecked. Accurate financial forecasting and realistic envelopes of uncertainty are currently very difficult to achieve, so until we see a little more sense and certainty in the world, we will have to ride it out and keep a close eye on our finances.

INVESTMENT POLICY AND PERFORMANCE

In accordance with the Bye-Laws, the Society Trustees have appointed investment managers to implement the investment strategy (*a copy of which available for inspection from the Society office*) and ensure the safety of the underlying funds. Cazenove Capital Management Limited were appointed during 2012 as investment managers. In 2022 a formal investment policy was approved by Council.

RISK MANAGEMENT

The Trustees have considered and reviewed the major risks to which the Society is exposed. The Trustees have a risk management strategy (*a copy of which available for inspection from the Society office*)) which comprises a regular review of the risks to the Society and the establishment of systems and procedures to identify those risks to enable the Trustees to implement action to minimise any potential impact on the Society that should arise.

A key element of the management of financial risk is via a review of the reserves policy and objectives of achieving:

1. Long-term capital growth to ensure the future sustainability of the Society;
2. An option to draw down cash from the investments to support the activities of the Society by:-
    a. providing financial support for meetings and conferences;
    b. providing financial support for journals when needed;
    c. providing monies for donations and awards;
    d. contributing to the cost of the administration needed to support the Society's activities.

The principal funding sources for the Society are the income conferences and from the publication of journals and books.

RESERVES POLICY

The trustees consider that reserves in the region of six months provide sufficient funds and the Society's balance sheet net current assets are in excess of this figure.

PLANS FOR THE FUTURE

The Society is now committee to organizing the European Mineralogical Conference in July 2024 and the International Clay Conference in August 2025, in the lead-up to our 150th Anniversary in 2026.

STRUCTURE, GOVERNANCE AND MANAGEMENT

The Society is an unincorporated body and its legal status is as a charity under UK Law, Registered Charity Number 233706. Its governing document is its Bye-Laws. The Society, a membership organization, includes Honorary Fellows, Fellows, Members, Honorary Members, Life Members, Life Fellows, Emeritus Members, Emeritus Fellows, Honorary Life Fellows and Student Members who are elected as prescribed by the Bye-Laws of the Society. All members of the Society are eligible for membership of eight special interest groups. The Society is governed by a Council consisting of a President, a General Secretary, a Treasurer, a Publications Manager, a Public Relations Officer, the Principal Editors of *Mineralogical Magazine* and *Clay Minerals* and up to 13 ordinary members. Two Vice-Presidents are nominated from among the elected Council members. Council members are proposed by four Members of the Society and elected by the Council except in cases where an election is required. The administration of the Society is undertaken by staff from its General Office in Twickenham, which is under the supervision of the Executive Director.

The Society has eight special interest groups, each managed by a committee. The eight groups are: the Applied Mineralogy Group, the Clay Minerals Group, the Environmental Mineralogy Group, the Geochemistry Group, the Geomicrobiology Network, the Metamorphic Studies Group, the Mineral Physics Group, and the Volcanic & Magmatic Studies Group. The Geochemistry Group, the Metamorphic Studies Group and the Volcanic & Magmatic Studies Group are joint Groups with the Geological Society of London with which a formal Memorandum of Understanding was signed in 2001 covering a number of areas for co-operation.

Restricted Fund – Sustaining Membership Fund

£1,961 was raised from the members towards the sustaining membership fund. This fund was formally established on 1 January 2010. The money is ring-fenced with 90% invested so that the fund can grow and eventually become self-sustaining. The other 10% is used to subsidize the free student memberships and bursaries.

Restricted Fund; the Willy Aspinall Prize Fund

This fund was established by the Volcanic & Magmatic Studies Group during early 2017.The Society manages the restricted fund; it is expected that £800 per year will be disbursed from the fund, ~£400 as a cash award and ~£400 to attend the annual VMSG meeting. The award will be made each year to the lead author of an outstanding paper on applied volcanology published (in English) within three years of the lead author being awarded a PhD at a University in the UK. The prize is named in honour of Prof. Willy Aspinall, a distinguished professor at the University of Bristol and a hazard and risk science consultant.

Trustee Induction and Training

On election to the Council of the Mineralogical Society, an individual assumes a number of responsibilities. It is incumbent upon those new council members to familiarise themselves with their new responsibilities. This is achieved by reading the Society's Bye-Laws thoroughly as well as reading the Charity Commission Document on the 'Responsibilities of a charity trustee'. Trustees are reminded that they are accountable in law for the good governance of the Society. The term of office for a Council Member is three years, meaning that there will be six Council Meetings during a term of office. Members are expected to attend all of these meetings. It is also taken that they have familiarised themselves with the paperwork circulated prior to these meetings and be prepared to contribute to the relevant discussions. Membership of any of the standing or *impromptu* subcommittees is encouraged and sometimes may be a more direct means of contributing to the development of the Society.

All newly elected officers managing trustees and Council Members need to confirm to the Executive Director that they have read and understood their responsibilities accordingly.

Committees

The Society has one formal administrative committee which meets regularly to discuss the running of the Society, i.e. its finance, publications, meetings etc., as well as all matters of policy. This is the Finance/Officers/Publications Committee, which includes the President, the General Secretary, the Treasurer, the Publications Manager, the Public Relations Officer, the Principal Editors of the two journals and three Custodian Trustees.

The governing body of the Society is the Council, which comprises the actual charity trustees of the Society, i.e. those who are legally responsible under charity law for the running of the organization. The Council includes the officers, the chairpersons or nominated representatives of the eight special interest groups, and six Fellows or Members who are elected to the position of ordinary member of Council.

Volunteers

In addition to those who volunteer to serve as members of the committees, there are other members who give of their time to benefit the Society and the subject by writing material for publication by the Society, editing such material, by organizing conferences, including short-courses, field trips etc. (for mineral scientists and for the public at large), and by offering expertise on areas such as web-site and database management, marketing, design, photography etc. Without such support, running of the Society would undoubtedly be less efficient.

Key Management Personnel Remuneration
Senior management personnel, to whom the trustees have delegated significant authority or responsibility in the day-to-day running of the charity, have their remuneration reviewed at the November meeting of council each year. The salaries are bench-marked occasionally against those of similar Learned Societies and with lists provided by organizations such as the Science Council (UK). Spine-point increases are provided in line with staff performance; cost-of-living increases are granted based on the Consumer Price Index (produced by the UK's Office for National Statistics). Both forms of increase depend on the financial health of the organization.

Website
The Society's website is located at www.minersoc.org and contains up-to-date information about the Society, its publications and its meetings. The website is managed and updated by the Executive Director.

Climate Change
As a scientific society, the Mineralogical Society takes responsibility for its carbon footprint seriously. Our Officers', Council and SIG committee meetings for the past couple of years have all been held remotely and this is likely to continue to a significant extent, even in post-Covid-19 times. We also plan to make it possible for many of our scientific events to be attended virtually, avoiding, in particular, the need for air travel. We encourage all event organizers to avoid single-use cutlery and tableware.

Trustees' responsibilities in relation to the financial statements
The Charity trustees are responsible for preparing the Trustees' Annual Report and financial statements in accordance with applicable law and United Kingdom Accounting Standards (United Kingdom Generally Accepted Accounting Practice).

The law applicable to charities in England and Wales requires the charity trustees to prepare financial statements for each year which give a true and fair view of the state of affairs of the charity and of the incoming resources and application of resources, of the charity for that period. In preparing these financial statements, the trustees are required to:

- select suitable accounting policies and then apply them consistently;
- observe the methods and principles in the applicable Charities SORP
- make judgements and estimates that are reasonable and prudent;
- state whether applicable accounting standards have been followed, subject to any material departures that must be disclosed and explained in the financial statements;
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the charity will continue in business.

The trustees are responsible for keeping proper accounting records that disclose with reasonable accuracy at any time the financial position of the charity and enable them to ensure that the financial statements comply with the Charities Act 2011, the applicable Charities (Accounts and Reports) Regulations and the provisions of the bye laws. They are also responsible for safeguarding the assets of the charity and taking reasonable steps for the prevention and detection of fraud and other irregularities.
The trustees are responsible for the maintenance and integrity of the charity and financial information included on the charity's website in accordance with legislation in the United Kingdom governing the preparation and dissemination of financial statements.

Auditors
A resolution reappointing David M. Rees & Associates Limited as auditors will be put to the Annual General Meeting.

Approved by the trustees on 10TH NOVEMBER 2022 **and signed on their behalf by:**

J. HARVEY
Treasurer

J. HORÁK
General Secretary

12 Baylis Mews
Amyand Park Road
Twickenham
Middlesex TW1 3HQ

INDEPENDENT AUDITOR'S REPORT TO THE TRUSTEES' OF MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND

Opinion

We have audited the financial statements of the Mineralogical Society of the United Kingdom and Ireland for the year ended 30 June 2022 which comprise the Statements of Financial Activities, the Balance Sheet, and the related notes to the financial statements, including significant accounting policies. The financial reporting framework that has been applied in their preparation is applicable law and United Kingdom Accounting Standards, including Financial Reporting Standard 102 *The Financial Reporting Standard applicable in the UK and Republic of Ireland* (United Kingdom Generally Accepted Accounting Practice).
In our opinion the financial statements:

- give a true and fair view of the state of the charity's affairs as at 30 June 2022, and of its incoming resources and application of resources, including its income and expenditure, for the year then ended;
- have been properly prepared in accordance with United Kingdom Generally Accepted Accounting Practice; and
- have been prepared in accordance with the requirements of the Charities Act 2011.

Basis for opinion

We conducted our audit in accordance with International Standards on Auditing (UK) (ISAs (UK)) and applicable law. Our responsibilities under those standards are further described in the Auditor's responsibilities for the audit of the financial statements section of our report. We are independent of the charity in accordance with the ethical requirements that are relevant to our audit of the financial statements in the UK, including the FRC's Ethical Standard, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Conclusions relating to going concern

In auditing the financial statements, we have concluded that the trustees' use of the going concern basis of accounting in the preparation of the financial statements is appropriate.

Based on the work we have performed, we have not identified any material uncertainties relating to events or conditions that, individually or collectively, may cast significant doubt on the charity's ability to continue as a going concern for a period of at least twelve months from when the financial statements are authorised for issue.

Our responsibilities and the responsibilities of the trustees with respect to going concern are described in the relevant sections of this report.

Other information

The other information comprises the information included in the trustees annual report, other than the financial statements and our auditor's report thereon. The trustees are responsible for the other information contained within the annual report. Our opinion on the financial statements does not cover the other information and, except to the extent otherwise explicitly stated in our report, we do not express any form of assurance conclusion thereon.

Our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the financial statements or our knowledge obtained in the course of the audit or otherwise appears to be materially misstated. If we identify such material inconsistencies or apparent material misstatements, we are required to determine whether this gives rise to a material misstatement in the financial statements themselves. If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact.

We have nothing to report in this regard.

Matters on which we are required to report by exception

We have nothing to report in respect of the following matters in relation to which the Charities (Accounts and Reports) Regulations 2008 require us to report to you if, in our opinion:

- the information given in the financial statements is inconsistent in any material respect with the trustees' report; or
- the charity has not kept adequate accounting records; or
- the financial statements are not in agreement with the accounting records and returns; or
- we have not received all the information and explanations we require for our audit.

Responsibilities of trustees
As explained more fully in the trustees' responsibilities statement set out on page 16, the trustees are responsible for the preparation of the financial statements and for being satisfied that they give a true and fair view, and for such internal control as the trustees determine is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, the trustees are responsible for assessing the charity's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the trustees either intend to liquidate the charity or to cease operations, or have no realistic alternative but to do so.

Auditor's responsibilities for the audit of the financial statements
We have been appointed as auditor under section 144 of the Charities Act 2011 and report in accordance with regulations made under section 154 of that Act.

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with ISAs (UK) will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

Irregularities, including fraud, are instances of non-compliance with laws and regulations. We design procedures in line with our responsibilities, outlined above, to detect material misstatements in respect of irregularities, including fraud.

Because of the inherent limitations of an audit, there is a risk that we will not detect all irregularities, including those leading to a material misstatement in the financial statements or non-compliance with regulation. This risk increases the more that compliance with a law or regulation is removed from the events and transactions reflected in the financial statements, as we will be less likely to become aware of instances of non-compliance. The risk is also greater regarding irregularities occurring due to fraud rather than error, as fraud involves intentional concealment, forgery, collusion, omission or misrepresentation.

A further description of our responsibilities is available on the Financial Reporting Council's website at: https://www.frc.org.uk/Our-Work/Audit/Audit-and-assurance/Standards-and-guidance/Standards-and-guidance-for-auditors/Auditors-responsibilities-for-audit/Description-of-auditors-responsibilities-for-audit.aspx. This description forms part of our auditor's report.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

Use of our report
This report is made solely to the charity's trustees, as a body, in accordance with Part 4 of the Charities (Accounts and Reports) Regulations 2008. Our audit work has been undertaken so that we might state to the charity's trustees those matters we are required to state to them in an auditor's report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the charity and the charity's trustees as a body, for our audit work, for this report, or for the opinions we have formed.

Sharan C. Rees FCA
Statutory Auditor

David M. Rees & Associates Limited

DAVID M. REES & ASSOCIATES LIMITED
Chartered Accountants and Statutory Auditors

WELL COTTAGE
CUCUMBER LANE
ESSENDON
HERTFORDSHIRE AL9 6JB

DATED 11 January 2023

DAVID M. REES & ASSOCIATES LIMITED is eligible to act as an auditor in terms of Section 1212 of the Companies Act 2006

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
RESTRICTED FUNDS
STATEMENT OF FINANCIAL ACTIVITIES FOR THE YEAR ENDED 30 JUNE 2022

		2022			
	Notes	Sustaining Membership	Willy Aspinall Prize	Total	2021
Income		£	£	£	£
Donations	4	1,961		1,961	1,934
Investment Income	5	31	16	47	19
Income from Charitable Activities					
Support by General Fund		2,654		2,654	2,657
TOTAL Income		4,646	16	4,662	4,610
Expenditure					
Expenditure on Charitable Activities					
Student Membership		-2,850		-2,850	2,850
Award					400
TOTAL Expenditure		-2,850		-2,850	3,250
Net Income and Net Movement in Funds for the Year		1,796	16	1,812	1,360

Sustaining membership fund

This fund was formally established on 1 January 2010. The money is ring-fenced with 90% invested so that the fund can grow and eventually become self-sustaining. The other 10% is used to subsidise the free student memberships and bursaries.

