



**THE GEOLOGISTS' ASSOCIATION**  
**ANNUAL REPORT**  
**AND FINANCIAL STATEMENTS**  
**FOR THE YEAR ENDED 31 DECEMBER 2022**



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**Registered Charity No 233199**

**VAT Registration No 689 5297 59**



## **REPORT FROM TRUSTEES**

### **for the year ended 31<sup>st</sup> December 2022**

This report provides information concerning:

- **The Geologists' Association's objectives and how it fulfills its legal purposes**
- **The activities undertaken by The Geologists' Association**
- **The achievements of The Geologists' Association**

Since 1858, The Geologists' Association (GA) has served the interests of professional, amateur and citizen geologists, and made geology available to a wider public. The GA is a national organisation based in London, and is represented by Local Groups in 15 centres around the country; 73 (74 in 2021) other geologically related societies are affiliated with the GA in the furtherance of our common aims and objectives.

The GA's objectives are :-

- To promote the study of Geology and its allied sciences by holding Ordinary Meetings to hear lectures and encourage discussion among Members, and to arrange Field Meetings.
- To extend knowledge of the science by publication, by the maintenance of a library, and by such other means as the Council may from time to time determine.
- To promote interest in Geology at all levels of knowledge.
- To promote awareness of our geological heritage and to campaign on geo-conservation.

The GA kept in mind the Charity Commission's guidance on public benefit with its activities to pursue these objectives during 2022:

- Monthly Ordinary Meetings: held live and on-line via web conferencing communication technology; talks were by distinguished geologists, from home and overseas.
- The GA-Elsevier Annual Conference was a live event in Hull; the GA Student Symposium was held on-line; though Field Meetings were restricted due to Covid-19 restrictions, some live and on-line events did take place.
- No formal Festival of Geology took place.
- Financial support: primarily from Endowment Funds (such as the Curry Fund), was provided for Education, Geological Research and Geo-conservation projects.
- Geological research: was encouraged through financial support for postgraduate researchers, and by the publication of a scientific journal (Proceedings of the Geologists' Association), the quarterly GA Magazine, Geological Field Guides and Geology Today Magazine.
- Geo-conservation: Earth Heritage Magazine (twice yearly) was published on-line, free to the general public.
- Children's interests: were supported via Rockwatch, the junior club of the GA, and SchoolRocks! which provided geological teaching resources to both junior and secondary schools; there were some limitations due to Covid-19 restrictions.
- "Geolab": was available to provide theoretical and practical experience to members of the general public who had no previous experience of geology, but was limited by covid-19 restrictions.
- The website: provided a forum for information concerning the GAs' activities, including the GA lectures. "Geology from your Sofa" (GFYS) provided virtual field trips, lectures, geological courses, and news concerning the activities of the GA's Affiliated and Local Groups from around the UK. GFYS proved popular with members, our groups, and the public.
- Library: contains books and maps for loan to GA members, courtesy of University College London Geological Department.
- Financial activities: included the sale of publications (such as Field Guides) and small geological goods (such as geological field equipment).
- Management of the GA's financial investments: the moneys generated supported the charitable aspects of the GA's work.

The Geologists' Association is an unincorporated association governed by a set of rules from a scheme at the Charity Commission dated 18<sup>th</sup> January 1967 as amended 06<sup>th</sup> July 2018. The management of the Association is vested in a Council normally consisting of 24 members which includes the following Officers: President, Treasurer, General Secretary and up to three Vice-Presidents. Council Members, being trustees, are appointed annually at an Annual General Meeting by nomination by members of the GA. A ballot of all members is held if there are more nominations than vacancies.

*Front photo: winner of 2022 photographic Competition, Aiguille Dr Dru, Mont Blanc Massif, French Alps by Sally Pritchard*

# REPORT FROM TRUSTEES

## For year ended 31st December 2022

As Council was without an Honorary General Secretary for a significant part of the year, this report will be limited to a summary of the highlights throughout the year, hence more brief than previous years.

The Council of the Geologists' Association faced a challenging year in 2022, especially in the form of recruiting for key Executive positions (Vice Presidents and General Secretary) and some Council posts. Some ongoing issues from 2021, particularly around Equality, Diversity and Inclusivity and the continued organization of both meetings and field trips, whilst recovering from the pandemic with a relaxation of covid rules, were also a theme. Two other issues of note, and being actively monitored, are those of accommodation at Burlington House, and that of the Proceedings of the Geologists' Association transition to Open Access, as the JISC 3-year transitional agreement runs to December 2024.

A common theme in the Magazine of the GA was the grateful appreciation to the members of Council who stepped up to support the Executive Committee, for which the outgoing President, Dr Vanessa Banks, and the incoming President, Mr Graham Hickman, were very grateful, in order for all Council business and GA activities to continue uninterrupted.

2022 was notable in the following respects:

- As the International Year of Karst, which was reflected in Dr Vanessa Banks' Presidential Address at the May AGM.
- Dr Graham Hickman was elected as President of the GA
- The Magazine of the Geologists' Association celebrated its 20th birthday in March.
- The publicity in the media regarding significant fossil finds which were also discussed at lectures and was the theme of the GA Conference
- The celebration of the achievements of Mary Anning
- The GA Conference was held at the University of Hull with a range of talks and 3 field trips

In reference to achievements in Geoscience, are those of the recipients of the GA Awards, details of which are in the Minutes of the AGM section of this report.

Lectures and meetings continued throughout the year with a diverse variety being held online. Recordings of these lectures are available online at the GA website. There was also a welcome return to field trips throughout the year. Further information of these are described in this Annual Report.

The GA photographic competition continued with the winner being a stunning landscape of glacial valleys and screes in the Mont Blanc Massif, French Alps. Other prizes and commendations were from around the world as well as from the UK.

As an educational charity the GA is involved in a number of Outreach programmes:

- Rockwatch
- Schoolrocks
- Geolab visited Bampton, Somerset
- Geology from your Sofa with a stratigraphical theme in 2022.

as well as being associated with a wide range of affiliated groups and societies which the GA President hopes to strengthen these links.

Unfortunately, the one Outreach event which didn't proceed as hoped, due to lack of volunteers, was the Festival of Geology. Rather this was linked with International Geodiversity Day, October 6th.



In respect to Outreach, and the educational nature of the GA, the Halstead Lecture, by Dr Amy Edgington in March, is a worthy re-read, as strengthening links and promoting Geosciences is a goal of the GA and given the challenges of staffing the Executive and Council in 2022, should be a thoughtful consideration of all members of the association, as should the Equality, Diversity and Inclusivity Policy. The GA has advertised a number of times in the Magazine for a call for assistance for Inclusivity and Council hopes that members will respond positively.



***Dr Liam Gallagher  
receiving the  
President's Medal  
at the AGM from  
Dr Vanessa Banks***



***Professor Jim  
Rose being  
presented with  
Honorary Life  
Membership of  
the Geologists'  
Association***

**Ted Dubowski  
General Secretary**

# GA COUNCIL AND COMMITTEES

June 2022

**Officers:** President: Graham Hickman, Senior Vice President: Dr Vanessa Banks  
Treasurer: Dr Graham Williams, Vice President: Prof. David Bridgland

**Postholders:** Awards Panel, Curry Fund Chairman, Education: Dr Haydon Bailey; Chair of Publications: Prof. David Bridgland; Rockwatch: Susan Brown; GA Magazine Editor: Dr Liam Gallagher; Curry Fund Secretary: Dr Jonathan Larwood; Meetings Secretary: Dr Michael Oates; Awards Panel Secretary: Ahmed Alghuraybi; Chair of External Relations & GASS: Nicholas Pierpoint; Geoconservation: Dr Colin Prosser; Overseas Field Meetings Secretary: Dr Ian Sutton; Marketing: David Ward; Governance, Dr Tony Doré

**Ordinary Members of Council:** Prof. John Cosgrove (Publications Minutes' Secretary), David Cropp, Peter Jones (Safeguarding), Janet Osborn, Janet Wright (website liaison), Richard Wrigley

**Co opted:** Gerald Lucy (photo competition & fliers), Richard Trounson (Legal matters)

**Student Representatives:** Jennifer Davies, Hayley Hunt.

**Non Council Roles:** Proceedings Editor-in-chief: Prof. Malcolm Hart; Guides Editor: Prof. Susan Marriott. Geolab: Nikki Edwards. Other roles taken on by existing council members: SchoolRocks!: Dr Haydon Bailey & David Ward; Safeguarding: Peter Jones; Geology from your Sofa Alison Barraclough & Janet Wright; Earth Heritage rep.: Prof. David Bridgland; Librarian: Dr Sandy Colville-Stewart; GA Archivist: Dr Jonathan Larwood; Social Media Liz Hoy, GeoWeek rep: David Ward; GDPR: Dr Graham Williams

**Executive Committee:** Officers, Sarah Stafford

**Investment Panel:** Treasurer: Dr Graham Williams; Professor Bernard Leake; Susannah van Rose, Dr Christopher Green, Susan Brown, Graham Hickman, Roger Lloyd

**Curry Fund Committee:** (President), GA Treasurer; Curry Fund Chairman Dr Haydon Bailey; Curry Fund Treasurer: Dr Christopher Green; Curry Fund Secretary: Dr Jonathan Larwood; Curry Fund Minutes Secretary: Dr Sandy Colville-Stewart; David Bone, Alan Holiday, Jonathan Radley, Dr Eric Robinson, Barbara Silva, Sam Scriven

**Publications Committee:** President, Treasurer, Chairman: Prof. David Bridgland, Secretary: Professor John Cosgrove; GA Magazine Editor: Dr Liam Gallagher; Colin Prosser. Ex Officio Proceedings Editor-in-chief. Prof. Malcolm Hart, Geology Today & Rockwatch: Prof. Peter Doyle & Guides Editor: Prof. Susan Marriott

External Relations Committee: President; Chairman: Nick Pierpoint; Social Media: Liz Hoy; School Rocks! Haydon Bailey, Alison Barraclough; Geolab: Nikki Edwards; Webmaster: Barbara Silva; GASS: Dr Liam Gallagher; Rockwatch: Susan Brown; (Additional Meetings team members: Peter Jones, John Loneragan, Jane Michael, John Nicklin, David Ward)

**Equality, Diversity and Inclusion (EDI) Working Group:** Dr Jonathan Larwood, Janet Wright

**GA Festival of Geology Organising Group:** Sarah Stafford & volunteers convened later.

**Geology Today Owners & Editors:** Editor: Prof. Peter Doyle; Dr Graham Williams, Susan Brown

**Rockwatch Management Committee:** Chairman: Susan Brown; David Bone, Prof. Peter Doyle, Alan Holiday, Dr Wendy Kirk, Dr Jonathan Larwood, Dr Michael Oates, Susanna van Rose; Rockwatch Co-ordinator: Jenny Coleman

**Earth Heritage:** Prof. David Bridgland plus non GA members.

Library Committee: GA Librarian: Dr Sandy Colville-Stewart (others if required).

**Awards Panel:** Chairman: Dr Haydon Bailey, Secretary: Ahmed Alghuraybi, Prof. David Bridgland, Dr Graham Williams

**GA Student Symposium:** Chairman: Nicholas Pierpoint; Dr Rebecca Bell, Dr Liam Gallagher, Sean O'Neal, Janet Wright

**SchoolRocks!** Dr Haydon Bailey, David Ward, Alison Barraclough

**GA Office:** Executive Secretary: Sarah Stafford; Administrative Assistant: Jenny Coleman

## MEMBERSHIP

The deaths of the following GA Members were reported during 2022:-

Christopher Burton, Michael Goodchild, Paul Kievenaar, Roy McIntyre, Hugh G. Owen, Jennifer Rhodes, Peter Sabine, Michael Tasker, Rendal Williams, Gordon Walkden.

74 New Members 11 formally resigned. Total 2022 Membership, 22 Joint 843 Full  
120 Associate 48 Student 52 Honorary Life & Life Members .

Rockwatch 2022 Membership comprising of 11 adults, 511 children, 267 families and 4 institutions.



## OUR LONG SERVING MEMBERS

### **Members who joined in 1972 and reached 50 years**

Ewart Chaplin, Mark Cooper, Sheilah Dellow, Gerald Lucy, Peter Riches, David Watts

### **Members who joined in 1952 and reached 70 years:-**

Anthony Barber, Alan Lello



# ANNUAL GENERAL MEETING 5 May 2022

Vanessa Banks welcomed all to the first hybrid AGM of the Geologists' Association. 43 members attended in person, 39 on line, giving a total of 82. Graham Hickman then conducted the meeting.

**1. Minutes of the 2021 AGM:** no corrections, accepted.

**2. Introduction of Annual Report and Accounts for 2021:**

The accounts have been audited and were accepted as read.

**3. Introduction of proposed Officers for 2022/2023:**

**Retiring Officers:** Vanessa Banks (President), Tony Doré (Vice-President) last January, Lucia Pérez-Díaz (Vice-president) last January, Nick Pierpoint (Vice-President), Colin Prosser (Vice-President), Jonathan Larwood (Advisor to Executive), Sandy Colville-Stewart (Honorary General Secretary)

**Proposal for new Officers:** Graham Hickman (President), Vanessa Banks (Senior Vice-President)

**Continuing Officers:** Graham Williams (Honorary Treasurer)

**Retiring Post Holders:** Alison Barraclough (Education), Susan Brown (Chair FOG), John Cooper (Facebook), Lucia Pérez-Díaz (Chair EDI), Tom Phillips (Awards Panel Secretary)

**Proposal for new Post Holders:** Ahmed Alghuraybi (Awards Panel Secretary)

**Continuing Post Holders:** Haydon Bailey (Chair Curry Fund, Awards Panel), David Bridgland (Chair Publications), Susan Brown (Rockwatch), John Cosgrove (Publications Committee Secretary), Tony Doré (Governance), Liam Gallagher (Editor *Magazine of the GA*), Jonathan Larwood (Curry Fund Secretary), Mick Oates (Meetings Secretary), Nick Pierpoint (Chair External Relations), Colin Prosser (Geoconservation), Ian Sutton (Overseas Field Trip Secretary), David Ward (Marketing), Janet Wright (EDI, Website Liaison, GFYS).

**Non-Council:** Malcolm Hart (Editor-in-Chief *PGA*), Liz Hoy (Social Media), Susan Marriott (GA Guides)

**4. Introduction of proposed Council Members for 2022/23:**

**Proposal for new members of Council:** None,

**Continuing Ordinary members of Council:** David Cropp, Peter Jones (Safeguarding), Janet Osborn, Janet Wright, Richard Wrigley.

**Co-opted members of Council:** Ahmed Alghuraybi (Awards Panel Secretary), Gerald Lucy (Calendar, Flyers, Photographic competition), David Pedreros Bastidas (Student Liaison), Richard Trounson (Legal Matters),

**Voting approval of 2, 3 and 4:** Items 2, 3 and 4 were all approved, no dissenting votes noted.

There are several officer and postholder vacancies: two Vice-Presidents, Honorary General Secretary, UK Field Meetings Secretary, Education Postholder.

**5.** Expression of thanks of the Geologists' Association to all retiring officers and Council members.

**GA Awards 2022:**

**6. Foulerton Award: Professor Michael Benton**

The Foulerton Award is presented to a GA member for work of merit connected with the Association.

Professor Michael Benton OBE FRS FRSE joined the GA in 1996. This coincided with the year that he founded the MSc degree program at the University of Bristol. His research investigates palaeontology, palaeobiology, and macroevolution, commonly focussed on the Triassic. Directly aligning to the remit of the GA, Professor Benton has a unique ability to share this expertise with an audience that ranges from fellow academics, as an esteemed academic, to the broader public with an interest in science through his TED talk, as well as popular science books on dinosaurs. Professor Benton was President of the GA between 2006 and 2008 when he helped steer the Association through the changes to the *PGA*. In recent months, this experience has come to the fore and he is again contributing to discussions regarding publishing the *PGA* in the context of Open Access. Despite his prolific academic output Professor Benton has made time to share his research outputs with the GA through his contributions to the Festival of Geology (2021) and a talk on his most recent book (2021) which draws from his research on the natural colours of dinosaurs.

**7. Halstead Medal: Professor Cynthia Burek**

The Halstead Medal is presented for work of outstanding merit, deemed to further the objectives of the Association and to promote Geology.

To recognise that Professor Burek has made a significant contribution to the field of geoconservation. She was the first person in the country to be made a Professor of Geoconservation (in 2003 at the University of Chester). Professor Burek also serves on the Steering Group of the Geodiversity Action Plan, the English Geodiversity Forum, Association of Welsh RIGS Executive and Cheshire RIGS. We were treated to an insight into some of her Geoconservation research and outreach skills when she presented on the Heritage Lottery funded Saltscape project

at the GA conference at the University of Manchester in 2018. She is a prolific author and has undertaken extensive outreach at all levels of society to extend understanding of the value of geoconservation. Her particular interests lie in how geodiversity underpins biodiversity, coastal geoconservation, history of geoconservation and environmental issues. She teaches in the areas of conservation, science communication, wildlife ecology, soils and forensic biology. In recent years Professor Burek has pursued research that relates to gender equality, and she is a research affiliate for the Institute of Gender Studies and serves on a number of related associations.

*Professor Burek responded that she had received the notification while celebrating her 50<sup>th</sup> wedding anniversary in Hawaii – it was an award for doing what she loved to do all her life. Much of her work is now with UNESCO.*

## **8. Halstead Award: Dr Dean Lomax**

Given to an individual, or individuals, who have made a substantial contribution in any area of geology at an early stage in their career.

Dr Dean Lomax was awarded a PhD from the University of Manchester where he is a visiting researcher. He is an internationally recognised palaeontologist and expert on ichthyosaurs with an impressive record in outreach, having engaged with television and authorship of popular science books as well as peer review literature. In 2020 Dean gave an engaging presentation to the Festival of Geology and then in 2021 Dean received funding from the Curry Fund to lead the excavation of the Rutland ichthyosaur find. His involvement with the recovery of one of the largest and most complete skeletons of an ichthyosaur is an accolade that is worthy of recognition at an early stage of his career.

