

**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**  
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**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. Howell
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	<a href="http://www.minersoc.org">www.minersoc.org</a>
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 Crystallographical 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 30<sup>th</sup> 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 1<sup>st</sup> 2022 and June 30<sup>th</sup> 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 1<sup>st</sup> 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 60<sup>th</sup> 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 4<sup>th</sup> to 6<sup>th</sup> 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 31<sup>st</sup> 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), 23<sup>rd</sup> 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), 21<sup>st</sup> 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, Schleiereth 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 Mishaël (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 15<sup>th</sup> of October, 15<sup>th</sup> of January and 15<sup>th</sup> 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 18<sup>th</sup> to the 20<sup>th</sup> 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 6<sup>th</sup> July 2022, 28<sup>th</sup> September 2022, 12<sup>th</sup> December 2022, 13<sup>th</sup> February 2023, 12<sup>th</sup> April 2023 and 7<sup>th</sup> 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**

Alessandro 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 37<sup>th</sup> 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 at the School of Earth Sciences, University of Bristol on the 4<sup>th</sup> and 5<sup>th</sup> of September. 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 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 60<sup>th</sup> 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 4<sup>th</sup> to the 6<sup>th</sup> of January 2023, with the conference dinner held on the 5<sup>th</sup> 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 7<sup>th</sup>. 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=PLTQB1DrZpoVxyX6qvBL4RpD31klaOnLmV>

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 30<sup>th</sup> 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 30<sup>th</sup> 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 30<sup>th</sup> 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 30<sup>th</sup> 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 30<sup>th</sup> 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	130,898.00		
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 30<sup>th</sup> 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 1<sup>st</sup> 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](http://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*

WELL COTTAGE  
CUCUMBER LANE  
ESSENDON  
HERTFORDSHIRE AL9 6JB

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

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**

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

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

The notes on pages 25 to 31 form part of these financial statements

**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
<b>Income from Charitable Activities</b>			
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	-16,000
Miscellaneous Income		150	
<b>TOTAL Income</b>		<b>323,580</b>	<b>248,407</b>
<b>Expenditure</b>			
Contribution to Sustaining Membership Fund		2,703	2,654
<b>Expenditure on Charitable Activities</b>			
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	-2,352
Office Expenses	6	114,211	111,480
Support Costs	7	52,958	54,532
Depreciation	8	799	729
Miscellaneous expenditure		-	1,583
<b>TOTAL Expenditure</b>		<b>309,425</b>	<b>266,531</b>

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

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

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

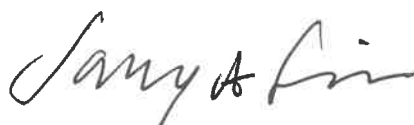
Groups	Income			Expenditure							Net Income (Expenditure) £		
	From General Fund	Bank Interest - Note 5	£	Meetings and Conferences	£	Donations Received Note 4	£	Meetings and Conferences and Support and Donations		Bursaries and Student Awards		Committee Travel and General expenses	Total Expenditure £
								£	£				
Applied Mineralogy	2,000	9								400		400	1,609
Clay Minerals	2,000	23		1,753				4,798		100	268	5,166	-1,390
Environmental Mineralogy	2,000	1								2,000	36	2,036	-35
Geochemistry	2,000	4		13,161				8,621	900	3,534	77	13,132	2,033
Geomicrobiology Network	2,000	6											2,006
Metamorphic Studies	2,000	6							79	1,916	103	2,098	-92
Mineral Physics	2,000	6								800		800	1,206
Volcanic & Magmatic Studies	2,000	19		7,553				1,900		1,740	651	4,291	5,281
	16,000	74		22,467				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
		£	£
<b>FIXED ASSETS</b>			
Tangible Assets	8	345,837	345,970
Investments	9	<u>837,541</u>	<u>829,879</u>
Total Fixed Assets		1,183,378	1,175,849
<b>CURRENT ASSETS</b>			
Debtors	10	22,182	16,691
Cash at Bank and in Hand	11	<u>287,687</u>	<u>314,767</u>
Total Current Assets		309,869	331,458
<b>LIABILITIES</b>			
Creditors: Amounts Falling			
Due Within One Year	12	<u>-87,037</u>	<u>-107,144</u>
Total Assets Less Current Liabilities		<u>222,832</u>	<u>224,314</u>
<b>NET ASSETS</b>		<u><u>1,406,210</u></u>	<u><u>1,400,163</u></u>
<b>The Funds of the Charity:</b>			
Unrestricted Income Funds		1,375,681	1,370,750
Restricted Income Funds - Sustaining Membership Fund	18,734		17,166
- Willy Aspinall Prize Fund	<u>11,795</u>	<u>30,529</u>	<u>12,247</u>
<b>TOTAL CHARITY FUNDS</b>		<u><u>1,406,210</u></u>	<u><u>1,400,163</u></u>

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**

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

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:-	<b>2023</b>	<b>2022</b>
Publishing	2.5	2.5
Office Staff	<u>2</u>	<u>2</u>
Total	<u>4.5</u>	<u>4.5</u>

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.