Willy Aspinall Prize Fund

The Volcanic and Magmatic Studies Willy Aspinall Prize is a restricted fund established on 8 May 2017 to make an annual award for an outstanding paper in applied volcanology published within three years of the author being awarded a PhD.

CONSOLIDATED STATEMENT OF FINANCIAL ACTIVITIES

		30 JUNE 2022			
	Notes	Unrestricted Funds	Restricted Funds	Total Funds	2021
		£	£	£	£
Total Income		248,407	4,662	253,069	250,741
Total Expenditure		-266,531	-2,850	-269,381	-231,719
Net expenditure and Net Movement in Funds before Gains and Losses on Investments		-18,124	1,812	-16,312	19,022
Net (Deficit) Gains on Investments	9	-27,019	-	-27,019	103,157
Net Movement in Funds		-45,143	1,812	-43,331	122,179
Total Funds 1 July 2021		1,415,893	27,601	1,443,494	1,321,315
Total Funds 30 June 2022		1,370,750	29,413	1,400,163	1,443,494

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
UNRESTRICTED FUNDS
STATEMENT OF FINANCIAL ACTIVITIES FOR THE YEAR ENDED 30 JUNE 2022

Income	**Notes**	**2022**		**2021**	
		£	£	£	£
Donations and Legacies	4		2,250		2,250
Investment Income	5		17,696		16,557
Income from Charitable Activities					
Members' Subscriptions			34,544		33,262
Gift Aid			589		836
Conference and Meetings Income			-		2,507
Cambridge University Press			146,792		171,122
Publications Income			23,995		19,355
Special Interest Groups Income (Page 21)		38,541		16,242	
Less: Allocation from Mineralogical Society		-16,000	22,541	-16,000	242
TOTAL Income			248,407		246,131
Expenditure					
Contribution to Sustaining Membership Fund			2,654		2,657
Expenditure on Charitable Activities					
Subscriptions			1,183		2,195
Journals Expenditure Elements			9,867		5,892
Conference and Meetings Expenditure			951		652
Mineralogical Society Medals			1,544		3,700
Distinguished Lecturer			267		500
Website and Future of the Society			3,416		301
Journal Editorial Costs			39,309		35,592
Publications Expenditure			9,832		7,286
Travel Bursaries			3,613		651
Special Interest Groups Expenditure (Page 21)		27,923		4,579	
Less: Transactions with the Mineralogical Society		-2,352	25,571	-	4,579
Office Expenses	6		111,480		111,053
Support Costs	7		54,532		52,930
Depreciation	8		729		481
Miscellaneous expenditure			1,583		-
TOTAL Expenditure			266,531		228,469

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
GROUPS STATEMENTS OF FINANCIAL ACTIVITIES FOR THE YEAR ENDED 30 JUNE 2022

	Income				Expenditure					
Groups	From General Fund	Bank Interest - Note 5	Meetings and Conferences	Total Income	Meetings and Conferences	Meetings and Conferences Support and Donations	Bursaries and Student Awards	Committee Travel and General expenses	Total Expenditure	Net Income (Expenditure)
	£	£	£	£	£	£	£	£	£	£
Applied Mineralogy	2,000	9		2,009			400		400	1,609
Clay Minerals	2,000	23	1,753	3,776	4,798		100	268	5,166	-1,390
Environmental Mineralogy	2,000	1		2,001			2,000	36	2,036	-35
Geochemistry	2,000	4	13,161	15,165	8,621	900	3,534	77	13,132	2,033
Geomicrobiology Network	2,000	6		2,006						2,006
Metamorphic Studies	2,000	6		2,006		79	1,916	103	2,098	-92
Mineral Physics	2,000	6		2,006			800		800	1,206
Volcanic & Magmatic Studies	2,000	19	7,553	9,572	1,900		1,740	651	4,291	5,281
	16,000	74	22,467	38,541	15,319	979	10,490	1,135	27,923	10,618

GROUPS STATEMENTS OF FINANCIAL ACTIVITIES FOR THE YEAR ENDED 30 JUNE 2021

	Income				Expenditure					
Groups	From General Fund	Bank Interest - Note 5	Meetings and Conferences	Total Income	Meetings and Conferences	Meetings and Conferences Support and Donations	Bursaries and Student Awards	Committee Travel and General expenses	Total Expenditure	Net Income (Expenditure)
	£	£	£	£	£	£	£	£	£	£
Applied Mineralogy	2,000	8	90	2,098						2,098
Clay Minerals	2,000	21		2,021				588	588	1,433
Environmental Mineralogy	2,000		90	2,090						2,090
Geochemistry	2,000	3		2,003		152	50		202	1,801
Geomicrobiology Network	2,000	4		2,004						2,004
Metamorphic Studies	2,000	5		2,005	380		199	25	604	1,401
Mineral Physics	2,000	4		2,004		100	1,200		1,300	704
Volcanic & Magmatic Studies	2,000	17		2,017	90	152	1,234	409	1,885	132
	16,000	62	180	16,242	470	404	2,683	1,022	4,579	11,663

The notes on pages 23 to 29 form part of these financial statements

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
BALANCE SHEET AT 30 JUNE 2022

	Notes	2022		2021	
FIXED ASSETS		£	£	£	£
Tangible Assets	8		345,970		345,371
Investments	9		829,879		844,451
Total Fixed Assets			1,175,849		1,189,822
CURRENT ASSETS					
Debtors	10	16,691		18,052	
Cash at Bank and in Hand	11	314,767		342,492	
Total Current Assets		331,458		360,544	
LIABILITIES					
Creditors: Amounts Falling					
Due Within One Year	12	-107,144		-106,872	
Total Assets Less Current Liabilities			224,314		253,672
NET ASSETS			1,400,163		1,443,494
The Funds of the Charity:					
Unrestricted Income Funds			1,370,750		1,415,893
Restricted Income Funds - Sustaining Membership Fund		17,166		15,370	
- Willy Aspinall Prize Fund		12,247	29,413	12,231	27,601
TOTAL CHARITY FUNDS			1,400,163		1,443,494

Signed on behalf of the Trustees

J. LLOYD
PRESIDENT



Approved by the Trustees on the 10TH NOVEMBER 2022

Charity Number 233706

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2022

1. ACCOUNTING POLICIES

a. **Basis of preparation and assessment of going concern**

The Mineralogical Society constitutes a public benefit entity as defined by FRS 102.
The financial statements have been prepared in accordance with Accounting and Reporting by Charities: Statement of Recommended Practice applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the United Kingdom and Republic of Ireland issued in October 2019, the Financial Reporting Standard applicable in the United Kingdom and Republic of Ireland (FRS 102), the Charities Act 2011 and UK Generally Accepted Accounting Practice.

The financial statements are prepared on a going concern basis under the historical cost convention, modified to include certain items at fair value. The financial statements are presented in Sterling which is the functional currency of the Charity.
The trustees consider that there are no material uncertainties about the Mineralogical Society's ability to continue as a going concern. The most significant areas of uncertainty that affect the carrying value of assets held by the Mineralogical Society are the level of investment return and the performance of investment markets.

The significant accounting policies applied in the preparation of these financial statements are set out below.

b. **Funds Structure**

Unrestricted funds are available for use at the discretion of the trustees in furtherance of the general objectives of the Charity and which have not been designated for other purposes.
Restricted funds are funds which are to be used in accordance with specific restrictions imposed by donors or which have been raised by the Charity for particular purposes. The aim and use of each restricted fund is set out on the statement of financial activities.

c. **Income recognition**

Voluntary Income - Donations are accounted for when received. Legacies are accounted for on entitlement.
Investment Income - Income from investments is accounted for on a receivable basis.
Members' subscriptions Income - Members' subscriptions are payable in advance on the 1 January each year and are accounted for in the period in which they are received.
During the year ended 30 June 2022 the Society had a net loss of 17 members.
At the 30 June 2022 there were 767 Members being 18 Honorary Life Fellows, 14 Honorary Fellows, 64 Life Members, 659 Fellows and Members and 12 Emeritus Members. These figures do not include 150 Student Members who are receiving free membership of the society for one year.
Conference and meetings income - Income from conferences and meetings are accounted for when the meeting has been held.
Cambridge University Press - Income from Cambridge University Press is accounted for on a prepayment basis as the guaranteed amount is received in advance for the calendar year.
Publications Income - Income from publications are accounted for on a receivable basis.

d. **Expenditure recognition**

Liabilities are recognised as expenditure as soon as there is a legal or constructive obligation committing the Charity to that expenditure, it is probable that settlement will be required and the amount of the obligation can be measured reliably. Any expected loss from a future conference or meeting is provided for as a liability.
All expenditure is accounted for on an accruals basis. All expenses including support cost and governance cost are allocated or apportioned to the applicable expenditure headings.

e. **Allocation of support and governance costs**

Governance costs comprise all costs involving the public accountability of the charity and its compliance with regulation and good practice. These costs include costs related to statutory audit and legal fees together with an apportionment of overhead and support costs as analysed in notes 6 and 7.

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2022

f. **Foreign currencies**
Monetary assets and liabilities in foreign currencies are translated into sterling at the rates of exchange ruling at the balance sheet date. Transactions in foreign currencies are translated into sterling at the rate of exchange ruling at the date of the transaction. Exchange differences are taken into account in arriving at the increase or decrease in funds.

g. **Tangible Fixed Assets for use by the Charity and Depreciation**
Tangible fixed assets are stated at cost less accumulated depreciation other than freehold land and buildings which are stated at valuation. Depreciation is provided on tangible fixed assets at rates calculated to write off the cost, less the estimated residual value of each asset over its estimated life using the straight line method at annual rates as follows:- Office Furniture and Equipment 25%. Computers 33.33%.

The Charity has adopted a revaluation policy in respect of the freehold land and buildings that will be revalued every five years. The fair value of land and buildings is determined from market based evidence by appraisal undertaken by a professionally qualified valuer.

Revaluation gains and losses are recognised in the Statement of Financial Activities.

h. **Stock**
Stock of EMU Notes in Mineralogy series volumes 8 to 20 (2021 - 8 to 20) have not been valued in these financial statements as although these are actively being marketed under a memorandum of understanding between the Mineralogical Society of Great Britain and Ireland and the European Mineralogical Union, sales have been lower than anticipated.

Stock of EMU Notes in Mineralogy series volume 20 for 2020 are stated at the lower of cost and estimated selling price (net realisable value). Costs comprise direct production costs.

When stocks are sold, the carrying amount of those stocks is recognised as an expense in the period in which the related revenue is recognised. The amount of any reversal of any write-down of stocks is recognised as a reduction in the amount of stocks recognised as an expense in the period in which the reversal occurs.

Other stocks of publications arise as a result of surplus copies being printed to those required. No value has been placed on stocks of these publications in these financial statements.

i. **Fixed asset investments**
Investments are a form of basic financial instrument and are initially recognised at their transaction value and subsequently measured at their fair value as at the balance sheet date using the closing quoted market price. The statement of financial activities includes the net gains and losses arising on revaluation and disposals throughout the year.

The Trust does not acquire put options, derivatives or other complex financial instruments.

The main form of financial risk faced by the charity is that of volatility in equity markets and investment markets due to wider economic conditions, the attitude of investors to investment risk, and changes in sentiment concerning equities and within particular sectors or sub sectors.

j. **Realised gains and losses**
All gains and losses are taken to the Statement of Financial Activities as they arise. Realised gains and losses on investments are calculated as the difference between sales proceeds and their opening carrying value or their purchase value if acquired subsequent to the first day of the financial year. Unrealised gains and losses are calculated as the difference between the fair value at the year end and their carrying value. Realised and unrealised investment gains and losses are combined in the Statement of Financial Activities.

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2022

k. **Pension Costs**
Contributions in respect of the Charity's defined contribution schemes are charged to the statement of financial activities for the year in which they are payable to the pension schemes.

l. **Library**
The Society's library is no longer held at Kingston University and is no longer available to Members for their use.

2. **a. Auditors remuneration**
The auditor's remuneration constituted an audit fee of £5,495 (2021 - £5,328) and additional advisory work and accountancy of £8,589 (2021 - £8,441).

b. Analysis of staff costs	**2022** £	**2021** £
Remuneration	147,373	146,855
National Insurance	2,817	2,144
Life Assurance	1,004	1,609
Pension Costs	6,554	5,678
TOTAL	157,748	156,286

The average monthly headcount was 7 staff (2021 - 6) and the average monthly number of full-time equivalent employees (including part time staff) during the year was as follows:-

	2022	**2021**
Publishing	2.5	2
Office Staff	2	2
Total	4.5	4

One employee had employee benefits that fell within the band £60,000 - £69,999 (2021 - One)
All employee time is involved in providing either support to the governance of the charity or support services to the charitable activities.

c. Key management compensation	**2022** £ Salary	**2022** £ Pension	**2021** £ Salary	**2021** £ Pension
Executive Director	65,302	-	67,640	-
Finance and Operations Manager	49,571	4,800	47,872	4,012

In addition to the above, national insurance contributions totalled £1,582 (2021 - £1,060)

3. ALLOCATIONS TO GROUPS by General Fund
An allocation is made to eight special interest groups of £16,000 for the year (2021 - £16,000).

4. VOLUNTARY INCOME - Donations	**Page**	**2022** £	**2021** £
Sustaining Membership Restricted Fund	19	1,961	1,934
General Fund - Geological Society	20	2,250	2,250

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2022

5. INVESTMENT INCOME

	2022	2021
Dividends and Interest	£	£
Unrestricted Funds	17,696	16,557
Restricted Funds	47	19
Individual Groups	74	62
	17,817	16,638
Interest on Cash Deposits	223	155
On Listed Investments	17,594	16,483
	17,817	16,638

6. OFFICE EXPENSES The breakdown of office costs and how these are allocated between Governance and Charitable Activities is shown below:-

	2022	2021
	£	£
Office Staff Remuneration	122,259	123,025
Reimbursement by EMU of staff expenses	-933	-1,424
	121,326	121,601
Office Staff Expenses	1,528	-
Rent, Rates and House Expenses	6,234	4,252
Printing, Stationery, Maintenance of Office Machines	1,387	1,678
Insurance	2,049	1,446
Postage, Telephone and Computer	10,541	13,859
Bank and Credit Card Charges	3,446	3,231
Miscellaneous Expenses	173	55
	25,358	24,521
	146,684	146,122

Allocation as follows:-	2022	2021		
	%	%	£	£
Charitable Activities	76	76	111,480	111,053
Governance and Support Costs (Note 7)	24	24	35,204	35,069
	100	100	146,684	146,122

Allocation is calculated on the basis of staff time, cost and office usage.