*Dr Lomax said he had been excited by palaeontology since he was a small boy and feels the need to inspire other people to be interested in the natural world. He thanked the Curry Fund again for helping to raise the ichthyosaur from the ground.*

## **9. Richardson Award: Dr Bernard Besley & Dr Christopher Cleal**

Established in the names of Doris Maud Richardson, John Victor Richardson and James Alfred Richardson, it is awarded in recognition of an important research project within the geosciences. It is awarded for the best research-based paper written by a GA member, in the 2021 volume of the ***Proceedings of the Geologists' Association***. This year's award goes to:

Besley, B. M. & Cleal, C. J. Absence of regional stratigraphic hiatus in the late Carboniferous (Asturian-Stephania) in the northern Variscan foreland: a review of the bio- and lithostratigraphical evidence in Central England. ***PGA*** 132.1, 50-65.

*Dr Besley described how their paper is part of a larger study. Reinvestigation of fossils in the Hunterian Museum and rediscovery of the quarry where they had been found led the authors to discover that the evidence for an extensive unconformity did not actually exist. He thanked the Hunterian and Sedgwick Museums, the BGS, the National Library of Scotland, the UK Onshore Geophysical Library, and Friends of the National Coal Board. This work emphasises the importance of Geoconservation: of sites, of museum specimens and of data. All are at risk.*

## **10. Curry Fund MSc Award:**

The aim of the Curry Prize is to encourage student excellence. The prize is awarded to one or more Masters degree theses on a geology-related topic arising for an MSc taught course in a UK university. The award includes a cash prize as well as membership of the Geologists' Association for the following calendar year. This year the award went to:

**Thomas Farrell** (University of Bristol) MSc Thesis Title: *New ecdysozoan worms from the Sirius Passet Lagerstätte and their implications for the evolutionary history of Ecdysozoa*

*This lagerstätte in Greenland is important for the study of these early Cambrian invertebrate fossils.*

**11. Curry Fund Award for Excellence:** Three awards made for projects completed in 2021 with Curry Fund support:

**Rock Showman's Booth – Steve Collins**

**Scarborough Museum Trust:** Yorkshire Fossil Festival 2021

**Beds, Berks & Oxfordshire Wildlife Trust:** College Lake Pitstone Project These awards will be presented around the country during the year.

## **12. Research Awards:**

**Tupper Award:** Award in memory of Ivor Tupper. The fund is designed to give financial assistance to a deserving undergraduate in their second, third or fourth year at university, studying Geology or Earth Sciences. Nominations are made through the student's Head of Department. No nominations were received this year.

**UK Onshore Geophysical Library Research Award:** The UKOGL Fund helps one or more deserving final year MGeol / MSci undergraduate (s). It is intended to assist in the preparation of a thesis, preferably relevant to the geology of onshore areas of the United Kingdom. No applications received this year.

## **New Researcher Awards:**

**Eloise Hunt** (Imperial College) To study fossil material Natural History Museum, Paris. Full Grant of £600.00

**Nicholas Lucas** (Univ of Cambridge) Minerals Field Mapping, Ontario Canada. Full Grant of £600.00 to be paid on evidence that other grants awarded & field work is going ahead.

**Yorick Veenma** (Univ. of Cambridge) Field work studying Cambrian marine red beds, S.Wales. Full Grant of £600.00



### 13. Honorary and long serving members:

#### Special Award: Professor Murray Gray

Professor Gray is a long-standing member of the GA (joined in 1979), former **PGA** editor (1986-1991) and Honorary Professor of Geography at Queen Mary University of London. His early research was on the Quaternary geomorphology of Western Scotland, North Wales and East Anglia, but in the 1990s he became more interested in applied research and moved into the fields of geodiversity, geoheritage and geoconservation. In 2004, Murray published a book entitled *Geodiversity: Valuing and conserving abiotic nature* with a second edition published in 2013. This is the leading books on geodiversity and helped define geodiversity as a discipline. Murray has since become the leading international expert on geodiversity, with some of his key papers having been published in the **PGA**. He has given numerous presentations on geodiversity in Europe, South East Asia, the Americas and South Africa. In recent years Murray's work has been central to the establishment and promotion of the concept of geodiversity internationally, and most recently he played a central role in making the case and gaining UNESCO approval for an International Geodiversity Day to be held every year on 6<sup>th</sup> October. Murray's work in establishing and promoting geodiversity internationally as a concept and in practice is worthy of recognition by the GA.

*Professor Gray reminded us that three other colleagues from the UK and Europe were also involved in the UNESCO approval for what hopes will be a successful annual event. A Special Award which would always be special to him.*

#### Honorary Member of the GA: Professor Jim Rose

Professor Jim Rose was nominated for Honorary Membership of the GA in recognition of his contribution to securing a future for the **PGA**.

*Professor Rose said he was proud to be associated with the GA and its work for geoscience from the **PGA** to Rockwatch.*

#### Long serving members:

50 years: Cynthia Burek, Eric Freeman, Derek Giles, Alan Howell, John Jarvis, Stephen Krause, Keith Mortimer, Philip Reid, Robert Scaife, David Shilston, Raymond Townley, Susanna Van Rose, Christopher Woolston.

70 years: Michael Le Bas, Roy Metcalfe.

### 14. President's Medal: Dr Liam Gallagher

Dr Liam Gallagher has been nominated to acknowledge his long service to the Council of the Geologists' Association and to the editorship of the **Magazine of the GA**. Since taking on the editorial role in 2014, Liam has worked very hard to maintain a diverse, inclusive, consistently high quality, and visually pleasing output for the GA. He has also optimised engagement with the membership by ensuring that events are advertised in a timely way, that GA business is clearly communicated and that the content is accessible for the full membership of the GA. In parallel, Liam is recognised for his dedicated contribution as a member of both Council and the Executive. In this role he has shown clear insight with a willingness to challenge from the perspective of a Trustee. This is invaluable for an effective and functioning Council. Liam has also been exemplary in his attendance of GA field visits and contribution to working parties, e.g. working with the London Geodiversity Partnership. Further, Liam is recognised for his passion for the Geologists' Association Student Symposium (GASS) and his effective contribution to the work of the EDI group.

*Dr Gallagher thanked the past/current Presidents for selecting him for this award, he is grateful and honoured. The GA runs largely on the enthusiasm of volunteers, and he thanked all who have contributed to the **Magazine of the GA**. He also especially thanked Lesley Exton and David Brook who have transcribed the monthly lectures.*

The outgoing President then thanked all GA members for their support in what has been a particularly challenging period, dealing with Covid and our social media speaker selection issues. We have a thriving Association largely thanks to the time, effort and all the hard work that you contribute. Thanks to all those who have given such splendid virtual talks and events and especially to Sarah Stafford and Kevin Perry from the GSL for enabling us to hold our Zoom meetings. Especial thanks to Council and the Executive for their work in the past twelve months. A presentation was made to Sandy Colville-Stewart for her work as Honorary General Secretary.

Finally, thanks to Graham Hickman for the presentation this evening and welcome to him as our new GA President.

#### Presidential Address:

**Dr Vanessa Banks:** *Defining catchments in karst environments.*

## LECTURE MEETINGS 2022

The 2022 programme of monthly lectures was delivered against the confused global background of pandemic recovery and an emerging Eastern European war. Nevertheless, the GA rose above these difficulties, with a full, hybrid lecture programme. A mix of face-to-face meetings at Burlington House with virtual meetings via the Zoom platform worked well, attracting attendance of over 200 for some events. We covered diverse subjects from the earliest Pre-Cambrian to the almost recent melting at the end of the last ice age and from the mantle to the moon.

To start the programme, Dr Aaron Hunter presented a background to those enigmatic echinoderms, the crinoids, followed in February by UCL's Dr Martin Homan's researches on the very earliest signs of life appearing on the Earth. Our own Amy Edgington gave the Halstead Lecture in March, demonstrating how outreach in geoscience could be influential at all levels of society, not least by her own involvement in Geobus, at UCL. Nick Riley, a Carboniferous expert, explained how life functioned across the marine to land environments of the Carboniferous. Following the AGM, Vanessa Banks fulfilled her last duty as President with an address on karst environments and how to model them.

Every three years, we invite the Stopes Medal winner to present a talk on their particular interest in Quaternary geology. In June, Stopes medallist Prof Martin Bates (Sheffield University) gave a fascinating account of how palaeogeography across the UK and North Sea changed through its Quaternary history. Fifty years after the last human walked on the moon, Dr John Purnet-Fisher (Manchester University) told us how trace element analysis on lunar samples collected over a half century ago were still yielding significant results in understanding the formation of the lunar crust.

Following the summer recess, October's meeting was the popular highlight of the year with Prof Chris Clark's exposition on how the final glaciation of Britain had advanced and receded and what evidence was left for this. For December's face-to-face meeting Dr Evgeniya Ilyinskaya, from Leeds University, explained just how dangerous to health and the environment active volcanoes could be, largely based upon her own upbringing in Iceland and field work in Hawaii.

For providing such interesting lectures, we must thank all the speakers, and since virtual talks emerged, the audience now all over UK and even further for attending in such numbers. None of this would have been possible without the organisational skill of Sarah Stafford and the technological assistance of Kevin Perry.

**Michael Oates**  
**Indoor Meetings Secretary**

## UK FIELD MEETINGS

This was the third year that the Covid-19 pandemic has disrupted the GA Field Meeting programme. Furthermore, during the first few months of 2022, we were warned about the new Omicron variant and social distancing measures were again implemented. The GA responded to this by holding a virtual workshop using Zoom. The workshop, held on 18<sup>th</sup> March, was led by Dr Tom Hose and Dr Jonathan Larwood and focussed on archiving of geological records and photos. This workshop was well received and has been written up in the GA magazine. As it became apparent that the Omicron variant was a milder form of coronavirus and many people had received vaccinations, which provided extra protection, we returned to physical field meetings. Over the weekend of 30<sup>th</sup> April/1<sup>st</sup> May we held a weekend field trip to Bude. This was led by Dr Jonathan Turner and was very well attended; we were also pleased to have a very keen A-level geology student join the group on the Saturday.

In May we had planned for Emma Theresa Jude to hold another field sketching workshop in Kent, however only two participants signed up and we were forced to postpone the event. On 26<sup>th</sup> June, the Wealden field trip visited Smokejacks. This was led by Pete Austin and Ed Jarzembowski. Unfortunately, a limit on numbers was imposed due to coronavirus regulations, which the quarry management company had implemented.

As 2022 progressed, the COVID-19 restrictions involving indoor spaces, such as Museum visits, were lifted. We were then able to schedule two indoor meetings in Oxford on consecutive days in July. On the evening of Thursday 14<sup>th</sup> July, we visited Diamond Light Source Synchrotron followed by a behind the scenes trip around Oxford Natural History Museum on the Friday. Both indoor events were very enjoyable and informative. The booking for the Synchrotron visits was made in 2019 so it was very pleasing to see this meeting come to fruition after numerous attempts to reschedule.

In September, the GA held three further field meetings. On 3<sup>rd</sup> September, Ruth Siddall led a building stone walk in London looking at the use of Scottish stones in the capital. This was held in conjunction with the Scottish Geology Trust and was designed to coincide with the Scottish Geology Festival. On 11<sup>th</sup> September, two further field meetings were held following the GA Conference in Hull. Dr Mick Oates led a trip to South Ferriby while Mike Horne offered a building stone walk around Hull.

In conclusion, 2022 ended with the GA having held 8 events: comprising 1 Zoom workshop, 2 indoor meetings and 5 outdoor field meetings. We are grateful to the leaders who have freely shared their knowledge and expertise throughout the year, as well as their flexibility in rescheduling and responding to the evolving coronavirus measures. We are very grateful to Sarah Stafford, in the GA office, who has handled the bookings and questions from our members. At the AGM in May I was elected as President of the Geologists' Association and stepped down as UK GA Field Meeting Secretary. For a few months the position was vacant, however in September I was very pleased to welcome Dr Tom Hose as the new UK GA Field Meeting Secretary. Tom brings a wealth of experience and enthusiasm for field meetings, and I am grateful for him volunteering for this role.



*Field visits:  
Bude in April  
2022 and the  
Diamond  
Light  
Synchrotron,  
Oxford in  
July*

## OVERSEAS FIELD MEETINGS

During the period 2022-2023 there has been very little in the way of foreign field trips. The only activity during the year was the museum trip arranged by David and Anne Bone who arranged and ran a very successful four-day trip to visit the museums in Madrid together with a side field trip. David and Anne have said this will be the last of the very successful museum trips that they have run. A big thank you to all the efforts they have put in to make these trips so popular and successful. At long last the 2022 proposed trip to Turkey with David Bridgland and Alison Ure, which was postponed will now take place this April in spite of problems resulting from the very recent earthquake and the death of one of the original trip leaders.

This will be the last of my reports as I am retiring from the post in May and from me, I must express my sincere thanks to Sarah who has been a tremendous help in so many ways.

We currently have proposals for at least two trips in 2024. One will be to Morocco in April and the other to the Spanish Pyrenees in September.

**Ian Sutton**

**Overseas Field Meetings Secretary**

## GEOCONSERVATION

As ever, the GA, in many ways and places, has continued to play an active role in geoconservation over the last year. Our contribution to the first ever International Geodiversity Day (IGD), on and around the 6<sup>th</sup> October 2022, perhaps being the highlight of the year with the GA playing a central role in the celebrations which took place in the UK (see Bridgland and Prosser, *Earth Heritage*, Issue 58, pages 20-21, 2023). Events and activities led or supported by the GA and affiliated societies included: the Black Country Geological Society's canal boat trip grant aided by the GA, which ran between the oldest geological National Nature Reserve in England (Wren's Nest) and the newest (Saltwells); on-line talks generated by GA's Student Symposium (GASS); a wonderful YouTube video of broad geodiversity interest from Rockwatch; a GeoLab event held at Bampton, and activities organized by the London Geodiversity Partnership and the London Branch of the Open University Geological Society, the Harrow and Hillingdon Geological Society, Bath Geological Society, South Wales GA, and School Rocks to mention a few.

In addition, the GA continued to manage the publication of *Earth Heritage* magazine, working with our partners to publish issues 57 and 58 packed with examples of good geoconservation practice from across the UK. We responded to a government consultation on its 'Nature Recovery Green Paper: protected sites and species' where we highlighted the importance of taking account of the value and needs of geological Sites of Special Scientific Interest in any proposals for reform of conservation designations in England. We also responded to the NatureScot consultation 'Scottish Fossil Code – have your say', expressing support for an approach to fossil collecting which balances the need for conservation and respect for private property and land with the need to ensure that collectors, especially amateurs, families and school groups, are not put off by regulation or complex process from enjoying the many benefits which arise from collecting fossils responsibly. We continued to publish geoconservation papers in *PGA*, including Geological Conservation Review papers, and geoconservation papers remain amongst the most highly cited papers in the journal. The Curry Fund continues to be a source of funding for projects including geoconservation, and I was delighted that the GA was able to honour two GA members at our AGM in May, both of which have been major international influences in geodiversity and geoconservation over the last 25 years. Professor Murray Gray received a Special Award for his role in shaping and promoting the concept of geodiversity and for his contribution to the establishment of UNESCO's International Geodiversity Day whilst Professor Cynthia Burek received the Halstead Medal, in part for her work promoting geodiversity and geoconservation to a wide range of audiences. All of this is, of course, in addition to the wonderful practical conservation work undertaken by so many local groups much of which is reported in the Magazine of the GA and *Earth Heritage*.

**Dr Colin Prosser**

**Chair – Geoconservation**

## THE CURRY FUND

In 2022 the Curry Fund received 14 applications, 8 of which we were supported. A total of £11,245 was awarded (Ordinary grants £6,237, GA subvention £5,008) and, whilst the number of applications had dropped from previous years, we were able to fund the usual range of excellent projects including events, publications and site investigation. In contrast an unusually high number of projects (18) were completed in 2022 and a total of £28,259 was made in grant payment. **Events:** we were very pleased to be able to continue to support the Yorkshire Fossil Festival with a small grant enabling under-served younger communities to join the Festival celebrations. We were also able to support the promotion of the long running Malvern and Abberley Hills Geopark Geofest with events throughout the summer. **Publications:** Curry Fund grants were awarded to support the development of geological guides and leaflets for Bridport Museum (exploring the surrounding geology and wildlife of West Bay), and interpretation of the geology of York City walls. In celebration of the centenary of the Ashdon Meteorite (Essex) grant funding enabled the publication of a booklet and installation of a marker post at the exact location where the meteorite struck, 100 years ago. Geologists' Association Field Guides to the Himalaya and Alderney were supported through the GA subvention. **Site investigation:** recently reported in the GA Magazine the Middle Jurassic Court Farm Lagerstätte excavation, site conservation and recording was supported by the Curry Fund. The material collected is now being catalogued, conserved, and prepared (with further Curry Fund support) to eventually go on display at Stroud Museum.

**Curry Fund 'Award for excellence':** This award decision has been put back to our June 2023 meeting for the good reason that we had a large number of excellent grant applications to consider at our March meeting. In anticipation, below is a montage of some of the projects that were delivered and completed during 2022.

The Curry Fund celebrates another year of supporting geological publication, conservation, interpretation, and innovation - to find out more please go to [www.geologistsassociation.org.uk/curry/](http://www.geologistsassociation.org.uk/curry/)



2022 Curry Fund Projects 1. Yorkshire Fossil Festival 2022 2. Court Farm Excavation, Gloucestershire 3. Extinction Exhibition Peterborough Museum 4. Purbeck Geology, Lulworth 5. Knighton Geology Map

**Jonathan Larwood**  
Curry Fund Secretary

## EDUCATION AND SCHOOLROCKS!

In many ways, it is difficult to separate SchoolRocks! from the broader educational aims of the Geologists' Association. Both seek to raise awareness and understanding of geology. The education programme aims to collaborate with examination boards, universities and other institutions involved in the teaching and learning of Earth Science. Despite a decline in the number of sixth formers studying AS and A level geology, the examination board OCR announced at their recent Science Forum that they would be continue to offer A level Geology. This is excellent news as there will now continue to be a choice of specification options. The proposed OCR Natural History GCSE, first teaching in 2025, is progressing through the final specification stages. The GA have offered to help develop resources that might be helpful when teaching the geology orientated sections of the specification, should this be required. The GA is looking forward to being involved in this year's Girls into Geoscience, an exciting event which introduces female A level students to the earth sciences and demonstrates the world of careers open to earth science graduates today. This two-day event, held at the University of Plymouth, includes an introduction to field work, academic talks and workshops.

