



THE GEOLOGISTS' ASSOCIATION
ANNUAL REPORT
AND FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2020



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REPORT FROM TRUSTEES

for year ended 31st December 2020

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 16 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 2020:

- 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 Annual Conference, GA Student Symposium and most of the Field Meetings were cancelled due to Covid-19 restrictions.
- Festival of Geology: held on-line, 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. A new initiative, "*Geology from your Sofa*" (GFYS) provided lectures, geological courses, virtual field trips, 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.

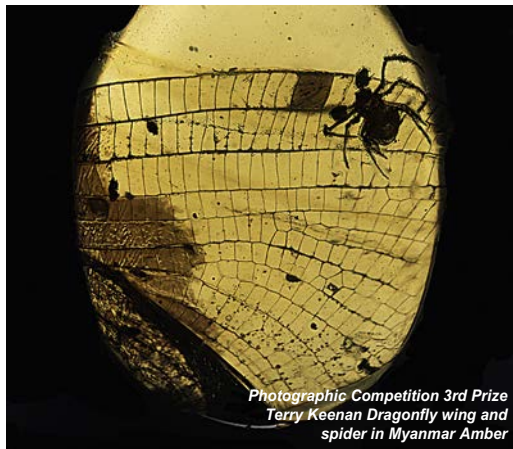
The Geologists' Association is an unincorporated association governed by a set of rules from a scheme at the Charity Commission dated 18th January 1967 as amended 06th July 2018. The management of the Association is vested in a Council normally consisting of 24 members which includes the following Officers: 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.

REPORT FROM TRUSTEES

for year ended 31st December 2020

The Covid-19 Coronavirus dominated the GA's activities during 2020. The office in Burlington House was the first casualty with the Executive Secretary, Sarah Stafford and the Administrative Assistant, Geraldine Marshall having to work from home. In the event Sarah has been able to cycle to Piccadilly from time to time to collect post and to attend to other business that could only be conducted from the Office.

After much telephone conference-calling it was decided that the AGM business could be conducted by email and post; the President's talk was postponed until October, and at that point no decision had been made on how to distribute the Awards. We received approximately the same number of voting responses as we usually have with members present at Burlington House, and the results were conveyed to members of Council at a conference-call AGM on 1 May. The votes were unanimous in accepting the Annual Report & Accounts, the proposed Officers and the rest of the Council. Details of the Award winners were sent out with the Annual Report and it was later decided to deliver the Awards in person, usually at a geological location near the recipient. At the first of these occasions the badge of office of President was handed over from Nicholas Pierpoint to our new President, Dr Vanessa Banks. Vanessa works for the British Geological Survey as a research scientist (hydrogeology), and is currently the Head of Shallow



*Photographic Competition 3rd Prize
Terry Keenan Dragonfly wing and
spider in Myanmar Amber*

Geohazards in the Multihazard and Resilience Challenge area and we are delighted to welcome her. She could not have taken up her Presidency at a worse time than at the beginning of a pandemic! As Senior Vice President, Nick has remained in close contact, supporting arrangements for up-coming events. We welcomed three new members to Council: Peter Jones who had previously been co-opted to help with the 2019 GA Conference; Janet Wright who had already been helping with the website and Tony Doré who was a familiar face to some for his help with Rockwatch. The retiring Members were thanked by Nick: John Cosgrove and Nikki Edwards, Sara Osman and Susan Marriott (co-opted Member).

Our talks in Burlington House were another early casualty of Covid-19. The April and May talks were cancelled, but by June we had become accustomed to using Zoom and our first talk was delivered by our Halstead Award winner in 2019, Kevin Wong. One advantage of Zoom talks is that we could involve speakers from overseas and so welcomed Jon Noad, a GA Member who now lives in Canada, to step in and talk to us. Nick gave the Presidential Address in October as planned, but by Zoom, and of course we were unable to hold our Annual Dinner. We thank our Meetings Secretary, Michael Oates, for retrieving what he could of our 2020 talks and rescheduling others where this was not possible. Council made the decision to make our Zoom talks available to all until we are able to meet again physically in Burlington House. Members received the log-in automatically and it was sent to others who wished to join; normally it is only GA members who are sent the link for our live-streamed talks.