7. SUPPORT COSTS

	2022	2021
	£	£
Governance and Support Costs		
Office Expenses 24% (2021 - 24%) (see note 6)	35,204	35,069
Business Meetings Expenses (Travel)	1,231	4
Investment Charges	4,325	4,060
Auditor's Remuneration	13,772	13,769
Professional Fees	-	28
Total Allocated	54,532	52,930

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2022

8. TANGIBLE FIXED ASSETS for use by the Charity

	Page	Computers Office and Equipment	Freehold Land and Buildings	Total
Cost or Valuations		£	£	£
1 July 2021		23,942	345,000	368,942
Additions		1,328	-	1,328
Disposals		-6,490	-	-6,490
30 June 2022		18,780	345,000	363,780
Depreciation				
1 July 2021		23,571	-	23,571
Charge for Year		729	-	729
Disposals		-6,490	-	-6,490
30 June 2022		17,810	-	17,810
Net Book Value				
30 June 2022	22	970	345,000	345,970
30 June 2021		371	345,000	345,371

The freehold land and buildings were valued on the 17 September 2019 by Michael P Martin of Milestone Commercial Agency Ltd, at an open market value at £345,000. Open market value is considered to represent the fair value. The original cost of the freehold land and buildings acquired on 24 November 2006 was £358,978.

The Trustees consider that there are no indications of an impairment to the market value at 30 June 2022 since the valuation on 17 September 2019 and that the open market value continues to represent the fair value.

9. FIXED ASSET INVESTMENTS

Movement in Fixed Asset Listed Investments	Page	2022	2021
		£	£
Market value brought forward at 1 July 2021		844,451	729,460
Add: Additions to Investments at Cost		137,131	223,490
Cash Retained (Reinvested)		41,806	8,990
Disposals at Carrying Value		-166,490	-220,646
Less: Net (Losses) Gains on Sales and Net (Losses) Gains on Revaluations	19	-27,019	103,157
Market Value at 30 June 2022	22	829,879	844,451

Investments at fair value Comprised:	Original Cost 2021	Original Cost 2022	Fair Value 2022	Fair Value 2021
U.K. Investments	£	£	£	£
UK Equities	166,962	154,800	164,163	185,042
UK Bonds	96,202	75,370	73,718	112,002
Multi Asset Funds	22,836	18,260	24,622	30,314
Property	81,538	81,538	100,919	84,806
Others	57,877	70,190	79,426	57,847
Cash	7,114	28,608	28,608	7,114
International Equities Investments	277,733	289,435	318,430	345,981
Non UK Bonds	22,491	44,090	39,993	21,345
TOTAL	732,753	762,291	829,879	844,451

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2022

9. FIXED ASSET INVESTMENTS continued

All investments are carried at their fair value. Investments in equities and fixed interest securities are all traded in quoted public markets, primarily the London Stock Exchange. The basis of fair value for quoted investments is equivalent to the market value, using the bid price. Asset sales and purchases are recognised at the date of trade at cost (that is their transaction value).

10. DEBTORS

	2022	2021
	£	£
Other Debtors and Prepayments	12,687	14,052
Publications	4,004	4,000
	16,691	18,052

11. CASH AT BANK AND IN HAND

		2022	2021
		£	£
Applied Mineralogy Group		21,195	19,585
Clay Minerals Group		42,050	40,395
Environmental Mineralogy Group		5,911	5,945
Geochemistry Group		8,465	10,973
Geomicrobiology Network		15,937	13,931
Metamorphic Studies Group		13,168	13,261
Mineral Physics Group		14,129	12,923
Volcanic & Magmatic Studies Group		37,115	31,834
		157,970	148,847
Group Monies on	Reserve Account	67,970	58,847
	Deposit Account	90,000	90,000
		157,970	148,847
Sustaining Members	Reserve Account	15,401	13,629
Willy Aspinal	Reserve Account	12,248	12,232
		27,649	25,861
Mineralogical Society	Current Account	94,148	132,784
	Reserve Account	5,000	5,000
	Deposit Account	30,000	30,000
		129,148	167,784
Total Cash at Bank		314,767	342,492

12. CREDITORS AMOUNTS FALLING DUE WITHIN ONE YEAR

	2022	2021
Publications	£	£
Cambridge University Press	56,322	55,439
DHZIII	1,728	1,510
Elements	3,707	-
Geoscience World	9,656	9,656
Conferences	6,290	201
HM Revenue & Customs VAT	7,185	9,648
Other Creditors	9,256	19,460
Accruals	13,000	10,958
	107,144	106,872

MINERALOGICAL SOCIETY OF THE UNITED KINGDOM AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2022

13. TAXATION

The Mineralogical Society is a registered charity and is not subject to taxation on any excess of Income over expenditure.

14. COMMITMENTS

a) Pension Commitments

The Society operates a defined contribution pension scheme on behalf of its employees. The Society also operates a defined contribution Automatic Enrolment pension scheme on behalf of the employees. The assets of the schemes are held separately from those of the Society in independently administered funds. The annual pension commitment under these schemes are for contributions of 2 x the employees gross contribution, up to a maximum Society contribution of 10%, either to a defined contribution pension schem or to an automatic enrolment pension scheme.

b) Other Financial Commitments

The Society is committed to support conferences, pay travel costs for mineralogists in future years and produce publications. The anticipated annual cost of this commitment is £40,500 (2021 - £36,000).

The Society had no capital commitments on 30 June 2022 (2021- Nil).

15. REMUNERATION AND EXPENSES PAID TO TRUSTEES

Editorial expenses include remuneration paid to Trustees of:-	2022 £	2021 £
G.E. Christidis	4,956	5,912
S. Mills	4,004	3,944
R.H. Mitchell	4,000	4,000
Chun-Hui Zhou	2,000	-

In addition £444 (2021 - £-) is reimbursed to three (2021 - nil) trustees for travelling and accommodation expenses.

16. RELATED PARTY TRANSACTIONS

No trustee had any personal interest in any contract or transaction entered into by the charity in the year.

17. PRIOR YEAR COMPARATIVE FIGURES FOR THE FINANCIAL STATEMENTS

CONSOLIDATED STATEMENT OF FINANCIAL ACTIVITIES

	30 JUNE 2021		
	Unrestricted Funds £	**Restricted Funds** £	**Total Funds** £
Total Income	246,131	4,610	250,741
Total Expenditure	-228,469	-3,250	-231,719
Net Income and Net Movement in Funds before Gains and Losses on Investments	17,662	1,360	19,022
Net Gains (Losses) on Investments	103,157	-	103,157
Net Movement in Funds	120,819	1,360	122,179
Total Funds 1 July 2020	1,295,074	26,241	1,321,315
Total Funds 30 June 2021	1,415,893	27,601	1,443,494

Mineralogical Society of the United Kingdom and Ireland

England & Wales - Charity number 233706

Accounts

MINERALOGICAL SOCIETY OF GREAT BRITAIN AND IRELAND

ANNUAL REPORT AND AUDITED FINANCIAL STATEMENTS

FOR THE YEAR ENDED 30 JUNE 2021

David M. Rees & Associates Limited

CHARTERED ACCOUNTANTS

Well Cottage
Cucumber Lane
Essendon
Hertfordshire AL9 6JB

MINERALOGICAL SOCIETY OF GREAT BRITAIN AND IRELAND
ANNUAL REPORT AND AUDITED FINANCIAL STATEMENTS FOR THE YEAR ENDED 30 JUNE 2021

INDEX

	Page
Trustees and Advisors	1 and 2
Report of the Trustees	3 to 12
Report of the Independent Auditors	13 and 14
Statements of Financial Activities	15 to 17
Balance Sheet	18
Notes to the Financial Statements	19 to 25

MINERALOGICAL SOCIETY OF GREAT BRITAIN AND IRELAND

REFERENCE AND ADMINISTRATIVE INFORMATION

Trustees for the year ended 30 June 2021

PRESIDENT		B. Yardley - Resigned 31 December 2020 J. Lloyd - Appointeed to act from 1 January 2021
VICE-PRESIDENTS		P. Pogge von Strandmann - Resigned 31 December 2020 M. Widdowson D. Wray - Appointed to act from 1 January 2021
TREASURER		J. Harvey
GENERAL SECRETARY		J.M. Horák
PUBLICATIONS MANAGERS		R.J. Bowell - Appointed to act from 1 January 2021 P.J. Treloar - Resigned 31 December 2020
PUBLIC RELATIONS OFFICER		P. Pogge von Strandmann - Resigned 31 December 2020 J. Byrne - Appointed to act from 1 January 2021
ELEMENTS REPRESENTATIVE		M.E. Hodson
PRINCIPAL EDITORS	Mineralogical Magazine	S. Mills R.H. Mitchell
	Clay Minerals	G.E. Christidis
GROUP CHAIRS		
Applied Mineralogy Group		E. Deady
Clay Minerals Group		S.J. Kemp - Resigned 27 January 2021 A. Neumann - Appointed to act from 27 January 2021
Environmental Mineralogy Group		H. Buss - Resigned 4 March 2021 L. Newsome - Appointed to act from 4 March 2021
Geochemistry Group		C. Pearce - Resigned 23 June 2021 M. Millet - Appointed to act from 23 June 2021
Geomicrobiology Network		K. Olsson-Francis
Metamorphic Studies Group		C.M. Mottram
Mineral Physics Group		A.R. Thomson
Volcanic & Magmatic Studies Group		S. Gibson
ORDINARY MEMBERS OF COUNCIL		A. Bray - Resigned 31 December 2020 S. Broom-Fendley - Resigned 31 December 2020 F. Cooper J. Darling M. Rumsey -- Appointed to act from 1 January 2021 M. Smith R. Taylor - Appointed to act from 1 January 2021 E. Tomlinson - Resigned 31 December 2020 N. Gray-Wannell - Appointed to act from 1 January 2021

MINERALOGICAL SOCIETY OF GREAT BRITAIN AND IRELAND
Advisors for the year ended 30 June 2021

OFFICE		12 Baylis Mews 93 - 101 Amyand Park Road Twickenham Middlesex TW1 3HQ
ADMINISTRATION	Executive Director	K. Murphy
	Finance and Operations Manager	R. Rajendra
AUDITORS		David M. Rees & Associates Limited Well Cottage Cucumber Lane Essendon Hertfordshire AL9 6JB
SOLICITORS		Nabarro Nathanson Lacon House 84 Theobald's Road London WC1X 8RW
BANKERS		Coutts & Co 440 Strand London WC2R 0QS
INVESTMENT MANAGER		Schroder & Co. Limited, trading as Cazenove Capital 1 London Wall Place London EC2Y 5AU
CUSTODIAN TRUSTEES		J.F.W. Bowles M. Widdowson D. Wray
WEBSITE		www.minersoc.org
CHARITY REGISTRATION NUMBER		233706

MINERALOGICAL SOCIETY OF GREAT BRITAIN & IRELAND
REPORT OF THE TRUSTEES' FOR THE YEAR ENDED 30 JUNE 2021

The trustees present their annual report and financial statements of the charity for the year ended 30 June 2021. The Financial Statements have been prepared in accordance with the accounting policies set out in Note 1 to the financial statements and comply with the charity's governing document instituted on 3 February 1876 (Bye-Laws 12 November 2020 revision) the Charities Act 2011 and Accounting and Reporting by Charities: Statement of Recommended Practice applicable to Charities preparing their financial statements in accordance with the Financial Reporting Standard applicable in the United Kingdom and Republic of Ireland published in October 2019.

OBJECTIVES AND ACTIVITIES FOR THE PUBLIC BENEFIT

The object of the Mineralogical Society of Great Britain and Ireland, with which the Crystallological Society was amalgamated on 11 December 1883, is to promote and encourage the study of the science of Mineralogy, and its applications to other subjects including Petrology, Geochemistry, and Crystallography. In furtherance of the said objects of the Society but not otherwise the Council of the Society may: publish or cause to be published such periodical and other publications as it thinks fit, establish special interest groups, hold or arrange to be held seminars, conferences or other forms of discussion, award prizes, medals and exhibitions, receive donations or bequests for any general or special purpose connected with the object of the Society, establish or support any charitable institution having object similar to the object of the Society, do all such other things as shall further the attainment of the object of the Society.

Long-Term Strategy
Our long-term strategy remains largely unchanged, though we have added outreach to our list of priorities. The Society's aim is to continue to publish its flagship journals (in the face of significant change in the landscape of journal publishing) and its role in the EMU *Notes in Mineralogy* book series. Support for the Society's Special Interest Groups will continue, both financially and logistically, as it is largely through these SIGs that the Society serves the community of mineralogists. We will continue to be part of the *Elements* 'family' of Societies which distributes *Elements* to all members. The Society will also be involved in the organization and support of scientific meetings. Our strategy is to provide these services at an affordable cost to members and libraries. Our service to the student community, i.e. provision of one year's free membership and subsidized membership thereafter, will also continue. Online hosting of scientific events have proven to be an unexpected benefit arising from restricted movements imposed by the pandemic; these are set to continue in various formats. Finally, we are working towards provision of an outreach service which will serve the general public and hopefully help to encourage those from marginalized groups to consider our science as a career.

What difference is the Mineralogical Society seeking to make?
The Society seeks to be a leader in the provision of Society services to the international community of mineralogists. The organization facilitates the gathering of mineralogists to discuss matters of mutual interest, and thereafter to place it in the public domain through dissemination in its publications. We also exist to support the training of new mineralogists and to serve as a source of information for the public.

In setting our aims and objectives and planning our future activities the trustees have given careful consideration to the Charity Commission's general guidance on public benefit and in particular to its supplementary public benefit guidance on advancing education.

Bursaries
The purpose of the bursary scheme is to support academic work by facilitating attendance at overseas conferences and meetings; encouraging international collaboration, involving research of high merit; or supporting fieldwork. Applications are vetted by the Society's Awards Committee.