The Geological Society invites the GA education postholder to attend their education committee meetings. The concerns about the decrease in the numbers of schools offering GCSE and A level remain an important issue for both the GSL and the GA. The GSL is training student ambassadors to go into primary schools to talk and inspire children by use of one-hour workshops. These are not intended to focus on teaching the National Curriculum so are discreet from the GA SchoolRocks! incentive. It has been an excellent year for SchoolRocks! A record number of rock boxes have been sent to schools and home educators with locations ranging from the Isle of Skye to South Wales and Dorset. The SchoolRocks! team are delighted by the responses and encouragement that they receive from their rock box users, for example 'I just wished to say a great thank you to yourself and your team for the loan of SchoolRocks! Box scheme. The resources and class activities really helped to engage the children in their new topic.'

The current boxes and supporting lesson suggestions and resources are designed to give teachers all they need to provide hands-on, exciting ways of learning the National Curriculum content for Science, Rocks and Soils for Year 3 (seven-year-olds). The popularity of and demand for boxes has outstripped supply and the SchoolRocks! team are planning to build more boxes to meet the demand. SchoolRocks! is indebted to the Reading Geological Society, whose members spend many hours labelling specimens, constructing rock boxes and contacting local schools. SchoolRocks! is certainly achieving its initial aim, to allow as many children as possible to experience the excitement of handling real rocks and fossils. The highlight of 2022 was probably the school workshop that the SchoolRocks! team organised as part of the Geologists' Association's contribution to International Geodiversity Day. Over 800 children took part in a pre-recorded workshop and had the opportunity to explore specially selected rocks and fossils which were sent in advance to their schools. One school reported that their school buildings were in danger of being undermined by enthusiastic rock and fossil hunters following the workshop! Plans for 2023 include reviewing to the current boxes to ensure that they remain exciting and relevant. The team is also working on specimens and resource materials to help teachers and home educators make the Evolution section of the Science National Curriculum for Year 6 (eleven-year-olds) informative, interactive and fun. If Alison has an image would be good here SchoolRocks! are indebted to many Geologists' Association members for their donations of rocks and fossils. Thank you from the SchoolRocks! team.

**Alison Barraclough**  
Education



## MARKETING

Our main marketing activity this year has been our attendance at Science Festivals, where we exhibit GA Guides and have several geological games to entice children to our stand. On the stand, we display nice hand specimens of rocks, fossils and minerals, which we discuss with both children and their parents. We offer leaflets promoting the GA, Rockwatch and School Rocks! and support this with back numbers of the GA Magazine and the Rockwatch Magazine.

The following events were well attended with a steady stream of visitors to our stand:

- Essex Mineral and Rock Society
- Abingdon ATOM
- Lyme Regis Fossil Festival
- Southampton Science and Engineering Day
- Merthyr Tydfil Science Fair
- Yorkshire Fossil Festival
- Sidmouth Science festival



Stands were manned by myself, Diana Clements and Nikki Edwards, also by enthusiastic members of Local Groups where we able to recruit them.

**David Ward**



It gives me great pleasure to report that during 2022 our Rockwatch (RW) programme was essentially back to normal after the lockdowns due to the Covid-19 pandemic. RW overcame a few hiccups through the year, and didn't manage quite as many field trips as we regularly had pre-Covid, but enough to thrill our members. The magazine continued to be published on time thanks to our marvellous team of editors and publisher. The annual competition drew in some amazing entries of a very high standard much to the judges' delight. Rockwatch continued to attract new members throughout the year and the overall membership numbers are buoyant. Our website received praise from many visitors to it, thanks to our ever vigilant and innovative website manager. The site's "Finds" section draws in queries from lots of youngsters and everyone who submits a "Find" gets a most encouraging response from Michael Oates who manages that section.

We ran some superb field trips including places such as Hastings, Thorndon Country Park in Essex, Kings Dyke near Peterborough, Whitby, and our annual South Wales weekend based around the Cardiff area. During the Easter holidays we held an extremely popular public Family Day event at Lowewood Museum in Hoddesdon Hertfordshire. The geographical spread of the trips gave the members access to an interesting range of geological periods, for example Cretaceous, Jurassic, Ice Age, Silurian, Triassic and more. The range of fossils was equally diverse and the children (and some parents!) were thrilled with their amazing finds. At Whitby, we had the additional help of former Rockwatcher Rebecca Bennion, who's recently completed her PhD on Marine Reptiles at the University of Liège.

The annual competition once again showed what imaginative and knowledgeable young people submitted entries. The judges were most impressed by the range and quality of entries and had a busy and rewarding time judging them. For a number of years now, we have opened the competition to non-members as part of the activities we provide under our charitable status to benefit the wider public. Entries included poems, puzzles, games, models, a geological Rock Rap, stories, geological cakes, paintings, short films, videos, field trip reports and more. Some can be seen on a short video on "YouTube - Rockstars Young Geologists' Competition Showcase 2022". To ensure the judging is as objective as possible for this difficult but immensely enjoyable task, we developed a numerical scoring system which works well, so winners are clear cut and when, occasionally, we get two identical scores, we award two prizes for that specific category. Sadly, since the arrival of Covid and lockdowns we've not been able to have the usual Winners' Day event hosted by the competition sponsor, but hopefully, once Covid infections have dropped to much lower levels, this might be re-instated.

A new event this year for Rockwatch was an on-line presence at the First UNESCO International Geodiversity Day on 6th October. Helen Connolly, our website manager, put together a short video showing some of the entries from our annual Rockstar competition <https://youtu.be/RMekoUQyp2w>. The entries illustrate aspects of geodiversity highlighting the high level of knowledge and understanding of this concept evidenced by the youngsters in their entries in a fun, accessible and informal way. I think they will retain their knowledge of Planet Earth's amazing geodiversity and it may help prepare them, in due course, to become stewards of our planet.

The Rockwatch Magazine continues to go from strength to strength. The editing and publishing team work extremely well together, find a superb range of articles to interest and inform the reader and publish on time! The team encourages cutting edge scientists, industrial geologists, geological museum curators, teachers, former members, current members, members of the RW management team and many others who have a fascinating geological story to tell to write articles for the magazine. We have three issues a year, each to co-incide with the three main school holidays. We normally distribute old issues of the magazine free at our public events so the readership is considerably wider than the membership. And, of course, it's also an excellent way of encouraging new members who may have spent a busy and interesting time with us and have liked what they see!

Our RW administrative assistant/co-ordinator, Geraldine Marshall left at the end of March. Geraldine had been with the RW team since it became the junior club of the GA. She was always ready with an enthusiastic welcome and offers of help and she has been much missed since she left us. We wish her well in this new phase of her life. Unfortunately RW has been without a replacement for Geraldine for some time but it is hoped that will soon be remedied.

And now, after 21 years leading RW, I tendered my resignation at the end of 2022. It was in 2001, during my GA Presidency, when our then partner organisation moved on, that I agreed to step up and manage things temporarily until we got a management team and financial support. This temporary role lasted somewhat longer than I envisaged! It has been a wonderful, fulfilling and privileged 21 years working with such curious and enthusiastic children and young people. Some have continued their interest in geology and now work as professional geologists in all areas of the science. Others have spent a few years with the club and will have taken lots of geological knowledge with them on their career paths and, as “added value”, parents who have to accompany their offspring on our activities, will, I believe, have gained much information about the importance of geology to the nation's economic and social health and welfare.

RW has been a huge part of my later life, given me enormous pleasure and enjoyment and allowed me to see and understand the amazing geology we have on this 'sceptered isle' which is our home. But, there is much more to learn! We've had field trips all over the country, our members have been privileged to be given access to many quarries for some amazing field trips; we published our first RW Field Guide; ran a most successful conference for Y9 pupils to encourage them to think positively about science subjects as exam options; run workshops for RW members with the British Geological Survey, the University of Bristol and Adrian Rundle; been on superb 'behind the scenes' visits in many museums; participated in many Festivals of Geology and geology events; run school visits for Y3 pupils and school geology clubs. We have an annual weekend trip to South Wales and an annual week's residential course on the Jurassic Coast, both of which are extremely popular.



These are just some of the varied activities we have run over the past 21 years. RW simply could not have done all this without the generosity of its sponsors: Anglo American Group Foundation, Equinor, the Geological Society and its Petroleum Group and the Onshore Geophysical Laboratory. We are indebted to our many wonderful volunteers who help with all aspect of managing Rockwatch and it is their input, along with that of our sponsors who made it possible to offer such a wide and varied programme year after year to our members and the wider public.

The time has come for me to say 'goodbye' to all the many friends, colleagues, RW members past and present, sponsors, supporters, and our wonderful volunteers. My thanks to you all for your kindness, unstinting help and support for Rockwatch and to me personally. I've truly had the 'time of my life' with you all and it's been a huge privilege and great pleasure to have witnessed the progression of so many RW members from young children to successful adults in their careers. I will miss you all very much and I hope that some, if not all, will manage to stay in touch and let me know what you are up to from time to time. I wish you all well.



And, I'm delighted to tell you that my successor as Chair of Rockwatch will be Clare Byrne. She and her children were on my first RW weekend field trip to the Jurassic Coast and were members for some years after that, so she is fully cognisant of the RW ethos. I wish Clare well and feel sure that everyone who has given so much help and support to me will continue to do so, supporting Clare and RW into the future.

**Susan Brown**  
Rockwatch Chair



## The Geologists' Association

*For everyone interested  
in the story of the Earth*



The GA actively promotes the study of geology to all who are interested in the past, present and future of the natural world. It welcomes everyone, regardless of the level of their knowledge.

Membership benefits include a magazine, a journal, monthly meetings, conferences and field visits. The society also has a library, publishes guides and runs the Festival of Geology in London. The GA also runs a nationwide club for young geologists and their families.

([www.rockwatch.org.uk](http://www.rockwatch.org.uk)).

The offices of the GA are located with those of the Geological Society in Burlington House in Piccadilly in Central London. For enquiries about membership please email the Secretary at [admin@geologistsassociation.org.uk](mailto:admin@geologistsassociation.org.uk) or telephone: 020 7434 9298.

[www.geologistsassociation.org.uk](http://www.geologistsassociation.org.uk)

*The Geologists' Association Calendar is published by the Geologists' Association and printed by David Vaughan Print Management. Thanks to all those who have provided photographs. Copyright of each image remains with the photographer.*

**Cover photograph:** Stowes Hill Granite Tors, Bodmin Moor, Cornwall. Tors are classic landscape features of upland granite scenery in Cornwall and Devon. Photo © Richard Furringer

Once again, Gerald Lucy selected the monthly photographs from photographic competition entries and the GA Carreck photographic archives to produce the calendar. He puts in a large amount of time in the selection of the photograph and the writing of a description for each month. We thank him for his dedication in producing such a quality calendar.

The foregoing reports have been approved by the Council and signed on their behalf

Graham Hickman

Ted Dubowski

President

General Secretary

# GEOLOGISTS' ASSOCIATION LOCAL GROUPS

## DORSET GEOLOGISTS ASSOCIATION GROUP

[www.dorsetgeologistsassociation.org](http://www.dorsetgeologistsassociation.org)

DGAG has had another busy year, although tinged with sadness as we have lost several long-serving members. We will miss their contributions, leadership, knowledge, and of course their friendship. We had an excellent field trip programme. Field trips included a one-day meeting to Osmington Mills to examine the Corallian sequence and a weekend visit to the North Somerset Coast in early September. For the latter, spread over three days, we visited Kilve, Watchet, Blue Anchor and Lillstock. The weather was kind, and we visited many brilliant sites featuring mud volcanoes, complex faulting, and the Triassic/Jurassic Boundary. The 'Beneath Your Feet' leaflets published by DIGS (Dorset Important Geological Sites) were responsible for prompting several Geowalks this year and they took place between March and August. Five walks were completed and were extremely rewarding and enjoyable experiences. We had the opportunity to meet new friends, with time to talk and learn new things, while looking at the rocks and enjoying the wonderful landscapes of west Dorset and Purbeck.

Eight indoor events (talks/lectures/workshops) were held since their resumption in February 2022, after the previous extended Covid shutdown. The average attendance was 21 attendees, including speakers. The evening lectures took place at the Dorset Museum and included such topics as the structure of the Jurassic Coast, Mars, the Great Bindon Landslide, New Zealand and Sowerby's Fossils. Our annual 'Holiday Rocks' event featured the Geology of the Pyrenees, whilst the Winter Workshop featured some excellent displays of members' collections.

**DGAG  
members at  
the Winter  
Workshop in  
December**



The Committee met by Zoom, mainly for the convenience of not having to travel, although the recent A.G.M. was conducted face-to-face. We continue to get a fair number of enquiries through the DGAG and DBS (Dorset Building Stones) websites and these are usually solved by email. Members with email have been sent 'Members' Updates', usually weekly or sometimes fortnightly, along with the brilliant Geology From Your Sofa! Three editions of the DGAG Newsletter, in full colour, were sent out to members in 2022. Currently, 110 copies go out in total: 73 as hard copies by post and 37 by email as pdfs. This is an increase of 7 (about 20%) in members opting to receive the digital version since 2021. Articles received have included book reviews and field reports, alongside regular features such as the 'Hot Rocks Slot'. Our special interest group, Dorset Building Stone, has continued to grow, expanding its coverage of Dorset's churches and historic buildings. Everything has been documented on a dedicated website: <https://www.dorsetbuildingstone.org> Our main website, now has a detailed interactive 'GeoFeature' 3D model of the landscape and geology of South West England. [www.dorsetgeologistsassociation.org/index.php/3d-map/](http://www.dorsetgeologistsassociation.org/index.php/3d-map/)

We now have a new Chairman, backed by an enthusiastic committee and are looking forward to an excellent programme of field trips and events for 2023.

**Kelvin Huff, DGAG Secretary**



## ESSEX ROCK & MINERAL SOCIETY

[www.erms.org](http://www.erms.org)

Our membership is currently 121, an improvement following recovery from lockdown and higher than it has been for some years. Our Affiliation to the Geologists' Association is aided by the fact that 12 ERMS members are also GA members. Thanks go to Mark Matthews for continued promotion and improvement of our Membership and payments system.

Meetings continued with moderate attendance at both the Shenfield and Stanway venues after relaxation of lockdown restrictions. Online Zoom talks have also continued, often with a differing selection of members. Hall meetings have attracted plenty of interest in showing specimens. We aim to maintain the two monthly venues, as well as a regular Zoom offering. Work on the second edition of the book, 'Essex Rock' was completed and it appeared in June. Sales have been brisk and the book is in stock at Chelmsford City Museum and at all Essex Wildlife Trust visitor centres. The input and assistance of ERMS members is hugely appreciated.

Several very successful visits took place this year with eight well-attended trips. We were well looked after at North Stifford church with refreshments at the end of our May walk along the Mar Dyke to view the shapes in the landscape and the rocks in the church walls. Bull's Lodge and Colemans Farm quarries gave us plenty of variety, rock and fossil, with a good look at Simon Brice's collection at Colemans. The final trip, to test the Colchester City Geology Trail Guide revitalised by Brian and Kaye Gordon, was a great success with two groups testing the trail. We aim to publish a new guide following testing. Thanks go to David Turner and Gerald Lucy for organising all the field visits, and to members for their guidance during each trip. Ros and Ian again exhibited the Essex Rock display at Walton Town Show in August Bank Holiday weekend. The 40<sup>th</sup> ERMS Essex Gem and Mineral Show in February was very successful despite the very recent release from lockdown. We are planning the usual North Romford venue for the 41<sup>st</sup> show for 2023. Thanks go to Jeff Saward for his continued great efforts despite continued uncertainties.

Our publicity and Show leaflets continued to bring success. ERMS Facebook was maintained by Helen Vickers who also publicised the Society in other ways. The website [www.erms.org](http://www.erms.org) was maintained by committee members with updated information including full details of talks, visits and events, the Show, news updates and member information. My sincere thanks go to all of our members and committee for keeping our Society as buoyant and popular as usual.



*Essex Rock & Min Soc members peer into the glacial past at Boreham near Chelmsford.*

**Ian F Mercer**  
Chairman



**FARNHAM GEOLOGICAL SOCIETY**  
**www.farnhamgeosoc.org.uk**

Farnham GS continues to thrive with an influx of new members and a special thank you to those members who have joined an ageing committee, volunteers being hard to come by but much needed in the age of Zoom. Winter meetings have been held by Zoom, meetings at the Malting commencing in April. The use of Zoom has enabled other societies to join in FGS lectures, and also FGS members living in Dorset, Gloucester, Scotland and Cornwall

As ever, Janet Catchpole managed to produce a very varied programme of speakers and topics. This is made slightly easier as speakers do not have to travel to Farnham, giving a wider choice of people.

Tessa Seward started the year with an account of her trip to the volcanic eruption of Fagradalsfjall in Iceland. This was followed in February by Professor Mike Benton from Bristol talking about feathers and colour on dinosaurs and introducing his latest book *New Visions of a Lost World*.

The March talk was cancelled and replaced by a social afternoon looking at rocks and fossils brought in by Liz Aston and Mick Caulfield. We returned to the Maltings in April for Dr Jim Rose's talk on Glaciations of the British Isles.

We used Zoom in May for Dr Lil Stevens of NHM who talked to us about the Carboniferous Plants from Cosesley with reference to their biology, environments collectors and future of the site. Dr Laura Evenstar visited Farnham for a hybrid meeting to answer the question 'Why are the Andes so High?'

The Members evening in July was a combined talk by Colin Brash and Janet Catchpole recounting their trip to the Burgess Shales in British Columbia, Canada in 1992. The history of the discovery of this unique site and some of the many Cambrian fossils were described.

