



THE GEOLOGISTS' ASSOCIATION
ANNUAL REPORT
AND FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021



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REPORT FROM TRUSTEES

for year ended 31st December 2021

This report provides information concerning:

- **The Geologists' Association's objectives and how they fulfill 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 and amateur 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; **74 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 2021:

- Monthly Ordinary Meetings: held in London prior to the Covid-19 restrictions, and then on-line via "zoom" technology; talks were given by distinguished geologists, from home and overseas.
- The GA-Elsevier Annual Conference was a live event in Edinburgh; the GA Student Symposium was held on-line; though many Field Meetings were cancelled due to Covid-19 restrictions, some on-line events did take place.
- Festival of Geology: an on-line event, due to Covid-19 restrictions. The GA was brought together with the Local Groups and Affiliated Societies, various UK geological organizations and vendors, and provided outreach to the general public.
- 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 and experienced 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 18th January 1967 as amended 06th 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 cover : Winner 2021 Photographic Competition: Charles Pain– Periglacial stone circles, Spitsbergen

REPORT FROM TRUSTEES

For year ended 31st December 2021

The overall story of the year is about how the GA, like all other organizations in the UK in 2021, has managed to work around restrictions and anxieties resulting from the Covid-19 pandemic, to keep our activities alive and keep adding value for our membership.

The year began with concern about the future of the GA office in Burlington House, should the Geological Society of London (GSL) decide to move. We have remained engaged with the GSL over the issue and have supported the GSL's campaign to stay in place but have also started to consider our options with questions such as: How much office space do we need? Where should we look to relocate to? What new collaborations could be possible? What new public engagement opportunities? Currently, events seem to be on hold, but we are alive to both the challenge and the opportunities of possible change and will, of course, make no moves without prior consultation with the full membership. Sarah Stafford has been able to work in the office regularly enough to keep on top of the office needs, while Geraldine Marshall has mostly been working from home.

One change that members will have noticed is the Council decision to drop the production of the annual Green Card which itemised activities through the year. It was proving even more difficult than usual to produce a Green Card in time to go out with the December *Magazine of the GA* which actually had accurate information for the coming year as Covid regulations changed. It was felt that there are now so many ways to access the same information, e.g.: the Circular in the *Magazine of the GA*, the GA website, GA Facebook and Twitter pages and MailChimp notifications.

Janet Wright with Tony Doré have been involved with Barbara Silva in an overhaul of the GA website. This has included making useful compliance documents more fully available to our membership and simplifying and rationalising the steps to reach them. The shop has been reorganised to facilitate access to the GA merchandise and to expand information about the GA Guides. It should now be easier for local groups to submit information about their events. An interactive map of events/groups is coming. The GA Social Media presence is now being directed by Liz Hoy who has developed a coherent framework for the promotion of our activities, from the monthly lectures, field meetings and conferences to our publications, awards and even items from the Archive. This work is linked to that of David Ward on marketing and attending festivals, etc.; includes retweeting some geological posts from recognised institutions and is still developing in scope. Our thanks to Liz for all her hard work on our behalf and to everyone involved in the website improvements.

Our lecture and field meetings have, of course, also been impacted. Michael Oates, our Lecture Meetings Secretary, outlines some of the issues in his report. Ian Sutton, our Overseas Field Meetings Secretary, notes that our first planned trip abroad since 2019 is pencilled in for October 2022. Graham Hickman, our UK Field Meetings Secretary, describes the success of several online workshops as well as a few excursions into the field at last. Our thanks to them all for their organising and reorganizing skills in a very fluid situation.

We attempted a hybrid meeting in December 2021 in the hope that members would feel able to attend a lecture in person at last. Sadly, this was not the case, and we are only currently planning for virtual lectures and meetings at least for the first few months of 2022, but if the environment changes we will change with it. Even if people feel safe at the event, they also have to feel safe travelling to it. It is not cost-effective for the GA to rent a lecture theatre/meeting rooms when only a very few people attend. Our Zoom events have had excellent attendance throughout and as Michael Oates points out, have enabled a much more international audience and available speakers.

After cancellation in 2020, the GA Student Symposium (GASS) themed: *Geoscience in wider society: what difference with your research make?* was held virtually on the afternoon of May 20th and the morning of May 21st. The event was a great success with contributors enjoying the atmosphere. 6 GA local groups registered this year which was a very welcome development. Many participated from overseas and a wide variety of topics were discussed in 13 presentations

and 8 posters. Keynote speakers focussed on geoscience and the energy transition; international collaboration, geoparks and early career roles in earth sciences. The organisers are looking to a hybrid event in 2022 – all organisations are finding that Zoom facilitates a much greater geographical reach for meetings, and we should capitalise on that. We are very grateful to the GASS organising group: Liam Gallaher, Sean O'Neil, Lucia Pérez Diaz, Tom Phillips, Nick Pierpoint and Janet Wright, for all their work in making these meetings such a success.



GA stand in The Surgeon's Hall, Edinburgh

Later in the year, October 15th to 17th saw the GA Annual Conference held in Edinburgh after a year's delay. The Conference marked the end of the Scottish Festival of Geology which began in September. Although a reduced number attended in line with regulations, all agreed it was a success, and the 9 lectures, focussed on the geology of Scotland, were recorded and are available on the website. One of the

highlights was access to some of the Sir Charles Lyell notebooks and the opportunity to talk with some of the archivists now working on them. The Curry Fund not only contributed to keeping the notebooks in the UK but is also supporting their digitisation. Field trips took in a geological tour of the National Museum of Scotland; building stones and flagstones of Edinburgh; and Arthur's Seat and the Hutton section. Our thanks again to the Edinburgh Geological Society and the Scottish Geology Trust for their organisation and hospitality, especially to Bob Gatcliffe who was co-opted onto the GA Council in his role as local organiser. Thanks also to Vanessa Banks, Nick Pierpoint and Sarah Stafford.

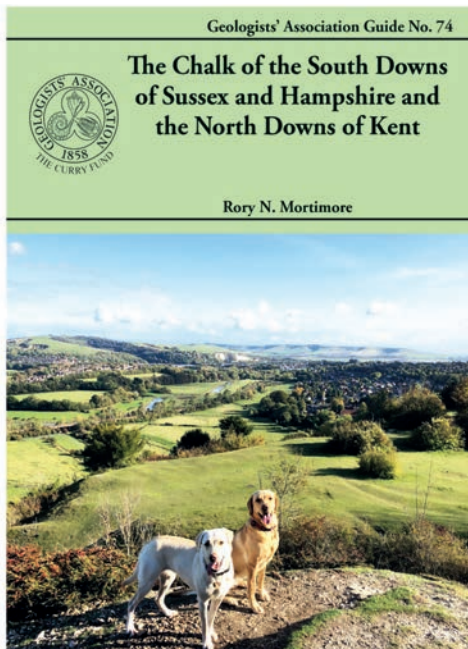
An extra event this year, supported by the GA's new Palaeontology Fund and the Natural History Museum, was the Fossil Crustaceans Conference, held virtually on November 25th 2021. Celebrating the life and work of Joe Collins, there were 9 high quality presentations and a most collaborative atmosphere. Congratulations to the conveners Di Clements, Haydon Bailey, Claire Mellish and Lil Stevens for organising such a successful event.

Following a successful virtual Festival of Geology in 2020, a similar event was planned for Saturday, 6 November 2021 with the overall theme of Climate Change to link with COP26. Once again, we were able to draw upon the expertise of Kevin Perry for technical advice, Amy Edgington who runs the Geobus at University College London for her design skills in creating the logo and Barbara Silva who brought it all together. Thanks once again to Gerald Lucy for organising the annual Photographic Competition and for the design of the **2022 GA Calendar**, and to the other members of the vFOG Organizing Committee: Susan Brown, Helen Connolly, Sarah Stafford, Vanessa Banks, Wendy Kirk and Geraldine Marshall. There was a Discovery Room with live events: Pebble Spotting with Clive Mitchell; a Geological Collectors' Workshop with Caroline Buttler and her colleagues; and *Exploring the Ice: Climate Change in the Arctic* a live activity from the UCL Geobus with Amy Edgington. There were more visitors to the Discovery Room than last year. The three lectures were: *The Permian-Triassic Hyperthermal Event: How heat kills* by Prof Michael Benton; *More powerful than we imagined? Can submarine volcanoes change climate?* by Brian Catt, and *What has pollen ever done for us? (or palynology in the service of man)* by Dr James B. Riding. There were also live breakout rooms including those for people wanting to discuss Geoconservation and others looking for fossil identifications. As last year there were presentations by local groups, the BGS, museums and traders. Three live field trips were held in London and others by local groups on Sunday 7th November.

Outreach continued to be supported by the fortnightly updates of **Geology from your Sofa**, set up and assembled by Alison Barraclough and Janet Wright. This has continued to provide

virtual items of geological interest on a regular basis, and our thanks to Alison and Janet and all of the GA members and others who have contributed to this very popular enterprise.

Our thanks to Liam Gallagher who has guided the **Magazine of the GA** through another interesting year. Members have kept the material coming despite the general curtailment of field activities. The GA continues to be committed to producing the **Magazine of the GA** in hard copy reflecting the majority wishes of our membership. However, our more specialist online magazine **Earth Heritage** also continues to do well and our thanks to David Bridgland, and Barbara Silva and others for their dedication to this free open access magazine. **Geology Today** under joint ownership of the Geological Society and the GA, available at a reduced price to GA members, continues under the editorship of Peter Doyle. Thanks to Peter and his team for another year of interesting issues in a magazine with an increasingly global reach as evidenced by downloads. Malcolm Hart, Editor-in-Chief of the **Proceedings of the Geologists' Association (PGA)**, and his team have produced 6 issues in 2021, and the long-running type-setting issues have been resolved. Important decisions will need to be made in 2022 about the future of the **PGA** relating to the move to Open Access publishing. Although this move is generally celebrated, publications like the **PGA** which do not fit the standard model, are proving to be collateral damage. We must thank all members of the Publications Committee for their commitment in grappling with these difficult issues and their advice to Council.



Our GA Guides Editor, Susan Marriott, saw a major new guide to publication in 2021, GA Guide No. 74: **The Chalk of the South Downs of Sussex and Hampshire and the North Downs of Kent**, by Rory N. Mortimore, in two volumes for ease of handling in the field. 2021 saw the reprinting of the **Anglesey** and **The Yorkshire Coast** guides, and we also co-operated with the selling of a new Thanet guide: **The Smugglers' Trail: geology of the Thanet Coastline from Broadstairs to Cliftonville**. Several new/revised guides are in the pipeline for 2022 onwards and we are most grateful to Susan Marriott for all of her editorial labours.

In December 2020, Council decided to have a marketing postholder, and David Ward (the GA liaison with Geoweb) took on this role after the May AGM in 2021. He is developing a more systematised strategy for marketing the GA and as he reports elsewhere, hopes to attend as many festivals etc. as possible, where possible coordinating with local groups to our mutual advantage. To this end we have joined the UK Science Festival Network. Another marketing initiative initiated by Lucia Pérez Diaz before she left, was an arrangement through Redbubble to market a variety of merchandise carrying designs based on the GA Logo. The link to these items is available on the website. The GA makes only a tiny profit from this venture, it is designed really to promote the organisation in a different visual way.

2021 also saw the establishment of a new Education Subcommittee. Alison Barraclough, our Education Postholder gives her own report elsewhere. The Subcommittee includes representatives from the Earth Science Teachers Association and the GSL, together with Council members representing Rockwatch, GASS and SchoolRocks!. The group continues to promote the importance of geology in science education with the exam boards. Within the theme of Education, SchoolRocks! continues to thrive. Their work with the Tomlinson-Brown Trust and the Teachers Trust has expanded the number of rock boxes delivered and their geographical

reach. A new link has also been established with the teacher training unit at Kingston University. So far, the steady growth has matched our capacity to provide.

A questionnaire was sent out in August 2020, directed at establishing how diverse and open the membership felt the GA really was. Thanks to Lucia Pérez Diaz, who was our lead over EDI (Equality, Diversity & Inclusivity) for all her work on the design and analysis of the questionnaire, which had an approximately 40% response rate. Generally, respondents reported that they find the GA to be an inclusive and welcoming organisation. Many highlighted the benefits of virtual lectures for those with accessibility requirements, and indeed, many of the comments related to age and physical disabilities as well as racial diversity. Rockwatch and GASS help us to reach out to younger enthusiasts. Lucia was keen for the GA to ensure that we highlight the other facets of EDI that are not so apparent and set out some ideas for us to develop in the future including content on the website and in our events. The GA has a proud history of being open to all from the very beginning; even in 1858 it was open to women, and we shall always be working on our goals around EDI, and how to achieve them

Rockwatch leads our other engagement with children and young people, and Susan Brown reports on their activities over the last year. Membership has increased despite Covid-19 and once again the annual competition surprised with the imagination of the entries. The website is full of fun information and the sections in which youngsters can have their specimens identified by Mick Oates has been a great success. Susan has had an interesting time researching the activities of previous members, many of whom have stayed in geology and kept in touch. Thanks to the Rockwatch sponsors who help to keep the membership fee low and to Susan and her loyal band of helpers for keeping the group enthused.

Jonathan Larwood, Secretary of the Curry Fund, reports elsewhere on its activities, but we must here thank him and Haydon Bailey, Chairman and Chris Green, Treasurer, and all of the other members of the Curry Fund Committee for their work in 2021 in supporting a broad spectrum of geological activities around the UK. We must also thank Jonathan for his work on the GA Carreck Archive, and we remain grateful for the help of the BGS in housing and the continuing digitisation of the archive.

Colin Prosser reports on his work in promoting Geoconservation within the GA and elsewhere, and we are hoping to suitably mark the first International Geodiversity Day on 6th October 2022. We are just beginning to work on our Environmental Policy and deciding what it should cover, e.g. travel to field sites, packaging, office materials etc.

Our AGM took place by Zoom on May 7th, 2021 with some 71 members attending. The electronic voting system worked well and the meeting was followed by the Presidential address, Vanessa Banks talking to us on *Shallow geohazards and environmental change*.

Di Clements left in May after 10 years as Hon Gen Sec and was awarded the President's Medal in recognition of her outstanding service to the GA. Michael Oates and Nick Pierpoint left the Exec at the AGM but both remained on Council. Graham Hickman was elected as Senior Vice-President, and Tony Doré as Vice-President. Rebecca Bell retired as Social Media representative and Student Liaison whilst Tony Doré became Postholder for Governance, Tom Phillips as Award Panel Secretary and David Ward for Marketing. Four new Council members were welcomed: John Cosgrove, David Cropp, Janet Osborn and Richard Wrigley. A full report on the AGM is included in this Annual Report. One of our plans for 2022 is to follow the Curry Fund, which has already done this, in conducting a Skills Audit of the GA Council, though we retain the option of co-opting volunteers to give us specialist advice in particular



Susan Brown presenting the President's Medal to Diana Clements in Highgate Wood

areas.