A REVIEW OF OUR ACHIEVEMENTS AND PERFORMANCE

Membership
During the year ended 30 June 2021 the Society had a net increase of 12 members. At 30 June 2021 there were 784 Members being 18 Honorary Life Fellows, 14 Honorary Fellows, 65 Life Members, 675 Fellows and Members (including 78 complimentary) and 12 Emeritus Members. These figures do not include 150 Student Members who are receiving free membership of the society for one year.

Publications Manager
We are approaching the end of the fourth year (of five) of our agreement with Cambridge University Press for publication of the Society journals. Income to date exceeds that envisaged when the agreement was signed. Discussions about renewal of the agreement are at an advanced stage.

Discussions continue about the impact of the European Union's 'Plan S' and how best to take our journals forward through a transformation stage to Open Access. We envisage that embedding our journals in the CUP 'Read and Publish' model will facilitate this transition and ultimately have a positive effect on our balance sheet. No volumes in the EMU Series have been published this year. We do though have two proposals currently in the review process. There is also the possibility of a new volume in from recent EMU School.

Elements magazine continues to be a major attraction and an important benefit to Society members. Discussions continue around a fourth edition of the Introduction to updating DHZ and this is important as it has been a consistent source of revenue and publicity for the society.

Mineralogical Magazine
The Editors thank Production Editor, Dr Helen Kerbey, without whose work the journal would not function efficiently. We commend her for her excellent copy-editing and positive interaction with CUP, our typesetters, and layout personnel. We also note that she responds quickly to queries from authors with regards to their problems with the manuscript submission system. Both editors value her involvement in maintaining the high standards of the Mineralogical Magazine. We also wish to express our appreciation to all members of our Editorial Board. Without their dedication it would not be possible to publish the Mineralogical Magazine.

This is the fourth year of the journal production under the auspices of the Cambridge University Press on-line Editorial Manager. Most of the problems encountered during the first years have been resolved and the submission and review process is operating without any major problems. The new A4 format of the journal has been well-received. The immediate access to the on-line versions in a pre-

publication format (not copy-edited, no typesetting or layout) via the CUP web-site of accepted manuscripts and the diverse metrics associated with the papers published has been welcomed by the editors and readers of the journal. Our CUP contacts and especially partner Andrea Giannini has provided the editors and the publications committee with valuable and interesting monthly Publisher's Reports on the demographics of citations which were previously unavailable.

The journal has continued to publish high quality papers in wide range of mineralogical and petrological topics, and in the Editor's opinion remains the premier periodical for publication of papers concerned with theoretical mineralogy, mineral crystal structures and description of new minerals. This status reflects, in part, our policy of providing full-colour imagery without charge.

The impact factor of the journal in 2020 of 2.062 has risen from the previous level of 1.738. We consider that this is a better reflection of our quality and look to return to the 2.2 mark in the future.

	2020	**2019**	**2018**
Mineralogical Magazine	2.062	1.738	2.210
American Mineralogist	2.960	2.922	2.631
Canadian Mineralogist	1.078	1.449	1.398
Mineralogy and Petrology	1.708	1.461	1.573
European Journal of Mineralogy	1.665	1.665	1.663
Minerals I(MPDI)	2.250	2.380	-
Contributions to Mineralogy & Petrology	4.076	3.140	3.230
Lithos	3.932	3.390	3.913

Most papers published from June 1st 2020 to June 30th 2021 were green open access, although 20 gold open access papers were published, representing a significant increase over the previous year when only seven gold open access papers were published. There were no on-line only special issues. The journal continues to publish upon receipt the reports of the IMA New Minerals, Nomenclature and Classification (CNMNC) Committee.

Clay Minerals

Four issues of Clay Minerals were published between July 2020 and June 2021. The 4 issues contained 32 papers one review (George Brown lecture paper) one short paper and one obituary. Three papers in the March 2021 issue and one in June 2021 issue were presented in the Asian Clay Conference, held in April 2020 in Singapore, and belong to the special issue "Clays and Functional Materials". All issues were published, under the new agreement with Cambridge University Press and this arrangement is working well. The papers were printed with the new format with larger (A4) pages. The new larger printing style explains the smaller number of published pages compared to previous years.

As usual, the research articles covered a wide range of applications, from use in industrial production of ceramics to application as selective catalysts and geotechnical applications, from geology of clay formations, bentonites and kaolins to physical and chemical properties of clays, from therapeutic and environmental applications of clays (green chemistry) to nanocomposites, archeological ceramics, minerals (dioctahedral and trioctahedral smectites, kaolinite, halloysite, sericite, vermiculite, palygorskite, sepiolite, layer double hydroxides, phosphates clinoptilolite, heulandite), synthetic zeolites from clays and locations (14 countries from Western, Central and Southern Europe, Africa, the Middle East, Asia and South America).

In the interval July 2020-June 2021, 88 manuscripts were submitted from 29 countries from Europe, Asia, Africa, Central and South America. Over the same period, there were 160 editorial decisions, 29 of which indicated acceptance; 20 conditional acceptance, 42 verdicts suggested major revision, 15 suggested minor revision and 54 of rejection including non-suitability for the journal (note that more than one verdict is applied to each manuscript, depending on the number of rounds of revision). The rejection rate was ~60%. The average time from submission to first decision was 48.5 days (42 last year). The submission to publication time is 130-140 days. 541 reviewers were invited, of whom 226 agreed to provide reviews (~42%). 151 reviewers were uninvited and 27 reviewers were terminated.

Currently four additional special issues have been proposed and are currently open for submissions. The first is "Clays in extraterrestrial environments", organized by Javier Cuadros and Karen Olsson-Francis. The second is "REE and critical metal in clays" and organized by Asuman Türkmenoğlu, and the third is "The applications of stevensite (a rare trioctahedral smectite)", organized by Miroslav Pospišil. Javier, Asuman and Miroslav are AEs of the journal. Announcements about these special issues have made on the webpage of the journal. The deadline for submission of papers for the three issues is 31 December 2021 and the publication of the papers has been planned for June 2021-September 2021. The fourth special issue is "Clay resources in geological, mining and geotechnical engineering and building materials" (guest editor Dr. V. Tsikouras) and will host papers presented in the 6th International Conference on Minerals Source, Geotechnology and Civil Engineering (MSGCE 2021), Guangzhou, China. Thus far, six papers have been submitted and three have passed the original screening and have been sent to reviewers. Additional special issues/sets of thematic papers will be scheduled on the occasion of ICC2022, in collaboration with the organizers of the conference.

Three new members have been selected to join the Editorial Board (Hendrik Heinz, Hongping He and Liva Dzene). The Editorial Board is working smoothly and deal well with the tracking system 'Editorial Manager'. A virtual editorial board meeting was held on 25 August 2021 and another has been planned for the end of the year. We plan to have two meetings per year. We hope that we will have an in-person meeting during ICC2022 in Istanbul in July 2022.

There has been a delay in the publication of the June 2021 issue, which is about 5 months. We are working to resolve the problems leading which led to this delay.

The Impact factor (IF) of the journal in 2020 (reported in June 2021) increased to 1.478 from 1.361 in the previous year. This is the second highest level recorded for the journal. Actually, the IF of the journal increased from about ~1 in the interval 2013-2016, to ~1.5 in the interval 2017-2020. The number of paper downloads is increasing steadily. The journal is on the right track and we expect that the collective effort of the editorial board, staff and publishing team will help to increase the impact factor further in the coming years.

Applied Mineralogy Group

The AMG remains active and despite the ongoing pandemic has attempted to continue work as well as possible. The main activities of the group during this time were to start a series of online lectures trying to cover a perceived gap in the online talk calendar. The four talks held during this period covered a range of topics including carbon capture and storage by mineralisation and metals and fracture fill in geothermal systems. The AMG, in association with the Mineralogical Society and the Mineral Deposits Studies Group organised a writing workshop for students and early career researchers. The course was designed to think about how to represent information about our research to make it readable by non-specialists. This ran over 5 weeks in early 2021.

A Rare Earth Element software workshop was hosted by the AMG in February 2021. This was delivered by colleagues in Australia and had a great response both on the day and subsequently via Youtube.

Committee meetings and changes:
We are still unable to fill the role of secretary; this is temporarily being filled by Hannah Hughes with help from Eimear Deady (Chair). Richard Shaw took over the role of treasurer from Alicja Lacinska. We said goodbye to some ordinary members, Simon Dominy and Mark Tyrer during the past year. Meetings were held on the 16th September 2020, 11th December 2020 and 21st April 2021. John Faithful took on the role of EDI officer for the committee.

Applied Mineralogist
The student representatives produce a quarterly newsletter, '*Applied Mineralogist*' which is a great success. The readership is up and the editors consistently find and edit excellent content. This publication has increased the visibility of the AMG and the group is very pleased with the effort put in by student reps.

Committee members:
Chair: Eimear Deady
Secretary: Unfilled – temporarily covered by Hannah Hughes (Camborne School of Mines, University of Exeter)
Treasurer: Richard Shaw
EDI officer: John Faithfull
Ordinary members: John Bowles, Will Brownscombe, Tom Edwards, John Macdonald and Adrian Finch
Student members: Holly Andrews, Adam Eskdale and Charlie Compton-Jones
MDGS representatives: Dan Smith (University of Leicester)/Rachel Gallagher (Rio Tinto).

Clay Minerals Group
Committee Meetings
The CMG held four committee meetings, all online (4 Sept 2020, 24 Nov 2020, 27 Jan 2021, 24 May 2021).
Research in Progress Meeting
The CMG RiP Meeting planned for 2020 was postponed to 2021 and was held jointly with the Environmental Mineralogy Group online on 14 June 2021. The organisers of the meeting 'Minerals in the Natural and Built Environment' were, on behalf of the EMG, Oliver Moore (University of Leeds) and Jay Bullen (Imperial College) and from the CMG Anke Neumann (Newcastle University). The meeting programme included the 2021 George Brown Lecture delivered by Prof. David Manning (Newcastle University), a keynote presentation by Prof. Karen Hudson-Edwards (University of Exeter) and a total of 16 presentations (including three 3-minute poster lightening talks). Overall 97 attendees registered for the RiP meeting and most came from the UK (64%). The online format also enabled attendance from EU-based researchers (19%) and even from the Americas, Asia and Africa (total: 17%). Informal interactions during coffee and lunch breaks were facilitated via the online platform Cosmos. Prizes were awarded for the best oral and poster presentations by both the CMG (oral: Harry Brooksbank; poster: Maggie White) and the EMG (oral: Callum Robinson; poster: Jody Grassby).
CMG-supported activities
Due to the pandemic, major conferences have been postponed to 2022. The CMG will provide sessions and talks at the prestigious International Clay Conference (Istanbul, 25-29 July 2022), including the 2022 George Brown Lecture by Yael Mishael (The Hebrew University of Jerusalem) in the session 'Clays for contaminants control' coordinated by Binoy Sarkar (Lancaster University) on behalf of the CMG. At the Mid-European Clay Conference (Kliczków Castle, 11-15 September 2022), Sabine Petit (Université de Poitiers) will deliver the 2020 George Brown Lecture, which was postponed due to the pandemic.

The CMG nominated Warren Huff for the 2021 Collins Medal and we are delighted that the nomination was successful.
Social Media
The CMG's Twitter account (@CMG_minsoc) remains one of our important means of communication, and the LinkedIn Group (Clay Minerals Group (MinerSoc)) is targeting outreach to and communication with industrial colleagues.
Annual General Meeting and CMG Committee Membership
The CMG AGM was held online on 24 November 2020. The CMG thanked Simon Kemp (BGS) for his service to the CMG as chair; Anke Neumann (Newcastle University) was elected as the new CMG chair. Patrick Dowey (University of Manchester) stepped down from the committee; Megan Baker (Durham University) and Ian Collins (BP) were elected as new ordinary committee members at the AGM. Ian stepped down in May 2021 due to other commitments.
Chair: Anke Neumann
Secretary: Helen Pendlowski
Treasurer: Francis Clegg
Principal Editor Clay Minerals: George Christidis
Members: Simon Kemp (past-chair), Kirill Shafran, Steve Hillier, Neal Skipper, Binoy Sarkar, Megan Baker, David Wray, Chris Greenwell

Environmental Mineralogy Group
We successfully held an online RiP on 14 June 2021, in conjunction with the Clay Minerals Group, organised by Ollie Moore and Jay Bullen (EMG) together with Anke Newmann (CMG). There were 97 registrations and 16 presentations given (including three quick poster presentations). We hope to hold it in person in 2022, possibly in Ireland, but will also consider options for holding it online if necessary. We are committed to keeping RiP meetings free for student presenters with travel bursaries of up to £50. We charge only a small fee to other attendees to cover catering costs.

The committee typically meets three times a year: our annual meeting at the RiP (summer) and two other meetings (spring and autumn) with the primary goal of reviewing and awarding ECR bursaries. Our meetings have been online since March 2020, and during this period we met on 10/12/2020, 4/3/2021 and 14/6/2021. The EMG have operated a Seed Corn bursary scheme for early career researchers since summer 2015. We offer up to £500 twice a year to facilitate seed-corn research and/or pump-priming ideas, that are expected to lead to publication and/or research funding applications. In Spring 2021 we did not receive any applications, while the Autumn 2020 was postponed due to Covid uncertainty.

Committee members Heather Buss, Oliver Moore and James Graham have left the committee and Luke Townsend (University of Sheffield), Ece Kirat (Camborne School of Mines), Samuel King (University of Liverpool) have joined.

Committee membership following our 2021 AGM
Chair: Laura Newsome

Secretary: Ronan Courtney
Treasurer: Stephen Parry
Communications Officer: James Byrne
Early Career Representative: Jay Bullen
Student Representative: currently unfilled
Industrial Representative: Liam Abrahamsen
Members: Luke Townsend, Ece Kirat, Samuel King

Geochemistry Group

The Group's social media efforts are bearing fruit and both strands (Twitter and Facebook) continue to attract increasing numbers of followers.

The Group has been discussing a mentorship scheme and this will develop further into the coming year.

Also under development was the so-called 'Out of Academia' programme of webinars, with guests invited to speak on careers other than those in academia.

Similarly, a series of Early Career Research skills workshops is being worked on by committee member, David Wilson.