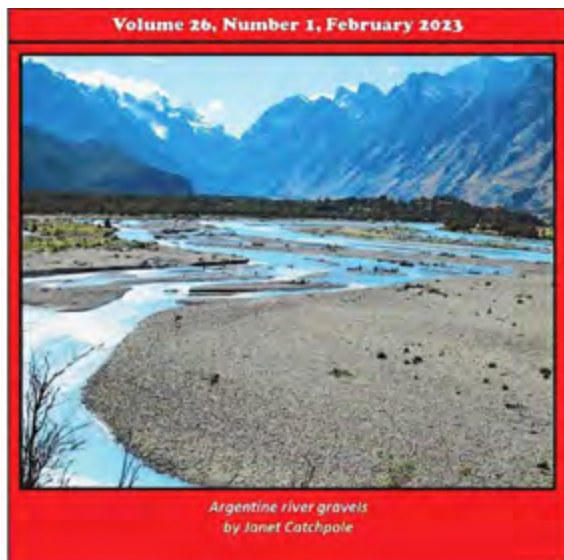
We returned to Zoom in September for Jonathon Gammon's talk on the Influence of Geology on the London Underground. This was followed in October by Dr Jon Marshall from NOC in Southampton telling us about 'Mass Extinctions in the Devonian and what we can learn from the Old Red Sandstone.'

Our final meeting at the Maltings saw the return of Dr Danielle Shreve with a fascinating talk entitled 'Bite Club: Reconstructing past diet in Ice Age Carnivores' and in December Richard Sutch via Zoom introduced us to the Pennine Ore Field and occurrence of Lead and Zinc.

John Williams organised two field trips in 2022. First was a visit to the NHM in London where we were able to view the rocks used in the building of the museum. The second trip was to Pembrokeshire, shared with Reading GS.

John is to retire this year after many years of organising field trips. A new person is required to take over the task of field trip organiser.

The FGS website was showing its age and needed updating. Fortunately, a new member arrived just in time and volunteered his help and FGS now has a new website. Another member volunteered to "manage" it.



**GEOLANCASHIRE**  
**www.geolancashire.org.uk**

Annual General Meeting for 2023 followed by a talk 'The Undara Lava Tubes of Queensland, Australia' presented by Brian Jeffery  
Friday 10 February 2023 7.15pm

1. Chairman's welcome and opening remarks
2. Apologies for Absence Apologies from George Williamson and John Geldard
3. Minutes of 2022 AGM read and accepted. No matters arising.
4. Jennifer Rhodes Memorial Jennifer Rhodes, a member for more than 30 years and Secretary for most of that time, died last autumn. She managed the winter and summer programmes for much of this time. She was instrumental in the production of the series of seven GeoTrails, editor of the North West Geologist and co-wrote the Guide to Manchester Building Stones (published under the auspices of the MGA). She was also active in GeoConservation and regularly attended meetings of the GeoConservation Group and in that capacity liaised with Lancashire County Council.

It was agreed that the group should have a memorial bench for Jennifer and her husband, also active in the conservation field. Phillip Isles said that a good location had been identified in their home town of Belmont, and would provide details of the benches approved for the area. It was agreed that this would be provided from available funds.

5. Secretary's Report Annual Report of the Group's activities during 2022:-

Indoor meetings - Winter season

14 Jan Dave Ratledge: Use of Lidar in locating Roman roads especially in the Ribble Valley; 11 Feb AGM + PdS Mallorca; 18 March Steve Donovan "Going Underground in the Caribbean- Jamaican Geology, its caves and palaeontology"; 22 April Wyn Hughes 'Biosteering'; 12 May Danny Clark-Lowes: Geology of Jordan

Field Trips

15 May Fred Owen Styal Mill, joint with MGA; 1 June Wharfedale; 10 July Skeleron; 24 Aug Hope cement works, Carboniferous limestone and Edale shale quarry, joint with MGA and NSGGA

6. Treasurer's Report Accounts presented. These have been audited and approved. Attached as Appendix 1

7. Geoconservation John Geldard reported that there was little actively happening currently. No site visits to report.

8. Election of Officers It was agreed that the President and Treasurer should remain in their current roles. Barbara Gordon was elected as Secretary. Dennis Lambert to join the Executive Committee

9. Gift Aid The treasurer requested that members fill in Gift Aid forms for submission to HMRC. This will allow us to claim an extra 25% on subscriptions.

10. Remaining Winter Programme 2022-23

February 10th: Brian Jeffery 'The Undara Lava Tubes',

3rd March: Nigel Price 'Thomas Sopwith 1803-79 mining engineer and much more'

14th April: Peter del Strother "The Canaries"

11. Summer Programme 2023 – in work, more details ASAP; Probable Trips:

Ingleton roadstone quarry, Ingleton Limestone Quarry - outstanding from 2022

Crummack Dale, joint with MGA; Alderley Edge, with MGA

Lake District with Westmorland GA. A number of other options also being investigated.

12. One hundred year anniversary A weekend trip to Anglesey, possibly in 2024 was proposed.

13. Other business The meeting thanked Dennis Lambert for providing refreshments.

## HARROW AND HILLINGDON GEOLOGICAL SOCIETY

[www.hhgs.org.uk](http://www.hhgs.org.uk)

At the beginning of the year there was still a lot of worry about Covid which resulted in discussions taking place during the first half of the year regarding the viability of returning to having a programme of face-to-face meetings. It was, however, decided that the cost of hiring a hall in our area would mean increasing our fees to an unacceptable level. Due to this it was decided to continue with on-line Zoom regular meetings but to try, in addition, to offer a number of both geologically based and purely social meetings. This resulted in a change in our membership fees in that we no longer offered a reduced rate for provincial membership but were able to keep our standard fees at a reasonable level. This has resulted in a small increase in membership.

A lot of work went on with redesigning our website in order to make it interesting, functional and current: traffic to the site has increased. We also now have a twitter account and a YouTube channel and are able to put short videos on YouTube.

We have managed to hold two short local exhibitions and have presented our Rock Show Online during the Easter holidays which resulted in a noticeable increase in the number of visitors to our website. We did, of course, put on extra on-line exhibitions for the GA Festival.

We have worked on a new format for some of the talks this year with the aim of interesting local people in local geology. Four of our short outside visits have been looking at local gravels and flood alleviation designs.

Our only residential field trip this year was to Wales and was a follow-up on a talk the previous year.

We have continued sharing Zoom meetings with Hertfordshire Geological Society and now also share with Reading GS. We are now hoping that the coming year will see us having more contact with Brunel University.



*Pre-Christmas Social and Investigating the geology of Ruislip Woods*



**HERTFORDSHIRE GEOLOGICAL SOCIETY**  
**www.hertsgeolsoc.org.uk**

Reflecting on 2022 it seems to have been an odd year, during which Hertfordshire Geological Society (HGS) has tried to get back to some kind of normality, but this has turned out to be a new “normal”, which still doesn’t seem to have any permanence to it. Overall, we’ve had a strong year of excellent speakers, with lectures well attended on Zoom in the first quarter of the year. Dr Neil Adams on mammal miniaturisation during the Paleogene hyperthermals, then Prof. Steve Sparks on the eruption of the Soufriere Hills volcano. Member Jo Conway followed the AGM with what satellites can tell you about local geology. In April, David Eve’s talk on geology and the construction of HS2 was also via Zoom as the college couldn’t guarantee completion date of the building work over Easter, so we put off returning for another month. Attendances were lower at the face-to-face meetings from May-October. At our first talk back with Dr Tony Waltham civil engineering met geology in the Panama Canal. In June, Dr Steve Stukins enlightened us on micropalaeontology and the mystery of the Middle Jurassic Lagerstätte from the UK. July saw Prof Mark Williams introduce us to the Anthropocene: a new epoch of geological time characterised by humans. The return was not without problems as the college had had a new system installed, requiring us to provide our own computer and obtain a log in ID/password from reception. The first two talks in the Autumn were also face-to-face. In September Dr Dougal Jerram talked about understanding large igneous provinces and volcanic rift margins. We had to find an alternative speaker in October as the booked one was now on maternity leave, she has been rearranged for 2023. Dr Auriol Rae stepped in with a talk on the first day of the Cenozoic: insights from the Chicxulub impact crater. We returned to Zoom in November, extending a winter invite our neighbouring societies. In November Dr Susannah Maidment outlined what was known about the Stegosaurian dinosaurs. We finished the year appropriately with a talk by Dr Andrew Finlayson on ices ages and infrastructure.

In February we were able to get a working party into Little Heath SSSI. After not being able to visit in 2021 there was plenty of work to be done, thanks to Clive Maton for the organisation. In April Bev Fowlston lead a joint trip with the Bedfordshire Geology Group along the Clophill Geotrail and Silsoe Quarry, thanks to Nick Pierpoint for organising this. In May for Geoweb Mike Howgate led a visit to the village of Ashwell (Mag GA 21 (3) 35-36). Thanks to Mike for organising and leading this trip. In August Jane Dottridge led us down Royston Cave and then Haydon Bailey took us to Barkway & Reed chalk pits (Mag GA 21 (4) 22-23). Thanks to Haydon for organising this trip. Our long weekend took us to Flamborough Head at the end of September lead by Paul Hildreth (Mag GA 22 (1) 23, 26-30). Thanks to Janet Wright for organising this trip. March 2022 saw the launch of the new HGS website. Many thanks go to Janet Wright, Margaret Selby, Nick Pierpoint, Clive Maton and Lesley Exton and everyone else who was involved in bringing this to fruition. It’s a much more user-friendly face for the society, including an enquiries section which has already yielded a whole series of questions during the year. Including one from an associate producer of the Channel 4 TV programme ‘Grand designs’. They had a house being built on the north side of Rickmansworth, on a site which was said to be “flint rich” and they wanted confirmation that the description was correct before it was put in the script. We also had a query about the River Hiz and its status as a chalk stream. So, the new website is serving

the broader Hertfordshire community and answering their geological queries. We’ve also had questions about flint meals, oddball glacial erratics and chalk mines.



***HGS at Flamborough Head***

**Lesley Exton, HGS**

**KENT GEOLOGISTS GROUP**  
[www.kgg.org.uk](http://www.kgg.org.uk)

The Kent Geologists Group had a very good year in 2022. Many new members joined for Zoom meetings and we were delighted to make them welcome. We had a good programme of speakers online and even held a 'Face to Face' meeting, in August, at our venue, The United Reformed Church, in Maidstone. All of this was thanks to the organisational skills of our Evening Meetings Secretary, Ann Barrett and our Webmaster, Duncan Stewart. As well as talks from very knowledgeable members, there were invited speakers, such as Dr Richard Hubbard and Dr Chris Duffin. Thanks to all our speakers for the great talks in 2022.

There have also been some field trips, including a residential trip to County Durham, led by Dr Anne Padfield. There, we saw much mining archaeology, as well as amazing geology: the Coal Measures, faults, the Whin Sill, mineralized veins, and a fossilised tree. Dr Richard Hubbard gave KGG a great walk around the Chalk cliffs near Broadstairs and brought the activities of 'smugglers' to life, when he showed us a sea cave leading to a 'blow hole'.

The KGG have a fantastic Committee, who work very hard to produce a programme of talks and events for the year and I would like to thank everyone for their commitment and enthusiasm. Nothing would be possible without Members of course, so my thanks goes out to them also.



***'Low Force',  
Teesdale, Co.  
Durham.***

**Dr Anne Padfield**  
**KGG Chairman**



**MOLE VALLEY GEOLOGICAL SOCIETY**  
[www.mvgs.org.uk](http://www.mvgs.org.uk)

As if 2021 wasn't bad enough for everyone, 2022 in the MVGS at times seemed to be competing for difficulty, although this time, more to do with illness among our venerable committee members than universal pandemic fears. Unfortunately, this led to the almost complete abandonment of our field trip programme (with one notable exception) although we managed a full year of fascinating lectures and our membership began to return towards pre-pandemic levels. Our first lecture of the year was also our last Zoomed lecture - to date. We looked at the first two years' results of our GA Curry-funded RaspberryShake Seismometer, with explanations of how it worked and what it had picked up until then, including earthquakes thousands of miles away. Not long after the lecture the Hunga Tonga-Hunga Ha'apai volcano on the other side of the world erupted violently, sending shockwaves and headlines around the world. In investigating whether this had been picked up in the Mole Valley (it hadn't – the associated earthquake was too small) we discovered that really large earthquakes with magnitudes of over seven from the New Zealand region could be detected – and easily at that, even though the signal had taken 20+ minutes to pass right through the core of the earth! This is remarkable and expands the utility of a seismic detector originally obtained merely to listen out for tiny earthquakes from Surrey. We did, of course, detect the recent devastating earthquakes and the largest aftershocks from Turkey. Many of the more significant earthquake traces have been uploaded to the MVGS website, where anyone can view them. Needless to say, no earthquakes have yet been recorded from Surrey.

Subsequent lectures were held in person and in February we heard about tufa mounds in Weymouth Bay, in March the history of fossil plants and in April the use of satellite data to detect even minute changes in ground surface levels. In May our extra-terrestrial geology lecture for the year was focussed on Venus and why it is so different from the Earth. With an unavoidable last-minute cancellation by our July lecturer, our President nobly stepped in to provide a presentation of the miseries of fieldwork on the Torridonian of the Inner Hebrides back in the last century when he was but a lad doing his PhD. Our November lecture was the year's archaeologically themed presentation, looking at the 400,000 year-old discoveries from Barnham in Suffolk and their cultural significance. The MVGS Summer Soirée was devoted to the examination of one of our members' large collection of geological artefacts, most from his own back garden, while our Christmas Soirée was graced by members' presentations on the Oil Sands of Canada and an appreciation of the geology and symbolism of Coronations from Edward the Confessor to King Charles III.

As previously noted, our fieldtrip programme had to be limited to a single, but excellent, trip to a couple of the Weald's Upper Greensand quarries to look for signs of tidal activity during deposition. Fortunately, we now have a dedicated fieldtrip organiser on our committee again and so 2023 should revert to multiple excursions. There is much to look forward to in 2023; let's hope that life doesn't get in the way again.



*Recording from our GA Curry Funded RaspberryShake seismometer from the morning of the recent devastating earthquakes in Turkey (as can be found on our website at [www.mvgs.org.uk/seismograms](http://www.mvgs.org.uk/seismograms)).*

**Dr Mark G. Eller**  
**Chairman**



## NORTH STAFFORDSHIRE GROUP OF THE GEOLOGISTS' ASSOCIATION

[www.nsgga.org](http://www.nsgga.org)

Membership for 2022 was slightly down, with a total of 68 members at the time of the AGM.

Committee meetings were held using Zoom, as was the AGM. At the 73rd AGM on 10 March 2022 the following officers were elected: General Secretary, Gordon McKeown; Treasurer, Tony Marks; Membership Secretary, David Osborn; Speaker's Secretary, Peter Jones; Field Secretary, Stephen Alcock; Bulletin Editor and GeoConservation Staffordshire Liaison Officer, Dr Ian Stimpson. Members elected to the executive committee: Dr Stuart Egan; Janet Osborn; John Reynolds. Barbara Kleiser stood down. Stephen Addison continued as Chair for the second year of his two-year term. The Vice Chair position being vacant, Peter Jones deputised as required.

The 2021/2022 lecture programme continued via Zoom. Our January lecture was "A recipe for disaster" (earthquake hazards) by Dr Ekbal Hussain (BGS). The February topic was "3D geological outcrop modelling and visualisation" by Dr Brian Burnham (Aberdeen University). The final lecture, in March, was the Chair's address: "Some of the more unusual landforms in Western Australia". Lectures at Keele University resumed for the 2022/2023 programme. In October, "Critical metals for combatting climate change and their sustainable extraction" was delivered by Dr Holly Elliott (University of Derby) and in November the 22nd Wolverson Cope Lecture "Solving the puzzle of Tornquist subduction: The contribution of F. Wolverson Cope and early scientific drilling in the UK" by Dr Tim Pharaoh (BGS). The Christmas social was held at Keele and featured a buffet and an entertaining talk by Clive Mitchell of the BGS "A Pebble Spotters Guide" based on his book.

The annual John Myers awards for Keele University Geology student projects were selected in July. Medal winners were George McElroy for the BSc course project "The Wrekin" and Kieran Taylor with the Masters degree course project "The Siliceous Nodules of Cnicht & Yr Arddu, Snowdonia, Wales: Characteristics, Spatial Variation, and Formation". Runner-up awards went to Laura Summers (Masters) and Muráine Grantham (BSc).

Field trips resumed. The first (26th March) joint with the Manchester group (MGA) to the Carboniferous limestone Trefor Rocks above Llangollen, led by Peter del Strother. In May, Dr Stuart Egan led a weekend field trip Watchet in North Somerset. In June, Dr. Albert Benghiat led a joint field trip (Shropshire Geology Society) to the Onny Valley. In July, members participated in a joint field trip to The Roaches (EMGS), led by Martin Whiteley. There was a joint trip with MGA, GeoLancashire & OUGS to Hope Cement Works in late August led by Peter del Strother. In September, Tony Wood (PDMHSoc) led a walk around Winster.

In November, volunteers from the group assisted with a public outreach Fossils event in association with the National Trust at Biddulph Grange linked to the restored Bateman Gallery. In 2022 we noted the sad passing of Professor Chris King who was a leading figure in Earth Science education and a Halstead Medal winner. He was a member of the NSGGA whilst working as an academic at Keele.

**NSGGA visit to  
The Roaches**



**READING GEOLOGICAL SOCIETY**  
**[www.readinggeology.org.uk](http://www.readinggeology.org.uk)**

This year was a step towards normality, we held field meetings and returned to the lecture theatre with hybrid meetings from June onwards; published our newsletter and noticed a definite return to enthusiasm amongst the members for the society. We are very grateful to our members for continuing to support us, to the committee for keeping everything going successfully and to the GA for their support. We are pleased that our membership has increased to 76 and we have a great enthusiasm for field meetings again especially amongst newer members. Our lecture programme, organised by Roger Hurley, was "virtual" for the first five months, then we were able to open up again and offer hybrid lectures. Over the year, ten lectures were arranged from various speakers starting with Dr Tom Dunkley Jones on the Eocene thermal maximum, followed by our President, Dr Clive Edmonds on Engineering geohazard challenges and Prof Peter Worsley on the Voyage of the Beagle. Prof Robin Shail gave the last fully virtual lecture on Southwest England. In June, we had the first hybrid lecture with Dr Sudeshna Basu on the evolution of the Nitrogen Cycle. We held local geological rambles in July and August and in September Lesley Dunlop lectured on the topic of the lapetus Ocean, followed by hybrid lectures from Dr Joel Davis on Mars and from Dr Simon Stephenson on processes within the Earth's mantle manifest at the surface in landscapes and in the geological record. The last lecture in December was a members evening. Hosting hybrid lectures has been very successful, and thanks are given to the team of Roger York and Roger Hurley. We circulate our lectures link to our members and Farnham GS members and Harrow and Hillingdon GS members; other societies are invited to email us for the link. Being able to reach larger audiences has increased our membership overall which is excellent for the society, and we are hopeful that we will be able to encourage these new members to attend our field meetings.