Although we were able to meet the award winners at the virtual AGM, we were unable to make the presentations in person of course. Vanessa Banks and other GA members have been travelling round the country visiting our award winners in some location particularly meaningful to them and sometimes with a mini field trip added on. We were especially fortunate in being able to present the Foulerton Award to Dr Paul Olver in June. Dr Martin Bates received his Henry Stopes Award at an important geolocation and the occasion was marked by a special geocache. Vanessa has been describing these visits in her President's Reports in the **Magazine** of the **GA** in 2021.

The Annual Meeting of Local and Affiliated groups on 5th November was also held by Zoom. This year, amongst the issues of mutual interest this meeting always reveals was concern over group archival storage and as a result we hope to hold a workshop on this topic early in 2022. Other issues included the lack of an up-to-date national guide to all geological sites in the UK fully accessible to those with mobility problems, including information about parking, handicapped toilets etc. A third topic was the need for future-proofing all groups in a time of Zoom vs. hybrid vs. fully in person meetings; how to preserve the benefits of membership while making activities accessible to those who would otherwise be excluded. Virtual meetings have been a boon to the older/disabled amongst us.

Tony Doré in his role of Governance Postholder has been busy, with the help of Janet Wright and many others in updating the GA Risk Register, including risks relating to the pandemic, the GSL/ GA tenure of Burlington House, the arrival of Open Access publication and reputational risks relating to Social Media. Peter Jones took on the responsibility for our Safeguarding policies in 2021, and all Council members have been encouraged to take the basic NSPCC online course in Safeguarding. The usefulness of this course will be reported on in 2022. All those involved in leading/organising field trips, with Rockwatch, SchoolRocks! and other activities should also have one of the higher level courses from the NSPCC and DBS (Disclosure and Barring Service) checks. Thanks to Tony, Janet, Peter and the other Council members who have been engaged in these important tasks.

The year ended with a social media controversy over one of the speakers at vFOG. One of our vice-presidents, Lucia Pérez Díaz, and another Council member Tom Phillips, left the GA Council as a result. We are very grateful to Lucia for her past contributions to the association, e.g. developing our branding, her work on merchandizing and crucially EDI, and to Tom for his work as Student Liaison and for the Awards Panel as Secretary. Tony Doré, our second vice-president, stepped down from that role, but is still working tirelessly on our Governance issues and the Risk Register. We were very lucky in being able to call upon three experienced Council members to join the depleted Executive (of Vanessa Banks, Graham Williams and Sandy Colville-Stewart). Colin Prosser and Nick Pierpoint are acting as our two vice-presidents, and Jonathan Larwood as a senior advisor. Thanks to all three for stepping up when they were needed. This support helps to ensure governance of the GA remains stable until a new Executive is elected at the AGM in May 2022. As a result of the social media interest, the GA has set up an independent review into speaker selection and our thanks must go to Dr Keith Duff and Dr Rebecca Bell for agreeing to conduct the review. We hope to receive the report early in 2022. Council will then review the recommendations and create new procedures as appropriate. However, it is also important to remember that this was one lecture out of the many hundreds put on by the GA over the years; that the GA membership is a broad church with many points of view; and that what is important is the love for geology which brings us together.

GA COUNCIL AND COMMITTEES

June 2021

Officers: President: Dr Vanessa Banks; Senior Vice-President: Graham Hickman (UK Field Meetings Secretary); Vice Presidents: Dr Lucía Pérez Díaz (Equality, Diversity & Inclusivity), Prof. Tony Doré (Governance); Treasurer: Dr Graham Williams; General Secretary: Dr Sandy Colville-Stewart.

Postholders: Awards Panel, Curry Fund Chairman: Dr Haydon Bailey; Education: Alison Barraclough; Chair of Publications: Prof. David Bridgland; Rockwatch & Festival of Geology Organising Group Chairman: Susan Brown; GA Magazine editor: Dr Liam Gallagher; Curry Fund Secretary: Dr Jonathan Larwood; Meetings Secretary: Dr Michael Oates; Awards Panel Secretary: Dr Thomas Phillips; Chair of External Relations & GASS: Nicholas Pierpoint; Geoconservation: Dr Colin Prosser; Overseas Field Meetings Secretary: Dr Ian Sutton; Marketing: David Ward

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

Co-opted: Bob Gatcliffe (Edinburgh Conference), Gerald Lucy (photo competition & fliers), David Pedreros Bastidas (Student Rep.) Richard Trounson (Legal matters)

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, Alison Barraclough, 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: Dr Thomas Phillips, GeoWeek Rep: David Ward; Data Protection: 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, Dr Anjana Khatwa, Jonathan Radley, Dr Eric Robinson, Dr Barbara Silva, Sam Scriven

Publications Committee: President, Treasurer, Chairman: Professor 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: Peter Doyle & Guides Editor: Prof. Susan Marriott

Outreach/External Relations Committee: President; Chairman: Nick Pierpoint; Social Media: Tom Phillips and John Cooper; School Rocks! Haydon Bailey; Geolab: Nikki Edwards, Education: Alison Barraclough; 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 Lucía Pérez Díaz, Dr Jonathan Larwood, David Pedreros Bastidas, Dr Thomas Phillips, Janet Wright

GA Festival of Geology Organising Group: Chairman: Susan Brown, Dr Vanessa Banks, Dr Sandy Colville-Stewart, Dr Amy Edgington, Dr Wendy Kirk, Geraldine Marshall, Sarah Stafford

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

Rockwatch Management Committee: Chairman: Susan Brown; David Bone, Professor Peter Doyle, Alan Holiday, Dr Wendy Kirk, Dr Jonathan Larwood, Dr Michael Oates, Susanna van Rose, Dr Amy Edgington,

Rockwatch Co-ordinator: Geraldine Marshall.

Earth Heritage: Professor David Bridgland plus non GA members.

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

Awards Panel: Chairman: Dr Haydon Bailey, Secretary: Dr Lucía Pérez Díaz, Professor David Bridgland, Professor John Cosgrove, Dr Graham Williams

GA Student Symposium: Chairman: Nicholas Pierpoint; Dr Liam Gallagher, Dr Lucía Pérez Díaz, David Pedreros Bastidas, Dr Thomas Phillips, Janet Wright

SchoolRocks! Dr Haydon Bailey, David Ward, Alison Barraclough

MEMBERSHIP

The deaths of the following GA Members were reported during 2021:-

Alison Angus, Stuart Baldwin, Donald Bowes, Ieuan David, Roger Dixon, Brian Donnelly, Stephen Dumpleton, Graham Evans, Peter Fookes, Peter Frost, Dennis Fulwood, Mavis Gill, Paul Kivenaar, Roger Knight, Derek Le Helyer-Holloway, Roger Le Voir, Theresa MacIntyre, John Murray, Paul Olver, Peter Sims, John Stanley.

100 New Members 14 formally resigned. Total 2021 Membership, 44 Joint 935 Full

121 Associate 57 Student 39 Honorary Life & Life Members .Total 1196

Rockwatch 2021 Membership 1941 of which 4 are institutions. Comprising of 633 individuals and 326 families (averaging 4 persons per family), 4 institutions.



OUR LONG SERVING MEMBERS

Members who joined in 1971 and reached 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

Members who joined in 1951 and reached 70 years:-

Michael Le Bas, Roy Metcalfe

ANNUAL GENERAL MEETING 7 May 2021, 6pm

Held virtually by Zoom

Vanessa Banks welcomed all to the second virtual AGM of the Geologists' Association. A maximum of 74 attendees was recorded. Nick Pierpoint then conducted the meeting.

1. Minutes of the 2020 AGM: no corrections

2. Introduction of Annual Report and Accounts for 2020

3. Introduction of proposed Officers for 2021/22:

Retiring Officers: Nick Pierpoint (Senior Vice-President), Mick Oates (Vice-President), Diana Clements (Hon General Secretary)

Proposal for new Officers: Graham Hickman (Senior Vice-President, UK Field Trips Secretary), Anthony Doré (Vice-President, Governance)

Continuing Officers: Vanessa Banks (President), Graham Williams (Hon Treasurer), Lucia Pérez-Díaz (Vice-President, Chair EDI)

Retiring Post Holders: Rebecca Bell (Student Liaison, Social Media)

Proposal for new Post Holders: Anthony Doré (Governance), Tom Phillips (Awards Panel Secretary), David Ward (Marketing)

Continuing Post Holders: Haydon Bailey (Chair Curry Fund, Awards Panel), Alison Barraclough (Education), David Bridgland (Chair Publications), Susan Brown (Rockwatch & FOG), Liam Gallagher (GA Magazine Editor), Jonathan Larwood (Curry Fund Sec), Mick Oates (Meetings Sec), Nick Pierpoint (Chair External Relations), Colin Prosser (Geoconservation), Ian Sutton (Overseas Field Trip Sec)

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

4. Introduction of proposed Council Members for 2021/22

Proposal for new members of Council: John Cosgrove, David Cropp, Janet Osborn, Richard Wrigley,

Continuing Ordinary members of Council: Peter Jones (Safeguarding), Janet Wright (Website Liaison, GFYS)

Co-opted members of Council: John Cooper (Facebook), Gerald Lucy (Calendar, Flyers, Photographic competition), David Pedreros Bastidas (Student Liaison), Richard Trounson (Legal Matters), Robert Gatliff (GA Conference)

Voting approval of 2, 3 and 4: Three voting forms were provided to all GA members attending offering the choice of Yes, No or Abstain. **Item 2:** Yes: 53, Abstain: 4, No: None. **Item 3:** Yes: 56, Abstain: 1, No: none. **Item 4:** Yes: 56, Abstain: 1, No: None. Item 2, 3 and 4 were therefore all approved. Thanks to Lia d'Heldt for help with setting up Zoom voting.

Expression of thanks of the Association to retiring Council members, especially to Di Clements. Mention was also made of the great contribution of Adrian Champion to the GA before his death, in initiating our Risk Register and Governance procedures.

5. GA Awards 2021

Awards will be presented to prize winners individually through the summer but the following can be announced:

Foulerton Award:

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

Paul Olver has been a GA member since 1980 and was a highly effective, enthusiastic and conscientious Overseas Field Trip leader until 2017. He has taught geology (Adult Education) in Guildford and introduced field trips and field work as integral to this 'learning'. He continued his outreach activities when he moved to Hereford, including adult education classes and became actively involved in the Woolhope Geology Club where he is now a long serving, active member (Vice President). Paul joined the GA Council in 2009 and took the initiative of forming a Membership Group (now External Relations) with the dual purpose of increasing membership and taking events to the regions – retiring in 2017. He is a

'loyal' supporter of GASS. Clearly a talented 'all-rounder' in GA terms and someone whose quietly effective and intelligent contribution to the GA Council and the GA 'family' as a whole is overdue for formal recognition.

Halstead Medal: The Halstead Medal is presented for work of outstanding merit, deemed to further the objectives of the Association and to promote Geology. This year we had two equally impressive nominations for the Halstead Medal and, unusually, Council has agreed to make two separate awards:

Paul Hildreth: In recognition of considerable and sustained work connected with the GA including: organising and leading field trips and other events, initially as a school teacher and contributor to A-level and GCSE learning but more recently, in retirement, as outreach and regular contributor to the GA Magazine as well as a full and active role in his local society (YGS) including the presidency recently.

Paul is the lifeblood of this Association and he spreads the GA message across his local area and beyond in a professional yet accessible manner.

Ian Stimpson is a Senior Lecturer in Geology/Geophysics at Keele University and has been a Member of the Geologists' Association since 2009. During this period he has actively promoted the study of Geology and its allied sciences to GA members, students and the general public. In so doing he has contributed with merit to many aspects of the Association's work. Of particular note is the steadfast support that Ian has provided to his local GA Group in North Staffordshire (NSGGA), GeoConservationUK and Staffordshire group and Staffordshire Wildlife Trust. Outreach activities include, coordinating groups of volunteers, contributions to **Geology Today** and the **PGA**. Ian has furthered the key objectives of the Geologists' Association over many years and continues to do so with great effect.

Halstead Award:

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

Amy Edgington is presented with the Halstead Award in recognition of her early career contribution to geological outreach. She has a natural flair to make science accessible to young audiences and non-scientists. She has demonstrated this through Leading Outreach for the University College, University of London GeoBus initiative and beyond. Amy's contribution towards vFOG 2020 was really impressive and instrumental in making the event so successful. Both her artistic and technical skills were much valued as she facilitated many aspects of the vFOG, in the planning and leading activities. But the Halstead Award goes beyond the GA and it is her outreach work with the Geobus that is particularly commended.

Richardson Award:

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 in the 2020 volume of the ***Proceedings of the Geologists' Association***. This year it went to **Jacqueline Skipper** and **Justyna Edgar** for: *The Harwich Formation in London – the legacy of Chris King*. **PGA** 131(2020), 474-485.

The recipients responded:

We are delighted to have been awarded the Richardson Award for our paper on the Harwich Formation. It has been a real boost to both of us, particularly for Justyna who is just completing her PhD on this subject. We would very much like to thank Malcolm Hart and everyone at the Geologists' Association who voted for us, as well as Justyna's supervisors, James Lawrence and Richard Ghail, her sponsors Concept Engineering Consultants, Geotechnical Consulting Group, and Engineering and Physical Sciences Research Council (EPSRC) Centre for Doctoral Training (CDT) in Sustainable Civil Engineering. Finally, of course, we must thank the late, great Chris King for inspiring both of us to work on the enigmatic stratigraphy of complex sediments.

Henry Stopes Medal 2021:

A bronze medal awarded once every 3 years for work on the prehistory of Hominins and their geological environment

The recipient is invited to give a lecture to GA members.

Martin Bates has been awarded the Henry Stopes Medal because of his significant contributions to understanding the geological environment of prehistoric human occupation of Britain and elsewhere over the last 40 years. His skill in outlining large-scale landscape changes that would have had significance for human populations is particularly noted. Martin is open and generous with his time and expertise to colleagues, students and members of the public alike, strongly in the spirit of the Geologists' Association.

Martin Bates responded:

It is a great honour to have been awarded the Stopes Medal and it is certainly something I would never have dreamed of when I started off mapping glacial deposits around Cadair Idris for my "O level" geography mapping project in 1979. The award is, however, a tribute to many people who have helped me and provided information for me over the last 40 years. My role in so many projects is simply that of a ring master who organises the people who do the real work and then takes their words and turns them into a story. So, thank you all.

Curry Fund MSc Award:

The aim of the Curry Prize is to encourage student excellence. The prize is awarded to one or more Master's degree theses on a geology-related topic arising from 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 it was impossible to decide between the two best candidates so two awards were made:

Archie Bunney Cardiff University

Thesis title: *Geoconservation and geotechnical engineering of geosites within the newly-designated Black Country UNESCO Global Geopark, compared to sites within GEOMON Anglesey UNESCO Global Geopark*

Billie Jones University of Bristol

Thesis title: *Locomotor divergence in Macropodidae: Protemnodon was not a giant hopping kangaroo*

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.