Field trips fared rather worse. The Turkish trip, scheduled for April, has had to be postponed until 2022. Instead, the leaders sent a brilliant daily briefing to those who had signed up. The Madrid Museum trip was also postponed. The UK field trips were equally blighted and were postponed until 2021. Only Emma Jude's Geology & Art Field Sketching was able to take place via a Zoom Workshop and was so popular



*Nick Pierpoint hands over the
Badge of Office of President to
Vanessa Banks, Thorndon Country
Park 29 June 2020.*

she was asked to repeat it. Many thanks to Ian Sutton and Graham Hickman for what must have been a very frustrating year.

The GA is fortunate in having two Members of Council who were very proactive in jumping into the breach to provide geological interest for our members while face-to-face meetings were impossible. Alison Barraclough, who is our Education Postholder, worked with Janet Wright, who was not officially elected a member of Council until May, but was already helping with our website content. Together they assembled a number of virtual items of geological interest which they called *Geology from your Sofa* (GFYS). The first instalment was added to the GA website on 10 April, very early on in the pandemic. They have been updating every fortnight since, sometimes with material sent in by Members, some



through their own research, and Members and groups have been notified of the content via email. Many of our Local Groups and Affiliated Societies circulate the details to their members, and it has been a real life-saver for many who have wanted to keep their geological interests alive. The monthly statistics show that just over fifty percent of recipients open their emails and an increasing number click through to the GFYS webpage. Visits to the webpage regularly exceed click-through rates, therefore the GFYS audience continues to grow. A very big thank-you to both Alison and Janet for this very valuable initiative for keeping geology 'alive'. It has enabled the GA to take the lead in this area, to the benefit of the public. The website has been a key role in our communication with the public. Janet has done an excellent job in making many aspects of the website more attractive and we thank her and our webmaster, Barbara Silva for all the extra work entailed during 2020. It has been particularly important as our usual outreach events of display stands at events have all had to be cancelled although our President, Vanessa Banks, prepared a video about the GA for the Lyme Regis Festival. Social Media has also played an important part in advertising events and GFYS, and we thank Tom Phillips and John Cooper for their input.

Even before England went into Lockdown for the first time it became clear that the GA Student Symposium (GASS) would not be able to take place on 15 May. Instead, the talks of the three prize-winners from 2019 and the key address from Professor Iain Stewart were posted on a YouTube channel and available to watch via the GA website. The 2020 symposium was cancelled completely and a date booked for 2021. Thanks go to the GASS committee and in particular to Rebecca Bell who stepped down from Council in June because she was pregnant. She hopes to rejoin the GASS committee in 2022. Our Student Rep. Tom Phillips remains involved but is no longer a student, so the role of Student Rep. was taken up by David Pederos Bastidas from Imperial College, recommended by Rebecca. The GA Annual Conference had been planned to take place in Edinburgh and the venues and programme were well advanced before the pandemic hit. The decision was made in conjunction with our colleagues in Edinburgh to postpone. Many thanks to Bob Gatcliffe and his team for putting together such an exciting programme, which we look forward to enjoying in October 2021.

The Virtual Festival of Geology on Saturday 7 November was one of the big successes of the year and remained the main focus of our public benefit programme despite the fact that we were not able to meet physically in University College London (UCL). We were fortunate in being able to draw on the expertise of two outsiders: Kevin Perry was able to give us technical advice from the moment the decision was made to provide a virtual Festival, and Amy Edgington, who runs the Geobus at UCL and came up with many inspirational ideas. It was she who sketched the portico of UCL for our Home Page and the iconic boot for our publicity. She was also instrumental in putting together activities for the Discovery Room. Our Local Groups and Affiliated Societies were very innovative with their offers and Gerald Lucy organised the traders, increasing the variety of what was on offer to purchase. He also had the idea of setting them all out as market stalls. It was Gerald who organised the Photographic Competition and we were able to display all the entries. Geraldine Marshall was successful in receiving input from Museums and also organised the Rockwatch Challenge badges, designed by Amy. Participants had to answer questions from particular stalls to qualify for a badge. Putting it all together was a massive undertaking for our webmaster, Barbara Silva, and it was often frustrating when information came in late or when she had to make last-minute changes. An example was the way we were to run the Sunday field trips, which kept altering with the government guidelines; just a few days before the event they were cancelled altogether. It was also extremely challenging for Sarah Stafford in the office as the go-between. As usual,