We held two four-day field meetings during the year as well as monthly day trips. The first long meeting was to Pembrokeshire led by Sid Howells, held jointly with Farnham Geological Society. In the Autumn we went to the Peak District led by Peter Jones, Vanessa Banks and Jim Riding. Day field meetings were to Inkpen, a joint meeting with West Sussex to Nyman's Garden, to West Woods sarsen stones with Peter Worsley, to Buckinghamshire with Haydon Bailey, Somerset with Doug Robinson, the Cotswolds with David Green, Faringdon with David Ward and our usual Museum visit, this year to the Natural History Museum in Oxford. David Ward hosted a splendid Mad Hatters' tea party in the summer and it was good for the society to get together again after the pandemic. Elaine Butler took over the role of the Newsletter Editor and we have published three Newsletters this year and along with the GA Geology from your sofa and electronic versions of Down to Earth, as well as regular emails from the secretary, we have endeavoured to maintain good contact with our members. We are proud of our association through David Ward and Alison Barraclough with SchoolRocks!, an active initiative within the GA. We are also proud of the wonderful and varied outreach programme organised by Alison and David.

The RGS website proves invaluable for advertising, bringing in new members and reporting on our activities, thanks to Malcolm Butler, our webmaster. Ailsa Davies as chairman, with the support of Hilary Jensen as secretary, Carole Gregory as treasurer, Roger York as membership secretary along with Roger Hurley, David Ward, Alison Barraclough, Elaine Butler and Geoff Marsden proved again to be a strong committee.



*Bees Nest Pit, Brassington, September 2022*

**SOUTH WALES GEOLOGISTS' ASSOCIATION**  
**CYMDEITHAS Y DAEAREGWYR – GRWP DE CYMRU**  
**www.swga.org.uk**

The covid restrictions have reduced and affected our activities to a much smaller degree this year. However, uncertainty at the beginning of the year regarding availability of University lecture rooms, meant we continued to use Zoom for the Spring indoor events. Holiday Geology took place on 8<sup>th</sup> January, again on-line. This was followed by 3 lectures, all on Zoom: 22nd January: Kevin Privett, University of Portsmouth, spoke on 'Geological influences on the development of the City of Bath and its environs'; on 19th February, Professor Brian PJ Williams, University of Aberdeen, spoke on 'The Lower Old Red Sandstone of S.W. Wales: old enigmas and new perspectives'. Our AGM took place on 19<sup>th</sup> March, online for the third time. It was followed by Chris Lee's retiring Presidential address on Bivalve Mounds and Reefs of the Middle Lias (Domerian) of the Central High Atlas Morocco'. The Autumn series of talks were a mix of face-to-face meetings and Zoom. The benefits of continuing to use Zoom occasionally allows us to invite speakers from further afield and for members to join in who are less able to travel to physical meetings. 6 Oct 2022, Duncan Hawley spoke via Zoom about 'William Smith in South Wales'. On 29 Oct 2022, our first 'live' lecture took place in Cardiff. Prof Philip Hughes, Head of Geography, University of Manchester spoke on 'Quaternary glaciation in the Mediterranean mountains - from Morocco to Montenegro'. The cost of hiring the Lecture Hall in Swansea is now very high so a new venue was trialed on the outskirts of Swansea on 19 Nov 2022. Ewan Thomas of MD Geotechnology Ltd talked about 'Engineering the Ground in South Wales: The Role of a Geologist in Construction'. We were back on Zoom on 10<sup>th</sup> December to hear about 'Tectonics and mountain building in the Himalaya' from Prof Mike Searle, University of Oxford.

The first field trip of the season took place on 23 April when Elen Statham led 19 of us along the still under development Llanbadoc Geological Trail near Usk. The Group's comments and questions helped to inform the accompanying leaflet that is in production. Sid Howells led 13 of us along the coast between Amroth to Wiseman's Bridge on 15<sup>th</sup> May, outwards along the beach returning via the cliff top. We were able to examine the sequences and structures of the Coal Measures that are exposed in this area. On 11 June Gareth George led 25 members on a day at Caswell Bay and the Mumbles. Here we looked at the Carboniferous Limestone facies, discussing the stratigraphic framework. Rockwatch made their annual visit on 16/17 July meeting at the Usk Inlier and at Penarth, leaders were Elen Statham and Stephen Howe. We visited Penarth again on 13 August when John Nudds and Cindy Howells organised our Family Day on the beach. Lesley Cherns led a joint trip to the North Somerset Coast on 10 September where we looked at the Triassic-Jurassic succession as well as structural evidence of the Bristol Channel Basin. Our final trip was on 2 October to the Forest of Dean led by Tom Cotterell. None of the other external events we normally attend took place.

The Committee met on 4 occasions, all but one, via Zoom. A new venue was used as our normal one has not reopened since covid. The Committee believes it has achieved the aims and objectives of the Group.



**SWGA on the North Somerset Coast looking at the Triassic-Jurassic succession as well as structural evidence of the Bristol Channel Basin.**

## WEST SUSSEX GEOLOGICAL SOCIETY

[www.wsgs.org.uk](http://www.wsgs.org.uk)

Committee: incoming Chairman David Bone, Deputy Chairman & Field Trip Secretary John Lonergan (outgoing Chair), Outcrop Editor Jo Paxton, Membership Secretary & Webmaster Alan Bell, Treasurer Micky McKinnon, Andy Cosham, Betty Steel & Alan Winter. In February we held our first in person AGM since February 2020, we're still here, and back to real talks and fieldtrips. We even had an in-person committee meeting, in the World's End, others were virtual; it works well for these. We have learnt that virtual talks work, so will continue to run a few of these each year, as it both enables those who can't join us here in the hall to participate, and the invitation of speakers from further afield. We currently have about 80 members (including six honorary members), ranging from enthusiastic beginners to acknowledged experts. We produced our twice-yearly journal *Outcrop* (thanks to Jo Paxton) and maintained our website. We have gained a few new members this year, and we moved back to in person talks in March (from which I caught Covid!). We continued to keep in contact with our members, (thanks to Alan Winter), sending out links to websites, talks and publications. We record our thanks to the GA for their "Geology from your Sofa" links and online talks. We are still involved with the Worthing Heritage Association and plan to support their Heritage week in June 2023. We ran a geology day at the Novium and a stall at the Rock and Mineral Show in Haywards Heath - thanks to David Bone for organising these.

We resumed talks in March and ran a mix of in person and Zoom. In January, Reading the Ground, with Dr. Andrew Hart., then in February our AGM and David Bone speaking on the Roman Ditroura Limestone, in March the Kas Crater by Alison Ure, in April we heard David Shilston's The Glossop Medal Lecture, then in May The Geology of the Channel Islands, by Dave Went, in June, the stegosaurian dinosaurs by Dr Susannah Maidment, NHM. Following our summer break, in September we welcomed everyone back with a Members social meeting, in October, Gold from Source to Shop, by David Alderton, then Andy Cosham stepped in at short notice to talk on Iceland in November. In December, for our Members Christmas Meeting, David Bone talked on the Geology of Namibia.

We recommenced field trips from March. March was Nymans led by David Bone and Greg Thomas, April was a Geowalk on the Pulborough Ridge led by me, in June David showed us the building stones of St Mary's Church, Shoreham, in July the geology of Seaford Head with Andy Cosham, in August David Bone ran his Pebbles on the Beach (lots of members of the public!), in September Alex Vincent led us around Cissbury Ring (sadly we cannot guarantee all members find a neolithic hand axe), in October David Bone led us on Highdown. Our Isle of Wight field trip planned for May 2020 ran successfully in October 2022, though we cannot guarantee that all members find a dinosaur leg bone, unfortunately.

Some of the WSGS finds: Left- Vikki Wells found a Neolithic hand axe on our Cissbury Ring field trip and right - Jan Newnham found an Iguanodon leg bone on our Isle of Wight weekend.

We have a full programme planned for 2023, including a long weekend to the Brecon Beacons. The talks planned for 2023 are mostly in person, with some on Zoom, see the website. I am really glad we are now back to in person talks and events – much more enjoyable. We'll still have a few talks on Zoom., so everyone can participate. I'd also like to thank our committee for all their work and cheerfulness in keeping everything running. After thirteen years as Chairman, I now hand over to David Bone, the WSGS is in safe hands!.



*Some of the WSGS finds:  
Left- Vikki Wells found a  
Neolithic hand axe on our  
Cissbury Ring field trip and  
right - Jan Newnham found  
an Iguanodon leg bone on  
our Isle of Wight weekend.*

# TREASURER'S REPORT and FINANCIAL STATEMENT

1<sup>st</sup> January to 31<sup>st</sup> December 2022

*The Geologists' Association (GA) is registered as a charity in England and Wales, and constitutes a public benefit as defined by FRS 102 (as amended for accounting periods commencing from 1 January 2019). The financial statements were prepared in accordance with the accounting policies set out in the notes to the financial statements and comply with the charity's governing document, the Charities Act 2011, and Accounting and Reporting by Charities: Statement of Recommended Practice applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland on 16 July 2014, and with Accounting Standards (UK Generally Accepted Practice) as applied from 1<sup>st</sup> January 2015.*

The GA finances are recorded in the accounts (below); they are in three parts:

- An **Unrestricted fund** provides money for the day-to-day administration of the GA and, at the Trustees' discretion, is applied in furtherance of the GA's charitable objectives (**General Fund**).
- Three **Restricted funds** provide money for the day-to-day administration of **Rockwatch** (the junior section of the GA), to support production of the **Earth Heritage Magazine** and to fund **"Schoolrocks!"** (Champion Fund).
- **Endowment Funds**, which include Bequests, Legacies and Gifts where the capital is invested and the GA uses the income to pursue its charitable responsibilities.

## HIGHLIGHTS

	Unrestricted General Fund	Restricted Funds	Endowment Funds	2022 Total	2021 Total
<b>Total net assets</b>	£517,320	£236,826	£1,485,136	£2,239,282	£2,426,068
<b>Total income</b>	£160,162	£40,653	£65,656	£266,471	£287,834
<b>Total expenditure</b>	£146,737	£58,850	£29,319	£230,906	£230,019

The principal sources of income are summarised on p5 and p6, and detailed on p11 of the accounts (below); the principal items of expenditure are summarised on p5 and p6, and detailed on p13 of the accounts. Donations and Legacies received during 2022 are listed at the end of this report.

The GA has an investment portfolio of some £1.873M, monitored by the Treasurer's Investment Panel and by the Trustees. The objectives of the **Investment Portfolio** are to maintain long-term capital value and to yield a growing income. The GA continued to focus on income generation from the investments.

The Covid-19 pandemic, Ukraine war and consequent inflation rise, had a significant negative effect on international financial stock markets. During 2022, recovery from the Covid-19 pandemic was materially offset by the Ukraine war; the capital value of the GA's investment portfolio decreased by ~9.5%, largely due to a decrease in gilt stock and bond values of ~19%. Total investment income was £70,813, an increase of ~13.5% compared with 2021, an excellent recovery from the effect of the Covid-19 pandemic.

## PRINCIPAL FINANCIAL RISKS AND UNCERTAINTIES

Income for the **General Fund** was threatened, particularly, on three fronts – a decrease of membership subscriptions, of income from publications and of income from investments.

To mitigate these risks, the GA made particular use of the internet, using web-conferencing facilities for meetings and to disseminate geological information. The GA continued to diversify its publications - advancement of science (Proceedings of the Geologists' Association (PGA)), popular science (GA Magazine, Geology To-Day, Field Guides), Geo-conservation (Earth Heritage Magazine), and low cost, outreach activities ("Schoolrocks!", "Geolab", "Geology from your Sofa").

## GENERAL FUND

Achieved a surplus of £13,425. Compared with 2021, total income decreased (~12%) and total expenditure increased (~4.5%); investment income increased by ~9.5%. Income reductions included Geology Today (~8.5%) and the GA Field Guides (~16%). Council, committee and lecture meetings were held via web conferencing communication; the £2,586 cost was a very substantial saving on live meetings (£19,350 for live meetings prior to the Covid pandemic (2019)).

## **ROCKWATCH FUND**

Funding depends on subscriptions, investment income and, particularly, donations. In 2022, income from subscriptions decreased by ~12% and investment income remained robust (~13% increase). Rockwatch was very fortunate to receive a very generous donation of £19,443 from Chris Darmon's Nationwide Geology Club. The large donations from industry received in past years, ceased; consequently, Rockwatch expenditure exceeded income by £14,880.

Income to support Rockwatch depends upon major donations; thus, the principal risk for Rockwatch is the loss of such support.

## **EARTH HERITAGE FUND**

Income depends on generous support from Natural England, Scottish Natural Heritage, the Quaternary Research Association and the GA. These contributions depend upon funds available to the respective organisations. Dividends from the Fund's investment portfolio made a significant contribution. Income continued to be robust in 2022 and the EH Fund has sufficient reserves to support production of the Magazine for a number of years.

## **"RESERVES"**

The GA has established a "reserves" policy for the principal operational Funds (General, Rockwatch, Earth Heritage). The policy is to maintain some 2 years' "reserve" to mitigate loss of income which could prevent the GA's ability to meet planned commitments, and administrative and governance costs. These reserves will be accessed only when income and cash are insufficient to meet costs. The moneys are invested to provide income to support the charitable work of the Association. The General Fund "reserve" of £356,000, is sufficient to support some 2.3 years normal expenditure; the Rockwatch "reserve" of £140,116 equates to some 3 years normal expenditure; the Earth Heritage Fund "reserve" of £29,200 represents about 8 years normal expenditure.

In 2022, there was a surplus (positive) cash flow for the General (£13,425) and Earth Heritage Funds (some £680); Rockwatch showed a negative cash flow (£14,880); (p18 of the accounts provides details).

## **PUBLICATIONS**

Royalties received for the PGA were £51,600 (2021: £47,500). Income from "Geology To-Day" (jointly owned with the Geological Society of London and publisher Wiley) was £10,500 (2021: £11,500). Geological Field Guide sales were £8,070 (2021: £9,600); two new guides to Alderney and La Hague, and to the Himalayas were published, and our Field Guides editor, Susan Marriott is preparing a number of new Guides for publication.

We thank, particularly, all of the authors, PGA Editor Malcolm Hart and Publisher Elsevier, Geology To-Day Editor Peter Doyle and Publisher Wiley, and Field Guides Editor Professor Susan Marriott.

The GA Magazine provided a GA "news-sheet" for the membership. Successful production was enhanced by the very close co-operation achieved with the Publisher. We thank editor Liam Gallagher, Sarah Stafford in the office, and publishers David Vaughan Print Management for an excellent product.

In financial partnership with Natural England, Scottish Natural Heritage (NatureScot) and the Quaternary Research Association, the GA published two volumes of Earth Heritage Magazine free, on-line (dedicated to Geo-conservation).

## **DONATIONS and LEGACIES**

The GA is extremely grateful for all Donations and Legacies; they enable the GA to pursue its charitable objectives and to do something new that the donor or the GA members may wish to see implemented. (There are significant **TAX** benefits. Legacies reduce the inheritance tax duty on an estate, whilst the GA can reclaim an additional 25% **GIFT AID** on Legacies (Gifts) made during a donor's lifetime.) Donations and Legacies received in 2022 are listed below.

## **GRANTS and AWARDS**

The GA made Grants and Awards to support geological research for new (undergraduate, MSc, PhD) and established researchers, and to support worthy undergraduates in their studies, thanks to the Endowment funds. The GA was delighted to award a total of about £6,850 to 13 recipients and events (2021: £5,000 to 11 recipients). In addition, the Curry Fund provided some £9,580 grants (2021 £20,050). The relatively



low number of grants reflects fewer applications, perhaps due to continued consequences of the covid-19 pandemic.

## **SUNDRIES**

The considerable number of members, and the public, who used the GA's **on-line electronic payment facilities** to purchase goods and services and pay subscriptions, significantly eased the administration pressures on the GA office.

I (and the Trustees) thank the GA's **Investment Panel** for their invaluable, wise, advice concerning the GA's investment portfolio (Professor Bernard Leake, Susanna van Rose, Susan Brown, Dr Christopher Green, Graham Hickman). On a personal note, I thank Sarah Stafford in the GA office, Maurice Whiteley (the GA's accountant) and Carolyn Born (from the GA's auditors, Simpkins Edwards) for their continued, amazing patience and good humour when they assist and advise the Treasurer.

On balance, the GA had a reasonable financial year. Future risks remain, concerning the economic environment which threatens our Investment Portfolio, membership decline, an uncertain revenue from our publications and the consequences of increasing inflation.

**Events** which enabled the GA to fulfill its public objectives included: lectures, a programme for our young geologists (Rockwatch), publications to further geological science (PGA) and Geo-conservation (Earth Heritage Magazine), education (School/Rocks!, Geolab, Geology from your Sofa), and a flow of monies to support exceptional students, geological research, the projects of numerous geological groups around the country and support for Geo-conservation.

## **EXTERNAL RISK FACTORS**

**Covid-19 restrictions and consequences:** In line with Government advice, GA staff worked, in part, from home. Meetings of the Council of Trustees, committee meetings, monthly lectures and the GA Student Symposium were held, predominantly, via web conferencing communication. The GA's conference was live, with Covid restrictions in place; some outdoor field trips were cancelled, partly replaced by on-line workshops.