Research Awards:

UK Onshore Geophysical Library Research Award: The UKOGL Fund helps one or more deserving final year MGeol / MSc 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

Tegan Allen Durham University

Thesis Title: *Clay-based filter systems using Afghanistan clay deposits: optimising manufacture for efficient water treatment*

New Researcher grants awarded in December 2020:

Holly Chubb University of Newcastle, (Baker-Arber Fund)

John Edgar University of Newcastle, (Wyley Fund)

Adam Eskdale Royal Holloway University of London, (Wyley Fund)

Matthew Johnson University of Hull, (Wyley Fund)

Martha Papadopoulou University of Leicester. (Wyley Fund)

Tom Winder University of Cambridge, (Callomon-Porter Fund)

Meetings Grant:

Elena Jones Hull University Masters of Research Student

EGU General Assembly 2021 - 19–30 April 2021 – virtual meeting

Joe Collins: a celebration of his life and work:

Joe Collins died in January 2019, but his guide to the fossil Decapoda of the British Isles was published posthumously, in 2020, in the **PGA**, with the aid of his colleagues. This was a life work for Joe who had been a GA Member since he was a teenager (over 75 years). Joe was a foremost expert on fossil decapods. He was an Honorary Member for his long service and annual display of fossils at the GA Festival of Geology. Joe was presented with the Foulerton Award in 1971. It seems timely to invite interested parties to celebrate his life and work by contributing to the organisation and running of a half day conference (virtual) on Crustaceans in his honour during the coming year.

Long serving members:

This year we have sent members who joined in 1970 their '50 years of membership' certificates:

Peter Allen, Robert Baron Chandler, Jeffrey Davies, David Evans, Karen Anne Ewing, Andy Fleet, Alan Peter Heward, Bernard Elgey Leake, Carol Lister, Michael John Oates, Timothy Palmer, Andrew Cunningham Scott & Michael Peter Tasker

Member who has reached 70 years of membership

Ronald Keith Harrison (joined 1950)

President's Medal:

This Medal, introduced in 2017, is given in acknowledgement of long-service contribution to the continued administration and benefit of the Geologists' Association. The Medal is for *extended work of merit* connected with the Association; it is open to both Council and non-Council members.

Diana Clements is nominated as the 2021 recipient of the Presidents' Medal in recognition of her long - standing, dedicated commitment to the Geologists' Association and its objectives. She has made an outstanding contribution as the General Secretary of the Geologists' Association since 2011. Diana's interest in geology stemmed from tumble-polishing pebbles, leading to a degree in Geology through the Open University as a mature student and then employment in the Natural History Museum, London, first as an "explainer" and now in the Palaeontology Department.

Di has a keen interest in the geology of London and Urban Geoscience, attending, leading, and supporting numerous field trips in this area of expertise.

Diana Clements' response:

I feel deeply honoured to have received the President's Medal and will really treasure it. I have spent a most interesting ten years as the GA General Secretary with a total of six different presidents, all with very different styles and each bringing something new and exciting to the GA. I will particularly miss working with Sarah Stafford whose positive attitude has helped make the job considerably easier and pleasurable. But I could not have achieved anything without help from all at the GA. It has been a pleasure to work with you all and I hope to keep in touch via events, particularly with help in running stalls. Very many thanks to Vanessa and the other presidents for the Medal and to everyone for the enthusiasm to take the GA forward.

Finally... Officers of the Association, Executive Secretaries and Council Members:

A special thank you from the President to all of you for your continuing support throughout a particularly challenging period. We have a thriving Association largely thanks to the time, effort and all the hard work that you contribute. Also - thank you to all those who have given such splendid virtual talks and events and especially to Sarah Stafford for whom it has been a challenging year. Thanks also to her and Kevin Perry from the GSL for enabling us to hold our Zoom meetings. Your efforts on our behalf have been much appreciated by everyone in the GA. Thanks also to Nick for the presentation this evening.

6. Presidential Address:

Dr Vanessa Banks: *Shallow geohazards and environmental change*



Presentation of the Halstead Award to Dr Amy Edgington at Colchester Castle Essex

Back left to right

Geraldine Marshall, Sarah Safford, Amy Edgington, Susan Brown,

Front. Vanessa Banks.

LECTURE MEETINGS 2021

The monthly lecture programme for the Association initially followed the pattern inherited from 2020 due to the Covid-19 pandemic. Burlington House was closed to meetings so all, up to the summer recess, were held virtually by Zoom, starting with January's contribution by Dr Jon Noad who addressed us from Kingston, Jamaica with an expert view of the interpretation of trace fossils. February went to the opposite scale of geological research and provided an opportunity for our Council member, Dr Lucia Pérez Diaz to present her own work on mantle plumes and their effects on tectonic plates.

The meeting in March marked the Halstead Lecture, an annual event often showcasing an outstanding presenter at GASS (Geologists' Association Student Symposium). This occasion allowed us to hear the exploits of Zoe Mildon, chasing earthquakes around the world.

As sometimes happens, events conspire to prevent a speaker from taking part on the appointed day, so for April we were regaled with an earlier than expected account by Dr Jed Atkinson, whose recent research investigated the apparent increase in size of bivalves after the end Triassic extinction event. In May our President brought us back to the present by reminding her audience of the importance of understanding shallow geohazards during times of environmental change, and how this formed an important role for the British Geological Survey today. Prof David Martill presented an astonishing range of different flying reptiles in his review of pterodactyls of the Sahara Desert, based mainly on his own work on Lower Cretaceous discoveries in Morocco. The last talk before the summer recess welcomed Dr Catherine Hirst, an expert in geothermal resources of the UK and she gave an excellent review of this increasingly relevant subject.

As the country started returning to more normal activities after lockdown, we were delighted to meet once again in Burlington House for the October talk by Prof Hugh Torrens on George Bellas Greenough, his history and the story of the geological map attributed to him, which closely followed on William Smith's original. The final speaker of the programme for December 2020 withdrew at short notice but we were very fortunate to be able to hear instead Prof Mike Benton's brilliantly illustrated lecture on how colour in dinosaurs and other ancient reptiles could be discerned from the fossil record. This talk finished the year on an optimistic note and the hope that during 2022, meetings will be able to proceed more normally.

What the last two years has taught us, however, is that we can run a hybrid lecture programme, face-to-face in our London venue as well as virtually via computer links. The latter have enabled members unable to attend Friday evening meetings and visitors from afar to participate, and the provision of breakout sessions has extended the meetings so that participants can meet up and chat amongst themselves. This ability to be more inclusive for GA members all over the country, or world, presents many exciting opportunities for the future. Our thanks must go to Sarah Stafford and Kevin Perry for running the Zoom meetings, sometimes later than they would probably have wanted by allowing members to talk freely for a long time after lectures. Also Gerald Lucy's posters really boosted the publicity for our programme of talks.

Michael Oates

Indoor Meetings Secretary

UK FIELD MEETINGS

The social distancing restrictions due to the ongoing COVID-19 pandemic meant that we were unable to hold physical field meetings during the first half of 2021. However, this enabled us to explore other ways of delivering a programme of virtual workshops using Zoom: nine were held covering six topics. Three were repeated due to popular demand.

Emma Jude delivered two Zoom Workshops, in January and March, on *Art and Geology*: one on fossil drawing and the other on field sketching and landscape drawing. These were both highly interactive with the participants being able to draw along, share their work and ask questions throughout. The group size was limited to between twenty and twenty-five participants and interaction was encouraged. Also, in January and March, Paul Markwick delivered two Zoom Workshops on *Geological Photography*. These explored how to take good geological photographs in the field. Mark wove the geological photography into a basin history or "story from the rocks" based on a field trip in southern Spain. Again, very interactive with good input

from the participants.

Norman Dutton led a virtual workshop, in March, on *Understanding Geological Maps*. This was based on a physical half-day workshop he had done with the Warwickshire Geological Conservation Group in 2019. The workshop was highly interactive with participants having printed out maps and worksheets ahead of the session.

In June, Rob Francis led a Zoom Workshop on *Geo-Poetry*. Rob is the Poet-in-Residence at the BCGS, a position created as part of the Black Country Geopark publicity. The workshop focussed on communicating geological concepts through poetry to engage a wider interest. Participants were guided through steps in creating their own poetry to communicate geological places and themes.

Caroline Buttler and her team from the National Museum of Wales led a workshop, also in June, on *Geological Collections*. This session covered numerous topics around geological collecting including conserving, ownership responsibilities and disposal of collections. Perhaps less interactive than some of the other workshops there was still plenty of time for participants to ask questions and we were glad to see at least two younger Rockwatch members taking part.

In July, with a repeat in October, Peter Austen and Ed Jarzembowski led two workshops on *The Smokejacks clay pit and the Wealden fossil discoveries*. This was presented to a larger audience in a lecture style but with additional opportunities for questions. Over sixty people attended and there was significant interest generated for a follow-on field visit.

During 2021 we have been able to hold three physical field meetings, including two weekend trips. All three were in September: a weekend in Dorset led by Bob Chandler, planned by John Cope; a visit to Denbies Vineyard to investigate *Geology and Wine*, led by Dick Selley; and finally, a weekend trip to the North Somerset Coast, led by Jonathan Turner.

We are grateful to the leaders and their flexibility in rescheduling the field meetings for 2021. We are also grateful to Sarah Stafford, in the GA office, who has had the additional burden of communicating the cancellations and rescheduling. It is hoped that, as Covid-19 restrictions are lifted, meetings involving indoor spaces, such as Museum visits, can be rescheduled. The things learned from the cancellations of the programme have been used to update the **U.K. Field Trip Guidelines** document. Also, a **Covid-19 Risk Assessment & Guidelines** document was developed and shared with Local and Affiliated Groups in anticipation of restarting field meetings

Graham Hickman

Field Meetings Secretary



OVERSEAS FIELD MEETINGS

This is clearly a very short report as there have been no field trips overseas in 2021 as a consequence of the Covid-19 pandemic.

It was intended to start a revival of trips in 2022 with the postponed trip to Turkey (originally planned for 2020) led by David Bridgland and Alison Ure, but once again the pandemic has defeated us, and we now hope to include this trip in a full 2023 programme.

There is a faint silver lining to this big black viral cloud in that David and Anne Bone are hoping their postponed museum trip to Madrid will take place in early October 2022.

Ian Sutton
Overseas Field Meetings Secretary

GEOCONSERVATION

Although there has been a far greater level of 'normality' than experienced in 2020, restrictions and confidence around travel and group activities has continued to impact on geoconservation. Having said this, the GA has continued to play its part in attempting to promote geodiversity and geoconservation and where possible to achieve things on the ground.

During 2021 we continued to manage the publication of *Earth Heritage* magazine, working with our partners to publish issues 55 and 56. Dr Murray Gray, a long-time member of the GA and an international champion for geodiversity, wrote an article in *Earth Heritage* issue 55 describing the proposal for an International Geodiversity Day (IGD). The exciting news is that in November 2021 UNESCO (United Nations Educational, Scientific and Cultural Organisation) approved the proposal and announced that there will now be an International Geodiversity Day celebrated each year on 6 October. This is great news for those interested in geodiversity and geoconservation and the GA was delighted to be one of the bodies which wrote to support this initiative. Our congratulations go to Murray and the team that worked with him to achieve this. The question now is: how should the GA mark the first International Geodiversity Day on 6

October 2022 ?



BBOWT staff and volunteers at the cleared section of Involutions at Pitstone Quarry/College Lake

Other activity included: responding to the government consultation on Local Nature Recovery Strategies; a talk on the North West Highlands UNESCO Global Geopark at the GA Annual Conference in Edinburgh; hosting a geoconservation breakout discussion at the Festival of Geology; providing talks on geoconservation to a number of local groups (e.g., Essex Rock and Mineral Society and Hertfordshire Geological Society); assisting with practical conservation by local groups such as the new interpretation at Pitstone Quarry SSSI, Marsworth (see *Earth Heritage*, 55); publication

of geoconservation papers in the *PGA* and maintaining the Curry Fund as a source of funding for projects including geoconservation activity.

*Berkshire, Buckinghamshire & Oxfordshire Wildlife Trust

Dr Colin Prosser
Chair – Geoconservation

THE CURRY FUND

In 2021 the Curry Fund Committee's careful discussion and deliberation continued via zoom. We considered 18 applications of which we were able to support 16 projects, which is very gratifying given the continued challenges we face due to the global pandemic. During 2021 a total of £18,882 (£18,297 ordinary grants and £585 GA subvention) was awarded to an exciting range of initiatives, as always reflecting the broad objectives of the Curry Fund.

Projects supported: The geology of Essex, the Jurassic Coast, Bargeat Stone, and Dry-Stone Walling have all received support for a mix of books, guides and leaflets. Dinosaur tracks on Purbeck are being monitored, Bateman's Ichthyosaur at Sheffield Museum has been restored, and Eric Robinson's archive (the Erichive) have been funded reflecting the diverse range of site, specimen, and archive conservation work the Curry Fund has always encouraged. We have also been able to continue our support for the Charles Lyell notebooks. Previously supporting their acquisition, this year we have supported their on-going digitisation.

Grants have been awarded for two meetings: the *Helston Water and Stone* conference hosted in 2021 by the Cornubian Arts and Science Trust (as well as a follow-up grant for a Helston Stone Guide), and the *Lost Beasts of the North* conference in 2022, celebrating William Buckland's 1822 discovery of Kirkdale Cave. Interpretation, in its widest sense, has included grants for information panels at Clevedon Pier, Peterborough Museum's 2022 *Extinction exhibition*, and a short film exploring the geology of the Yorkshire Coast. Perhaps most excitingly, the Curry Fund was able

to provide a grant contributing to the rescue of the 'Rutland Sea Dragon' – the largest ichthyosaur to be recovered in Britain and widely reported in the news.



Curry Fund 'Award for excellence': Each year the Curry Fund seeks to recognise projects of particular merit that were completed during the preceding year. This year two certificates were awarded for 2020 projects. Firstly, for the exemplary restoration of the 19th century Bindon Landslip Panels by the Lyme Regis Museum. Secondly, a certificate was awarded to the Bedfordshire Geology Group for their series of Greensand Trail leaflets exploring the geology, villages, and landscape of the Greensand Ridge. 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/

Jonathan Larwood
Curry Fund Secretary

EDUCATION

Education at the GA and the Schoolrocks! initiative are closely interlinked. Schoolrocks! continues to send boxes containing carefully selected rocks and fossils to primary schools to make teaching of the National Curriculum 'Rocks and Soils' as exciting and interactive as possible. The Schoolrocks! team are delighted to have worked with the Tomlinson Brown Trust to supply crates of rocks, based on the Schoolrocks! boxes, to the Primary Science Teaching Trust and hope to develop this partnership in 2022. The Schoolrocks! website has been expanded to include teaching ideas and resources, which are available to download when schools borrow a Schoolrocks! box.

Three educational workshops for primary schools are available. *Rock Detectives*, *I'm a palaeontologist!* and *Let's find out about soil* are broadly based on the Schoolrocks! teaching and learning ideas. *Rock Detectives* and *I'm a palaeontologist!* have proved very popular with teachers and children at schools which have requested these free workshops.

As the GA representative on the Oxford, Cambridge, and RSA Examinations (OCR) Science Forum I attend the bi-annual meetings. In April 2021, I was invited to speak about the work which the GA has carried out to support schools during the Covid-19 pandemic, and highlighted Schoolrocks!, the resources provided by ***Geology from your Sofa*** and the Geolearning section of the GA website, all of which have received very favourable comments from teachers.