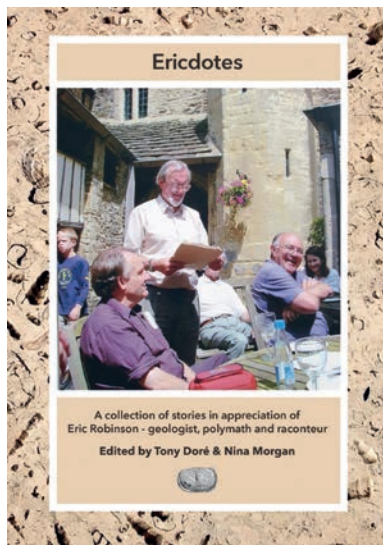
Susan Brown, Chair of the working group, organised a fine set of speakers: Dr Emma Liu *Above and Beyond: Drones are changing the way we monitor volcanoes*, Dr Tim Newman *The geology of the Thames Tideway Tunnel*, Prof. John Marshall *UV-B radiation was the terrestrial killer at the Devonian-Carboniferous boundary* and finishing with Prof. Philip Manning *The day the Dinosaurs Died*. The talks attracted a large audience, including individuals from as far away as Australia. The FOG was advertised on Eventbrite and those who wanted to attend particular talks or events needed to register. This caused a few problems, particularly with the Breakout Rooms. At our rehearsal we found that these required the latest version of Zoom, so Sarah Stafford emailed all those who had booked up to advise them to update. Those who succeeded in getting there enjoyed meeting with others for discussions. There were five Breakout Rooms: General GA Meeting Room with Vanessa Banks, Fossil Identification with Mick Oates & Graham Hickman, Geoconservation issues, Quaternary Research and Earth Heritage with Colin Prosser & David Bridgland, Students Room (aimed at University and A Level students) with GA Student Reps past & present, Tom Phillips & David Pedreros Bastidas and SchoolRocks! with Haydon Bailey. The day was run from the Geological Society by Kevin Perry (GSL), Sarah Stafford (GA) and remotely, Helen Connolly (Rockwatch). It would not have been possible without their expertise and we do thank them and everyone else involved on the FOG working group.

Our publications were not badly affected by Covid. In fact the *GA Magazine* positively flourished. The Editor, Liam Gallagher, put out a call for copy and was swamped. This led to bumper issues through the rest of the year with many interesting articles sent in by Members. Thank you Liam for acting so promptly and for processing all the extra content. Along with GFYS, the magazine has been something of a lifeline for Members. Our web-master, Barbara Silva also works on Production and Design of *Earth Heritage*. It has been a challenging time for her with home schooling. Even though Lockdown restricted Geoconservation work there were two very full issues. Our Geoconservation Postholder, Colin Prosser, reports on some of the highlights in his report elsewhere. David Bridgland is the GA representative and thanks go to him and Barbara for all their hard work. The magazine is available online through the GA website. *Geology Today* is a joint ownership with the Geological Society and is available at reduced price to GA Members. It continues to be edited by Peter Doyle. That too has remained an important link to geology during this difficult period and we thank Peter and his team. Malcolm Hart continues as Editor-in-Chief of the *Proceedings of the Geologists Association* (PGA) His hard work in delivering varied, interesting, high quality content is much appreciated. Despite the development of significant typesetting issues throughout the year Malcolm has worked closely with authors to successfully deliver six issues, 794 pages, by the year end. Members of the Publications Committee, chaired by David Bridgland, are very widespread and meeting through Zoom suits them. They wish to continue meeting in this way after normal face-to-face communication can be resumed.

Susan Marriott continues to be the GA Guides' Editor. While no new Guides were issued in 2020 there are several in the pipeline. Susan was also Guest Editor for the two issues of *Earth Heritage*. We congratulate Susan on being presented with the Foulerton Award for the work she has done with the Guides over the past 12 years. There was a new addition to the GA Shop in 2020. Members of the History of Geology Group, Nina Morgan and our new Council Member, Tony Doré were involved in putting together *Ericdotes*, a collection of stories in appreciation of Eric Robinson. Eric was GA President from 1991-1994 and was much involved with our GA publications over many years. He is well-known to many members through his building stone walks and remains on the Curry Fund Committee. The booklet is selling well and necessitated a reprint.