A virtual GGRiP was held on 22–23 June. This was attended by 80 people and included an EDI workshop. Dr Ashley King and Dr Queenie Chan gave presentations as part of the Geological Society's Year of Space; and Dr Emma Tomlinson and Dr David Naafs took us from the heat of the Archean mantle to the relatively cool temperatures recorded by bacterial biomarkers. In addition, the unfortunate cancellation of the 2020 GGRiP meeting meant that there were 2 years' worth of Early Career Researcher award recipient talks from Dr Richard Taylor, Dr Matthew Warke, Dr Emily Stevenson Dr Chris Standish, on top of some truly excellent student presentations. Our poster session was held in a virtual exhibit hall using Gather.Town; it featured many really excellent posters that are still available for viewing online.

Thanks to C. Pearce (chair), S. Hammond (treasurer) and S. Little (committee member), all of whom have completed their respective terms of office and have cycled off of the committee.

The current committee consists of:

Chair: Marc-Alban Millet
Secretary: W. Fraser
Treasurer: J. Barling
Communications Officer: G. Inglis
Student representative: S. Slater
Members: P. Clay, P. Savage, H. Williams, H. Bradbury, A. Burke, D. Wilson
Co-opted: J. Crumpton-Banks

Geomicrobiology Network
Committee meeting
The committee has held three meetings over the last twelve months, which were hosted online.

The committee membership has stayed the same over the year:
Chair: Dr Karen Olsson-Francis (previous Secretary)
Secretary: Dr Laura Kelley
Treasurer: Dr Andy Mitchell
Student representative: TBC
Social media: Dr Mario Tubes Rodrigo
Ordinary members: Dr Sophie Nixon, Dr Karen Cameron, Dr Henrik Sass, Prof Geoff Gadd, Dr Tom Clarke, Joe Small, Prof Paul Humphreys, Dr Jon Telling.

The plan was to identify new member (including a student rep) at the RiP meeting, but this did not happen and will be agenda item for the next meeting. Furthermore, K. Olsson-Francis will be stepping down as Chair at the end of the year and a replacement will be discussed at the next meeting.

Research in Progress meeting 2021
This event was cancelled due to small numbers.

Seminar Series
The Geomicrobiology network ran a bi-monthly seminar series in collaboration with the University of Glasgow. The concept of the seminar series was to facilitate and build a community for UK geomicrobiologists. The series started in early October and by the end, 18 seminars had been held with >100 in attendance at some.

Metamorphic Studies Group
Meetings: MSG RiP 2021: 40th Anniversary: 29th – 31st March 2021
The Metamorphic Studies Group celebrated its 40th Anniversary in 2021. To celebrate the Metamorphic Studies Group successfully ran their second virtual Research in Progress meeting, hosted online on Zoom and Gather.Town and organised by Owen Weller (University of Cambridge), aided by Kevin Murphy and the MSG committee.

The meeting was a great success. Hosting the conference online allowed the group to broaden the audience, reaching new colleagues and new audiences from across the globe. There were over 400 people registered for the meeting from 38 countries and at its peak >200 people were in attendance.

The conference was opened by MSG Chair Catherine Mottram who celebrated and thanked all the people who have made up MSG over the last 40 years and particularly to Prof. Michael Brown (University of Maryland) who was integral in setting up the Metamorphic Studies Group in 1981. Mike Brown delivered a keynote talk opening the conference giving perspectives of 40 years of metamorphic studies.

There were 35 high quality presentations across the three sessions including keynote talks from Pierre Lanari (University of Bern), Bruna Carvalho (Universita degli Studi di Padova) and Freya George (John Hopkins University) as well as a special Barrow Award talk from Roger Powell (University of Melbourne). The conference spanned a huge breath of topics, from exploring metamorphic processes in the Archean including the onset of plate tectonics to extra-terrestrial metamorphism on the moon. New and intriguing research about the Lewisian of Scotland, the Gondwanan orogens of south America, and the Himalaya highlighting the global abundance of highly interesting occurrences of metamorphic studies. Many of the talks highlighted state of the art approaches and analytical techniques used to investigate metamorphic processes today- demonstrating the amazing advances which have been made over the last 40 years! As usual, garnet played a starring role in the meeting, with Silvio Ferrero (Potsdam) stealing the show with his beautiful (and giant) Adirondack garnets! Recordings of oral presentations have been added to the Mineralogical Society Youtube channel.

The poster session was hosted on the *Gather.Town* platform, an immersive virtual poster experience. Delegates very much enjoyed transforming into avatars and running around the virtual poster hall to investigate the excellent posters on display. MSG would very much recommend this platform to other Special Interest Groups running virtual meetings.

Sophie Miocevich (PhD student University of Cambridge) won the best student talk presentation for her presentation 'How did the Archean crust evolve? Insights from the structure and petrology of the Lewisian of Scotland'. Stefania Corvò (PhD student Universita di Pavia) won the prize for the best student poster presentation for her poster 'Unravelling the evolution of a major extensional lower crust shear zone from Val d'Ossola (Ivrea-Verbano Zone, Western Alps, Italy)'

Overall, the meeting was a great success and a worthy celebration of the 40th anniversary of the Metamorphic Studies Group.

Barrow Award

"The Barrow Award is awarded annually to a scientist who has made an outstanding contribution to metamorphic studies. Publications, teaching, outreach and other activities leading to the promotion of metamorphic geology, in the broadest sense, are taken into account in making the award."

The winner of the 2021 Barrow Award was announced as Prof. Roger Powell, University of Melbourne

2022 MSG RiP meeting

We are hoping to hold the 2022 Research in Progress meeting in St Andrews (subject to COVID-restrictions). We are committed to having an online presence/ hybrid meeting to allow delegates to attend virtually at all future meetings.

Committee meetings

The committee currently meets twice a year, plus an AGM during the RiP. The next meeting will be held in April 2021

2021 Committee

Catherine Mottram	Chair
Owen Weller	Secretary
Barbara Kunz	Treasurer
Richard White	Committee member
Anna Bird	Committee member
Simon Cuthbert	Committee member
Phil Gopon	Committee member
Nick Roberts	Committee member
Richard Palin	Committee member
Sophie Miocevich	Student rep/ webmaster
Thomas Lamont	Committee member/ field trip rep
Ralf Halama	Committee member
Ines Pereira	International rep
Caroline Lotout	Committee member

Finances

The MSG finances are healthy.

Social media

Sophie Miocevich has been doing an excellent job managing our website and social media presence including Facebook and Twitter and will continue to do so for another year.

Mineral Physics Group

The Mineral Physics Group (MPG) has not held any research meetings since the outbreak of Covid-19 in March 2020. We hope that the return to "normality" throughout the UK will allow us to return to the regular cycle of hosting a Research in Progress meeting every other year, starting in spring 2022. The MPG did continue its support for the annual Magnetics Interactions meeting which was held virtually by providing money for two student prizes. The MPG also launched a Covid-19 Hardship fund, aimed at supporting PhD students and/or Early Career Researchers whose funding had recently expired or who have been adversely affected by the impact of Covid-19. Through this new scheme, which was launched in April 2021, we plan to provide £400 each to support three UK-based PhD students. Additionally, through our student travel/research bursary scheme we supported Jacob Farrelly (University of Oxford) to the sum of £400 to undertake research into the composition of pallasite meteorites over the summer.

The full committee is as follows:

Chair: Andrew Thomson (UCL)

Treasurer: Stephen Stackhouse (Leeds)

Secretary: vacant

Members: Ana Ferreira (UCL), Oliver Lord (Bristol), Emilie Ringe (Cambridge), Eleanor Jennings (Birkbeck) and Claire Nichols (Oxford)

Volcanic and Magmatic Studies Group

The main activities of the Volcanic and Magmatic Studies Group (VMSG) are conferences, support of awards, funding travel bursaries for PhD students, publishing a quarterly newsletter and keeping in regular contact with our community through email and social media

(Twitter, Facebook, Instagram and our YouTube Channel). This reporting period was heavily affected by the impact of COVID-19 on all our lives.

VMSG Committee meetings

The VMSG committee convened in August 2020 for its summer meeting over Zoom. A key point for discussion was the VMSG Annual Winter Meeting in January 2021 and the potential issues with the ongoing COVID-19 pandemic. In May 2020 the Executive Committee (Gibson, Kavanagh and Mikhail) met with Manchester University's Local Organising Committee for VMSG 2021. It was agreed that the Manchester conference should be cancelled due to the uncertainty regarding whether an in-person meeting would be possible and a virtual meeting being very different to the original proposal of the LOC. Manchester was subsequently invited (January 2021) to submit a new proposal to host the VMSG annual conference in 2022, which will also be virtual.

Conferences

The main event for VMSG members since our last report was the annual winter conference, which was organised as a virtual meeting (6th - 8th January 2021). The main organiser was Dr Sami Mikhail together with volunteers from the VMSG committee (in alphabetical order: Prof. Jenni Barclay, Dr. Mike Cassidy, Dr. George Cooper, Dr. Sam Engwell, Dr. Nick Gardiner, Prof. Sally Gibson, Dr. James Hickey, Dr. Janine Kavanagh, Dr. Jess Pugsley, Dr. Pete Rowley and Ms. Emma Watts). The conference was held on Zoom and supported by technical staff at the Geological Society of London. This 'vVMSG' was a truly international affair: there were 409 registrants for the conference, representing >120 institutions from >20 countries. Delegates included 309 from the UK, 44 from the rest of Europe, four from Africa, 20 from North America, two from the Caribbean, 13 from South America, and 17 from Asia. From those who registered, 33% were post-PhD, 25% were PhD students and 42% were eligible for free attendance (MSc students, undergraduates, without funding or currently unemployed). vVMSG's scientific program was full of fascinating and enriching science, conducted across two parallel sessions held via Zoom. The conference hosted nine thematic sessions each headed by a dedicated keynote presentation (9 in total, 77% female) and with a combination of longer 15-min talks (76 in total, 42% female) and 2-min flash talks (54 in total, 72% female). All oral presentation requests were granted and session chairs were the VMSG committee members. All talks were pre-recorded with a live discussion afterwards. Delegates were invited to have their talks uploaded to the VMSG Youtube Channel which now hosts 47 of the talks given in dedicated session playlists: https://www.youtube.com/channel/UCT9mTubBsYx4SqXRZ4sW5kA/playlists. The sessions covered a very diverse range of themes, including: Volcano magmatism and the environment; Eruptive Processes; Geophysics and monitoring; East Africa; Volatiles from the mantle to the atmosphere; Magmatic processes in sub-volcanic systems; Reservoir and emplacement processes; Media, Communications and Society; Volcanic Histories. Invited keynote speakers included the ThermoFisher Scientific VMSG award winner, Prof. Ed Llewellin (University of Durham); the Willy Aspinall Award winner, Ailsa Naismith (Bristol) for her 2019 paper on eruption frequency patterns at Volcán de Fuego; the Zeiss Post-doctoral Keynote Award winner, Dr Jamie Farquharson (Miami) for his winning abstract on assessing rainfall-induced volcanic hazard. Additional keynote talks were given by Faye Walker (University of Aberdeen), Michal Camejo-Harry (University of the West Indies), Chiara Petrone (Natural History Museum), Carina Fearnley (UCL), Peter H. Barry (Woods Hole Oceanographic Institution), Jessica Johnson (University of East Anglia), Karen Fontign (Université libre de Bruxelles), Jackie Kendrick (University of Edinburgh) and Tom Gernon (University of Southampton).

Student presentations were of outstanding quality at vVMSG2021. Matthew Varnam (Manchester) won the Bob Hunter Prize for the best oral presentation given by a student, while Adam Cotterill (UCL) was the winner of the Geoff Brown Prize for best student poster presentation. Kirsten Stephens (Penn State) achieved the Bob Hunter Runner-up Prize, and Elena Jones (Hull) received the Geoff Brown Runner-up Prize. The pre-conference field trip, "Exploring scales of lava emplacement in Namibia, Skye and Mull", took place on 7 January and was run by Jess Pugsley and John Howell of the University of Aberdeen (available on YouTube).

The vVMSG scientific program was supplemented by a number of social events and our new VMSG Discord server. Each morning started with a yoga session with Celine Vidal, Lancaster University hosted a hot-headed quiz night on 8th January, and the night before saw explosions of laughter and plenty of ribbing with the awesome-awful movie 'Apocalypse Pompeii'.

The conference was followed by our virtual VMSG AGM where we communicated and discussed VMSG committee activities with the members, hosted forums with our student members and Early Career Researchers and hosted 'meet the sponsors' Question and Answer sessions. VMSG 2021 was supported by ThermoFisher, ZEISS and Nu.

Finances

Income to the VMSG account includes the annual contribution from the Geological Society of London (£750) and the Mineralogical Society (£1,250) together with interest from Scottish Widows and Coutts & Co (£16.56). The outgoings include Student Travel Bursaries (£769.05), Committee Expenses (£408.73), support of the 'Sulphur in Earth System' Meeting (£152.00), student prizes at the annual VMSG meeting in 2021 (£400+bank charges of £25), and gifts for the staff at the Geological Society for their support during the annual VMSG meeting in 2021 (£130.39). The Willy Aspinall Prize was awarded in 2021 (£400) so the value of £12,231 in the account should be accurate with minimal growth due to the economic downturn. This will continue to fund the award for at least the next 10-12 years. The balance in the VMSG account on 30/06/2021 was £31,833.89. This relatively large amount has accrued over numerous years, to act as a contingency against any financial issues that might arise at the VMSG winter meeting or on field trips.

Support of sessions at international conferences and workshops

VMSG supported the following meetings:

- Diffusion in Minerals, Rocks and Melts: Potential and Pitfalls – a one day meeting hosted by the Society (23/10/20)
- Sulfur in Earth System – a conference chaired by Robert Newton and hosted by the Geological Society (16/11/20)
- Rare Earth Element workshop organised by the Applied Mineralogy Group and chaired by Eimear Deady (22/02/21)

VMSG Awards and Bursary Winners

In addition to the awards mentioned above, Steven Walker (Edge Hill University) was awarded the Henry Emeleus Fieldwork Grant 2021 for fieldwork on the Isle of Mull.

We created a new 'Awards and Bursaries' position on the VMSG committee to oversee the advertising, collation and assessment of applications to our various awards and bursaries. The updated advert for applications includes a statement encouraging under-represented groups to apply. The updated Nomination Form for the VMSG award includes a section on academic service, conferences/workshops organized, outreach and public engagement. Voting committee members are now required to watch the Royal Society video on Unconscious Bias before reviewing submissions.