OCR is planning to establish a new GCSE, Natural History, which will have an appreciable geological content. The GA was invited to comment on the specification proposals, and this led to the formation of a GA Education Subcommittee in 2021. The revised GCSE is now with Ofqual, and the Education Subcommittee hope to be influential in the development of this qualification and in the content of the proposed Applied Science A levels, especially the Level 3 Applied Green Science.

The Geological Society Education Committee holds regular meetings which are attended by the Education representative of the GA. One of the more pressing educational concerns of both the GA and the Geological Society is the continuing decline in the number of schools offering GCSE and A level geology, and the limited opportunities for teachers to train as geology specialists. The loss of Dr Chris King's excellent summer school, which provided a week-long opportunity for non-geologists to learn about teaching geology, further highlights the severity of this problem. There is a need for a coordinated approach between the geological community, Ofqual and the examination boards to ensure the continued teaching of geology in schools. It is proposed to extend the work carried out by the Education Subcommittee in 2022, and to establish closer links with museums, field study centres, and the Earth Science Teachers' Association.

Alison Barraclough



School workshop



children from the school examining the rocks using the hand lenses

MARKETING

During the last year I have focussed on two areas: Science Festivals and Geoweeek. I hope to work on links to other outdoor organisations in the coming year.

Science Festivals:

The GA Festival of Geology gives us an excellent opportunity to promote the GA to both the non-geological public and to committed geologists. To broaden its base, we have the opportunity to promote the GA via the UKBSN (UK British Science Network). The main effort this year has been to look more widely at Science Fairs so as to exhibit at appropriate ones. We already have a presence at Lyme Regis, Sidmouth, the Essex Rock and Mineral Festival and the Amateur Geologists' Society, but there are many other festivals where we may fit in. I have reduced the list of contenders to 17 and hope that Council will inform me if they know of others or can comment on the appropriateness of specific ones.

Science Festivals where GA may consider participating in 2022 or subsequent years:

Essex Rock and Mineral Show: 19 February

Cambridge Science Festival: March

Southampton Science and Engineering Festival: 7 May

Lyme Regis Virtual Fossil Festival: 30 May-1 June

The Great Exhibition Road Festival: June

Lancashire Science Festival: June

Abingdon ATOM Festival of Science and Technology: June

Cheltenham Science Festival: June

Bristol Natural Science Consortium: June

Noël Turner Science Festival: 30 June - 1 July

Merthyr Science Festival: July

British Science Festival: September

Basildon Street Science: September

Yorkshire Fossil Festival: September

Manchester Science Festival: October

Norwich Science Festival: October

Peterborough STEM Festival: October

Amateur Geological Society: November

Geoweeek:

Geoweeek is undergoing some internal changes as the lead passes from John Stephenson and Chris King. The website has passed from BGS hosting to University Geology UK hosting and is being upgraded. We are still intent on running physical Field Meetings in May and the map for recording meetings is being upgraded and will be available shortly.

I would like to thank Nick Pierpoint, Di Clements and Sarah Stafford for their help and support during the year.

David Ward

ROCKWATCH

During yet another year of national ups and downs resulting from the Covid-19 pandemic, I'm delighted and more than a little relieved to be able to report that the Rockwatch membership remained extremely healthy. We had 304 new member registrations bringing the total membership number at year end to 1289, an approximate 20% increase on the numbers since last year. The website continued to be populated with updates and new information thanks to our excellent website manager, Helen Connolly. The Blog on the site not only highlights current inputs but also holds an archive of all our previous blogs. It is a great resource for visitors to the site because there's such a lot on offer to use at a time of their choosing. The "Finds" section run by Michael Oates continues to attract lots of interest and his responses are a marvellous encouragement to the youngsters who send in their queries.

The Rockwatch annual competition brought in a wide range of very high-quality entries throughout the age categories. They are endlessly fascinating and astonishing. Year after year the judges are amazed at the imagination, geological knowledge, skill, originality and more that these young people achieve with their entries. Although judging is quite tough it is always a great pleasure because almost all the entries are of such a high quality. And, thanks to our numerical score procedure we can ensure objectivity as far as possible. You can see clips of some entries in a short video on our website. Rockwatch was again involved in organising the annual Festival of Geology. This year, as last, it was held virtually because of problems with Covid-19. We ran the popular Discovery Room with its range of live activities, including the Rockwatch Challenge, for children and young people.

Despite difficulties during the year, the magazine was published on time and with its full complement of articles. This was no mean feat as illness took its toll, but our science editors, Susanna van Rose and Peter Doyle, and our publishing editor, Seabury Salmon, worked tirelessly to ensure that schedules were met. We are indebted to them for the high standard of articles. Authors include Rockwatch competition winners, former Rockwatch members, professional geologists and academics, to mention just a few. We are also indebted to our administrative assistant/co-ordinator, Geraldine Marshall. Whilst working from home because of Covid-19, she has welcomed new members by sending out their packs and being the first point of contact for dealing with any queries in her helpful and enthusiastic way.

In the September issue of the *Magazine of the GA*, I wrote a short report on what some of our former members are now doing. Of course, I could only report on those with whom we still had contact. Those keeping in touch may write for the magazine, help on field trips or send in the occasional e-mail. Most are now working as professional geologists, as academics, in teaching and in museums but some are still at university. Not all have followed their early interest in geology, but, for example, find that the knowledge they acquired during their membership enhances their holidays. Although we have no formal contact with former members, I'm pleased that many do keep in touch. We have a section on the website where they can send a short profile and I'm hoping this will morph into a Rockwatch Alumni Association which I also see as a helpful networking opportunity for them.

It is with great sadness that I reported the death of Roger Le Voir in October. Roger was one of the early members of the Rockwatch Management Committee (RMC) and was active until shortly before his death. He was hugely supportive with our outreach events and our own Rockwatch events. He will be greatly missed.

We've been very fortunate to welcome David Bone and Amy Edgington on to the RMC during the year. David has kindly taken on the role of Hon. Treasurer and Amy is a much welcomed and highly innovative member of the RMC.

Planning is already underway for our field trips next year. We are optimistic that they will be able to go ahead. They are one of our flagship activities much prized by members.

I'm pleased to note that our supporters Anglo American Group Foundation, Equinor, the Geological Society and its Petroleum Group and the UK Onshore Geophysical Laboratory. are keeping faith with Rockwatch during these difficult and trying times. It is thanks to their generosity and continuing support that we have the freedom to provide the range of activities for our members and the public, that we can run such a varied and interesting programme for our members. It is also thanks to them that we are able to keep our subscription rates so low that membership really is open to any child who wishes to join.

Thus, despite Covid-19 and its impacts, Rockwatch has had a good year. We've continued to meet our targets; our volunteers have stayed in touch and membership has increased.

In conclusion, I wish to say that it is a privilege for me to be involved with such an enthusiastic group of volunteers, supporters, and enthusiastic young members of Rockwatch and their families. As I recorded in a recent article in the *Magazine of the GA*, it is wonderful to note that many of our former members keep in touch with us and are willing to play an increasingly active role in the club despite being so busy themselves. I really do welcome their involvement and the wonderful example they set to our current membership. And, armed with this knowledge, I believe that when our members leave the club, they will take with them a lasting understanding and appreciation of Planet Earth and how they might help to steer its management and stewardship for the benefit and welfare of future generations.

Susan Brown
Rockwatch Chair



Fantastic Finds at Shorncliffe Quarry



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).

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 or telephone: 020 7434 9298.

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 Furrminger

In 2021 due to popular demand, the decision was made to produce a GA Calendar for 2022. Gerald Lucy carefully selects the monthly photographs from photographic competition entries and the GA Carreck photographic archives. Gerald also adds detailed descriptions to each photograph. Our sincere thanks to him for the hard work in producing such a high quality calendar.

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

Dr Vanessa Banks
President

Dr Sandy Colville-Stewart
Honorary General Secretary

Vanessa Banks

S. Colville-Stewart

GEOLOGISTS' ASSOCIATION LOCAL GROUPS

DORSET GEOLOGISTS ASSOCIATION GROUP

www.dorsetbuildingstone.org

2021 proved to be a very successful year for the group, despite the ongoing pandemic. Membership numbers have increased slightly. The AGM in January was conducted online, but we had an extensive field trip programme, including some postponed events. We managed to have nine day trips and one residential trip to the Black Country, all of which were highly successful. Our day trips included visits to Dartmoor, Portishead, Vale of Wardour, Lyme Regis, the Fleet shore (Weymouth), Sherborne area quarries, Wimborne Minster and a William Smith walk near Bath. The Festival of Geology weekend field trip was a building stone trail around Weymouth.

Members received a weekly round-up of geological articles and weblinks as well as the GA's **Geology from your Sofa**. Quarterly editions of our Newsletter, in full colour, have once again gone out to members with varied articles and field trip reports. The website continues to provide members with news, interactive maps and archived material.

Members enjoyed two indoor events. In October, we had an afternoon of illustrated talks on the geology of Northumberland, Exmoor and South Wales and, in December, we were able to stage our annual Winter Workshop, with members' displays and collections, including a buffet lunch. It was a nice opportunity to socialise and talk about 'matters geological', all within Covid rules, of course! Looking forward, we hope to revive our monthly lecture programme and annual Dinner for 2022.

Our Facebook page has also been developing, with aerial photographs, local events such as landslips and other geological news. We now have 130 Facebook members from all over the world.

Our special interest group, Dorset Building Stone (DBS), has continued to grow, expanding its coverage of Dorset's churches and historic buildings. An illustrated guide to the building and decorative stone of Kingston Lacy House (NT) has been published and is on sale locally. Further publications are planned on Sherborne, Lulworth Castle, Athelhampton House, Christchurch and Wimborne Minster. We continue to answer many geological enquiries through the DBS and DGAG websites.

Our long-serving Chairman Alan Holiday stepped down at the start of 2022 after 15 years leading the group and running many field trips. He will be a hard act to follow! Nevertheless, all other Committee roles are covered, and we are looking forward to an exciting programme of field trips and events for 2022.



DGAG members on the Black Country field trip in September, with Geopark director Graham Worton at Cobb's Engine House

ESSEX ROCK & MINERAL SOCIETY

www.erms.org

Our membership is currently 100, much the same as last year despite pandemic progress. 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 efficient management of our Membership system and help with the Shenfield venue, plus ERMS bank and payment systems updating. Our Treasurer, Alistair Rickards, has borne the brunt of unrelenting and eternal machinations of bank account changes.

Both the Shenfield and Stanway venues remained closed for much of the year, until August, following Covid-19 lockdown restrictions. Online Zoom talks continued monthly, often with members joining from remote locations. Speakers presented talks from distant locations, another benefit of using Zoom. Hall meetings resumed with a moderate but very enthusiastic attendance, with plenty of interest in showing specimens. We shall maintain the two monthly venues, as well as a regular Zoom offering for those who cannot attend hall meetings.

Produced with the aid of the Geologists' Association Curry Fund, the *Essex Rocks* chart was delivered at the start of lockdown. We await the hastening of face-to-face events to enable us to sell these more rapidly. Work on the planned second edition of the book, *Essex Rock* is almost complete, aided greatly by time made available by Covid lockdown. The continued assistance of ERMS members is much appreciated. ERMS member Trev Johnson has produced a huge number of wonderful colour illustrations for the book.

A new signboard for the puddingstone boulder at Oaklands Park in Chelmsford was produced and installed by Chelmsford City Museum with the help of Ian and Ros. The stone looks good in its new, more visible setting. Only 5 of the planned trips took place this year due to Covid-19 restrictions. Thanks go to David Turner and Gerald Lucy for organising a variety of visits. A highlight was when AGS Chairman Mike Howgate led a tour of the Solar System in Kent, followed by a look at hard rock structures in a nearby quarry. A tour of the revamped Pebble Walk and Ice Age Wall at Thorndon Park was led by Ian and Ros in July.

Members helped Ros and Ian exhibit their Essex Rock display at Walton Town Show on August Bank Holiday weekend; they exhibited a similar display at the British Science Festival in Bell Mead, Chelmsford in September. Both events were gratifyingly busy.

The 39th ERMS *Essex Gem and Mineral Show* in February was delivered simply as an online set of vendors' contacts this year. We are planning with the usual venue for the 40th show for 2022. Thanks go to Jeff Saward for his continued efforts despite uncertainties through the year.

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 is 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 our members and committee for keeping our Society buoyant and popular throughout the past two years of disruption.



Bulls Lodge Puddingstone

FARNHAM GEOLOGICAL SOCIETY

www.farnhamgeosoc.org.uk

We had a full programme of lectures during the year, all via Zoom. Although not ideal, everyone in the society has been able to access the lectures and so keep in touch, though much less than normal. The society has benefited greatly from some new, younger, members with new ideas.

We had a full programme of lectures, arranged again by Janet Catchpole, who continues to find some excellent speakers. Not an easy task. In the first, following the AGM in January, Mike Millar, a new member, told us about *The Exploration of some Interplanetary Moons* and in February, the *Bearrig Sandstone on Raasay* was the subject of Dr Stuart Archer. In March, Dr Thomas Vandyke investigated *Precambrian Glaciation* followed in April by Dr David Matthey on *The Climate Archives of Caves and Stalactites*. Dr Greg Edgecombe, from the NHM, told us about *Exceptionally preserved Cambrian Arthropods*. More fossils in June when Dr James Witt spoke about *Ammonite Extinction*. Christina Fisher and Ben Dixon in July asked: *Is it a Meteorite, a Precious Gem or a Dinosaur Claw?* Following a break in August, FGS members, Liz Aston. Mike Millar and Mick Caulfield told us of their experiences working in the offshore oil industry. In September, Dr Robin Hansen spoke on *Colours in the Natural History Museum* and in November, Dr John Copley from the National Oceanographic Centre told us about *Deep Sea Hydrothermal Vents*. The year concluded with a talk by Hilary Downs from Birkbeck college on *Lost Worlds of the Solar System*. We had one field trip led by John Williams.

Thanks must go to Liz and Mike for getting Zoom up and running. We hope that when things return to normal with live lectures, those unable to attend in person will continue to be able to access talks via Zoom. At the time of writing, we hope to resume normal meetings in March, with an informal get-together.

We must end this report by marking the sad death of Paul Olver. His classes in Farnham sparked the interest in geology of many members of this society over the years.



***A specimen
prepared for
the VFestival of
Geology by
Peter Crow***

2021 began with a talk via Zoom given by Professor Harry Pinkerton who spoke about the fascinating subject of dealing with risk and uncertainty on active volcanoes.

Our Annual General Meeting in February, also via Zoom, was followed by a talk from GeoLancashire Treasurer, Peter del Strother, on the geology of the north-eastern states of the USA. March brought a talk on geomorphic rocks and minerals, from another GeoLancashire member, Lesley Collins. The April talk on pollen and spores in the geological record was given by Duncan McLean.

Field excursion plans continued to be disrupted. Several had to be cancelled or rescheduled. Visits which did take place were mostly local including one to an area of the Ribble valley between Samlesbury and Brockholes. A visit to Threlkeld and the Skiddaw metamorphic aureole took place in August. The images were taken during that visit. A small group met near Clitheroe in October to look at a section of Roman road being excavated by Archaeology North.