Both the GA and Rockwatch were invited to join discussions on the proposals for revamping the gardens of the Natural History Museum. We welcome the involvement and were able to contribute ideas for the proposed Time Line. We are looking to make further direct connections with museums around the country.

Details of the Curry Fund activities are reported elsewhere by Jonathan Larwood, the Secretary, and we thank him, the Chairman, Haydon Bailey, the Treasurer, Chris Green and all the members of the Curry Fund Committee for continuing to operate virtually. We are very sad to report that both Gilia Slocock and John Crocker died in 2020. Both were long-standing members of the Curry Fund Committee. John had



also been GA secretary from 2000-2011 and treasurer of Rockwatch. We thank David Bone for taking on that role. Susan Brown continues as Chair of Rockwatch and her report can be found elsewhere. Very many thanks to her and all her team.

Jonathan Larwood is also the GA Archivist and he put out a call for volunteers to help index the GA Carreck Archive. The response has been immense and it is hoped that volunteer projects will become available in 2021. In the June issue of the GA Magazine he detailed two Miss M.S. Johnston albums which had been made available to the public; these albums are one of the most important collections in the archive. The archive is publicly available through the BGS Earthwise website and is an extremely valuable resource. The co-operation with the BGS is much appreciated and we are very grateful to Jonathan for continuing to make the archive accessible.

The Geologists' Association welcomes all geologists, professional or amateur. Yet, when the death of George Floyd in the United States led to the June 2020 protests focused on *Black Lives Matter* Lucía Pérez Díaz rightly asked questions of Council regarding the diversity of the GA, an issue that is broadly recognised in Earth Sciences. In July, Council agreed to establish an Equality Diversity and Inclusivity Group, recognising a commitment to the topic. This group designed a survey as part of a knowledge-gathering phase that will provide data regarding the current makeup of the membership and will form a baseline against which future progress can be measured. The results of the survey are being analysed and will be reported upon completion. In parallel, other initiatives have embraced the concept in our business and Haydon Bailey, working with others, undertook research into the history of the award benefactors.

In April 2020 we were very sad to report the death of Adrian Champion, our Governance Postholder, who has been instrumental in keeping us on our toes with regard to Governance Matters, guiding us through a number of initiatives in this respect. We thank two of our new Council Members for taking up the responsibilities: Tony Doré became our Governance Postholder and Peter Jones took over Safeguarding from Alison Barraclough. Tony ensured that our policies and procedures were updated and in October Council approved the following: GDPR Procedures (responsibility of Graham Williams), Safeguarding, Complaints Policy and Risk Management Policy. Tony also initiated a virtual Zoom Meetings document. Our Field Trips organisers updated the Field Trip Guidelines in light of Covid-19 and added a new Covid-19 Risk Assessments and Guidelines. Tony worked on our Risk Register with updates from many Council Members; there has been a considerable shift of emphasis over this period. The most critical risks facing the GA have been identified by Tony together with a working party of eight other Council Members, and current focus is on making sure that risk-mitigation procedures are discussed, understood and recorded. Very many thanks to Tony and also to Peter, Graham and our two field trip secretaries, Ian Sutton and Graham Hickman.

A face to face meeting with the Geological Society of London took place in January when Nicholas Pierpoint and Vanessa Banks met with Richard Hughes (GSL Executive Secretary) and Alicia Newton (GSL Outreach Lead). Virtual meetings took place in July and September. The agenda for these meetings covers organisational updates, news and events of the respective organisations, as well as strategic and operational matters. The meetings are amicable and relations are good. An issue that has come increasingly to the fore is the proposed rise in rent for Burlington House.