We have and continue to discuss amongst the committee how to increase the diversity of nominations and ensure the awards nomination process is fully aligned with our EDI values to support recognition of VMSG community members irrespective of gender, ethnicity, religion, geographical location, physical ability, sexual orientation or socioeconomic background.

Membership
VMSG members are self-identifying and we keep no list of members. We have discussed the importance of collating a members list so that we can learn more about our membership to ensure we fully represent them in our activities. We also need to be able to consult with them regarding the election of committee members.

Our on-line presence remains highly active. Information is disseminated to the group members via our newsletter which is circulated quarterly to a jiscmail emailing list of ~1000 people, via the VMSG website (https://vmsg.org.uk/), a Facebook group, regular Twitter feed, an Instagram account and Discord Channel.

YouTube
We're now nearing 100 subscribers and have over 2,700 total views. The majority of these were around the time the presentations from vVMSG2021 were uploaded but there has been a steady trickle of views and subscribers ever since. Our video with the most views is the 'Addressing Inequalities in the VMSG community' first panel discussion which has 320 views, followed by Part 1 of our vVMSG virtual fieldtrip workshop with 230 views.

Social Media
Twitter remains our main social media base and our followers have steadily grown through the year to a current total of 3,821. The biggest engagements have generally been positive reactions to announcements and the upload of the vVMSG 2021 talks in February (10.4K impressions). We are currently averaging around 100 new followers and 2000-3000 profile visits per month.

Instagram
The number of Instagram followers has grown steadily through the year and now stand just under 500. Of all the platforms we operate this has probably the most potential for growth.

Facebook
The VMSG Facebook group has 693 members and remains a useful place to post announcements and reminders of opportunities both for ourselves and the wider community (since any member can post to the page). Engagement is generally somewhat less than on Twitter but averages around 5-10 likes for most posts.

#BlackLivesMatter discussion panels
VMSG recognises that practice in encouraging diversity is not yet good enough in our community, and as our contribution to #BlackLivesMatters convened a series of web-based discussion panels: (i) The historical construction of inequalities in our research field globally (Panel 1 - 20th July), (ii) Learn about the barriers to inclusion (Panel 2 - 26 August), and iii) A manifesto for tangible actions for VMSG moving forwards (Panel 3 –18th December 2020). Sally Gibson (President of VMSG) & Jo O'Leary (Head of EDI for UKRI) discussed the actions made so far regarding and the potential for the future. They also responded to questions from the audience. The Panel Discussions are all available on the VMSG YouTube channel:
https://www.youtube.com/channel/UCT9mTubBsYx4SqXRZ4sW5kA

Equality Diversity and Inclusion
VMSG has provided more transparency to the community as to how we award student bursaries. We have also undertaken to designate one of the keynote lectures to be a non-tenured, but post-PhD, ECR each year (starting with VMSG 2021 and supported by ZEISS). Additionally, we have shared on our website practical information on how overseas researchers can collaborate via internships or PhD study in the UK.

Directory of PhD students and ECRs in volcanology
We created a directory where PhD students and ECRs can place their details (including preferred pronouns) to aid collaboration and networking. There is also a section asking about whether they are interested in a VMSG mentoring scheme. The directory is to be used by all. The aim is to increase collaboration and aid networking by using it to invite PhD/ECR speakers and involve students/ECRs in grant proposals.
https://docs.google.com/spreadsheets/d/1rFev6hu2BxHZJiMeWThQ_iwDFnlXalPFq6_muCIxiho/edit#gid=0

Code of Conduct Policy
The VMSG Code of Conduct was updated in 2021 so that it is also applicable to virtual meetings and workshops.

VMSG Committee 2021
Executive Committee
- Chair: Prof Sally Gibson – University of Cambridge
- Honorary Secretary: Dr Janine Kavanagh - University of Liverpool
- Honorary Treasurer: Dr Sami Mikhail - University of St Andrews

Ordinary Members
- Dr Jazmin Scarlett (Equality, Diversity and Inclusion Officer)
- Dr Elliot Carter (Social Media Rep)
- Dr James Hickey (Webmaster)
- Dr Nick Gardiner (Awards and Bursaries)
- Dr Pete Rowley (Fieldtrip coordinator)
- Prof Jenni Barclay (Outreach and Public Engagement)
- Dr Claire Harnett (ECR Rep)
- Dr Ailsa Naismith (Newsletter)
- Emma Watts (Student Rep)

Distinguished Lecturer Programme
The Distinguished Lecturer Programme for 2019-20, partially delivered by S. Mikhail (University of St. Andrews) and C. Peacock (University of Leeds) was largely completed during the 2020–21 academic year.

FINANCIAL REVIEW

Treasurer's Report

Despite the turbulent times we have found ourselves in over the last 18 months, the finances of the Society are in a healthy state. As I will lay out below, our assets overall have recovered from the initial tank in the financial markets back in June 2020 and not only have we recovered from the loss in the value of our investments at that time but the value of our assets continues to grow.

Historically, we have derived income from our investments – drawing an agreed amount to finance the day to day workings of the Society – our members subscriptions and from publishing, both journals and books. Given our reduced activity during the pandemic, there has been little need to draw on our investments over the last financial year, so as we had recently agreed with Cazenove, any increase in the value of our investments is reinvested until the time comes where we need to draw down on them for income. At the start of the last financial year (1st July 2020) our investments were valued at £729K, up from £723K at the bottom of the market in June 2020. At the end of the financial year (30th June 2021) the value of our investments had risen to £844K – a 16% gain over the course of the year.

Despite our fear over the last few years that membership was dwindling, the income from members' subscriptions has remained largely the same this year. While income from meetings, conferences and special interest group activity has obviously diminished this year, the expenditure associated with providing meetings and conferences is also diminished, so the balance of income over expenditure also remains essentially the same.

Income from Cambridge University Press is up again this year, but this will not continue, especially in the light of changes to subscriptions and open access agreements that over the coming years will start to erode our income from journals significantly.

With regard to expenditure over the last financial year, there are very few headline items. The cost of governance of the Society remains largely the same irrespective of our level of activity – this is reflected in our fixed costs; an inevitable consequence of doing business. So you will see that office expenses and support costs remain largely unchanged over the last financial year.

So the headlines relating to the balance sheet for the last financial year are that total net assets of the Society, that is fixed and current assets minus liabilities, has risen from £1.32M to £1.44M (up 9%).

INVESTMENT POLICY AND PERFORMANCE

Under the Bye-Laws the Society Trustees have appointed investment managers to implement the investment strategy and protect the safety of the underlying funds. Cazenove Capital Management Limited were appointed during 2012 as investment managers.

RISK MANAGEMENT

The Trustees have considered and reviewed the major risks to which the Society is exposed. The Trustees have a risk management strategy which comprises a regular review of the risks to the Society and the establishment of systems and procedures to identify those risks to enable the Trustees to implement action to minimise any potential impact on the Society that should arise.

A key element of the management of financial risk is via a review of the reserves policy and objectives of achieving:

1. Long-term capital growth to ensure the future sustainability of the Society;
2. An option to draw down cash from the investments to support the activities of the Society by:-
    a. providing financial support for meetings and conferences;
    b. providing financial support for journals when needed;
    c. providing monies for donations and awards;
    d. contributing to the cost of the administration needed to support the Society's activities.

The principal funding sources for the Society are the income conferences and from the publication of journals and books.

RESERVES POLICY

The trustees consider that reserves in the region of six months provide sufficient funds and the Society's balance sheet net current assets are in excess of this figure.

PLANS FOR THE FUTURE

Our plan to bid to host one major international conference has now been extended to two such events. The bid for one event was postponed to October 2021.

The Society has focused plans to celebrate our 150th Anniversary by planning a significant 'outreach' programme, to be fully in place by 2026. Other plans include special issues of journals, a cross-Society conference and more.

STRUCTURE, GOVERNANCE AND MANAGEMENT

The Society is an unincorporated body and its legal status is as a charity under UK Law, Registered Charity Number 233706. Its governing document is its Bye-Laws. The Society, a membership organization, includes Honorary Fellows, Fellows, Members, Honorary Members, Life Members, Life Fellows, Emeritus Members, Emeritus Fellows, Honorary Life Fellows and Student Members who are elected as prescribed by the Bye-Laws of the Society. All members of the Society are eligible for membership of eight special interest groups. The Society is governed by a Council consisting of a President, a General Secretary, a Treasurer, a Publications Manager, a Public Relations Officer, the Principal Editors of *Mineralogical Magazine* and *Clay Minerals* and up to 13

ordinary members. Two Vice-Presidents are nominated from among the elected Council members. Council members are proposed by four Members of the Society and elected by the Council except in cases where an election is required. The administration of the Society is undertaken by staff from its General Office in Twickenham, which is under the supervision of the Executive Director.

The Society has eight special interest groups, each managed by a committee. The eight groups are: the Applied Mineralogy Group, the Clay Minerals Group, the Environmental Mineralogy Group, the Geochemistry Group, the Geomicrobiology Network, the Metamorphic Studies Group, the Mineral Physics Group, and the Volcanic & Magmatic Studies Group. The Geochemistry Group, the Metamorphic Studies Group and the Volcanic & Magmatic Studies Group are joint Groups with the Geological Society of London with which a formal Memorandum of Understanding was signed in 2001 covering a number of areas for co-operation.

Restricted Fund – Sustaining Membership Fund

£1,934 was raised from the members towards the sustaining membership fund. This fund was formally established on 1 January 2010. The money is ring-fenced with 90% invested so that the fund can grow and eventually become self-sustaining. The other 10% is used to subsidize the free student memberships and bursaries.

Restricted Fund; the Willy Aspinall Prize Fund

This fund was established by the Volcanic & Magmatic Studies Group during early 2017.The Society manages the restricted fund; it is expected that £800 per year will be disbursed from the fund, ~£400 as a cash award and ~£400 to attend the annual VMSG meeting. The award will be made each year to the lead author of an outstanding paper on applied volcanology published (in English) within three years of the lead author being awarded a PhD at a University in the UK. The prize is named in honour of Prof. Willy Aspinall, a distinguished professor at the University of Bristol and a hazard and risk science consultant.

Trustee Induction and Training

On election to the Council of the Mineralogical Society, an individual assumes a number of responsibilities. It is incumbent upon those new council members to familiarise themselves with their new responsibilities. This is achieved by reading the Society's Bye-Laws thoroughly as well as reading the Charity Commission Document on the 'Responsibilities of a charity trustee'. Trustees are reminded that they are accountable in law for the good governance of the Society. The term of office for a Council Member is three years, meaning that there will be six Council Meetings during a term of office. Members are expected to attend all of these meetings. It is also taken that they have familiarised themselves with the paperwork circulated prior to these meetings and be prepared to contribute to the relevant discussions. Membership of any of the standing or *impromptu* subcommittees is encouraged and sometimes may be a more direct means of contributing to the development of the Society.

All newly elected officers managing trustees and Council Members need to confirm to the Executive Director that they have read and understood their responsibilities accordingly.

Committees

The Society has one formal administrative committee which meets regularly to discuss the running of the Society, i.e. its finance, publications, meetings etc., as well as all matters of policy. This is the Finance/Officers/Publications Committee, which includes the President, the General Secretary, the Treasurer, the Publications Manager, the Public Relations Officer, the Principal Editors of the two journals and three Custodian Trustees.

The governing body of the Society is the Council, which comprises the actual charity trustees of the Society, i.e. those who are legally responsible under charity law for the running of the organization. The Council includes the officers, the chairpersons or nominated representatives of the eight special interest groups, and six Fellows or Members who are elected to the position of ordinary member of Council.

Volunteers

In addition to those who volunteer to serve as members of the committees, there are other members who give of their time to benefit the Society and the subject by writing material for publication by the Society, editing such material, by organizing conferences, including short-courses, field trips etc. (for mineral scientists and for the public at large), and by offering expertise on areas such as web-site and database management, marketing, design, photography etc. Without such support, running of the Society would undoubtedly be less efficient.

Key Management Personnel Remuneration

Senior management personnel, to whom the trustees have delegated significant authority or responsibility in the day-to-day running of the charity, have their remuneration reviewed at the November meeting of council each year. The salaries are bench-marked occasionally against those of similar Learned Societies and with lists provided by organizations such as the Science Council (UK). Spine-point increases are provided in line with staff performance; cost-of-living increases are granted based on the Consumer Price Index (produced by the UK's Office for National Statistics). Both forms of increase depend on the financial health of the organization.

Website

The Society's website is located at www.minersoc.org and contains up-to-date information about the Society, its publications and its meetings. The website is managed and updated by the Executive Director.

Climate Change

As a scientific society, the Mineralogical Society takes responsibility for its carbon footprint seriously. Our Officers', Council and SIG committee meetings for the past couple of years have all been held remotely and this is likely to continue to a significant extent,

even in post-Covid-19 times. We also plan to make it possible for many of our scientific events to be attended virtually, avoiding, in particular, the need for air travel. We encourage all event organizers to avoid single-use cutlery and tableware.

Trustees' responsibilities in relation to the financial statements
The Charity trustees are responsible for preparing the Trustees' Annual Report and financial statements in accordance with applicable law and United Kingdom Accounting Standards (United Kingdom Generally Accepted Accounting Practice).

The law applicable to charities in England and Wales requires the charity trustees to prepare financial statements for each year which give a true and fair view of the state of affairs of the charity and of the incoming resources and application of resources, of the charity for that period. In preparing these financial statements, the trustees are required to:

- select suitable accounting policies and then apply them consistently;
- observe the methods and principles in the applicable Charities SORP
- make judgements and estimates that are reasonable and prudent;
- state whether applicable accounting standards have been followed, subject to any material departures that must be disclosed and explained in the financial statements;
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the charity will continue in business.

The trustees are responsible for keeping proper accounting records that disclose with reasonable accuracy at any time the financial position of the charity and enable them to ensure that the financial statements comply with the Charities Act 2011, the applicable Charities (Accounts and Reports) Regulations and the provisions of the bye laws. They are also responsible for safeguarding the assets of the charity and taking reasonable steps for the prevention and detection of fraud and other irregularities.
The trustees are responsible for the maintenance and integrity of the charity and financial information included on the charity's website in accordance with legislation in the United Kingdom governing the preparation and dissemination of financial statements.