**The Ukraine war**, and its consequences (high inflation), presented a risk to the GA's investment portfolio, particularly its capital value. In the short term, daily fluctuations of the worlds' stock markets will be greater than in the recent past, perhaps with a net effect of a limited reduction in capital values. Any medium-term quantitative estimate of the effect is speculation. In the long term, business is likely to adjust to the new realities. Most of the GA's investments are in collective funds, thus spreading the investment risk and benefitting from the expertise of a significant number of fund managers.

**Investments:** the world's stock markets, having shown a remarkable recovery from the covid-19 pandemic during 2021 were negatively affected by the Ukraine war in 2022. By end 2022 the GA's investment portfolio had decreased by about 9.5% from end 2021; on a more optimistic note, the income from the investments increased by about 13.5%.

The GA has sufficient resources to maintain its prime functions through 2023-2025; grants from our Endowment Funds can be tailored to match income; most of the endowment funds also include some free cash; the Restricted Funds (Rockwatch, Earth Heritage, Champion) have sufficient cash and income.

For the General Fund, there were significant cost reductions. Some activities were cancelled and some activities used web-conferencing communication. Other expenses can be tailored to match income (e.g. Field Guide publications).

## **IN SUMMARY**

Overall, The GA's 2022 finances registered another reasonable performance.

*Dr Graham M Williams,  
Honorary Treasurer*

## **ANNUAL ACCOUNTS**

*The accounts for 2022 appear at the end of this report.*

### **DONATIONS & LEGACIES**

#### **DONATIONS:**

##### **GENERAL FUND:**

Elsevier	£2,000
G Lucy	£250
G Eisenhower	£50
Clavering Landscape & History Gp	£75
Michaels	£55
Anon	£24

##### **ROCKWATCH FUND:**

Nationwide Geology Club	£19,443.43
JE Robinson	£100

##### **PALAEONTOLOGICAL FUND:**

Anon (via David Feldman SA)	£14,308
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#### **LEGACIES:**

Rose Mary Sales	£1,000.38
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**THE GEOLOGISTS ASSOCIATION**  
**ANNUAL REPORT AND FINANCIAL STATEMENTS**  
**FOR THE YEAR ENDED 31 DECEMBER 2022**

# THE GEOLOGISTS ASSOCIATION

## LEGAL AND ADMINISTRATIVE INFORMATION

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**Trustees**

Ms S Brown  
Dr G M Williams  
Dr M J Oates  
Professor D R Bridgland  
Dr C D Prosser  
Dr H W Bailey  
Dr J Larwood  
Dr I Sutton  
Dr L Gallagher  
Mr N Pierpoint  
Mr D Ward  
Mr G Hickman  
Mr P Jones  
Dr V Banks  
Professor T Dore  
Ms J Wright  
Mr D Cropp  
Mrs J Osborn  
Mr R Wrigley  
Professor J Cosgrove

**Charity number**

233199

**Principal address**

Burlington House  
Piccadilly  
London  
W1J 0DU

**Auditor**

Simpkins Edwards Audit LLP  
Michael House  
Castle Street  
Exeter  
Devon  
EX4 3LQ

**Bankers**

CCLA Investment Management Limited  
COIF Charity Funds  
80 Cheapside  
London  
EC2V 6DZ

The Curry Fund  
Barclays Bank Plc  
Leicester  
LE87 2BB

Lloyds Bank Plc  
Blackheath London Branch  
PO Box 1000  
BX1 1LT

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# THE GEOLOGISTS ASSOCIATION

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# THE GEOLOGISTS ASSOCIATION

## STATEMENT OF TRUSTEES' RESPONSIBILITIES

***FOR THE YEAR ENDED 31 DECEMBER 2022***

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The trustees are responsible for preparing the Trustees' Report and the 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 trustees to prepare financial statements for each financial 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 year.

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 Charities SORP;
- make judgements and estimates that are reasonable and prudent;
- state whether applicable accounting standards have been followed, subject to any material departures disclosed and explained in the financial statements; and
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the charity will continue in operation.

The trustees are responsible for keeping sufficient 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 Charity (Accounts and Reports) Regulations 2008 and the provisions of the trust deed. They are also responsible for safeguarding the assets of the charity and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

# THE GEOLOGISTS ASSOCIATION

## INDEPENDENT AUDITOR'S REPORT

### TO THE TRUSTEES OF THE GEOLOGISTS ASSOCIATION

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#### Opinion

We have audited the financial statements of The Geologists Association (the 'charity') for the year ended 31 December 2022 which comprise the statement of financial activities, the balance sheet and 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 31 December 2022 and of its incoming resources and application of resources, 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 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 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
- sufficient accounting records have not been kept; or
- the financial statements are not in agreement with the accounting records; or
- we have not received all the information and explanations we require for our audit.

# THE GEOLOGISTS ASSOCIATION

## INDEPENDENT AUDITOR'S REPORT (CONTINUED)

### TO THE TRUSTEES OF THE GEOLOGISTS ASSOCIATION

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#### Responsibilities of trustees

As explained more fully in the statement of trustees' responsibilities, 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 cease operations, or have no realistic alternative but to do so.

#### Auditor's responsibilities for the audit of the financial statements

We have been appointed as auditor under section 145 of the Charities Act 2011 and report in accordance with the Act and relevant regulations made or having effect thereunder.

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

Irregularities, including fraud, are instances of non-compliance with laws and regulations. We design procedures in line with our responsibilities, outlined above, to detect material misstatements in respect of irregularities, including fraud. The extent to which our procedures are capable of detecting irregularities, including fraud, is detailed below.

#### Risks identified

#### Audit response

Unauthorised bank payments

Audit testing has confirmed that the management do not have the authority to make payments from the Charity's bank accounts

Unauthorised decisions by management

The minutes of trustee meetings have been reviewed in order to ensure that no action of the Charity has been undertaken without the trustees making that decision.

Completeness of income

Testing has established that the income of the charity is correct

A further description of our responsibilities is available on the Financial Reporting Council's website at: <https://www.frc.org.uk/auditorsresponsibilities>. This description forms part of our auditor's report.

# THE GEOLOGISTS ASSOCIATION

## INDEPENDENT AUDITOR'S REPORT (CONTINUED)

### TO THE TRUSTEES OF THE GEOLOGISTS ASSOCIATION

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#### Other matters

Your attention is drawn to the fact that the charity has prepared financial statements in accordance with "Accounting and Reporting by Charities: Statement of Recommended Practice applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102)" (as amended) in preference to the Accounting and Reporting by Charities: Statement of Recommended Practice issued on 1 April 2005 which is referred to in the extant regulations but has now been withdrawn.

This has been done in order for the financial statements to provide a true and fair view in accordance with current Generally Accepted Accounting Practice.

#### 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.

**Simpkins Edwards Audit LLP**

.....

**Chartered Accountants**

**Statutory Auditor**

Michael House  
Castle Street  
Exeter  
Devon  
EX4 3LQ

Simpkins Edwards Audit LLP is eligible for appointment as auditor of the charity by virtue of its eligibility for appointment as auditor of a company under section 1212 of the Companies Act 2006.

# THE GEOLOGISTS ASSOCIATION

## STATEMENT OF FINANCIAL ACTIVITIES

FOR THE YEAR ENDED 31 DECEMBER 2022

### Current financial year

		Unrestricted funds 2022	Restricted funds 2022	Endowment funds 2022	Total 2022	Total 2021
	Notes	£	£	£	£	£
<b>Income from:</b>						
Subscriptions, donations and legacies	3	48,862	32,068	14,308	95,238	115,125
Charitable activities	4	87,989	1,927	-	89,916	98,757
Other trading activities	5	10,504	-	-	10,504	11,500
Investments	6	12,807	6,658	51,348	70,813	62,452
<b>Total income and endowments</b>		<b>160,162</b>	<b>40,653</b>	<b>65,656</b>	<b>266,471</b>	<b>287,834</b>
<b>Expenditure on:</b>						
Charitable activities	7	142,882	54,850	29,319	227,051	226,384
Audit		3,855	-	-	3,855	3,635
<b>Total resources expended</b>		<b>146,737</b>	<b>54,850</b>	<b>29,319</b>	<b>230,906</b>	<b>230,019</b>
Net gains/(losses) on investments	10	(43,960)	(24,748)	(153,643)	(222,351)	134,603
<b>Net (outgoing)/incoming resources before transfers</b>		<b>(30,535)</b>	<b>(38,945)</b>	<b>(117,306)</b>	<b>(186,786)</b>	<b>192,418</b>
Gross transfers between funds		(1,000)	1,000	-	-	-
<b>Net movement in funds</b>		<b>(31,535)</b>	<b>(37,945)</b>	<b>(117,306)</b>	<b>(186,786)</b>	<b>192,418</b>
Fund balances at 1 January 2022		548,855	274,771	1,602,442	2,426,068	2,233,650
<b>Fund balances at 31 December 2022</b>		<b>517,320</b>	<b>236,826</b>	<b>1,485,136</b>	<b>2,239,282</b>	<b>2,426,068</b>

The statement of financial activities includes all gains and losses recognised in the year.

All income and expenditure derive from continuing activities.



# THE GEOLOGISTS ASSOCIATION

## STATEMENT OF FINANCIAL ACTIVITIES (CONTINUED)

FOR THE YEAR ENDED 31 DECEMBER 2022

Prior financial year (2021)

		Unrestricted funds 2021 £	Restricted funds 2021 £	Endowment funds 2021 £	Total 2021 £
	Notes				
<b>Income from:</b>					
Subscriptions, donations and legacies	3	62,039	34,408	18,678	115,125
Charitable activities	4	98,541	216	-	98,757
Other trading activities	5	11,500	-	-	11,500
Investments	6	11,692	5,569	45,191	62,452
<b>Total income and endowments</b>		<b>183,772</b>	<b>40,193</b>	<b>63,869</b>	<b>287,834</b>
<b>Expenditure on:</b>					
Charitable activities	7	136,564	47,716	42,104	226,384
Audit		3,635	-	-	3,635
<b>Total resources expended</b>		<b>140,199</b>	<b>47,716</b>	<b>42,104</b>	<b>230,019</b>
Net gains/(losses) on investments	10	12,079	19,485	103,039	134,603
<b>Net (outgoing)/incoming resources before transfers</b>		<b>55,652</b>	<b>11,962</b>	<b>124,804</b>	<b>192,418</b>
Gross transfers between funds		(1,000)	1,000	-	-
<b>Net movement in funds</b>		<b>54,652</b>	<b>12,962</b>	<b>124,804</b>	<b>192,418</b>
Fund balances at 1 January 2021		494,203	261,809	1,477,638	2,233,650
<b>Fund balances at 31 December 2021</b>		<b>548,855</b>	<b>274,771</b>	<b>1,602,442</b>	<b>2,426,068</b>

The statement of financial activities includes all gains and losses recognised in the year.

All income and expenditure derive from continuing activities.

# THE GEOLOGISTS ASSOCIATION

## BALANCE SHEET

AS AT 31 DECEMBER 2022

	Notes	2022 £	£	2021 £	£
<b>Fixed assets</b>					
Tangible assets	11		592		740
Investments	12		1,875,442		2,077,805
			<u>1,876,034</u>		<u>2,078,545</u>
<b>Current assets</b>					
Stocks	13	41,230		41,009	
Debtors	14	57,371		63,111	
Cash at bank and in hand		343,870		341,511	
		<u>442,471</u>		<u>445,631</u>	
<b>Creditors: amounts falling due within one year</b>	15	(79,223)		(98,108)	
Net current assets			363,248		347,523
<b>Total assets less current liabilities</b>			<u>2,239,282</u>		<u>2,426,068</u>
<b>Capital funds</b>					
<u>Endowment funds - general</u>					
Permanent endowment		792,792		855,544	
Expendable endowment		692,344		746,898	
	16		1,485,136		1,602,442
<b>Income funds</b>					
Restricted funds	17		236,826		274,771
Unrestricted funds			517,320		548,855
			<u>2,239,282</u>		<u>2,426,068</u>

The financial statements were approved by the Trustees on .....

.....  
Dr G M Williams  
Trustee

.....  
Mr G Hickman  
Trustee

# THE GEOLOGISTS ASSOCIATION

## NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 DECEMBER 2022

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### 1 Accounting policies

#### Charity information

The Geologists Association is a public benefit entity and a registered charity in England and Wales and is unincorporated. The address of the principal office is Burlington House, Piccadilly, London, W1J 0DU.

#### 1.1 Accounting convention

The financial statements have been prepared in accordance with the charity's governing document, the Charities Act 2011 and "Accounting and Reporting by Charities: Statement of Recommended Practice applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102)" (as amended for accounting periods commencing from 1 January 2019). The charity is a Public Benefit Entity as defined by FRS 102.

The charity has taken advantage of the provisions in the SORP for charities applying FRS 102 Update Bulletin 1 not to prepare a Statement of Cash Flows.

The financial statements have departed from the Charities (Accounts and Reports) Regulations 2008 only to the extent required to provide a true and fair view. This departure has involved following the Statement of Recommended Practice for charities applying FRS 102 rather than the version of the Statement of Recommended Practice which is referred to in the Regulations but which has since been withdrawn.

The financial statements are prepared in sterling, which is the functional currency of the charity. Monetary amounts in these financial statements are rounded to the nearest £.

The financial statements have been prepared under the historical cost convention, modified to include certain financial instruments at fair value. The principal accounting policies adopted are set out below.

#### 1.2 Going concern

At the time of approving the financial statements, the trustees have a reasonable expectation that the charity has adequate resources to continue in operational existence for the foreseeable future. Thus the trustees continue to adopt the going concern basis of accounting in preparing the financial statements.

#### 1.3 Charitable funds

Unrestricted funds are available for use at the discretion of the trustees in furtherance of their charitable objectives.

Restricted funds are funds that can only be used for restricted purposes within the objects of the charity. Restrictions arise when specified by the donor or when funds are raised for a particular purpose. The purposes and uses of the restricted funds are set out in the notes to the financial statements.

Endowment funds are those funds from which only the income may be used in furtherance of the Association's charitable purposes.

#### 1.4 Incoming resources

Income is recognised when the charity is legally entitled to it after any performance conditions have been met, the amounts can be measured reliably, and it is probable that income will be received.

Subscriptions and associated tax claims are included in the year to which the subscription relates. Donations are accounted for on receipt. Legacies are recognised by reference to the date probate is granted, or if later, as soon as they are capable of being reliably measured.

Income from trading activities consists of the profit share on 'Geology Today', together with royalties on the sale of 'the Proceedings of the Geologists Association'.

Income from dividends is accounted for on receipt. Interest is accounted for on an accruals basis.

# THE GEOLOGISTS ASSOCIATION

## NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 31 DECEMBER 2022

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### 1 Accounting policies

(Continued)

Sales of publications, income from field meetings, insurance and from miscellaneous income are included in the financial statements when due.

#### 1.5 Resources expended

All expenditure is accounted for on an accruals basis and has been classified under headings that aggregate all costs related to the category. Where costs cannot be directly attributed to particular headings they have been allocated to activities on a basis consistent with the use of resources.

Charitable activities include the costs involved of providing the activities that the Geologists' Association provides.

Governance costs include those incurred in the governance of the charity and its assets, and are primarily associated with constitutional and statutory requirements.

Grants payable are recognised in the financial statements when a commitment has been made, and there are no conditions to be met relating to the grant which remain in the control of the charity. Grants with performance conditions are only recognised in the statement of financial activities once the recipient of the grant has provided the specified service or output.

#### 1.6 Tangible fixed assets

Tangible fixed assets are initially measured at cost and subsequently measured at cost or valuation, net of depreciation and any impairment losses.

Depreciation is recognised so as to write off the cost or valuation of assets less their residual values over their useful lives on the following bases:

Fixtures and fittings	20% per annum on a reducing balance basis
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The gain or loss arising on the disposal of an asset is determined as the difference between the sale proceeds and the carrying value of the asset, and is recognised in the statement of financial activities.

#### 1.7 Fixed asset investments

Fixed asset investments are initially measured at transaction price excluding transaction costs, and are subsequently measured at fair value at each reporting date. Changes in fair value are recognised in net income/(expenditure) for the year. Transaction costs are expensed as incurred.

#### 1.8 Impairment of fixed assets

At each reporting end date, the charity reviews the carrying amounts of its tangible assets to determine whether there is any indication that those assets have suffered an impairment loss. If any such indication exists, the recoverable amount of the asset is estimated in order to determine the extent of the impairment loss (if any).

#### 1.9 Stocks

Stocks are stated at the lower of cost and estimated selling price less costs to complete and sell. Cost comprises direct materials and, where applicable, direct labour costs and those overheads that have been incurred in bringing the stocks to their present location and condition. Items held for distribution at no or nominal consideration are measured the lower of replacement cost and cost.

Net realisable value is the estimated selling price less all estimated costs of completion and costs to be incurred in marketing, selling and distribution.

# THE GEOLOGISTS ASSOCIATION

## NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 31 DECEMBER 2022

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### 1 Accounting policies

(Continued)

#### 1.10 Financial instruments

The charity has elected to apply the provisions of Section 11 'Basic Financial Instruments' and Section 12 'Other Financial Instruments Issues' of FRS 102 to all of its financial instruments.

Financial instruments are recognised in the charity's balance sheet when the charity becomes party to the contractual provisions of the instrument.

Financial assets and liabilities are offset, with the net amounts presented in the financial statements, when there is a legally enforceable right to set off the recognised amounts and there is an intention to settle on a net basis or to realise the asset and settle the liability simultaneously.

#### **Basic financial assets**

Basic financial assets, which include debtors and cash and bank balances, are initially measured at transaction price including transaction costs and are subsequently carried at amortised cost using the effective interest method unless the arrangement constitutes a financing transaction, where the transaction is measured at the present value of the future receipts discounted at a market rate of interest. Financial assets classified as receivable within one year are not amortised.

#### **Basic financial liabilities**

Basic financial liabilities, including creditors and bank loans are initially recognised at transaction price unless the arrangement constitutes a financing transaction, where the debt instrument is measured at the present value of the future payments discounted at a market rate of interest. Financial liabilities classified as payable within one year are not amortised.