Even though many of our events have had to be cancelled or postponed, it has been an extremely busy year and Council is satisfied that the Association has managed to keep a careful watch over its activities, guided by our Executive Secretary, Sarah Stafford, Governance post-holder, and Treasurer, and there were no serious incidents. We believe we have fulfilled our aims and objectives of promoting interest, awareness and conservation of geology in these difficult times and have succeeded in reaching as wide



an audience as possible. This is greatly assisted by the diligence and hard work of our office staff, Sarah Stafford and Geraldine Marshall, who on numerous occasions have had to work beyond the call of duty. We warmly thank them. It is gratifying to report that although the number of new members is slightly down on the previous year, even without live events, nearly 100 new members have been enrolled. Our thanks are also extended to the Geological Society for all the support they give us and in particular to Kevin Perry who has been on hand to advise on our Zoom activities and other technical issues.

GA COUNCIL AND COMMITTEES 2020

*prior to AGM May 2020

**appointed at the AGM May 2020

Officers: President: Nicholas Pierpoint/**Dr Vanessa Banks; Senior Vice-President: * *Dr Vanessa Banks*/***Nicholas Pierpoint* (Chair of External Relations & GASS); Vice Presidents: Dr Michael Oates (Meetings Secretary) and *Dr Liam Gallagher (GA Magazine Editor)** Dr Lucia Pérez Díaz (Awards Panel Secretary, Chair of EDI); Treasurer: Dr Graham Williams; General Secretary: Diana Clements

Postholders: Awards Panel, Curry Fund Chairman: Dr Haydon Bailey; Education: Alison Barraclough; Social Media (Twitter) and Student Liaison: Dr Rebecca Bell (resigned June 2020); Chair of Publications: Prof. David Bridgland; Rockwatch & Festival of Geology Organising Group Chairman: Susan Brown; Minutes Secretary: Dr Sandy Colville-Stewart; Governance: Adrian Champion (died April 2020)**Prof. Tony Doré (appointed July 2020); *GA Magazine* editor: **Dr Liam Gallagher; UK Field Meetings Secretary: Graham Hickman; Curry Fund Secretary: Dr Jonathan Larwood; Awards Panel Secretary: *Dr Lucia Pérez Díaz; Geoconservation: Dr Colin Prosser; Overseas Field Meetings Secretary: Dr Ian Sutton

Ordinary Members of Council: **Peter Jones, David Ward (GeoWeek Rep.), **Janet Wright (Website liaison), *Nikki Edwards (Geolab), *Professor John Cosgrove (Secretary to Publications Committee)

Co-opted: John Cooper (Facebook), Gerald Lucy (photo competition & fliers), **David Pedreros Bastidas (Student Rep.), Dr Thomas Phillips (GASS, **Social Media (Twitter), *Student Rep.), Richard Trounson (Legal matters), *Professor Susan Marriott (Guides Editor), *Peter Jones (Conference)

Non-Council Roles: Proceedings Editor-in-chief: Professor Malcolm Hart; Guides Editor: **Professor 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.: Professor David Bridgland; Librarian: *Sara Osman /**Dr Sandy Colville-Stewart; GA Archivist: Dr Jonathan Larwood; 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, John Cooper, Alan Holiday, Dr Anjana Khatwa, Jonathan Radley, Dr Eric Robinson, 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: Professor Malcolm Hart; *Geology Today & Rockwatch Magazine*: Peter Doyle; Guides Editor: Professor Susan Marriott.

***Outreach/**External Relations Committee:** President; Chairman: Nick Pierpoint; Secretary/Membership: Dr Paul Oliver (retired November 2020); Social Media: Dr Rebecca Bell (retired June 2020), Dr Thomas Phillips and John Cooper; SchoolRocks! 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 Lonergan, Jane Michael, John Nicklin, David Ward)

Equality, Diversity and Inclusion (EDI) Working Group (formed July 2020): Dr Lucía Pérez Díaz, Dr Jonathan Larwood, Dr Thomas Phillips, Janet Wright, David Pedreros Bastidas

GA Festival of Geology Organising Group (formalised May 2020): Chairman: Susan Brown, Dr Vanessa Banks, Diana Clements, 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; Treasurer: Dr John Crocker (died May 2020)**David Bone, Professor Peter Doyle, Alan Holiday, Dr Wendy Kirk, Dr Jonathan Larwood, Roger Le Voir, Dr Michael Oates, Susanna van Rose; 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 Rebecca Bell (resigned June 2020), Dr Liam Gallagher, Dr Lucía Pérez Díaz, Dr Thomas Phillips, Janet Wright, **David Pedreros Bastidas