In October Lesley Collins gave a talk on the Highland Boundary Fault, illustrated with some fascinating images of this important but elusive feature. Our speaker in November was Aberdeen-based Jess Pugsley whose subject was her PhD research into the Namibian flood basalts using digital imagery techniques. A Members' Evening in December was able to be held at our usual meeting venue at Hanson Cement's Ribblesdale works, where we are always made most welcome.

We lost three of our longest standing members during 2021. Norman Thompson was born in 1927 and joined what was then the North East Lancashire Local Group of the Geologists' Association, while still at school. He made an important contribution to the Group, holding several offices during his 80 year membership. We were sad to learn of the death of John Stopforth another member of long standing and of Bernard Donnelly who had belonged to the Group for well over 20 years.

Membership of GeoLancashire remains at about 25. Our small band works hard to keep geology alive and relevant. We have welcomed some new members and hope they have a long and happy association with our Group.



Left: Chiastolite, a variety of andalusite, also in the metamorphic aureole of the Skiddaw

Right: Folded mudrock in the metamorphic aureole of the Skiddaw granite.

HARROW AND HILLINGDON GEOLOGICAL SOCIETY

www.hhgs.org.uk

Despite the pandemic, during the past year our Society has managed to produce a full programme of talks on Zoom with some of the speakers having been previously booked for face-to-face meetings. Most speakers have been happy to have their talks recorded. Late on in the year we joined up with Hertfordshire Geological Society so that we could access each other's lectures. We are still worried by losing members due mainly to people not having the technology to access meetings on-line but, perhaps surprisingly, we have also gained a couple of new members who would otherwise have been unable to join us on-line.

This year we had a major change in our committee with the departure of our long-serving Chairman but the position has been ably taken over by a relatively new member of the Society: the Secretary's job has also been split with the introduction of the position of Meetings Secretary. We lost our meeting hall last year and, while we have been to look at several possible local venues and are carrying out a survey of what members require, finding one that fits our requirements is proving hard.

In November we had contact with a member of a local flood Action Group who invited us to join with him to inspect a couple of potentially geologically interesting areas in Ruislip. High rainfall has resulted in overflowing of the River Pinn and excessive runoff from Park Wood probably due to an impervious layer of gravel. This has coincided with us planning talks on local geology for our meetings at the beginning of 2022.

Field trips this year have been very short and sparse. We have only had half-days in Oxford and Burnham Beeches and a short weekend in Dorset. All enjoyable but we would like to be able to safely travel further afield.

With the expertise and enthusiasm of some of our members we have been very active on-line. Our *Rock Show Online* at Easter (featured by the GA) ended up doubling the number of monthly hits for our website and a big effort was put into our Festival of Geology presentation. Currently we are setting up a learner's programme for local geology.



The impervious gravel layer in Ruislip Park Wood

HERTFORDSHIRE GEOLOGICAL SOCIETY

www.hertsgeolsoc.org.uk

We've had some stunning lectures through the year, kicking off with Susanne Schwenzer giving us an enlightening introduction to the geology of Mars. This was followed in February by Prof. Chris Jackson giving us a pictorial review of the volcanic activity around Goma.

By now we were all actively using Zoom and other local societies were invited to join us. This was a good move as our numbers went up and we gained a wide audience from across the southeast and sometimes further afield. April saw our bi-annual Presidential address and Linda Hamling gave us a great insight into touring Norway in search of – Burtonite – that well known polished slab, once seen on every high street. Peter Wigley zoomed in for the May meeting and talked about William Smith, based on the wonderfully illustrated book *Strata*. In June, we had to find an alternative speaker as the booked one “didn't do Zoom” and we were fortunate to get Paul Hildreth to step in and give us his review of the Yorkshire Chalk – “It's 'ard up North!”. July saw member Mike Howgate give us a critical overview of the dinosaur – bird link.

In July we actually got into the field for our summer event walks by the rivers Bulbourn and Chess. Many thanks to Nick Pierpoint for organising this. We're grateful to the Box Moor Trust for their hospitality during the morning and the opportunity to see some of the great work they're doing. In the afternoon we were joined by Paul Jennings, Chairman of the Chess River Association who donned his full-length waders and took us for a fascinating walk down the Chess valley, viewing the springs and artesian wells on our way through the town of Chesham. Some of us managed a second field trip in September when Mike Howgate led a small party to explore the cretes of Hertfordshire. Thanks to Mike for organising and leading this trip.

The autumn lecture programme continued to provide some great entertainment with Mick Oates giving us a stunning talk on ammonites and Colin Prosser reviewing geoconservation work in the UK. In November we welcomed Tony Doré back to talk on *Geoscience, and the world after oil*. Given that this coincided with COP26 in Glasgow we were topical, as well as benefitting from a thought-provoking summary of Climate Change and the continuing need for fossil fuels through the ongoing energy transition. We rounded the year off with Bethan Davies talking about *The last British Ice sheet*.

The HGS contribution to the virtual Festival of Geology was a short talk available on YouTube *Living in Hertfordshire over the last 100 million years*. Thanks to Haydon Bailey and Janet Wright for producing this.

Finally, we are currently developing a new website, which will contain much more information and be easier to navigate. Thanks to Janet Wright, Margaret Selby, Clive Maton, Nick Pierpoint & Lesley Exton for their work on this and the HGS members currently testing it. It should go live in Spring 2022.



Summer walk outside Box Moor Trust

The KGG year 2021 was again dominated by the pandemic and Covid restrictions. Consequently, our wide-ranging programme of twelve meetings continued remotely using Zoom. Attendance was very good with some 24 to 30 people joining us. When Covid rules were relaxed, we managed to carry out three enjoyable one day local field trips and in September a week-long residential field excursion to Devon. A decision to return to face to face, or hybrid meetings at the United Reformed Church Hall in Maidstone, Kent is constantly under review but for the time being the Zoom remote format remains for 2022.

Membership of the KGG is open to all who have an interest in geology, regardless of qualifications and experience. At the beginning of the year, we had 47 paid up members and by the end of 2021 this number had risen to 56. Due to Covid, and with healthy reserves, the annual subscription (which runs from January to December) was waived for existing members but has been reinstated for 2022 and remains at £15.00. The subscription for each additional Member living at the same address (of which there are six) is £2.00.

In February 2021 we published an annual newsletter comprising nine fascinating articles ranging from *The Areology of Ares (The Geology of Mars)* to *A walk along the Medway in the Burham area* as well as a poem about *Fracking*.

Our AGM was held on 16th March 2021 where members elected Dr Anne Padfield (Chairperson), Mandy Bird (Treasurer - part year), Grahame Godding (Secretary), Ann Barrett (Indoor Meetings Secretary), with supporting committee members: Alison Taylor, Doreen van Seenus, Duncan Stewart (Webmaster), Tony Mitchell, and additional support from Dr Adrian Rundle, Dr Ed Jarzembowski and Peter Jeens. The Minutes can be found in the Members Area of our website.

Finally, our website was expanded in the Members area with PowerPoint learning pages on *Rock Forming Minerals* and *Contaminated Land Remediation*, another resource that we can be proud of.



4th September 2021 - KGG Group at Boxley Church near Maidstone, Kent investigating the local geology under the leadership of Dr. Anne Padfield

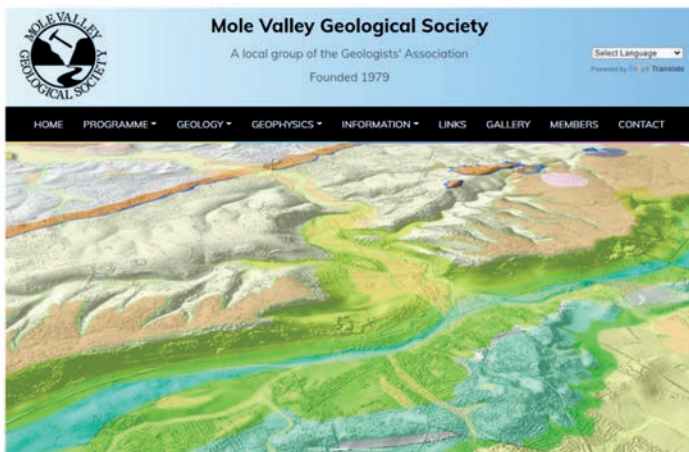
MOLE VALLEY GEOLOGICAL SOCIETY
www.mvgs.org.uk

Last year in our Chairman's Annual Report, we expressed the hope to re-start the field trip programme sometime early in 2021 and recommence face-to-face meetings by April. With hindsight this was impossibly optimistic. Nevertheless, what we have done is remarkable and with a field trip to Gower having gone ahead last September and our October AGM and November's lecture held face-to-face, we seemed to be back on track – only to find ourselves back on Zoom for our Christmas and January lectures. Nevertheless, we are hoping to recommence face-to-face lectures in February and hope to run at least some field trips in 2022. However, in an attempt to learn from last year's hubris, don't let's be surprised if it all goes horribly wrong and we end up back on Zoom...

In the meantime, we should celebrate our successes of the past year. Most importantly, we maintained a full and fascinating lecture programme. By utilizing Zoom, not only were we able to get lecturers from all parts of the United Kingdom (England, Scotland, Wales and Northern Ireland), some of whom would not have otherwise been able to talk to us, but we were able to be joined by members as far away as Germany, South Africa and even Scotland. These were real advantages, bestowed by our response to the pandemic and which we will lose when we revert to business as usual: silver linings indeed.

Our programme for the year involved apocalyptic lectures on volcanic eruptions in the geologically-recent past and meteorite impacts in the Pre-Cambrian, along with geological evidence for past earthquakes preserved in fossilised quicksands. We also learned fascinating details about Jurassic squid, the colour of dinosaurs and Darwin's barnacles. We held both of our usual soirées, Christmas and Summer, with members providing great presentations on the geomorphology of the Midland Valley of Scotland, biking in the Himalayas and the Dolomite Mountains in Italy. In our absence from the Hall, members were encouraged to provide their own refreshments...

Apart from providing a full lecture programme and a series of newsletters, which are, of course, the bedrock of any geological society (see what I did there...), the most important thing we did last year was to upgrade and re-launch our MVGS Website (www.mvgs.org.uk). One thing that the new website has allowed us to do is to present seismograms of significant earthquakes, as recorded by our very own seismometer: the MVGS RaspberryShake, the purchase of which was generously funded through the Curry Fund of the Geologists Association. This has recorded relatively small earthquakes from as near as Bedfordshire, Lincolnshire, the North Sea and the



Welcome to the Mole Valley Geological Society

The Mole Valley Geological Society normally meets monthly for lectures, soirées and occasional field excursions to study the geology of the Mole Valley and beyond. Founded in 1979, the Society is a Local Group of the Geologists' Association, founded in 1850. Visitors are very welcome. No previous geological knowledge is needed, just intense curiosity about the Earth and its history.

English Channel, although none yet from Surrey. It has also, remarkably, recorded large quakes from as far afield as Croatia, Turkey, the Mid-Altantic Ridge, Iceland, Haiti, Alaska, Fukushima in Japan and, more recently, Acapulco on the west coast of Mexico. I still find it remarkable that earthquakes that happen over 9,000km away can be recorded in the Mole Valley.

Here's to another year of great lectures, perhaps some field work and more earthquakes – although not too close.

NORTH STAFFORDSHIRE GROUP OF THE GEOLOGISTS' ASSOCIATION

www.nsgga.org

Activities were restricted by the Covid pandemic, so lectures and committee meetings were held online. Membership is steady, with a total of 76 members at the time of the AGM. Our January lecture was *The Dating Game – The age of the Earth and modern geochronology* by Dr Ralf Halama (Keele University). In February *Delta tops and succession hops: The Clackmannan Group, Midland Valley, Scotland* was delivered by Andrew Mitten (Keele University). The NSGGA Chair's Address, by Peter Jones of Derby University in March following the AGM, was *The Pleistocene succession in the Middle Trent Basin according to R.M. Deeley (1886) and what we now know from subsequent research*. In October, Dr James B. Riding (BGS) delivered *What sedimentary rocks can tell us about astronomical cycles and climates in deep geological time*. In November, the 21st Wolverson Cope Lecture entitled *Minerals of Staffordshire and the Peak District* was delivered by Roy Starkey the author of *Minerals of the English Midlands* (2018, British Mineralogy Publications). Our Christmas social was online with a quiz and a series of short, illustrated talks about the Bateman Gallery restoration at Biddulph Grange.

At the 72nd AGM on 11 March, Peter Jones stood down as Chair, becoming Vice Chair at the end of his two-year term. Barbara Kleiser stood down as General Secretary after five years with her contribution much appreciated by the committee and members. The following officers were elected: Chair, Stephen Addison; 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; Barbara Kleiser; Janet Osborn; John Reynolds.

Dr Ian Stimpson (Keele University) was awarded the GA Halstead Medal. This was presented by Dr Vanessa Banks at an outdoor ceremony at Keele on Saturday 26th June. Afterwards, Ian led a fascinating geological walk around the campus, culminating in a pleasant picnic lunch in the grounds of Keele Hall. Albert Benghiat led the September field trip to Tideswell in the Peak District, examining the geology and focussing on the relationship between volcanics and limestone.

Judging for the John Myers Awards for Keele University geology students' projects was online. The medal winner was Lauren Clarke for her BSc course project *The Geology of the Big Moor area, Peak District, UK*. Runner-up awards went to Mike Berry (masters) and Joshua Catton (BSc). New medals were obtained from Thomas Fattorini Ltd. of Birmingham for at least ten years' worth of awards.

In 2021 we noted the sad passing of two individuals associated with the group. W. 'Barrie' Whitfield died in July. He had been an NSGGA member, was the Association of Geology Teachers Treasurer 1977-81 and taught Geology at Stoke Sixth Form College. Dr Peter Floyd, former Reader in Geochemistry at Keele University died in September. Peter was heavily involved with the NSGGA, serving as chair 2003-2005 and vicechair 2002/3 & 2005/6.

Visit to rock exposures at Keele University campus following presentation of the Halstead Medal to Dr Ian Stimpson (centre)



READING GEOLOGICAL SOCIETY www.readinggeology.org.uk

Another different year for the society - virtual meetings continued despite hoping to get back to face-to-face meetings as well. Field trips restarted in May and our committee met together in person at long last in the summer.

Our lecture programme, organized by Roger Hurley, was very successful and we attracted many new members joining us virtually and often had more than 50 participants. Ten lectures were arranged from excellent speakers, and the advantage of "virtual" was that we had lectures from further afield than usual. We had two Scottish themed lectures from Angus Miller (GeoWalks) and Rob Strachan (University of Portsmouth). These were followed by lectures on *Meteorites* by Queenie Hoi Shan Chan (Royal Holloway) and on *Sarsen Stones* by Peter Worsley (University of Reading). Duncan MacGregor (Macgeology) lectured on *African Geology*, Dougal Jerram (DougalEarth) on *Igneous Provinces*, Richard Buggs (Queen Mary College) on *The Evolution of Plants* and Luke Parry (University of Oxford) on *The Cambrian Explosion*. *Ireland's Geology* was the subject of the lecture from Michael Simms (National Museum, Northern Ireland) and the last lecture of the year was on the topic of *Extinction and the Dev-Carb Boundary* from John Marshal (University of Southampton).