Debt instruments are subsequently carried at amortised cost, using the effective interest rate method.

Trade creditors are obligations to pay for goods or services that have been acquired in the ordinary course of operations from suppliers. Amounts payable are classified as current liabilities if payment is due within one year or less. If not, they are presented as non-current liabilities. Trade creditors are recognised initially at transaction price and subsequently measured at amortised cost using the effective interest method.

#### **Derecognition of financial liabilities**

Financial liabilities are derecognised when the charity's contractual obligations expire or are discharged or cancelled.

### 2 Critical accounting estimates and judgements

In the application of the charity's accounting policies, the trustees are required to make judgements, estimates and assumptions about the carrying amount of assets and liabilities that are not readily apparent from other sources. The estimates and associated assumptions are based on historical experience and other factors that are considered to be relevant. Actual results may differ from these estimates.

The estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognised in the period in which the estimate is revised where the revision affects only that period, or in the period of the revision and future periods where the revision affects both current and future periods.



# THE GEOLOGISTS ASSOCIATION

## NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 31 DECEMBER 2022

### 3 Subscriptions, donations and legacies

	Unrestricted funds	Restricted funds	Endowment funds	Total	Total
	2022 £	2022 £	2022 £	2022 £	2021 £
Donations, bequests and sponsorship	1,504	22,493	14,308	38,305	47,970
Annual subscriptions	42,739	7,221	-	49,960	57,392
Gift Aid	4,619	2,354	-	6,973	9,763
	<u>48,862</u>	<u>32,068</u>	<u>14,308</u>	<u>95,238</u>	<u>115,125</u>
<b>For the year ended 31 December 2021</b>	<u>62,039</u>	<u>34,408</u>	<u>18,678</u>		<u>115,125</u>

### 4 Charitable activities

	Charitable Income 2022 £	Charitable Income 2021 £
Sales of publications	68,228	79,825
Group payments for insurance	8,066	10,129
Field meetings	8,862	2,243
Miscellaneous income	4,760	6,560
	<u>89,916</u>	<u>98,757</u>
Analysis by fund		
Unrestricted funds	87,989	98,541
Restricted funds	1,927	216
	<u>89,916</u>	<u>98,757</u>

### 5 Other trading activities

	Unrestricted funds 2022 £	Unrestricted funds 2021 £
'Geology Today' profit share	<u>10,504</u>	<u>11,500</u>

# THE GEOLOGISTS ASSOCIATION

## NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 31 DECEMBER 2022

### 6 Investments

	Unrestricted funds	Restricted funds	Endowment funds general	Total
	2022 £	2022 £	2022 £	2022 £
Investment income	12,807	6,658	51,348	70,813
	<u>12,807</u>	<u>6,658</u>	<u>51,348</u>	<u>70,813</u>
	<u><u>12,807</u></u>	<u><u>6,658</u></u>	<u><u>51,348</u></u>	<u><u>70,813</u></u>
<b>For the year ended 31 December 2021</b>	Unrestricted funds	Restricted funds	Endowment funds general	Total
	2021 £	2021 £	2021 £	2021 £
Investment income	11,692	5,569	45,191	62,452
	<u>11,692</u>	<u>5,569</u>	<u>45,191</u>	<u>62,452</u>
	<u><u>11,692</u></u>	<u><u>5,569</u></u>	<u><u>45,191</u></u>	<u><u>62,452</u></u>

# THE GEOLOGISTS ASSOCIATION

## NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 31 DECEMBER 2022

### 7 Charitable activities

	Charitable Expenditure 2022 £	Charitable Expenditure 2021 £
Depreciation and impairment	148	185
Publications printing and production costs	58,550	61,188
Publications office costs	16,161	16,990
Grants, awards and subvention	21,529	39,328
Salaries	55,283	65,021
Officers' expenses	2,963	607
Office expenses	25,995	22,511
Charged to Publications	(16,161)	(16,990)
Curry Fund contribution	(3,188)	(3,188)
Rockwatch contribution	(8,602)	(10,371)
Administrative expenses of Rockwatch	25,585	21,807
Meetings and functions	2,586	1,718
GA Annual Conference	2,048	397
Stationery and printing	1,226	2,032
Accountancy	3,570	2,760
Insurance	12,583	11,286
Bank charges	665	850
Miscellaneous	3,012	1,874
Field Meetings	7,758	30,704
Website	12,340	10,480
Recruitment	3,000	
	<u>227,051</u>	<u>226,384</u>
<b>Analysis by fund</b>		
Unrestricted funds	142,882	136,564
Restricted funds	54,850	47,716
Endowment funds - general	29,319	42,104
	<u>227,051</u>	<u>226,384</u>

### 8 Trustees

None of the trustees (or any persons connected with them) received any remuneration or benefits from the charity during the year.

### 9 Employees

The Geologists' Association employs 1 member of staff in administration (2021: 2 staff). No member of staff earns more than £60,000 per annum. The cost of any unused holiday entitlement is recognised in the period in which the employee's services are received.

No remuneration was paid or payable, directly or indirectly out of the funds of the charity to any Council member or to any person or persons connected with any of them. However, Council members are reimbursed out of the funds of the charity for expenses incurred in carrying out their duties. In 2022, officers' expenses reimbursed totalled £2,963 (2021: £607).

# THE GEOLOGISTS ASSOCIATION

## NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

### FOR THE YEAR ENDED 31 DECEMBER 2022

#### 10 Net gains/(losses) on investments

	Unrestricted funds	Restricted funds	Endowment funds	Total
	2022 £	2022 £	2022 £	2022 £
Gain/(loss) on sale of investments	(43,960)	(24,748)	(153,643)	(222,351)
	<u>(43,960)</u>	<u>(24,748)</u>	<u>(153,643)</u>	<u>(222,351)</u>
	Unrestricted funds	Restricted funds	Endowment funds	Total
	2021 £	2021 £	2021 £	2021 £
Gain/(loss) on sale of investments	12,079	19,485	103,039	134,603
	<u>12,079</u>	<u>19,485</u>	<u>103,039</u>	<u>134,603</u>

#### 11 Tangible fixed assets

	Fixtures and fittings £
<b>Cost</b>	
At 1 January 2022	33,809
At 31 December 2022	<u>33,809</u>
<b>Depreciation and impairment</b>	
At 1 January 2022	33,069
Depreciation charged in the year	148
At 31 December 2022	<u>33,217</u>
<b>Carrying amount</b>	
At 31 December 2022	592
At 31 December 2021	<u>740</u>

# THE GEOLOGISTS ASSOCIATION

## NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 31 DECEMBER 2022

### 12 Fixed asset investments

	Listed investments £
<b>Cost or valuation</b>	
At 1 January 2022	2,077,805
Additions	29,988
Realised profits/(losses) on investments	(1,644)
Unrealised profits/(losses) on investments	(220,707)
Disposals	(10,000)
	<hr/>
At 31 December 2022	1,875,442
	<hr/>
<b>Carrying amount</b>	
At 31 December 2022	1,875,442
	<hr/>
At 31 December 2021	2,077,805
	<hr/>

### 13 Stocks

	2022 £	2021 £
Stock of guide books	41,230	41,009
	<hr/>	<hr/>

### 14 Debtors

	2022 £	2021 £
<b>Amounts falling due within one year:</b>		
Trade debtors	49,403	54,583
Other debtors	7,968	8,528
	<hr/>	<hr/>
	57,371	63,111
	<hr/>	<hr/>

### 15 Creditors: amounts falling due within one year

	2022 £	2021 £
Payments received on account	26,217	32,291
Trade creditors	39,082	35,653
Other creditors	13,924	30,164
	<hr/>	<hr/>
	79,223	98,108
	<hr/>	<hr/>



# THE GEOLOGISTS ASSOCIATION

## NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

### FOR THE YEAR ENDED 31 DECEMBER 2022

#### 16 Endowment funds

Endowment funds represent assets which must be held permanently by the charity. Income arising on the endowment funds can be used in accordance with the objects of the charity and is included as unrestricted income. Any capital gains or losses arising on the assets form part of the fund.

	Balance at 1 January 2021	Resources expended	Revaluations gains and losses	Balance at 1 January 2022
	£	£	£	£
<b>Permanent endowments</b>				
Curry Fund: Capital Fund	780,029	-	75,515	855,544
<b>Expendable endowments</b>				
Curry Fund: Income Fund	52,345	(23,702)	-	52,611
Endowment Trust Funds	362,922	(6,550)	19,338	405,542
General Endowment Funds	282,342	(11,852)	8,186	288,745
	<u>1,477,638</u>	<u>(42,104)</u>	<u>103,039</u>	<u>1,602,442</u>

	Balance at 1 January 2022	Resources expended	Revaluations gains and losses	Balance at 31 December 2022
	£	£	£	£
<b>Permanent endowments</b>				
Curry Fund: Capital Fund	855,544	-	(90,029)	765,515
<b>Expendable endowments</b>				
Curry Fund: Income Fund	52,611	(13,677)	-	67,239
Endowment Trust Funds	405,542	(5,630)	(33,984)	393,058
General Endowment Funds	288,745	(10,012)	(29,630)	259,324
	<u>1,602,442</u>	<u>(29,319)</u>	<u>(153,643)</u>	<u>1,485,136</u>

# THE GEOLOGISTS ASSOCIATION

## NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

**FOR THE YEAR ENDED 31 DECEMBER 2022**

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### **16 Endowment funds**

**(Continued)**

The Curry Fund exists to support a variety of causes such as geological conservation and other initiatives approved by the Council.

The statement of financial activities for the Curry Fund is split into a capital fund and an income fund, both of which are endowment funds for charity accounting purposes. The reason for showing a separate capital fund is to show how the initial capital used to set up the Curry Fund has altered over the years when realised and unrealised profits and losses on investments are taken into account. The income fund shows how investment income specifically designated for the payment of grants has been applied towards this objective and meeting the incidental administrative expenses of running the fund.

A separate balance sheet and a statement of financial activities for the Curry Fund are included as separate schedules to the financial statements.

The Endowment Trust Fund bequests were given with the intention that the capital be invested and only the income spent. The above funds exist to make grants to individuals and groups within the field of geology.

The General Endowment Fund bequests were given with the intention that only income arising from the capital of the bequest be used to fund the general purpose of the Association.

The Endowment Trust Funds are bequests that were given with the intention that the capital be invested and only the income spent. The funds exist to make grants to individuals and groups within the field of geology.

The General Endowment Funds are bequests that were given with the intention that only income arising from the capital of the bequest be used to fund the general purpose of the Association.

# THE GEOLOGISTS ASSOCIATION

## NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

**FOR THE YEAR ENDED 31 DECEMBER 2022**

### 17 Restricted funds

The income funds of the charity include restricted funds comprising the following unexpended balances of donations and grants held on trust for specific purposes:

	Balance at 1 January 2022	Incoming resources	Movement in funds			Balance at 31 December 2022
	£	£	Resources expended	Transfers	Revaluations, gains and losses	£
Rockwatch	230,609	36,760	(51,641)	-	(19,802)	195,926
Earth Heritage Fund	38,645	3,893	(3,209)	1,000	(4,946)	35,383
Champion Fund	5,517	-	-	-	-	5,517
	<u>274,771</u>	<u>40,653</u>	<u>(54,850)</u>	<u>1,000</u>	<u>(24,748)</u>	<u>236,826</u>

	Balance at 1 January 2021	Incoming resources	Movement in funds			Balance carried forward
	£	£	Resources expended	Transfers	Revaluations, gains and losses	£
Rockwatch	226,186	33,290	(43,274)	-	14,407	230,609
Earth Heritage Fund	31,098	5,036	(3,567)	1,000	5,078	38,645
Champion Fund	4,525	1,867	(875)	-	-	5,517
	<u>261,809</u>	<u>40,193</u>	<u>(47,716)</u>	<u>1,000</u>	<u>19,485</u>	<u>274,771</u>

Rockwatch is the junior section of the Geologists' Association and exists to develop an interest in Geology amongst young people.

The Earth Heritage fund enables and supports the production of Earth Heritage Magazine.

The Champion Fund will support the School Rocks! Project.

# THE GEOLOGISTS ASSOCIATION

## NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 31 DECEMBER 2022

### 18 Analysis of net assets between funds

	Unrestricted funds 2022 £	Restricted funds 2022 £	Endowment funds 2022 £	Total 2022 £
Fund balances at 31 December 2022 are represented by:				
Tangible assets	592	-	-	592
Investments	356,127	167,889	1,351,426	1,875,442
Current assets/(liabilities)	160,601	68,937	133,710	363,248
	<u>517,320</u>	<u>236,826</u>	<u>1,485,136</u>	<u>2,239,282</u>
	Unrestricted funds 2021 £	Restricted funds 2021 £	Endowment funds 2021 £	Total 2021 £
Fund balances at 31 December 2021 are represented by:				
Tangible assets	740	-	-	740
Investments	380,099	192,637	1,505,069	2,077,805
Current assets/(liabilities)	168,016	82,134	97,373	347,523
	<u>548,855</u>	<u>274,771</u>	<u>1,602,442</u>	<u>2,426,068</u>

### 19 Related party transactions

There were no disclosable related party transactions during the year (2021 - none).

# THE GEOLOGISTS ASSOCIATION

## THE CURRY FUND

### STATEMENT OF FINANCIAL ACTIVITIES

FOR THE YEAR ENDED 31 DECEMBER 2022

	Endowment income fund £	Endowment capital fund £	Total 2022 £	Total 2021 £
<b><u>Incoming resources</u></b>				
Investment income:				
Income received from investments	27,810	-	27,810	23,169
Charities Deposit	462	-	462	6
Barclays Bank	33	-	33	3
Miscellaneous income	-	-	-	790
<b>Total incoming resources</b>	<b>28,305</b>	<b>-</b>	<b>28,305</b>	<b>23,968</b>
<b><u>Resources expended</u></b>				
Charitable expenditure:				
Grants- paid and committed	3,572	-	3,572	13,161
MSc Prize	1,000	-	1,000	2,000
Towards the printing of The Geologists' Association's Guides	5,008	-	5,008	4,890
Office administration	3,188	-	3,188	3,188
Officer expenses	246	-	246	-
Accountancy	420	-	420	420
Meeting expenses	-	-	-	-
Sundry	243	-	243	43
<b>Total resources expended</b>	<b>13,677</b>	<b>-</b>	<b>13,677</b>	<b>23,702</b>
<b>Net incoming resources</b>	<b>14,628</b>	<b>-</b>	<b>14,628</b>	<b>266</b>
Other recognised gains/(losses)	-	(90,029)	(90,029)	75,515
<b>Net movement of funds</b>	<b>14,628</b>	<b>(90,029)</b>	<b>(75,401)</b>	<b>75,781</b>
Total fund brought forward	52,611	855,544	908,155	832,374
<b>Total funds carried forward</b>	<b>67,239</b>	<b>765,515</b>	<b>832,754</b>	<b>908,155</b>

# THE GEOLOGISTS ASSOCIATION

## THE CURRY FUND

### BALANCE SHEET

AS AT 31 DECEMBER 2022

	2022		2021	
	£	£	£	£
<b>Investments</b>				
Schroders Charities:				
The Charity Equity Fund A Income Units	401,622		418,293	
The Income Trust for Charities A Income Units	204,399		269,612	
Black Rock Charinco Income Units	926		1,166	
Artemis Income Retail Income Units	31,467		32,510	
City of London Investment Trust 25p ord. shares	47,384		45,478	
Invesco Perpetual Corporate Bond Class Y	16,691		19,971	
Murray Income Trust plc 25p ord. shares	25,351		27,698	
Murray International Trust plc 25p ord. shares	4,365		3,783	
Royal London AM Corp Bond Trust Class Y	9,106		11,318	
Royal London AM St Extra Yield Bond Class B	12,079		13,532	
Temple Bar Investment Trust plc 25p ord. shares	12,097		12,155	
		765,487		855,516
<b>Current assets</b>				
Tax repayable	864		864	
COIF Charities Deposit Fund	47,769		47,307	
Barclays Community Account	4,754		5,000	
Barclays Premier Account	25,553		27,201	
HLAM Ltd Income Account	1,083		1,326	
Loans outstanding	3,423		3,360	
Sundry debtor	250		250	
	83,696		85,308	
<b>Current liabilities</b>				
Creditors and accruals	420		420	
Grants committed	13,924		30,164	
Due to The Geologists' Association	2,085		2,085	
	16,429		32,669	
Net current assets		67,267		52,639
<b>Total assets less current liabilities</b>		832,754		908,155
<b>Restricted funds</b>				
Capital fund		765,515		855,544
Income fund		67,239		52,611
		832,754		908,155

# THE GEOLOGISTS ASSOCIATION

## PUBLICATIONS ACCOUNT

FOR THE YEAR ENDED 31 DECEMBER 2022

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	2022 £	2021 £
<b>Proceedings</b>		
<b><u>Income:</u></b>		
Elsevier payment	55,500	69,049
Sponsorship	2,500	-
	<hr/>	<hr/>
<b>Total income</b>	58,000	69,049
<b><u>Expenditure:</u></b>		
Printing and production costs	22,770	22,752
Proportion of office costs (15% of £16,161)	2,424	2,548
	<hr/>	<hr/>
<b>Total resources expended</b>	25,194	25,300
	<hr/>	<hr/>
<b>Net surplus/(cost) on proceedings</b>	32,806	43,749
	<hr/>	<hr/>
<b>Guides</b>		
<b><u>Income:</u></b>		
Sales	8,070	9,636
Curry Fund subvention	2,008	-
	<hr/>	<hr/>
<b>Total income</b>	10,078	9,636
	<hr/>	<hr/>
<b><u>Expenditure:</u></b>		
Opening stock	41,009	35,723
Printing and production costs	4,996	12,537
Proportion of office costs (60% of £16,161)	9,697	10,194
Less: Closing stock	(41,230)	(41,009)
	<hr/>	<hr/>
<b>Total resources expended</b>	14,472	17,445
	<hr/>	<hr/>
<b>Net surplus/(cost) on Guides</b>	(4,394)	(7,809)
	<hr/>	<hr/>
<b>Circulars and Magazines</b>		
<b><u>Income:</u></b>		
Advertising revenue	150	1,140
	<hr/>	<hr/>
<b><u>Expenditure:</u></b>		
Printing, production and distribution costs	10,387	11,814
Proportion of office costs (25% of £16,161)	4,040	4,248
	<hr/>	<hr/>
<b>Total resources expended</b>	14,427	16,062
	<hr/>	<hr/>
<b>Net surplus/(cost) of Circulars</b>	(14,277)	(14,922)
	<hr/>	<hr/>
<b>Net surplus/(cost) of Publications</b>	14,135	21,018
	<hr/>	<hr/>