SchoolRocks! Dr Haydon Bailey, David Ward, Alison Barraclough

Geology from your Sofa (lockdown initiative begun April 2020): Alison Barraclough, Janet Wright

GA Office: Executive Secretary: Sarah Stafford; Administrative Assistant: Geraldine Marshall

MEMBERSHIP

The deaths of the following GA Members were reported during 2020:- Adrian Champion, Frank Behennah, Steven Codling, John Crocker, Frank Diggon, Stephen Holman, David Horsley, Malcolm McQueen, David Mudge, Mary Owen, Carolyn Pascall, Margaret Place, Neil Preston, Ann Sayer, Gilia Slocock, Margaret Wenban, Robert Williams, Bernard Worssam.

New Members 87, 6 formally resigned. Total 2020 Membership 1242, Joint 42, Full 963, Associate 125, Student 70, Honorary Life & Life Members 42.

Rockwatch 2020 Membership comprising of 1548 of which 5 are institutions

Comprising 472 individuals and 269 families (average 4 family members), 5 institutions.

OUR LONG SERVING MEMBERS

Members who joined in 1970 and reached 50 years

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 joined in 1950 and reached 70 years:- Ronald Keith Harrison

ANNUAL GENERAL MEETING 1 May 2020, 3pm

held virtually with prior voting slips received from members

The Coronavirus Pandemic meant that in 2020 the GA had to hold a virtual AGM. It was decoupled from the Awards Ceremony, Presidential Address and Annual Dinner which the GA had planned to hold in the autumn but was unable. Members were sent voting slips, either by Mailchimp or by post. 86 were returned, 67 by linking from the Mailchimp, 6 voting forms were emailed and 13 posted, prior to the Conference Call of Council Members who formalised the meeting at 3 pm on 1st May. All voted to approve the motions.

The Senior Vice President Dr Vanessa Banks had prepared the details of Council Members as a Powerpoint which had been sent to members with the Annual Report & Financial Statement and the voting slips.

The retiring President, Nicholas Pierpoint presented the results of the motions that were put to members:

1. At the AGM on 1 May 2020 the Annual Report & Financial Statement for 2019 were adopted.
2. New officers proposed were **Dr Vanessa Banks** as President, **Nicholas Pierpoint** as Senior Vice-President & Chair of the External Relations Committee and **Dr Lucía Pérez-Díaz** as Vice President and Secretary to the Awards Committee.

The following officers and post-holders remain: Dr Graham Williams (Honorary Treasurer), Diana Clements (Honorary General Secretary), Dr Michael Oates (Vice President & Meetings Secretary).

The officers were duly elected.

The Retiring President thanked the retiring officer, Dr Liam Gallagher (Vice President and GA Magazine Editor) who will remain on council as a post-holder.

3. New post-holders proposed were **Alison Barraclough** (Education) **Adrian Champion** (Governance), **Dr Sandy Colville-Stewart** (Librarian in addition to her roles as Minutes Secretary to Council and the Curry Fund) and **Susan Brown** (Chair of GA Festival organising Committee in addition to her role as Chair of *Rockwatch*).

The following post-holders remain: Dr Haydon Bailey (Chair Curry Fund & Awards Committee; *SchoolRocks!*), Dr Rebecca Bell (Student Liaison and Social Media), Dr Liam Gallagher (GA Magazine Editor), Graham Hickman (UK Field Meetings Secretary), Dr Jonathan Larwood (Curry Fund Secretary & GA Archivist), Michael Oates (Meetings Secretary), Colin Prosser (Geoconservation), Ian Sutton (Overseas Field Meetings Secretary).

New members of Council proposed were **Professor Anthony Doré**, **Peter Jones** and **Janet Wright**. No other nominations received.

The following Ordinary members of Council remain: David Ward (*SchoolRocks!* & GeoWeek Rep.), John Cooper (co-opted for social media), Gerald Lucy (co-opted for fliers and Photographic Competition), Dr Thomas Phillips (co-opted as Student Rep.) and Richard Trounson (co-opted for legal matters).

Remaining Council was re-elected en bloc.