We were able to go to Southeast Devon for a four-day field meeting, a year later than intended. This involved a traverse of the western end of the World Heritage Jurassic Coast from Exmouth to Seaton. The team of Carole Gregory and David Ward organized further field meetings to Barton on Sea, Faringdon, the Reading area, Tisbury. Our annual museum visit was to the Cole Museum in Biosciences at the University of Reading.

In September we had a wonderful week in Edinburgh with excellent weather, again postponed from 2020. Angus Miller led us to many of the classic geological sites in the region, the iconic Siccar Point amongst them.

RGS contributed again to the Festival of Geology with another YouTube presentation based on three of our long field meetings to France. It was hard work to produce but well received. Again, we didn't publish a Newsletter this year but circulated to members a more light-hearted version called **Chunters** edited by the chairman with contributions from members. This has proved very popular and along with the GA **Geology from your Sofa** and electronic versions of **Down to Earth**, we have endeavored to maintain good contact with our members.

Zoom has been a great asset for committee meetings and lectures, and after we return to on-site lectures in 2022, we plan to Zoom them as well. We circulate the lecture link to our members and Farnham GS and, from 2022, to Harrow and Hillingdon GS as well. Other societies are invited to email in for the link. Being able to reach larger audiences has increased our membership overall which is excellent for the society. We are hopeful that these new members will attend our field meetings too.



We are proud of our association with SchoolRocks! this initiative continues to grow within the GA. We are also proud of the outreach organized by our education liaison officer Alison Barraclough.

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 chair, with the support of Hilary Jensen as secretary, Roger York as treasurer along

with Roger Hurley, David Ward, Carole Gregory, Alison Barraclough and Geoff Marsden as committee members again proved a strong team.

SOUTH WALES GEOLOGISTS' ASSOCIATION
CYMDEITHAS Y DAEAREGWYR – GRWP DE CYMRU
www.swga.org.uk Registered charity number: 1054303

This report covers 2021, another unusual year with Covid-19 still with us and limiting our movements. However, we have run 6 field trips although our lecture programme has been on-line.

Holiday Geology was on-line with 62 members joining us on zoom. This was followed by 4 lectures: 23rd January: Tom Sharpe spoke on the subject of *Mary Anning, Monsters, myths and misfortune* (an audience of 88); 9 February: Graham Leslie spoke about *Recent advances in the understanding of the geology of Anglesey: a Caledonian cruise across Iapetus*. (audience of 83); 20th February: Pam Gill - *Coming out from the shadow of the dinosaurs; a new look at the first mammals*; 20 March: Peter Brabham, the guest speaker at our AGM, spoke on *The critical importance of a conceptual ground model – the challenges of Geology (Solid, Quaternary, Anthropogenic) in the C21st redevelopment of Barry Docks* (40).

The Autumn series of talks continued on zoom. 30th Oct: Tom Kapitany spoke to us from Australia: *Travels in Deep Time Geology* (51); 20th November Rachel Woods talked about the *Cambrian Explosion* (59) and on 11th December Andy Gale lectured on *Living in a Cretaceous greenhouse world* (58).

Field trips ran more or less as normal during the summer season, with all participants joining under the relevant Covid rules and restrictions. On 22 May Chris Lee led 24 members to Barry Island. On 19 June Alan Bowring led 18 members up Cribarth. 10 July Stephen Howe guided 15 of us along the foreshore at Porthcawl. 4 September Maurice Tucker showed 18 of us Geological features of Brown's Folly, Bathford and Tucking Mill and on 10 October, Gareth George took us to Broughton and Whiteford on the Gower.

We ran our Family Day for the public on Penarth Beach on the 14 August were visited by over 60 people. It was restricted to an afternoon event this year due to the tides. None of the other external events we normally attend took place but the parent GA did hold their Annual Festival of Geology in November, on line again this year.

The Committee met on 4 occasions, all via zoom. Despite its limitations, this is proving an easier option than travelling across South Wales on winter evenings and may well become the norm for the future. Once again, despite the continuing limitations of Covid-19, the Committee believes it has done its best to achieve the aims and objectives of the Group.



members of the SWGA examining exposure near Bath

WEST SUSSEX GEOLOGICAL SOCIETY

www.wsgs.org.uk

We currently have 80 members (including six honorary members), ranging from enthusiastic beginners to acknowledged experts. We produced our twice-yearly journal **Outcrop** and maintained our website. We have gained a few new members this year, even though all our talks were held on Zoom, and we recommenced field trips after the July 2021 relaxation of the Covid-19 rules

We continued to keep in contact with our members, sending out links to websites, talks and publications. Our members appreciated the GA's **Geology from your Sofa** and online talks. We commenced Zoom talks in the autumn, and now work closely to share these with the Horsham Geological Field Club, and them with us, so members of both groups get the benefit of twice the number of talks. We have found that online talks mean we see members who cannot easily get to meetings or fieldtrips, and we are planning to continue some online talks even when we can get back into the church hall in Worthing. While we used to distribute paper copies of **Outcrop**, we sent out the spring issue electronically, and now send out both paper and electronic copies.

Our Zoom talks were February: AGM and a talk on *Climping Beach* (John Lonergan); March: *The Sussex Geodiversity Partnership* (Peter Anderton); April: *Why are the Andes so high?* (Dr Laura Evenstar); May: *The Minerals of the Mourne Mountains* (Norman Moles); June: *Darwin's fossil mammals* (Dr Pip Brewer); September: *Scotland's Lost Meteorite* (Ken Amor); October: *The Boxgrove Wider Area Project* (Dr Matt Pope), and in November: *Lapis Lazuli* (Dr Chris Duffin). We also attended the GA's virtual Festival of Geology in November. We are still involved with the Worthing Heritage Association and will continue our displays in Worthing Museum, and we had a stall at the SMLS Rock and Mineral Show in November.

We moved to online committee meetings as soon as the first lockdown started, and have a full programme planned for 2022, albeit with the field trips in the first half of the year run by members, so these can be cancelled easily. Our planned weekend on the Isle of Wight for 2020 is postponed to 2022.

We found that our members were keen to meet up again and even with the very inclement weather on Highdown Hill we had over twenty people attending our first post Covid field trip in August. We then held a building stones walk in Tarring and West Worthing. Our AGM and talk in February 2022 will be our first face to face indoor meeting for nearly two years.



WSGS first field trip to Highdown Hill, in unseasonal weather

TREASURER'S REPORT and FINANCIAL STATEMENT

1st January to 31st December 2021

The Geologists' Association is registered as a charity in England and Wales, and constitutes a public benefit as defined by FRS 102. 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 1st January 2015.

The Geologists' Association (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 is applied, at the Trustees' discretion, 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	2021 Total	2020 Total
Total net assets	£548,885	£274,771	£1,602,442	£2,426,068	£2,233,650
Total income	£183,772	£40,193	£63,869	£287,834	£327,567
Total expenditure	£140,199	£47,716	£42,104	£230,019	£261,179

The principal sources of income are summarised on p5 and p6, and detailed on p11 and p12 of the accounts (below); the principal items of expenditure are summarised on p5 and p6, and detailed on p13 of the accounts. Donations and bequests received during 2021 are listed below.

The GA has an investment portfolio of around £2.078M, monitored by the Treasurer's investment panel, and by the Trustees. The objectives for 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.

During 2020, the Covid-19 pandemic had a significant negative effect on international financial stock markets. During 2021, the stock markets showed a remarkable recovery. Thus, the capital value of the GA's investment portfolio increased by almost 9% (4% higher than "pre-Covid" 2019), largely due to an increase in equity values. Total investment income was £62,452, a decrease of about 3% compared with 2020.

Principal financial risks and uncertainties: Income for the **General Fund** was threatened, particularly, on four fronts – the effects of a health pandemic (Covid-19), a decrease in membership subscriptions, and a decrease in income from the investments and from publications.

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!", and "Geology from your Sofa").

General Fund: overall, the General Fund managed a surplus of some £43,000. Total income and total expenditure both decreased (by about 10% and 20% respectively) reflecting the cancellation of field meetings. Income reductions include Geology To-day (about 10%). Investment income was similar to 2020. There was a near 50% increase in sales of Field Guides. Council, committee and lecture meetings were held via web conferencing communication which led to substantial cost savings (cost: £1,700 compared with £19,400 in 2019).

Rockwatch: funding depends on subscriptions, investment income and, particularly, donations from Equinor and Anglo-American. In 2021, income from subscriptions and investments remained robust, but Equinor were unable to provide a donation (£16,000 in 2020). Consequently, Rockwatch expenditure exceeded income by some £10,000. Income to support Rockwatch depends upon major donations from industry. Thus, the principal risk for Rockwatch is the loss of corporate support.

Earth Heritage Magazine (EH Fund): income depends on support from Natural England, Scottish

funds available to the respective organisations. Dividends from the Fund's investment portfolio make a significant contribution.

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. I am delighted to report that the General Fund "reserve" increased from £356,000 (2020) to £380,000 sufficient for over 2 years normal expenditure, the Rockwatch "reserve" of £160,000 equates to almost 4 years normal expenditure, the Earth Heritage Fund "reserve" of £32,000 represents about 8 years normal expenditure.

The General (some £43,000), and Earth Heritage Funds (some £1,500) showed a surplus (positive cash flow) for 2021; Rockwatch showed a negative cash flow (some £10,000); (p18 of the accounts provides details).

Publications: Royalties received for the PGA were £51,622 (2020: £41,813). Income from "Geology Today" (jointly owned with the Geological Society of London and publisher Wiley) was £11,500 (2020: £12,809). Sales of Geological Field Guides were £9,636 (2020: £6,540); Susan Marriott, our Field Guides editor, is preparing a number of Guides for publication.

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

The GA Magazine continued to provide a GA "news-sheet" for the membership, with more pages than ever during 2021. 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 the publishers for an excellent product.

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

Donations, 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 Bequests made during a donor's lifetime.)

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 £5,000 to 11 recipients and events (2020: £10,200 to 15 recipients); the reduced number of grants reflects fewer applications, perhaps due to covid-19 restrictions. In addition, the Curry Fund provided some £20,000 grants (2020 £22,000); the reduction represented prudent management, in line with the reduction in income to £24,000 (2020 £25,200).

The annual **Festival of Geology** is the GA's "flagship" event, usually held at University College, London. A remarkable number of people from all over the country, from many societies and institutions, contribute their time and expertise for zero cost; this constrains the cost of the event and enables its continuance. The 2021 event was a "virtual" event due to covid-19 restrictions. A particular advantage was that it enabled contributions from groups, and "attendance" by individuals, from distant locations.

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, Roger Lloyd, Graham Hickman). On a personal note, I thank Sarah Stafford and Geraldine Marshall in the GA office, Maurice Whiteley (the GA's accountant) and Ray Flack (from the GA's Auditor) 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, perhaps, continuation of the Covid-19 pandemic.

Events, during 2021, which enabled the GA to fulfill its public objectives included: Lectures, the Festival of Geology (London), a programme for our young geologists (Rockwatch), publications to further geological science (Proceedings of the Geologists' Association), Geo-conservation (Earth Heritage Magazine), education (School/Rocks!, 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.

Covid-19 / Coronavirus 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 Festival of Geology and the GA Student Symposium were held via web conferencing communication. The GA's conference was held live, with Covid restrictions in place; most of the outdoor field trips were cancelled, partly replaced by on-line workshops.

The world's stock markets continued their recovery during 2021. By end 2021 the GA's investment portfolio had increased by about 9% from end 2020; however, the income from the investments was reduced by about 3%.

The GA has sufficient resources to maintain its prime functions through 2022 and 2023; 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).

Early in 2022, the **Ukraine** situation, and its consequences, presented a possible new risk to the GA's investment portfolio, particularly its capital value. At present, any quantitative estimate of the effect is speculation. In the long term, business is likely to adjust to the new realities. 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. 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.

In summary : Overall, The GA's 2021 finances registered another satisfactory performance.

*Dr Graham M Williams,
Honorary Treasurer*

ANNUAL ACCOUNTS

The accounts for 2021 appear at the end of this report.

DONATIONS & LEGACIES

DONATIONS:

Elsevier	£2,000
AECOM Ltd	£1,000
Fugro Ltd	£1,000
J. Mortimore	£1,000
RSK Geosciences Ltd	£750
Southern Testing Ltd	£750
Structural Soils Ltd	£750
Atkins Ltd	£750
ChalkRock Ltd	£500
Geotechnical Consulting Gp LLP	£500
Shell plc	£125

ROCKWATCH FUND

Anglo-American	£16,500
F Diggon	£1,000

CURRY FUND

Stamford & District GS	£395
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BEQUESTS:

Anon via David Feldman SA £17,888

THE GEOLOGISTS ASSOCIATION
ANNUAL REPORT AND FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

THE GEOLOGISTS ASSOCIATION

LEGAL AND ADMINISTRATIVE INFORMATION

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 S Colville-Stewart	
	Dr L Gallagher	
	Mr N Pierpoint	
	Mr D Ward	
	Mr G Hickman	
	Mr P Jones	
	Ms A Barraclough	
	Dr V Banks	
	Professor T Dore	
	Ms J Wright	
	Mr D Cropp	(Appointed 7 May 2021)
	Mrs J Obsorn	(Appointed 7 May 2021)
	Mr R Wrigley	(Appointed 7 May 2021)
	Professor J Cosgrove	(Appointed 7 May 2021)
Charity number	233199	
Principal address	Burlington House	
	Piccadilly	
	London	
	W1J 0DU	
Auditor	Simpkins Edwards LLP	
	Michael House	
	Castle Street	
	Exeter	
	Devon	
Bankers	EX4 3LQ	
	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	

THE GEOLOGISTS ASSOCIATION

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THE GEOLOGISTS ASSOCIATION

STATEMENT OF TRUSTEES' RESPONSIBILITIES

FOR THE YEAR ENDED 31 DECEMBER 2021

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

Opinion

We have audited the financial statements of The Geologists Association (the 'charity') for the year ended 31 December 2021 which comprise the statement of financial activities, the balance sheet and the 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 FRS 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 2021 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.

THE GEOLOGISTS ASSOCIATION

INDEPENDENT AUDITOR'S REPORT (CONTINUED)

TO THE TRUSTEES OF THE GEOLOGISTS ASSOCIATION

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.