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# THE GEOLOGISTS' ASSOCIATION

## NOTES FORMING PART OF THE FINANCIAL STATEMENTS FOR YEAR ENDED 31 DECEMBER 2022

### INVESTMENTS

	Cost	Market Value	
	£	2022 £	2021 £
<b>Unrestricted Fund</b>			
General Fund	272,241	356,127	380,099
<b>Restricted Funds</b>			
Rockwatch	139,967	140,116	159,918
Earth Heritage Fund	29,231	27,773	32,719
	169,198	167,889	192,637
<b>Endowment Funds</b>			
Curry Fund	not known	765,487	855,516
<b>Other Endowment Funds</b>			
Foulerton Award	13,400	15,721	17,358
Henry Stopes Memorial Fund	3,554	2,922	3,534
G W Young Fund	23,304	24,341	23,670
Baker-Arber Fund	7,000	17,595	19,922
Halstead Fund	10,000	8,405	9,774
Richardson Fund	14,991	14,356	16,628
Middlemiss Fund	16,430	14,628	17,774
Japtec Fund	70,239	90,144	102,393
Wyley Fund	182,251	212,348	237,910
Tupper Fund	64,697	86,547	93,440
Callomon Porter Fund	37,394	36,818	40,886
UKOGL	25,231	22,925	24,993
Palaeontological Fund	39,459	39,189	41,271
	507,950	585,939	649,553
Total Investments	949,389	1,875,442	2,077,805

# THE GEOLOGISTS' ASSOCIATION

## NOTES FORMING PART OF THE FINANCIAL STATEMENTS FOR YEAR ENDED 31 DECEMBER 2022

### INVESTMENTS (continued)

	Opening Balance £	Income £	Expenditure £	Profit/loss on Investments £	Transfers £	Closing Balance £
<b>Unrestricted Fund</b>						
General Fund	548,855	160,162	146,737	-43,960	-1,000	517,320
<b>Restricted Funds</b>						
Rockwatch	230,609	36,760	51,641	-19,802		195,926
Earth Heritage Fund	38,645	3,893	3,209	-4,946	1,000	35,383
Champion Fund	5,517	0	0	0		5,517
	274,771	40,653	54,850	-24,748	1,000	236,826
<b>Endowment Funds</b>						
	Opening Balance £	Income £	Expenditure £	Profit/loss on Investments £	Transfers £	Closing Balance £
Curry Fund: Capital Fund	855,544	0	0	-90,029	0	765,515
Income Fund	52,611	28,305	13,677	0	0	67,239
	908,155	28,305	13,677	-90,029	0	832,754
<b>Endowment Trust Funds</b>						
Foulerton Award	19,405	794	564	-1,637		17,998
Henry Stopes Memorial Fund	4,888	172	0	-612		4,448
G W Young Fund	22,732	1,004	0	671		24,407
Baker-Arber Fund	21,567	526	1,200	-2,327		18,566
Halstead Fund	10,982	394	631	-1,369		9,376
Richardson Fund	17,445	563	0	-2,272		15,736
Middlemiss Fund	20,325	490	1,200	-3,146		16,469
Japex Fund	114,063	3,315	35	-12,249		105,094
Tupper Fund	103,900	2,837	2,000	-6,893		97,844
UKOGL	27,533	1,009	0	-2,068		26,474
Palaeontological Fund	42,702	16,026	0	-2,082		56,646
	405,542	27,130	5,630	-33,984	0	393,058
<b>General Endowment Funds</b>						
Wyley Fund	246,466	8,410	8,468	-25,562		220,846
Callomon-Porter Fund	42,279	1,811	1,544	-4,068		38,478
	288,745	10,221	10,012	-29,630	0	259,324
<b>Total Endowment Funds</b>	1,602,442	65,656	29,319	-153,643	0	1,485,136
<b>Total Funds</b>	2,426,068	266,471	230,906	-222,351	0	2,239,282

**THE GEOLOGISTS' ASSOCIATION**  
**DETAILED SCHEDULE OF INVESTMENTS HELD BY ASSOCIATION**  
**YEAR ENDED 31 DECEMBER 2022**

Holding		Cost	Market Value	
			2022	2021
GENERAL FUND				
5,056.87	COIF Charities Investment Fund Income Units	10,083	91,908	104,001
14,540.27	COIF Charities Fixed Interest Fund Inc. Units	18,850	16,894	19,312
56,550.08	COIF Charities Fixed Interest Fund Inc. Units	75,000	65,705	75,109
2,546.11	Black Rock Fund Managers Charinco Inc. Units	2,952	3,715	4,677
27,143.18	Invesco Perpetual Distribution Fund Income Shares	16,000	15,102	17,461
26,717.55	Invesco Perpetual Monthly Inc.Plus.Inc.Units	29,381	24,406	28,462
41,942.03	Invesco Perpetual Corporate Bond Income Units	35,011	32,300	38,316
3,766.00	Murray Income Trust plc 25p Ord. Shares	26,995	31,729	34,666
1,120.00	Murray International Trust plc 25p Ord Shares	11,994	14,952	12,959
5,982.89	Royal London Corporate Bond Trust Class Y Inc.Units	6,000	5,166	6,423
26,594.18	HL Multi-Manager Income and Growth Trust Inc Units	26,982		
(11,477.10)	Units sold for £10,000 on 10/11/2022	-		11,164
15,117.08			13,478	14,704
6,366.18	Artemis High Income Fund Class R Q Dist	5,000	3,924	4,652
159.00	RIT Capital Partners plc £1 Ord. shares	3,993	3,399	4,364
8,442.38	Legal & General High Income Incl Class R Income	4,000	3,097	3,829
Purchased in 2022				
257.00	Murray International Trust plc 25p Ord Shares	2,996	3,431	-
145.00	RIT Capital Partners plc £1 Ord. shares	2,995	3,099	-
11,289.87	Legal & General Active Global High Yield Class 1 Inc	4,000	4,143	-
10,124.00	Treasury 4.25% 07/12/2046	9,999	10,419	-
4,421.00	Treasury 4.25% 07/12/2049	4,999	4,583	-
4,408.00	Treasury 4.5% 07/12/2042	4,999	4,677	-
		290,585	356,127	380,099
FOULERTON AWARD				
634.96	Black Rock Fund Managers Charinco Inc. Units	900	926	1,166
211.92	COIF Charities Investment Fund Income Units	2,000	3,851	4,358
1,233.00	City of London Investment Trust 25p Ord. Shares	3,000	5,058	4,855
9,549.28	Artemis High Income Fund Class R Q Dist	7,500	5,886	6,979
		13,400	15,721	17,358
HENRY STOPES MEMORIAL FUND				
658.10	Black Rock Fund Managers Charinco Inc. Units	1,054	960	1,208
3,183.09	Artemis High Income Fund Class R Q Dist	2,500	1,962	2,326
		3,554	2,922	3,534
G W YOUNG FUND				
863.25	Black Rock Fund Managers Charinco Inc. Units	1,492	1,259	1,585
1,006.00	Edinburgh Investment Trust 25p Ord. Shares	6,754	6,393	6,322
1,556.00	HICL Infrastructure Company Ltd 0.01p Ord. Shares	2,373	2,558	2,747
641.00	Murray International Investment Trust plc 25p Ord.	6,599	8,557	7,416
2,525.00	Temple Bar Investment Trust plc 5p Ord. Shares	6,086	5,574	5,600
		23,304	24,341	23,670
BAKER-ARBER FUND				
438.95	COIF Charities Investment Fund Income Units	2,000	7,977	9,027
529.79	COIF Charities Investment Fund Income Units	5,000	9,618	10,895
		7,000	17,595	19,922
HALSTEAD FUND				
3,856.83	COIF Charities Investment Fund Income Units	5,000	4,481	5,122
6,366.18	Artemis High Income Fund Class R Q Dist	5,000	3,924	4,652
		10,000	8,405	9,774

**RICHARDSON FUND**

3,856.83	COIF Charities Fixed Interest Fund Income Units	5,000	4,481	5,122
748.00	City of London Investment Trust 25p Ord. Shares	2,499	3,069	2,945
5,417.12	Legal & General High Income Incl Class R Income	2,500	1,988	2,457
130.00	RIT Capital Partners plc £1 Ord. shares	2,492	2,779	3,569
2,360.92	Royal London Corporate Bond Trust Incl Class A Inc	2,500	2,039	2,535
		<u>14,991</u>	<u>14,356</u>	<u>16,628</u>

**MIDDLEMISS FUND**

20,696.58	M&G Investments Corporate Bond Fund A Shares	6,800	6,877	8,394
6,485.72	Artemis High Income Class R Inc Units	4,815	3,998	4,740
10,229.45	Legal & General High Income Incl Class R Income	<u>4,815</u>	<u>3,753</u>	<u>4,640</u>
		<u>16,430</u>	<u>14,628</u>	<u>17,774</u>

**JAPEC FUND**

1,220.23	COIF Charities Investment Fund Income Units	11,670	22,177	25,095
14,860.00	Temple Bar Investment Trust plc 5p Ord. Shares	21,659	32,803	35,158
15,353.00	Treasury 4 1/4% Stock 2032	15,001	16,051	20,290
8,015.15	HL Multi-Manager Income and Growth Trust Inc Units	7,864	7,146	7,802
9,423.67	Royal London Corporate Bond Trust Income Units	8,795	8,137	8,855
3,184.71	Marlborough Multi Cap Income - Inclusive Class A	<u>5,250</u>	<u>3,830</u>	<u>5,193</u>
		<u>70,239</u>	<u>90,144</u>	<u>102,393</u>

**WYLEY FUND**

21,396.67	Artemis High Income Inclusive Class R Income	16,137	13,189	15,637
926.00	BP Plc US\$0.25 Ordinary Shares	5,810	4,389	3,060
467.00	GlaxoSmithKline plc 31.25p Ordinary Shares - new	6,183	6,714	7,313
585.00	Haleon plc 0.01p - new	1,764	1,915	2,086
3,704.00	HICL - HSBC Infrastructure Co Ltd 0.01p Ord. Shrs	4,259	6,089	6,541
11,078.15	HL Multi-Manager Income and Growth Trust Inc Units	11,215	9,877	10,776
21,194.64	Invesco Perpetual Distribution Fund Income Shares	13,602	11,973	13,635
16,904.02	Legal & General High Income Incl Class R Income	8,068	6,202	7,668
695.00	The Mercantile Inv Trust 25p Ordinary Shares	6,988	13,344	18,660
2,805.00	Murray Income Trust plc 25p Ordinary Shares	12,516	23,632	25,820
1,945.00	Murray International Trust plc 25p Ord. Shares	12,739	25,966	22,503
56.00	NatWest Group (RBS) 25p Ordinary Shares	2,349	138	126
585.00	Royal Dutch Shell Plc "B" Ordinary Shares	12,431	13,607	9,491
16,138.78	Royal London Corporate Bond Trust Income Units	14,678	13,936	17,077
3,703.00	Schroder Asia Pacific Inv Trust Units	6,646	18,552	21,847
463.00	Standard Chartered US\$0.50 Ordinary Shares	8,343	2,880	2,076
4,630.00				
	Standard Chartered 8 1/4% Non-Cum Invest Pref Shares of £1	5,660	5,056	6,824
8,594.39	Treasury 4 1/4% Stock 2032	8,328	8,985	11,358
25,061.54	Treasury 4 1/4% Stock 2036	<u>24,535</u>	<u>25,904</u>	<u>35,412</u>
		<u>182,251</u>	<u>212,348</u>	<u>237,910</u>

**TUPPER FUND**

4,424.78	Artemis Income Fund Class R Dist	7,350	9,627	10,064
5,963.00	City of London Investment Trust 25p Ord. Shares	12,498	24,463	23,479
17,746.35	Invesco Perpetual Corp Bond Income Units	12,500	13,666	16,346
1,259.73	Invesco Perpetual Income Income Units	12,500	15,481	16,555
28,508.23	Jupiter Corporate Bond Income Units	12,500	14,303	17,947
4,080.00	Temple Bar Investment Trust plc 5p Ord. Shares	<u>7,349</u>	<u>9,007</u>	<u>9,049</u>
		<u>64,697</u>	<u>86,547</u>	<u>93,440</u>

**CALLOMON PORTER FUND**

2,009.60	Artemis Income Fund Class R Dist	3,333	4,372	4,571
2,354.00	City of London Investment Trust 25p Ord. Shares	8,328	9,657	9,269
10,181.04	Invesco Perpetual Distribution Fund Income Shares	5,833	5,665	6,549

4,409.67	Invesco Perpetual Monthly Income plus Class Y InUn	8,400	7,649	8,710
4,162.08	Marlborough Multi Cap Income - Inclusive Class A	6,500	5,005	6,574
4,893.33	Invesco Monthly Income Plus Inclusive - Income	5,000	4,470	5,213
		<hr/>	<hr/>	<hr/>
		37,394	36,818	40,886

#### CURRY FUND

	Shroder Charities			
94,722.25	The Charity Equity Fund A Income Units	-	401,622	418,293
401,806.34	The Income Trust for Charities A Income Units	-	204,399	269,612
634.86	Black Rock Charinco Income Units	-	926	1,166
14,463.10	Artemis Income Fund Class R Dist	24,250	31,467	32,510
11,550.00	City of London Investment Trust 25p Ord. Shares	36,741	47,384	45,478
3,009.00	Murray Income Trust plc 25p Ord. Shares	19,743	25,351	27,698
327.00	Murray International Trust plc 25p Ord. shares	3,749	4,365	3,783
10,545.55	Royal London Corporate Bond Trust Class Y Income	10,000	9,106	11,318
11,774.90	Royal London Sterling Extra Yield Bond Income Units	13,750	12,079	13,532
5,480.00	Temple Bar Investment Trust 5p Ord. Shares	13,740	12,097	12,155
9,687.03	Invesco Perpetual Corporate Bond Class Y - Income	19,318	16,691	19,971
		<hr/>	<hr/>	<hr/>
		141,291	765,487	855,516

#### ROCKWATCH

8,701.86	Artemis Income Fund Class R Dist	15,000	18,933	19,791
26,805.49	HL Multi-Manager Income & Growth Trust Inc Units	22,500	23,900	25,682
18,159.11	Invesco Perpetual Corporate Bond Income Units	15,000	13,984	16,726
25,827.10	Invesco Perpetual Distribution Fund Income Shares	15,000	14,370	16,615
3,445.74	Artemis Income Fund Class I Dist	7,500	8,483	8,801
3,806.54	Invesco Perpetual Distribution Class Y -Income	7,500	6,928	7,949
3,842.61	Invesco Perpetual Corporate Bond Class Y Income	7,500	6,621	7,922
9,736.22	Marlborough Multi Cap Income - Inclusive Class A	15,000	11,709	15,379
407.00	Murray International Trust plc 25p Ord. shares	4,989	5,433	4,989
779.00	RIT Capital Partners plc £1 Ord. shares	14,978	16,651	21,384
12,774.19	Royal London Sterling Extra Yield Inclusive Class B	15,000	13,104	14,680
		<hr/>	<hr/>	<hr/>
		139,967	140,116	159,918

#### UKOGL

7,192.17	Artemis High Income Fund Class I Q Dist	6,250	4,894	5,766
1,607.00	City of London Investment Trust 25p Ord. shares	6,250	6,593	6,328
6,905.61	Royal London Corporate Bond Trust Income Units	6,490	5,963	7,398
2,480.00	Temple Bar Investment Trust plc 5p Ord. shares	6,241	5,475	5,501
		<hr/>	<hr/>	<hr/>
		25,231	22,925	24,993

#### EARTH HERITAGE FUND

4,469.42	Marlborough Multi Cap Income - Inclusive Class A	7,000	5,375	7,060
557.00	Murray International Trust plc 25p Ord. shares	6,999	7,436	6,444
499.00	RIT Capital Partners plc £1 Ord. shares	10,238	10,666	13,698
201.00	RIT Capital Partners plc £1 Ord. shares	4,994	4,296	5,517
		<hr/>	<hr/>	<hr/>
		29,231	27,773	32,719

#### PALAEONTOLOGICAL FUND

15,501.00	Artemis High Income Class R Inc Units	11,000	9,555	11,328
3,155.00	City of London Investment Trust 25p Ord. shares	10,991	12,984	12,422
20,381.34	Legal & General High Income Incl Class R Income	9,500	8,686	9,245
350.00	Murray International Trust plc 25p Ord. shares	3,987	4,672	4,049
154.00	RIT Capital Partners plc £1 Ord. shares	3,981	3,292	4,227
		<hr/>	<hr/>	<hr/>
		39,459	39,189	41,271

<b>Grand Totals</b>		<hr/>	<hr/>	<hr/>
		1,109,024	1,875,442	2,077,805

# **THE GEOLOGISTS' ASSOCIATION ANNUAL GENERAL MEETING**

## **AGENDA**

**12th May 2023 at 18:00 hrs**

1. Minutes of the 2022 AGM
2. Introduce and approve Annual Report for 2022
3. Election of Proposed Officers for 2023/24
4. Election of Proposed Council Members for 2023/24
5. Expression of thanks of the Association to retiring Council Members Awards will be presented to winners individually through the summer if not in attendance but the following will be announced:
6. Presentation of the Foulerton Award
7. Presentation of the Halstead Medal
8. Presentation of the Halstead Award
9. Presentation of the Richardson Award
10. Presentation of the Curry MSc Awards
11. Curry Fund Certificates
12. Research Awards
13. Long serving Members
14. Presentation of the President's Medal

**Presidential Address for 2023 Mr Graham Hickman:**

**The Bilstone Stone Quarries... geology & genealogy**