The retiring President thanked the retiring Post-holders: John Cosgrove and Nikki Edwards. John will continue to serve as Secretary to the Publications Committee and on the Awards Panel and Nikki will continue to promote GeoLab and remain on the External Relations committee. Thanks also went to Sara Osman for her service on Council, in looking after GDPR, and for her preparation of an inventory of the GA map library holdings. Susan Marriott will continue as GA Guides Editor but will no longer be co-opted onto Council.

The incoming President expressed the thanks of all GA members to Nick for his exemplary two years as President.

GA AWARDS 2020

Although no awards were presented at the AGM, the following recipients were announced in advance of the meeting. Members received a pdf with all the details, set out by President elect. It was hoped that the retiring president would be able to hand out the awards in person in the autumn. There were no official responses to minute.

Foulerton Award for work of merit connected with the Association was awarded to **Professor Susan Marriott**. Susan has been the Guides Editor since 2008. She has successfully edited 8 new guides for the GA with more in the pipeline. Susan has taught herself to use the various publishing programmes and introduced the spiral bound format, full colour and an engaging style. Further, she has gained a reputation for guiding authors from inception through copyright issues to publication as well as meticulous, non-invasive editing.

Halstead Medal for work of outstanding merit deemed to further the objectives of the Association and to promote geology was awarded jointly to **Ros and Ian Mercer**. As leading members of the Essex Rock and Mineral Society, Ros and Ian have been ambassadors in the promotion of geology, contributing to education at all levels. A particular focus for their energy and enthusiasm has been the publication of a series of attractive, practical and informative brochures on *Wall Surveys*, *Pebbles* and a guide to the fossils of Essex. They spread the message across their local area and beyond in a professional yet accessible manner.

The Halstead Award is given to an individual or individuals who have made a substantial contribution in any area of geology at an early stage in their career. This year the £500 award was awarded to **Dr Zoe Mildon**. Zoe is a Lecturer in Earth Sciences at the University of Plymouth. Her PhD investigated earthquake dynamics and fault interactions in the central Apennines of Italy. It combined fieldwork (mapping and measuring fault scarps) and modelling stress changes induced by earthquakes. She has a particular interest in how high-resolution structural field data, historical records of earthquakes and fault slip rates can be used to better understand seismic hazard. A former GASS presenter, Zoe is passionate about media engagement and outreach.

The Richardson Award for the best paper in PGA during 2019 was awarded to **Professor Rory Mortimore** for his two 2019 contributions: *Late Cretaceous stratigraphy, sediments and structure: Gems of the Dorset and East Devon Coast World Heritage Site (Jurassic Coast), England*. PGA 130, 3-4, 406-450, and *Late Cretaceous to Miocene and Quaternary deformation history of the Chalk: Channels, slumps, faults, folds and glaciectonics*. PGA 130, 1, 27-65.

Curry Fund MSc Award. The aim of the Curry Prize is to encourage student excellence. The prize is awarded to one or more Masters degree theses on a geology-related topic arising 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 best two so it was agreed that each will receive a winners Award:

Winner 1 - Oliver Erich Demuth, University of Bristol, MSc Palaeobiology. Thesis title: *3D limb biomechanics of the stem-Archosaur Euparkeria capensis with implications for posture evolution*.

Winner 2 - Florent Fayolle, University College, London, MSc Geoscience. Thesis title: *The early evolution of Dentoglobigerina*.

The **Ivor Tupper Award** gives financial assistance (£2,000) to a deserving undergraduate who demonstrates outstanding academic excellence. This award is made on the basis of the recommendations of Heads of Department. A nomination was found post the meeting (sent to old address) and awarded to:

Hayley Hunt - Final year student at Royal Holloway, University of London.

UK Onshore Geophysical Library Research Award. The UKOGL Fund helps one or more deserving final year MGeol / MSci undergraduates to assist in the preparation of a thesis, preferably relevant to the geology of onshore areas of the United Kingdom.

Winner: Edward Clennett *Quantitative Tomotectonic Plate Reconstruction of Western North America and the North East Pacific Basin*. University of Oxford, MSci. Earth Science.