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

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 auditors' 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 LLP

6 April 2022

**Chartered Accountants
Statutory Auditor**

Michael House
Castle Street
Exeter
Devon
EX4 3LQ

Simpkins Edwards 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 2021

Current financial year

		Unrestricted funds 2021 £	Restricted funds 2021 £	Endowment funds 2021 £	Total 2021 £	Total 2020 £
	Notes					
Income from:						
Subscriptions, donations and legacies	3	62,039	34,408	18,678	115,125	126,470
Charitable activities	4	98,541	216	-	98,757	123,759
Other trading activities	5	11,500	-	-	11,500	12,809
Investments	6	11,692	5,569	45,191	62,452	64,529
Total income and endowments		183,772	40,193	63,869	287,834	327,567
Expenditure on:						
Charitable activities	7	136,564	47,716	42,104	226,384	257,839
Audit		3,635	-	-	3,635	3,340
Total resources expended		140,199	47,716	42,104	230,019	261,179
Net gains/(losses) on investments	10	12,079	19,485	103,039	134,603	(120,895)
Net incoming/(outgoing) resources before transfers		55,652	11,962	124,804	192,418	(54,507)
Gross transfers between funds		(1,000)	1,000	-	-	-
Net movement in funds		54,652	12,962	124,804	192,418	(54,507)
Fund balances at 1 January 2021		494,203	261,809	1,477,638	2,233,650	2,288,157
Fund balances at 31 December 2021		548,855	274,771	1,602,442	2,426,068	2,233,650

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 2021

Prior financial year (2020)

	Notes	Unrestricted funds 2020 £	Restricted funds 2020 £	Endowment funds 2020 £	Total 2020 £
Income from:					
Subscriptions, donations and legacies	3	58,440	59,272	8,758	126,470
Charitable activities	4	122,128	1,631	-	123,759
Other trading activities	5	12,809	-	-	12,809
Investments	6	11,924	5,808	46,797	64,529
Total income and endowments		205,301	66,711	55,555	327,567
Expenditure on:					
Charitable activities	7	166,886	47,375	43,578	257,839
Audit		3,340	-	-	3,340
Total resources expended		170,226	47,375	43,578	261,179
Net gains/(losses) on investments	10	3,226	(12,789)	(111,332)	(120,895)
Net incoming/(outgoing) resources before transfers		38,301	6,547	(99,355)	(54,507)
Gross transfers between funds		(11,000)	1,000	10,000	-
Net movement in funds		27,301	7,547	(89,355)	(54,507)
Fund balances at 1 January 2020		466,902	254,262	1,566,993	2,288,157
Fund balances at 31 December 2020		494,203	261,809	1,477,638	2,233,650

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 2021

	Notes	2021 £	£	2020 £	£
Fixed assets					
Tangible assets	11		740		925
Investments	12		2,077,805		1,908,748
			<u>2,078,545</u>		<u>1,909,673</u>
Current assets					
Stocks	13	41,009		35,723	
Debtors	14	63,111		56,651	
Cash at bank and in hand		341,511		341,880	
		<u>445,631</u>		<u>434,254</u>	
Creditors: amounts falling due within one year	15	(98,108)		(110,277)	
Net current assets			<u>347,523</u>		<u>323,977</u>
Total assets less current liabilities			<u>2,426,068</u>		<u>2,233,650</u>
Capital funds					
<u>Endowment funds - general</u>					
Permanent endowment		855,544		780,029	
Expendable endowment		<u>746,898</u>		<u>697,609</u>	
	16		1,602,442		1,477,638
Income funds					
Restricted funds	17		274,771		261,809
Unrestricted funds			<u>548,855</u>		<u>494,203</u>
			<u>2,426,068</u>		<u>2,233,650</u>

The financial statements were approved by the Trustees on 17 March 2022

Dr G M Williams
Trustee

Dr V Banks
Trustee

THE GEOLOGISTS ASSOCIATION

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEAR ENDED 31 DECEMBER 2021

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'.

THE GEOLOGISTS ASSOCIATION

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 31 DECEMBER 2021

1 Accounting policies

(Continued)

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

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).

THE GEOLOGISTS ASSOCIATION

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 31 DECEMBER 2021

1 Accounting policies

(Continued)

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.

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.

THE GEOLOGISTS ASSOCIATION

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 31 DECEMBER 2021

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.

3 Subscriptions, donations and legacies

	Unrestricted funds	Restricted funds	Endowment funds	Total	Total
	2021 £	2021 £	2021 £	2021 £	2020 £
Donations, bequests and sponsorship	6,875	22,417	18,678	47,970	54,914
Annual subscriptions	49,121	8,271	-	57,392	61,343
Gift Aid	6,043	3,720	-	9,763	10,213
	<u>62,039</u>	<u>34,408</u>	<u>18,678</u>	<u>115,125</u>	<u>126,470</u>
For the year ended 31 December 2020	<u>58,440</u>	<u>59,272</u>	<u>8,758</u>		<u>126,470</u>

4 Charitable activities

	Charitable Income 2021 £	Charitable Income 2020 £
Sales of publications	79,825	81,208
Group payments for insurance	10,129	9,149
Field meetings	2,243	32,446
Miscellaneous income	6,560	956
	<u>98,757</u>	<u>123,759</u>
Analysis by fund		
Unrestricted funds	98,541	122,128
Restricted funds	216	1,631
	<u>98,757</u>	<u>123,759</u>

THE GEOLOGISTS ASSOCIATION

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 31 DECEMBER 2021

5 Other trading activities

	Unrestricted funds	Unrestricted funds
	2021 £	2020 £
'Geology Today' profit share	11,500	12,809

6 Investments

	Unrestricted funds	Restricted funds	Endowment funds	Total
	2021 £	2021 £	2021 £	2021 £
Investment income	11,692	5,569	45,191	62,452

	Unrestricted funds	Restricted funds	Endowment funds	Total
	2020 £	2020 £	2020 £	2020 £
Investment income	11,924	5,808	46,797	64,529

THE GEOLOGISTS ASSOCIATION

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 31 DECEMBER 2021

7 Charitable activities

	Charitable Expenditure 2021 £	Charitable Expenditure 2020 £
Depreciation and impairment	185	231
Publications printing and production costs	61,188	59,552
Publications office costs	16,990	17,511
Grants, awards and subvention	39,328	37,779
Salaries	65,021	63,862
Officers' expenses	607	1,038
Office expenses	22,511	25,892
Charged to Publications	(16,990)	(17,511)
Curry Fund contribution	(3,188)	(3,188)
Rockwatch contribution	(10,371)	(10,301)
Administrative expenses of Rockwatch	21,807	18,308
Meetings and functions	1,718	5,457
GA Annual Conference	397	190
Stationery and printing	2,032	1,065
Accountancy	2,300	2,760
Insurance	12,275	11,286
Bank charges	1,411	850
Miscellaneous	1,554	1,874
Field Meetings	926	30,704
Website	6,683	10,480
	<u>226,384</u>	<u>257,839</u>
Analysis by fund		
Unrestricted funds	136,564	166,886
Restricted funds	47,716	47,375
Endowment funds - general	42,104	43,578
	<u>226,384</u>	<u>257,839</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 2 staff in administration (2020: 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 2021, officers' expenses reimbursed totalled £607 (2020: £1,038).

THE GEOLOGISTS ASSOCIATION

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 31 DECEMBER 2021

10 Net gains/(losses) on investments

	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>
	Unrestricted funds	Restricted funds	Endowment funds	Total
	2020 £	2020 £	2020 £	2020 £
Gain/(loss) on sale of investments	3,226	(12,789)	(111,332)	(120,895)
	<u>3,226</u>	<u>(12,789)</u>	<u>(111,332)</u>	<u>(120,895)</u>

11 Tangible fixed assets

	Fixtures and fittings £
Cost	
At 1 January 2021	33,809
At 31 December 2021	<u>33,809</u>
Depreciation and impairment	
At 1 January 2021	32,884
Depreciation charged in the year	185
At 31 December 2021	<u>33,069</u>
Carrying amount	
At 31 December 2021	<u>740</u>
At 31 December 2020	<u>925</u>

THE GEOLOGISTS ASSOCIATION

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 31 DECEMBER 2021

12 Fixed asset investments

	Listed investments £
Cost or valuation	
At 1 January 2021	1,908,748
Additions	44,084
Realised profits/(losses) on investments	400
Unrealised profits/(losses) on investments	134,203
Disposals	(9,630)
	<hr/>
At 31 December 2021	2,077,805
	<hr/>
Carrying amount	
At 31 December 2021	2,077,805
	<hr/>
At 31 December 2020	1,908,748
	<hr/>

13 Stocks

	2021 £	2020 £
Stock of guide books	41,009	35,723
	<hr/>	<hr/>

14 Debtors

	2021 £	2020 £
Amounts falling due within one year:		
Trade debtors	54,583	50,850
Other debtors	8,528	5,801
	<hr/>	<hr/>
	63,111	56,651
	<hr/>	<hr/>

THE GEOLOGISTS ASSOCIATION

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 31 DECEMBER 2021

15 Creditors: amounts falling due within one year

	2021 £	2020 £
Payments received on account	32,291	33,487
Trade creditors	35,653	47,506
Other creditors	30,164	29,284
	<u>98,108</u>	<u>110,277</u>

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	Incoming resources	Resources expended	Transfers	Movement in funds Revaluations gains and losses	Balance at 31 December 2021
	£	£	£	£	£	£
Permanent endowments						
Curry Fund:						
Capital Fund	780,029	-	-	-	75,515	855,544
Expendable endowments						
Curry Fund:						
Income Fund	52,345	23,968	(23,702)	-	-	52,611
Endowment Trust Funds	362,922	29,832	(6,550)	-	19,338	405,542
General Endowment Funds	282,342	10,069	(11,852)	-	8,186	288,745
	<u>1,477,638</u>	<u>63,869</u>	<u>(42,104)</u>	<u>-</u>	<u>103,039</u>	<u>1,602,442</u>

THE GEOLOGISTS ASSOCIATION

NOTES TO THE FINANCIAL STATEMENTS (CONTINUED)

FOR THE YEAR ENDED 31 DECEMBER 2021

16 Endowment funds

(Continued)

	Movement in funds					
	Balance at 1 January 2020	Incoming resources	Resources expended	Transfers	Revaluations gains and losses	Balance carried forward
	£	£	£	£	£	£
Permanent endowments						
Curry Fund:						
Capital Fund	841,828	-	-	-	(61,799)	780,029
Expendable endowments						
Curry Fund:						
Income Fund	52,877	25,248	(25,780)	-	-	52,345
Endowment Trust Funds	382,357	14,847	(8,758)	10,000	(35,524)	362,922
General Endowment Funds	289,931	15,460	(9,040)	-	(14,009)	282,342
	<u>1,566,993</u>	<u>55,555</u>	<u>(43,578)</u>	<u>10,000</u>	<u>(111,332)</u>	<u>1,477,638</u>

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 2021

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 2021	Incoming resources	Movement in funds			Balance at 31 December 2021
	£	£	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>

	Balance at 1 January 2020	Incoming resources	Movement in funds			Balance carried forward
	£	£	Resources expended	Transfers	Revaluations, gains and losses	£
Rockwatch	227,337	52,387	(43,010)	-	(10,528)	226,186
Earth Heritage Fund	26,925	9,324	(3,890)	1,000	(2,261)	31,098
Champion Fund	-	5,000	(475)	-	-	4,525
	<u>254,262</u>	<u>66,711</u>	<u>(47,375)</u>	<u>1,000</u>	<u>(12,789)</u>	<u>261,809</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 2021

18 Analysis of net assets between funds

	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>
	Unrestricted funds 2020 £	Restricted funds 2020 £	Endowment funds 2020 £	Total 2020 £
Fund balances at 31 December 2020 are represented by:				
Tangible assets	925	-	-	925
Investments	356,028	168,158	1,384,562	1,908,748
Current assets/(liabilities)	137,250	93,651	93,076	323,977
	<u>494,203</u>	<u>261,809</u>	<u>1,477,638</u>	<u>2,233,650</u>

19 Related party transactions

There were no disclosable related party transactions during the year (2020 - none).

THE GEOLOGISTS ASSOCIATION

THE CURRY FUND

STATEMENT OF FINANCIAL ACTIVITIES

FOR THE YEAR ENDED 31 DECEMBER 2021

	Restricted income fund £	Endowment capital fund £	Total 2021 £	Total 2020 £
<u>Incoming resources</u>				
Investment income:				
Income received from investments	23,169	-	23,169	25,100
Charities Deposit	6	-	6	124
Barclays Bank	3	-	3	24
Miscellaneous income	790	-	790	-
Total incoming resources	23,968	-	23,968	25,248
<u>Resources expended</u>				
Charitable expenditure:				
Grants- paid and committed	13,161	-	13,161	17,133
MSc Prize	2,000	-	2,000	2,000
Towards the printing of The Geologists' Association's Guides	4,890	-	4,890	2,977
Office administration	3,188	-	3,188	3,188
Officer expenses	-	-	-	49
Accountancy	420	-	420	360
Meeting expenses	-	-	-	-
Sundry	43	-	43	73
Total resources expended	23,702	-	23,702	25,780
Net incoming resources	266	-	266	(532)
Other recognised gains/(losses)	-	75,515	75,515	(61,799)
Net movement of funds	266	75,515	75,781	(62,331)
Total fund brought forward	52,345	780,029	832,374	894,705
Total funds carried forward	52,611	855,544	908,155	832,374

THE GEOLOGISTS ASSOCIATION

THE CURRY FUND

BALANCE SHEET

AS AT 31 DECEMBER 2021

	2021		2020	
	£	£	£	£
Investments				
Schroders Charities:				
The Charity Equity Fund A Income Units	418,293		333,612	
The Income Trust for Charities A Income Units	269,612		288,698	
Black Rock Charinco Income Units	1,166		1,250	
Artemis Income Retail Income Units	32,510		28,929	
City of London Investment Trust 25p ord. shares	45,478		42,735	
Invesco Perpetual Corporate Bond Class Y	19,971		20,775	
Murray Income Trust plc 25p ord. shares	27,698		24,945	
Murray International Trust 25p ord. shares	3,783		3,682	
Royal London AM Corporate Bond Trust	11,318		11,606	
Royal London AM Sterling Extra Yield Bond	13,532		13,308	
Temple Bar Investment Trust 25p ord. shares	12,155		10,461	
		855,516		780,001
Current assets				
Tax repayable	864		864	
Charities Deposit Fund	47,307		47,301	
Barclays Community Account	5,000		4,450	
Barclays Business Saver Account	27,201		26,522	
HLAM Ltd Income Account	1,326		1,355	
Loans outstanding	3,360		3,360	
Sundry debtor	250		250	
	85,308		84,102	
Current liabilities				
Creditors and accruals	420		360	
Grants committed	30,164		29,284	
Due to The Geologists' Association	2,085		2,085	
	32,669		31,729	
Net current assets		52,639		52,373
Total assets less current liabilities		908,155		832,374
Restricted funds				
Capital fund		855,544		780,029
Income fund		52,611		52,345
		908,155		832,374

THE GEOLOGISTS ASSOCIATION

PUBLICATIONS ACCOUNT

FOR THE YEAR ENDED 31 DECEMBER 2021

	2021 £	2020 £
Proceedings		
<u>Income:</u>		
Elsevier payment	69,049	74,318
<u>Expenditure:</u>		
Printing and production costs	22,752	23,841
Proportion of office costs (15% of £16,990)	2,548	2,627
Total resources expended	25,300	26,468
Net surplus on proceedings	43,749	47,850
Guides		
<u>Income:</u>		
Sales	9,636	6,540
Total income	9,636	6,540
<u>Expenditure:</u>		
Opening stock	35,723	39,500
Printing and production costs	12,537	1,530
Proportion of office costs (60% of £16,990)	10,194	10,506
Less: Closing stock	(41,009)	(35,723)
Total resources expended	17,445	15,813
Net cost/surplus on Guides	(7,809)	(9,273)
Circulars and Magazines		
<u>Income:</u>		
Advertising revenue	1,140	350
<u>Expenditure:</u>		
Printing, production and distribution costs	11,814	11,468
Proportion of office costs (25% of £16,990)	4,248	4,378
Total resources expended	16,062	15,846
Net cost of Circulars	(14,922)	(15,496)
Net cost/surplus of Publications	21,018	23,081