Auditors
A resolution reappointing David M. Rees & Associates Limited as auditors will be put to the Annual General Meeting.

Approved by the trustees on 11/11/2021 **and signed on their behalf by:**

J. HARVEY
Treasurer

J. HORÁK
General Secretary

12 Baylis Mews
Amyand Park Road
Twickenham
Middlesex TW1 3HQ

INDEPENDENT AUDITOR'S REPORT TO THE TRUSTEES' OF MINERALOGICAL SOCIETY OF GREAT BRITAIN AND IRELAND

Opinion

We have audited the financial statements of the Mineralogical Society of Great Britain and Ireland for the year ended 30 June 2021 which comprise the Statements of Financial Activities, the Balance Sheet, and the related notes to the financial statements, including significant accounting policies. The financial reporting framework that has been applied in their preparation is applicable law and United Kingdom Accounting Standards, including Financial Reporting Standard 102 *The Financial Reporting Standard applicable in the UK and Republic of Ireland* (United Kingdom Generally Accepted Accounting Practice).
In our opinion the financial statements:

- give a true and fair view of the state of the charity's affairs as at 30 June 2021, and of its incoming resources and application of resources, including its income and expenditure, for the year then ended;
- have been properly prepared in accordance with United Kingdom Generally Accepted Accounting Practice; and
- have been prepared in accordance with the requirements of the Charities Act 2011.

Basis for opinion

We conducted our audit in accordance with International Standards on Auditing (UK) (ISAs (UK)) and applicable law. Our responsibilities under those standards are further described in the Auditor's responsibilities for the audit of the financial statements section of our report. We are independent of the charity in accordance with the ethical requirements that are relevant to our audit of the financial statements in the UK, including the FRC's Ethical Standard, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Conclusions relating to going concern

In auditing the financial statements, we have concluded that the trustees' use of the going concern basis of accounting in the preparation of the financial statements is appropriate.

Based on the work we have performed, we have not identified any material uncertainties relating to events or conditions that, individually or collectively, may cast significant doubt on the charity's ability to continue as a going concern for a period of at least twelve months from when the financial statements are authorised for issue.

Our responsibilities and the responsibilities of the trustees with respect to going concern are described in the relevant sections of this report.

Other information

The other information comprises the information included in the trustees annual report, other than the financial statements and our auditor's report thereon. The trustees are responsible for the other information contained within the annual report. Our opinion on the financial statements does not cover the other information and, except to the extent otherwise explicitly stated in our report, we do not express any form of assurance conclusion thereon.

Our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the financial statements or our knowledge obtained in the course of the audit or otherwise appears to be materially misstated. If we identify such material inconsistencies or apparent material misstatements, we are required to determine whether this gives rise to a material misstatement in the financial statements themselves. If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact.

We have nothing to report in this regard.

Matters on which we are required to report by exception

We have nothing to report in respect of the following matters in relation to which the Charities (Accounts and Reports) Regulations 2008 require us to report to you if, in our opinion:

- the information given in the financial statements is inconsistent in any material respect with the trustees' report; or
- the charity has not kept adequate accounting records; or
- the financial statements are not in agreement with the accounting records and returns; or
- we have not received all the information and explanations we require for our audit.

Responsibilities of trustees
As explained more fully in the trustees' responsibilities statement set out on page 12, the trustees are responsible for the preparation of the financial statements and for being satisfied that they give a true and fair view, and for such internal control as the trustees determine is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, the trustees are responsible for assessing the charity's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the trustees either intend to liquidate the charity or to cease operations, or have no realistic alternative but to do so.

Auditor's responsibilities for the audit of the financial statements
We have been appointed as auditor under section 144 of the Charities Act 2011 and report in accordance with regulations made under section 154 of that Act.

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with ISAs (UK) will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

Irregularities, including fraud, are instances of non-compliance with laws and regulations. We design procedures in line with our responsibilities, outlined above, to detect material misstatements in respect of irregularities, including fraud.

Because of the inherent limitations of an audit, there is a risk that we will not detect all irregularities, including those leading to a material misstatement in the financial statements or non-compliance with regulation. This risk increases the more that compliance with a law or regulation is removed from the events and transactions reflected in the financial statements, as we will be less likely to become aware of instances of non-compliance. The risk is also greater regarding irregularities occurring due to fraud rather than error, as fraud involves intentional concealment, forgery, collusion, omission or misrepresentation.

A further description of our responsibilities is available on the Financial Reporting Council's website at: https://www.frc.org.uk/Our-Work/Audit/Audit-and-assurance/Standards-and-guidance/Standards-and-guidance-for-auditors/Auditors-responsibilities-for-audit/Description-of-auditors-responsibilities-for-audit.aspx. This description forms part of our auditor's report.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

Use of our report
This report is made solely to the charity's trustees, as a body, in accordance with Part 4 of the Charities (Accounts and Reports) Regulations 2008. Our audit work has been undertaken so that we might state to the charity's trustees those matters we are required to state to them in an auditor's report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the charity and the charity's trustees as a body, for our audit work, for this report, or for the opinions we have formed.

Sharan C. Rees FCA
Statutory Auditor

David M. Rees Associates Limited

WELL COTTAGE
CUCUMBER LANE
ESSENDON
HERTFORDSHIRE AL9 6JB

DAVID M. REES & ASSOCIATES LIMITED
Chartered Accountants and Statutory Auditors

DATED 29 November 2021

DAVID M. REES & ASSOCIATES LIMITED is eligible to act as an auditor in terms of Section 1212 of the Companies Act 2006

MINERALOGICAL SOCIETY OF GREAT BRITAIN AND IRELAND
RESTRICTED FUNDS
STATEMENT OF FINANCIAL ACTIVITIES FOR THE YEAR ENDED 30 JUNE 2021

		2021			
	Notes	Sustaining Membership	Willy Aspinall Prize	Total	2020
Income		£	£	£	£
Donations	4	1,934	-	1,934	1,292
Investment Income	5	13	6	19	111
Income from Charitable Activities					
Support by General Fund		2,657	-	2,657	2,385
TOTAL Income		4,604	6	4,610	3,788
Expenditure					
Expenditure on Charitable Activities					
Student Membership		2,850	-	2,850	2,508
Award		-	400	400	-
TOTAL Expenditure		2,850	400	3,250	2,508
Net Income and Net Movement in Funds for the Year		1,754	-394	1,360	1,280

Sustaining membership fund
This fund was formally established on 1 January 2010. The money is ring-fenced with 90% invested so that the fund can grow and eventually become self-sustaining. The other 10% is used to subsidise the free student memberships and bursaries.

Willy Aspinall Prize Fund
The Volcanic and Magmatic Studies Willy Aspinall Prize is a restricted fund established on 8 May 2017 to make an annual award for an outstanding paper in applied volcanology published within three years of the author being awarded a PhD.

CONSOLIDATED STATEMENT OF FINANCIAL ACTIVITIES

		30 JUNE 2021			
	Notes	Unrestricted Funds	Restricted Funds	Total Funds	2020
		£	£	£	£
Total Income		246,131	4,610	250,741	326,423
Total Expenditure		-228,469	-3,250	231,719	-303,855
Net Income and Net Movement in Funds before Gains and Losses on Investments		17,662	1,360	19,022	22,568
Surplus on revaluation of freehold property	8	-	-	-	20,000
Net Gains (Losses) on Investments	9	103,157	-	103,157	-24,499
Net Movement in Funds		120,819	1,360	122,179	18,069
Total Funds 1 July 2020		1,295,074	26,241	1,321,315	1,303,246
Total Funds 30 June 2021		1,415,893	27,601	1,443,494	1,321,315

MINERALOGICAL SOCIETY OF GREAT BRITAIN AND IRELAND
UNRESTRICTED FUNDS
STATEMENT OF FINANCIAL ACTIVITIES FOR THE YEAR ENDED 30 JUNE 2021

	Notes	2021		2020	
		£	£	£	£
Income					
Donations and Legacies	4		2,250		2,250
Investment Income	5		16,557		25,657
Income from Charitable Activities					
Members' Subscriptions			33,262		33,695
Gift Aid			836		897
Conference and Meetings Income			2,507		30,464
Cambridge University Press			171,122		167,200
Publications Income					
Mineralogical Magazine		21		27	
Clay Minerals		60		511	
Book Publishing		19,274	19,355	26,729	27,267
Special Interest Groups Income (Page 17)		16,242		51,205	
Less: Allocation from Mineralogical Society		-16,000	242	-16,000	35,205
TOTAL Income			246,131		322,635
Expenditure					
Contribution to Sustaining Membership Fund			2,657		2,385
Expenditure on Charitable Activities					
Subscriptions			2,195		1,902
Journals Expenditure					
Elements			5,892		7,825
Conference and Meetings Expenditure			652		29,189
Mineralogical Society Medals			3,700		302
Distinguished Lecturer and Future of the Society			801		680
Journal Editorial Costs			35,592		33,022
Publications Expenditure					
Book Publishing			7,286		13,891
Travel Bursaries			651		54
Special Interest Groups Expenditure (Page 17)			4,579		47,687
Office Expenses	6		111,053		107,991
Support Costs	7		52,930		56,066
Depreciation	8		481		353
TOTAL Expenditure			228,469		301,347

MINERALOGICAL SOCIETY OF GREAT BRITAIN AND IRELAND
GROUPS STATEMENTS OF FINANCIAL ACTIVITIES FOR THE YEAR ENDED 30 JUNE 2021

	Income				Expenditure					
Groups	From General Fund	Bank Interest - Note 5	Meetings and Conferences	Total Income	Meetings and Conferences	Meetings and Conferences Support and Donations	Bursaries and Student Awards	Committee Travel and General expenses	Total Expenditure	Net Income (Expenditure)
	£	£	£	£	£	£	£	£	£	£
Applied Mineralogy	2,000	8	90	2,098						2,098
Clay Minerals	2,000	21		2,021				588	588	1,433
Environmental Mineralogy	2,000		90	2,090						2,090
Geochemistry	2,000	3		2,003		152	50		202	1,801
Geomicrobiology Network	2,000	4		2,004						2,004
Metamorphic Studies	2,000	5		2,005	380		199	25	604	1,401
Mineral Physics	2,000	4		2,004		100	1,200		1,300	704
Volcanic & Magmatic Studies	2,000	17		2,017	90	152	1,234	409	1,885	132
	16,000	62	180	16,242	470	404	2,683	1,022	4,579	11,663

GROUPS STATEMENTS OF FINANCIAL ACTIVITIES FOR THE YEAR ENDED 30 JUNE 2020

	Income				Expenditure					
Groups	From General Fund	Bank Interest - Note 5	Meetings and Conferences	Total Income	Meetings and Conferences	Meetings and Conferences Support and Donations	Bursaries and Student Awards	Committee Travel and General expenses	Total Expenditure	Net Income (Expenditure)
	£	£	£	£	£	£	£	£	£	£
Applied Mineralogy	2,000	15		2,015		500	50		550	1,465
Clay Minerals	2,000	27		2,027	2,709		450	253	3,412	-1,385
Environmental Mineralogy	2,000	4		2,004			550	333	883	1,121
Geochemistry	2,000	10	7,665	9,675	6,197		4,200	218	10,615	-940
Geomicrobiology Network	2,000	12		2,012	925		163		1,088	924
Metamorphic Studies	2,000	11	250	2,261		35	225		260	2,001
Mineral Physics	2,000	11		2,011		-746	981		235	1,776
Volcanic & Magmatic Studies	2,000	20	27,180	29,200	23,120	894	3,622	3,008	30,644	-1,444
	16,000	110	35,095	51,205	32,951	683	10,241	3,812	47,687	3,518

MINERALOGICAL SOCIETY OF GREAT BRITAIN AND IRELAND
BALANCE SHEET AT 30 JUNE 2021

	Notes	2021		2020	
FIXED ASSETS		£	£	£	£
Tangible Assets	8		345,371		345,297
Investments	9		844,451		729,460
Total Fixed Assets			1,189,822		1,074,757
CURRENT ASSETS					
Stock		-		491	
Debtors	10	18,052		7,689	
Cash at Bank and in Hand	11	342,492		334,110	
Total Current Assets		360,544		342,290	
LIABILITIES					
Creditors: Amounts Falling					
Due Within One Year	12	-106,872		-95,732	
Total Assets Less Current Liabilities			253,672		246,558
NET ASSETS			1,443,494		1,321,315
The Funds of the Charity:					
Unrestricted Income Funds			1,415,893		1,295,074
Restricted Income Funds - Sustaining Membership Fund		15,370		13,616	
- Willy Aspinall Prize Fund		12,231	27,601	12,625	26,241
TOTAL CHARITY FUNDS			1,443,494		1,321,315

Signed on behalf of the Trustees

J. LLOYD
PRESIDENT

Approved by the Trustees on the 11th November 2021

Charity Number 233706

MINERALOGICAL SOCIETY OF GREAT BRITAIN AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2021

1. ACCOUNTING POLICIES

a. **Basis of preparation and assessment of going concern**

The Mineralogical Society constitutes a public benefit entity as defined by FRS 102.
The financial statements have been prepared in accordance with Accounting and Reporting by Charities: Statement of Recommended Practice applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the United Kingdom and Republic of Ireland issued in October 2019, the Financial Reporting Standard applicable in the United Kingdom and Republic of Ireland (FRS 102), the Charities Act 2011 and UK Generally Accepted Accounting Practice.

The financial statements are prepared on a going concern basis under the historical cost convention, modified to include certain items at fair value. The financial statements are presented in Sterling which is the functional currency of the Charity.
The trustees consider that there are no material uncertainties about the Mineralogical Society's ability to continue as a going concern. The most significant areas of uncertainty that affect the carrying value of assets held by the Mineralogical Society are the level of investment return and the performance of investment markets.