	<b>2023</b>	<b>2023</b>	<b>2022</b>	<b>2022</b>
	£	£	£	£
<b>c. Key management compensation</b>				
	Salary	Pension	Salary	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).

	<b>Page</b>	<b>2023</b>	<b>2022</b>
		£	£
<b>4. VOLUNTARY INCOME - Donations</b>			
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		<u>400</u>	
		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		<u>500</u>	
		5,400	11,550

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

<b>5. INVESTMENT INCOME</b>	<b>2023</b>	<b>2022</b>
Dividends and Interest	£	£
Unrestricted Funds	22,775	17,696
Restricted Funds	359	47
Individual Groups	570	74
	<u>23,704</u>	<u>17,817</u>
 Interest on Cash Deposits	 1,113	 223
On Listed Investments	22,591	17,594
	<u>23,704</u>	<u>17,817</u>

<b>6. OFFICE EXPENSES</b> The breakdown of office costs and how these are allocated between Governance and Charitable Activities is shown below:-	<b>2023</b>	<b>2022</b>
	£	£
Office Staff Remuneration	127,634	122,259
Reimbursement of staff expenses MDSG	-1,110	-933
	<u>126,524</u>	<u>121,326</u>
 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
	<u>23,753</u>	<u>25,358</u>
	<u>150,277</u>	<u>146,684</u>

<b>Allocation as follows:-</b>	<b>2023</b>	<b>2022</b>		
	%	%	£	£
Charitable Activities	76	76	114,211	111,480
Governance and Support Costs (Note 7)	<u>24</u>	<u>24</u>	<u>36,066</u>	<u>35,204</u>
	<u>100</u>	<u>100</u>	<u>150,277</u>	<u>146,684</u>

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

<b>7. SUPPORT COSTS</b>	<b>2023</b>	<b>2022</b>
	£	£
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	<u>52,958</u>	<u>54,532</u>

**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 £
<b>Cost or Valuations</b>				
1 July 2022		18,780	345,000	363,780
Additions		666		666
30 June 2023		<u>19,446</u>	<u>345,000</u>	<u>364,446</u>
<b>Depreciation</b>				
1 July 2022		17,810	-	17,810
Charge for Year		799		799
30 June 2023		<u>18,609</u>	<u>-</u>	<u>18,609</u>
<b>Net Book Value</b>				
30 June 2023	24	<u>837</u>	<u>345,000</u>	<u>345,837</u>
30 June 2022		<u>970</u>	<u>345,000</u>	<u>345,970</u>

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	<u>837,541</u>	<u>829,879</u>

	Original Cost 2022 £	Original Cost 2023 £	Fair Value 2023 £	Fair Value 2022 £
Investments at fair value				
Comprised:				
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
<b>TOTAL</b>	<u>762,291</u>	<u>789,110</u>	<u>837,541</u>	<u>829,879</u>

**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).

<b>10. DEBTORS</b>		<b>2023</b>	<b>2022</b>
		£	£
Other Debtors and Prepayments		13,219	12,687
Publications		2,000	4,004
Conferences		6,963	
		<u>22,182</u>	<u>16,691</u>
<b>11. CASH AT BANK AND IN HAND</b>		<b>2023</b>	<b>2022</b>
		£	£
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
		<u>159,703</u>	<u>157,970</u>
Group Monies on	Reserve Account	39,703	67,970
	Deposit Account	120,000	90,000
		<u>159,703</u>	<u>157,970</u>
Sustaining Members	Reserve Account	17,408	15,401
Willy Aspinall	Reserve Account	11,795	12,248
		<u>29,203</u>	<u>27,649</u>
Mineralogical Society	Current Account	93,781	94,148
	Reserve Account	5,000	5,000
	Deposit Account	0	30,000
		<u>98,781</u>	<u>129,148</u>
Total Cash at Bank		<u>287,687</u>	<u>314,767</u>
<b>12. CREDITORS AMOUNTS FALLING DUE WITHIN ONE YEAR</b>		<b>2023</b>	<b>2022</b>
		£	£
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
		<u>87,037</u>	<u>107,144</u>

**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**

	<b>2023</b>	<b>2022</b>
	£	£
Editorial expenses include remuneration paid to Trustees of:-		
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**

	<b>Unrestricted</b>	<b>Restricted</b>	<b>Total</b>
	<b>Funds</b>	<b>Funds</b>	<b>Funds</b>
	£	£	£
Total Income	248,407	4,662	253,069
Total Expenditure	-266,531	-2,850	-269,381
<b>Net Income and Net Movement in Funds</b>	<b>-18,124</b>	<b>1,812</b>	<b>-16,312</b>
<b>before Gains and Losses on Investments</b>			
Net Gains (Losses) on Investments	-27,019	-	-27,019
<b>Net Movement in Funds</b>	<b>-45,143</b>	<b>1,812</b>	<b>-43,331</b>
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