THE GEOLOGISTS' ASSOCIATION
DETAILED SCHEDULE OF INVESTMENTS HELD BY ASSOCIATION
YEAR ENDED 31 DECEMBER 2021

Holding	Cost	Market Value		Increase/ decrease in value in year	
		2021	2020		
GENERAL FUND					
5,056.87	COIF Charities Investment Fund Income Units	10,083	104,001	91,081	12,920
14,540.27	COIF Charities Fixed Interest Fund Inc. Units	18,850	19,312	20,673 -	1,361
56,550.08	COIF Charities Fixed Interest Fund Inc. Units	75,000	75,109	80,402 -	5,293
2,546.11	Black Rock Fund Managers Charinco Inc. Units	2,952	4,677	5,016 -	339
27,143.18	Invesco Perpetual Distribution Fund Income Shares	16,000	17,461	16,660	801
26,717.55	Invesco Perpetual Monthly Inc.Plus.Inc.Units	29,381	28,462	28,465 -	3
41,597.77	Invesco Perpetual Corporate Bond Income Units	35,011	38,316	39,600 -	1,284
3,766.00	Murray Income Trust plc 25p Ord. Shares	26,995	34,666	31,220	3,446
773.00	Murray International Trust plc 25p Ord Shares	7,995	8,944	8,704	240
6,291.29	Royal London Corporate Bond Trust Class A Inc.Units	6,000	6,423	6,593 -	170
26,594.18	HL Multi-Manager Income and Growth Trust Inc Units	26,982	25,868	22,983	2,885
6,366.18	Artemis High Income Fund Class R Q Dist	5,000	4,652	4,631	21
Purchased in 2021					
159.00	RIT Capital Partners plc £1 Ord. shares	3,993	4,364	-	371
347.00	Murray International Trust plc 25p Ord Shares	3,999	4,015	-	16
8,442.38	Legal & General High Income Incl Class R Income	4,000	3,829	- -	171
		272,241	380,099	356,028	12,079
FOULERTON AWARD					
634.96	Black Rock Fund Managers Charinco Inc. Units	900	1,166	1,250 -	84
211.92	COIF Charities Investment Fund Income Units	2,000	4,358	3,816	542
1,233.00	City of London Investment Trust 25p Ord. Shares	3,000	4,855	4,562	293
9,549.28	Artemis High Income Fund Class R Q Dist	7,500	6,979	6,946	33
		13,400	17,358	16,574	784
HENRY STOPES MEMORIAL FUND					
658.10	Black Rock Fund Managers Charinco Inc. Units	1,054	1,208	1,296 -	88
3,183.09	Artemis High Income Fund Class R Q Dist	2,500	2,326	2,315	11
		3,554	3,534	3,611 -	77
G W YOUNG FUND					
863.25	Black Rock Fund Managers Charinco Inc. Units	1,492	1,585	1,700 -	115
1,006.00	Edinburgh Investment Trust 25p Ord. Shares	6,754	6,322	5,472	850
1,556.00	HICL Infrastructure Company Ltd 0.01p Ord. Shares	2,373	2,747	2,691	56
641.00	Murray International Investment Trust plc 25p Ord.	6,599	7,416	7,217	199
505.00	Temple Bar Investment Trust plc 25p Ord. Shares	6,086	5,600	4,820	780
		23,304	23,670	21,900	1,770
BAKER-ARBER FUND					
438.95	COIF Charities Investment Fund Income Units	2,000	9,027	7,906	1,121
529.79	COIF Charities Investment Fund Income Units	5,000	10,895	9,542	1,353
		7,000	19,922	17,448	2,474
HALSTEAD FUND					
3,856.83	COIF Charities Investment Fund Income Units	5,000	5,122	5,483 -	361
6,366.18	Artemis High Income Fund Class R Q Dist	5,000	4,652	4,631	21
		10,000	9,774	10,114 -	340
RICHARDSON FUND					
3,856.83	COIF Charities Fixed Interest Fund Income Units	5,000	5,122	5,483 -	361
748.00	City of London Investment Trust 25p Ord. Shares	2,499	2,945	2,768	177
5,417.12	Legal & General High Income Incl Class R Income	2,500	2,457	2,568 -	111
130.00	RIT Capital Partners plc £1 Ord. shares	2,492	3,569	2,678	891

Holding	Cost	Market Value		decrease in value in year
		2021	2020	
2,482.62 Royal London Corporate Bond Trust Incl Class A Inc	2,500	2,535	2,602 -	67
	14,991	16,628	16,099	529
MIDDLEMISS FUND				
4,088.24 Invesco Perpetual Income Fund Acc. Shares	3,400		5,816	-
- 4,088.24 Sold for £6,091 in 2021	- 3,400			
3,918.38 Invesco Perpetual Income Fund Inc. Shares	3,400		3,414	-
- 3,918.38 Sold for £3,539 in 2021	- 3,400			
20,696.58 M&G Investments Corporate Bond Fund A Shares	6,800	8,394	8,800 -	406
Purchased in 2021				
6,485.72 Artemis High Income Class R Inc Units	4,815	4,740	- -	75
10,229.45 Legal & General High Income Incl Class R Income	4,815	4,640	- -	175
	16,430	17,774	18,030 -	656
JAPEC FUND				
1,220.23 COIF Charities Investment Fund Income Units	11,670	25,095	21,978	3,117
2,972.00 Temple Bar Investment Trust plc 25p Ord. Shares	21,659	35,158	28,367	6,791
15,353.00 Treasury 4 1/4% Stock 2032	15,001	20,290	22,142 -	1,852
8,015.15 HL Multi-Manager Income and Growth Trust Inc Units	7,864	7,802	6,927	875
7,997.09 Royal London Corporate Bond Trust Income Units	8,795	8,855	10,284 -	1,429
3,184.71 Marlborough Multi Cap Income - Inclusive Class A	5,250	5,193	4,364	829
	70,239	102,393	94,062	8,331
WYLEY FUND				
21,396.67 Artemis High Income Inclusive Class R Income	16,137	15,637	15,564	73
926.00 BP Plc US\$0.25 Ordinary Shares	5,810	3,060	2,365	695
585.00 GlaxoSmithKline plc 25p Ordinary Shares	7,947	9,399	7,851	1,548
3,704.00 HICL - HSBC Infrastructure Co Ltd 0.01p Ord. Shrs	4,259	6,541	6,407	134
11,078.15 HL Multi-Manager Income and Growth Trust Inc Units	11,215	10,776	9,574	1,202
21,194.64 Invesco Perpetual Distribution Fund Income Shares	13,602	13,635	13,009	626
16,904.02 Legal & General High Income Incl Class R Income	8,068	7,668	8,013 -	345
695.00 The Mercantile Inv Trust 25p Ordinary Shares	6,988	18,660	17,166	1,494
2,805.00 Murray Income Trust plc 25p Ordinary Shares	12,516	25,820	23,253	2,567
1,945.00 Murray International Trust plc 25p Ord. Shares	12,739	22,503	21,900	603
56.00 NatWest Group (RBS) 25p Ordinary Shares	2,349	126	93	33
585.00 Royal Dutch Shell Plc "B" Ordinary Shares	12,431	9,491	7,359	2,132
13,617.63 Royal London Corporate Bond Trust Income Units	14,678	17,077	17,280 -	203
3,703.00 Schroder Asia Pacific Inv Trust Units	6,646	21,847	22,625 -	778
463.00 Standard Chartered US\$0.50 Ordinary Shares	8,343	2,076	2,157 -	81
4,630.00 Standard Chartered 8 1/4% Non-Cum Invest Pref Shares of £1	5,660	6,824	6,306	518
8,594.39 Treasury 4 1/4% Stock 2032	8,328	11,358	12,395 -	1,037
25,061.54 Treasury 4 1/4% Stock 2036	24,535	35,412	38,823 -	3,411
	182,251	237,910	232,140	5,770
TUPPER FUND				
4,424.78 Artemis Income Fund Class R Dist	7,350	10,064	9,062	1,002
5,963.00 City of London Investment Trust 25p Ord. Shares	12,498	23,479	22,063	1,416
17,746.35 Invesco Perpetual Corp Bond Income Units	12,500	16,346	17,003 -	657
1,255.86 Invesco Perpetual Income Income Units	12,500	16,555	14,743	1,812
28,276.72 Jupiter Corporate Bond Income Units	12,500	17,947	18,558 -	611
816.00 Temple Bar Investment Trust plc 25p Ord. Shares	7,349	9,049	7,789	1,260
	64,697	93,440	89,218	4,222
CALLOMON PORTER FUND				
2,009.60 Artemis Income Fund Class R Dist	3,333	4,571	4,116	455
2,354.00 City of London Investment Trust 25p Ord. Shares	8,328	9,269	8,710	559
10,181.04 Invesco Perpetual Distribution Fund Income Shares	5,833	6,549	6,249	300
4,338.21 Invesco Perpetual Monthly Income plus Class Y InUn	8,400	8,710	8,505	205

Holding	Cost	Market Value 2021	2020	decrease in value in year	
4,162.08	Marlborough Multi Cap Income - Inclusive Class A	6,500	6,574	5,677	897
4,893.33	Invesco Monthly Income Plus Inclusive - Income	5,000	5,213	5,213	-
		37,394	40,886	38,470	2,416
CURRY FUND					
Shroder Charities					
94,722.25	The Charity Equity Fund A Income Units	-	418,293	333,612	84,681
401,806.34	The Income Trust for Charities A Income Units	-	269,612	288,698	19,086
634.86	Black Rock Charinco Income Units	-	1,166	1,250	84
14,293.98	Artemis Income Fund Class R Dist	24,250	32,510	28,929	3,581
11,550.00	City of London Investment Trust 25p Ord. Shares	36,741	45,478	42,735	2,743
3,009.00	Murray Income Trust plc 25p Ord. Shares	19,743	27,698	24,945	2,753
327.00	Murray International Trust plc 25p Ord. shares	3,749	3,783	3,682	101
9,025.27	Royal London Corporate Bond Trust M Income Units	10,000	11,318	11,606	288
11,774.90	Royal London Sterling Extra Yield Bond Income Units	13,750	13,532	13,308	224
1,096.00	Temple Bar Investment Trust 25p Ord. Shares	13,740	12,155	10,461	1,694
9,687.03	Invesco Perpetual Corporate Bond Class Y - Income	19,318	19,971	20,775	804
		141,291	855,516	780,001	75,515
ROCKWATCH					
8,701.86	Artemis Income Fund Class R Dist	15,000	19,791	17,822	1,969
26,402.48	HL Multi-Manager Income & Growth Trust Inc Units	22,500	25,682	22,458	3,224
18,159.11	Invesco Perpetual Corporate Bond Income Units	15,000	16,726	17,398	672
25,827.10	Invesco Perpetual Distribution Fund Income Shares	15,000	16,615	15,853	762
3,445.74	Artemis Income Fund Class I Dist	7,500	8,801	7,866	935
3,806.54	Invesco Perpetual Distribution Class Y -Income	7,500	7,949	7,526	423
3,842.61	Invesco Perpetual Corporate Bond Class Y Income	7,500	7,922	8,241	319
9,736.22	Marlborough Multi Cap Income - Inclusive Class A	15,000	15,379	13,280	2,099
407.00	Murray International Trust plc 25p Ord. shares	4,989	4,989	4,583	406
779.00	RIT Capital Partners plc £1 Ord. shares	14,978	21,384	16,047	5,337
12,774.19	Royal London Sterling Extra Yield Inclusive Class B	15,000	14,680	14,437	243
		139,967	159,918	145,511	14,407
UKOGL					
7,192.17	Artemis High Income Fund Class I Q Dist	6,250	5,766	5,703	63
1,607.00	City of London Investment Trust 25p Ord. shares	6,250	6,328	5,946	382
5,899.51	Royal London Corporate Bond Trust Income Units	6,490	7,398	7,564	166
496.00	Temple Bar Investment Trust plc 25p Ord. shares	6,241	5,501	4,734	767
		25,231	24,993	23,947	1,046
EARTH HERITAGE FUND					
4,469.42	Marlborough Multi Cap Income - Inclusive Class A	7,000	7,060	6,096	964
557.00	Murray International Trust plc 25p Ord. shares	6,999	6,444	6,272	172
499.00	RIT Capital Partners plc £1 Ord. shares	10,238	13,698	10,279	3,419
Purchased in 2021					
201.00	RIT Capital Partners plc £1 Ord. shares	4,994	5,517	-	523
		29,231	32,719	22,647	5,078
PALAEONTOLOGICAL FUND					
15,501.00	Artemis High Income Class R Inc Units	11,000	11,328	11,275	53
3,155.00	City of London Investment Trust 25p Ord. shares	10,991	12,422	11,673	749
Purchased in 2021					
20,381.34	Legal & General High Income Incl Class R Income	9,500	9,245	-	255
350.00	Murray International Trust plc 25p Ord. shares	3,987	4,049	-	62
154.00	RIT Capital Partners plc £1 Ord. shares	3,981	4,227	-	246

Holding	Cost	Market Value		decrease in value in year
		2021	2020	
	39,459	41,271	22,948	855
Grand Totals	1,090,680	2,077,805	1,908,748	134,203
GA - General	272,241	380,099	356,028	12,079
Trust Funds	677,148	842,190	772,719	46,609
Curry Fund	not known	855,516	780,001	75,515
	949,389	2,077,805	1,908,748	134,203

THE GEOLOGISTS' ASSOCIATION ANNUAL GENERAL MEETING

To be conducted in person and via Zoom on Friday 6 May 2022 at 6 pm

The Annual Report 2021 will be available in April when it will be emailed to Members. If you would like a paper copy please contact Sarah, email: admin@geologistsassociation.org.uk or phone 020 7434 9298 and leave a message.

AGENDA

1. Minutes of the 2021 AGM
2. Introduction of Annual Report and Accounts for 2021
3. Introduction of proposed Officers for 2022/23
4. Introduction of proposed Council Members for 2022/23
- Voting approval of 2, 3 and 4
5. Expression of thanks of the Association to retiring Council Members

**Awards will be presented to winners in person if present, otherwise later in the year.
All will be announced:**

6. Winner of the Foulerton Award: Prof Michael Benton
7. Winner of the Halstead Medal: Prof Cynthia Burek
8. Winner of the Halstead Award: Dr Dean Lomax
9. Winners of the Richardson Award: Dr B. M. Besley & Dr Christopher Cleal
10. Winner of Special Award: Prof Murray Gray
11. Winner of the Curry MSc Award
12. Winner of Curry Fund Award for Excellence
13. Winners of Research Awards
14. Honorary and Long-serving members
15. Winner of the President's Medal: Dr Liam Gallagher

Presidential Address for 2022

Dr Vanessa Banks: Defining catchments in karst environments.