The significant accounting policies applied in the preparation of these financial statements are set out below.

b. **Funds Structure**

Unrestricted funds are available for use at the discretion of the trustees in furtherance of the general objectives of the Charity and which have not been designated for other purposes.
Restricted funds are funds which are to be used in accordance with specific restrictions imposed by donors or which have been raised by the Charity for particular purposes. The aim and use of each restricted fund is set out on the statement of financial activities.

c. **Income recognition**

Voluntary Income - Donations are accounted for when received. Legacies are accounted for on entitlement.
Investment Income - Income from investments is accounted for on a receivable basis.
Members' subscriptions Income - Members' subscriptions are payable in advance on the 1 January each year and are accounted for in the period in which they are received.
During the year ended 30 June 2021 the Society had a net increase of 12 members.
At the 30 June 2021 there were 784 Members being 18 Honorary Life Fellows, 14 Honorary Fellows, 65 Life Members, 675 Fellows and Members and 12 Emeritus Members. These figures do not include 150 Student Members who are receiving free membership to the society for one year.
Conference and meetings income - Income from conferences and meetings are accounted for when the meeting has been held.
Cambridge University Press - Income from Cambridge University Press is accounted for on a prepayment basis as the guaranteed amount is received in advance for the calendar year.
Publications Income - Income from publications are accounted for on a receivable basis.

d. **Expenditure recognition**

Liabilities are recognised as expenditure as soon as there is a legal or constructive obligation committing the Charity to that expenditure, it is probable that settlement will be required and the amount of the obligation can be measured reliably. Any expected loss from a future conference or meeting is provided for as a liability.
All expenditure is accounted for on an accruals basis. All expenses including support cost and governance cost are allocated or apportioned to the applicable expenditure headings.

e. **Allocation of support and governance costs**

Governance costs comprise all costs involving the public accountability of the charity and its compliance with regulation and good practice. These costs include costs related to statutory audit and legal fees together with an apportionment of overhead and support costs as analysed in notes 6 and 7.

MINERALOGICAL SOCIETY OF GREAT BRITAIN AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2021

f. **Foreign currencies**
Monetary assets and liabilities in foreign currencies are translated into sterling at the rates of exchange ruling at the balance sheet date. Transactions in foreign currencies are translated into sterling at the rate of exchange ruling at the date of the transaction. Exchange differences are taken into account in arriving at the increase or decrease in funds.

g. **Tangible Fixed Assets for use by the Charity and Depreciation**
Tangible fixed assets are stated at cost less accumulated depreciation other than freehold land and buildings which are stated at valuation. Depreciation is provided on tangible fixed assets at rates calculated to write off the cost, less the estimated residual value of each asset over its estimated life using the straight line method at annual rates as follows:- Office Furniture and Equipment 25%. Computers 33.33%.

The Charity has adopted a revaluation policy in respect of the freehold land and buildings that will be revalued every five years. The fair value of land and buildings is determined from market based evidence by appraisal undertaken by a professionally qualified valuer.

Revaluation gains and losses are recognised in the Statement of Financial Activities.

h. **Stock**
Stock of EMU Notes in Mineralogy series volumes 8 to 20 (2020 - 8 to 19) have not been valued in these financial statements as although these are actively being marketed under a memorandum of understanding between the Mineralogical Society of Great Britain and Ireland and the European Mineralogical Union, sales have been lower than anticipated.

Stock of EMU Notes in Mineralogy series volume 20 for 2020 are stated at the lower of cost and estimated selling price (net realisable value). Costs comprise direct production costs.

When stocks are sold, the carrying amount of those stocks is recognised as an expense in the period in which the related revenue is recognised. The amount of any reversal of any write-down of stocks is recognised as a reduction in the amount of stocks recognised as an expense in the period in which the reversal occurs.

Other stocks of publications arise as a result of surplus copies being printed to those required. No value has been placed on stocks of these publications in these financial statements.

i. **Fixed asset investments**
Investments are a form of basic financial instrument and are initially recognised at their transaction value and subsequently measured at their fair value as at the balance sheet date using the closing quoted market price. The statement of financial activities includes the net gains and losses arising on revaluation and disposals throughout the year.

The Trust does not acquire put options, derivatives or other complex financial instruments.

The main form of financial risk faced by the charity is that of volatility in equity markets and investment markets due to wider economic conditions, the attitude of investors to investment risk, and changes in sentiment concerning equities and within particular sectors or sub sectors.

j. **Realised gains and losses**
All gains and losses are taken to the Statement of Financial Activities as they arise. Realised gains and losses on investments are calculated as the difference between sales proceeds and their opening carrying value or their purchase value if acquired subsequent to the first day of the financial year. Unrealised gains and losses are calculated as the difference between the fair value at the year end and their carrying value. Realised and unrealised investment gains and losses are combined in the Statement of Financial Activities.

MINERALOGICAL SOCIETY OF GREAT BRITAIN AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2021

k. **Pension Costs**
Contributions in respect of the Charity's defined contribution schemes are charged to the statement of financial activities for the year in which they are payable to the pension schemes.

l. **Library**
The Society's library is currently held at Kingston University and is available to Members for their use. No value is placed on the library in these financial statements.

2. **a. Auditors remuneration**
The auditor's remuneration constituted an audit fee of £5328 (2020 - £6,176) and additional advisory work and accountancy of £8441 (2020 - £9,395).

b. Analysis of staff costs	**2021** £	**2020** £
Remuneration	146,855	139,329
National Insurance	2,144	2,997
Life Assurance	1,609	1,414
Pension Costs	5,678	5,125
TOTAL	156,286	148,865

The average monthly headcount was 6 staff (2020 - 6) and the average monthly number of full-time equivalent employees (including part time staff) during the year was as follows:-

	2021	**2020**
Publishing	2	2
Office Staff	2	2
Total	4	4

One employee had employee benefits that fell within the band £60,000 - £69,999 (2020 - One)
All employee time is involved in providing either support to the governance of the charity or support services to the charitable activities.

c. Key management compensation	**2021** £ Salary	**2021** £ Pension	**2020** £ Salary	**2020** £ Pension
Executive Director	67,640	-	64,762	-
Finance and Operations Manager	47,872	4,012	47,235	3,750

In addition to the above, national insurance contributions totalled £1060 (2020 - £2,295)

3. ALLOCATIONS TO GROUPS by General Fund
An allocation is made to eight special interest groups of £16,000 for the year (2020 - £16,000).

4. VOLUNTARY INCOME - Donations	**Page**	**2021** £	**2020** £
Sustaining Membership Restricted Fund	15	1,934	1,292
General Fund - Geological Society	16	2,250	2,250

MINERALOGICAL SOCIETY OF GREAT BRITAIN AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2021

5. INVESTMENT INCOME

	2021	2020
Dividends and Interest	£	£
Unrestricted Funds	16,557	25,657
Restricted Funds	19	111
Individual Groups	62	110
	16,638	25,878
Interest on Cash Deposits	155	436
On Listed Investments	16,483	25,442
	16,638	25,878

6. OFFICE EXPENSES The breakdown of office costs and how these are allocated between Governance and Charitable Activities is shown below:-

	2021	2020
	£	£
Office Staff Remuneration	123,025	119,248
Office Staff Remuneration Recovered	-1,424	-6,932
	121,601	112,316
Office Staff Expenses	-	2,257
Rent, Rates and House Expenses	4,252	5,719
Printing, Stationery, Maintenance of Office Machines	1,678	2,981
Insurance	1,446	2,564
Postage, Telephone and Computer	13,859	12,877
Bank and Credit Card Charges	3,231	3,305
Miscellaneous Expenses	55	75
	24,521	29,778
	146,122	142,094

Allocation as follows:-

	2021	2020		
	%	%	£	£
Charitable Activities	76	76	111,053	107,991
Governance and Support Costs (Note 7)	24	24	35,069	34,103
	100	100	146,122	142,094

Allocation is calculated on the basis of staff time, cost and office usage.

7. SUPPORT COSTS

	2021	2020
	£	£
Governance and Support Costs		
Office Expenses 24% (2020 - 24%) (see note 6)	35,069	34,103
Business Meetings Expenses (Travel)	4	2,378
Investment Charges	4,060	3,714
Auditor's Remuneration	13,769	15,571
Professional Fees	28	300
Total Allocated	52,930	56,066

MINERALOGICAL SOCIETY OF GREAT BRITAIN AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2021

8. TANGIBLE FIXED ASSETS for use by the Charity

	Page	Computers Office and Equipment	Freehold Land and Buildings	Total
Cost or Valuations		£	£	£
1 July 2020		35,078	345,000	380,078
Additions		555	-	555
Disposals	15	-11,691	-	-11,691
30 June 2021		23,942	345,000	368,942
Depreciation				
1 July 2020		34,781	-	34,781
Charge for Year		481	-	481
Disposals		-11,691	-	-11,691
30 June 2021		23,571	-	23,571
Net Book Value				
30 June 2021		371	345,000	345,371
30 June 2020		297	345,000	345,297

The freehold land and buildings were valued on the 17 September 2019 by Michael P Martin of Milestone Commercial Agency Ltd, at an open market value at £345,000. Open market value is considered to represent the fair value. The original cost of the freehold land and buildings acquired on 24 November 2006 was £358,978.

The Trustees consider that there are no indications of an impairment to the market value at 30 June 2021 since the valuation on 17 September 2019 and that the open market value continues to represent the fair value.

9. FIXED ASSET INVESTMENTS

Movement in Fixed Asset Listed Investments	Page	2021	2020
		£	£
Market value brought forward at 1 July 2020		729,460	754,392
Add: Additions to Investments at Cost		223,490	262,771
Cash Retained (Reinvested)		8,990	13,396
Disposals at Carrying Value		-220,646	-276,600
Add: Net Gains (Losses) on Sales and Net Gains (Losses) on Revaluations	15	103,157	-24,499
Market Value at 30 June 2021		844,451	729,460

Investments at fair value Comprised:	Original Cost 2020	Original Cost 2021	Fair Value 2021	Fair Value 2020
U.K. Investments	£	£	£	£
UK Equities	183,317	166,962	185,042	164,503
UK Bonds	108,088	96,202	112,002	120,358
Multi Asset Funds	16,934	22,836	30,314	22,442
Property	81,538	81,538	84,806	84,057
Others	47,126	57,877	57,847	46,242
Cash	10,940	7,114	7,114	10,940
International Equities Investments	229,107	277,733	345,981	270,383
Non UK Bonds	10,372	22,491	21,345	10,535
TOTAL	687,422	732,753	844,451	729,460

MINERALOGICAL SOCIETY OF GREAT BRITAIN AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2021

9. FIXED ASSET INVESTMENTS continued

All investments are carried at their fair value. Investments in equities and fixed interest securities are all traded in quoted public markets, primarily the London Stock Exchange. The basis of fair value for quoted investments is equivalent to the market value, using the bid price. Asset sales and purchases are recognised at the date of trade at cost (that is their transaction value).

10. DEBTORS

	2021	2020
	£	£
HM Revenue & Customs VAT	-	87
Other Debtors and Prepayments	14,052	2,399
Conferences	-	1,258
Publications	4,000	3,945
	18,052	7,689

11. CASH AT BANK AND IN HAND

		2021	2020
		£	£
Applied Mineralogy Group		19,585	17,487
Clay Minerals Group		40,395	38,962
Environmental Mineralogy Group		5,945	3,855
Geochemistry Group		10,973	9,222
Geomicrobiology Network		13,931	11,927
Metamorphic Studies Group		13,261	11,911
Mineral Physics Group		12,923	12,219
Volcanic & Magmatic Studies Group		31,834	31,702
		148,847	137,285
Group Monies on	Reserve Account	58,847	47,285
	Deposit Account	90,000	90,000
		148,847	137,285
Sustaining Members	Reserve Account	13,629	12,453
Willy Aspinal	Reserve Account	12,232	12,625
		25,861	25,078
Mineralogical Society	Current Account	132,784	136,747
	Reserve Account	5,000	5,000
	Deposit Account	30,000	30,000
		167,784	171,747
Total Cash at Bank		342,492	334,110

12. CREDITORS AMOUNTS FALLING DUE WITHIN ONE YEAR

	2021	2020
Publications	£	£
Cambridge University Press	55,439	54,463
DHZIII	1,510	1,301
Geoscience World	9,656	9,656
Conferences	201	1,950
HM Revenue & Customs VAT	9,648	11,560
Other Creditors	19,460	5,348
Accruals	10,958	11,454
	106,872	95,732

MINERALOGICAL SOCIETY OF GREAT BRITAIN AND IRELAND
NOTES TO THE FINANCIAL STATEMENTS AT 30 JUNE 2021

13. TAXATION

The Mineralogical Society is a registered charity and is not subject to taxation on any excess of Income over expenditure.

14. COMMITMENTS

a) Pension Commitments

The Society operates a defined contribution pension scheme on behalf of its employees. The Society also operates a defined contribution Automatic Enrolment pension scheme on behalf of the employees. The assets of the schemes are held separately from those of the Society in independently administered funds. The annual pension commitment under these schemes are for contributions of 2 x the employees gross contribution, up to a maximum Society contribution of 10%, either to a defined contribution pension schem or to an automatic enrolment pension scheme.

b) Other Financial Commitments

The Society is committed to support conferences, pay travel costs for mineralogists in future years and produce publications. The anticipated annual cost of this commitment is £36,000 (2020 - £32,000).

The Society had no capital commitments on 30 June 2021 (2020 - Nil).

15. REMUNERATION AND EXPENSES PAID TO TRUSTEES

Editorial expenses include remuneration paid to Trustees of:-	2021	2020
	£	£
G.E. Christidis	5,912	5,912
S. Mills	3,944	3,873
R.H. Mitchell	4,000	4,000

In addition £- (2020 - £1915) is reimbursed to no (2020 - ten) trustees for travelling and accommodation expenses.

16. RELATED PARTY TRANSACTIONS

No trustee had any personal interest in any contract or transaction entered into by the charity in the year.

17. PRIOR YEAR COMPARATIVE FIGURES FOR THE FINANCIAL STATEMENTS

CONSOLIDATED STATEMENT OF FINANCIAL ACTIVITIES

	30 JUNE 2020		
	Unrestricted Funds	Restricted Funds	Total Funds
	£	£	£
Total Income	322,635	3,788	326,423
Total Expenditure	-301,347	-2,508	-303,855
Net Income and Net Movement in Funds before Gains and Losses on Investments	21,288	1,280	22,568
Surplus on revaluation of freehold property	20,000	-	20,000
Net (Losses) Gains on Investments	-24,499	-	-24,499
Net Movement in Funds	16,789	1,280	18,069
Total Funds 1 July 2019	1,278,285	24,961	1,303,246
Total Funds 30 June 2020	1,295,074	26,241	1,321,315