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. It was awarded to **Dr Jonathan Larwood**. Jonathan is a long serving member of Council with a considerable breadth to his contribution to the GA, from the Curry Fund, Rockwatch, Archivist and Guest Editor of the *Proceedings of the Geologists' Association* to supporting activities of Local Groups. Additionally, since 2008 he has undertaken the role of GA Archivist, enabling access to the Carreck Archive. Jonathan is valued for his expertise in geoconservation as well as his considered judgement, technical knowledge, his willingness to share his carefully thought through opinions and all done with considerable good humour.

Research grants awarded in December 2019

William Smith, University of Cardiff

New Researcher grants awarded in December 2019

Gregor Hahn, University of Leicester (Baker-Arber Fund)
Bailey Ann Lathrop, Imperial College (Wyley Fund)
Roy Smith, University of Portsmouth (Middlemiss Fund)
Thomas Vandyk, Royal Holloway University of London, (Young Fund)
Emma Watts, University of Southampton (Wyley Fund)
Kevin Wong, University of Leeds (Wyley Fund)
Qin Zichuan, University of Bristol (Middlemiss Fund)

Meetings Grant

Oliver Campbell University of Cardiff (Wyley Fund)
Annabel Causer Royal Holloway University of London (Calloman-Porter Fund)
Sian Lianne Evans Imperial College (Calloman-Porter Fund)
Maximilian Jansen University of Cardiff (Calloman-Porter Fund)
Almudena Sanchez de la Muela Garzon UCL (Calloman-Porter Fund)

This year 20 members are being sent their 50 year plus certificates for continuous membership. These are: Carolyn Gillian Brooks, Christopher John Burton, Janet Louise Chapman, June Evelyn Coles, Robert George Deane, John Charles Dove, Charles John Fearnley, Christopher Robert, Michael Jenkins, Simon Richard Appleton, Kelly Richard Maxwell Oates, John Eric Robinson, James Rose, Edward Philip Frank Rose, Michael Arthur Rowleron, David John Ward, Richard John Whittaker, Brian Patrick John Williams, Peter Gordon Lee Wynn.

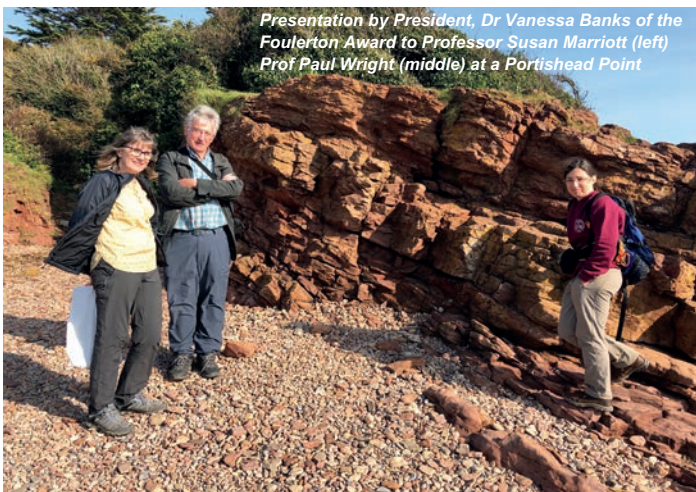
The following 5 members have attained over 70 years membership: Arthur Clive Bishop, Raymond Davies, Rupert William Roye Rutland, Richard George Selby Westbury, Iain Ashworth Williamson

The President thanked all the Officers of the Association, Executive Secretaries and Council Members as well as speakers and field trip leaders: A special thank you from the President to all of you for your continuing support throughout the year. 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 talks and led field trips this year. Your efforts on our behalf have been much appreciated by everyone in the GA.

Presidential Address for 2020 Nicholas Pierpoint – Exploring for Hydrocarbons a risky business (Part 2)

We hope this can be delivered later in the year and are looking to 2 October at the earliest, along with the Award Presentations and Annual Dinner.

Since these minutes were drawn up, GA Council has made the sad decision that we will not be able to meet physically on 2 October as hoped. We have therefore cancelled the 2020 Annual dinner and the President's address will be delivered virtually on 2nd October (and remain available to members after that date).



Presentation by President, Dr Vanessa Banks of the Foulerton Award to Professor Susan Marriott (left) Prof Paul Wright (middle) at a Portishead Point

In the meantime, Nick Pierpoint, the retiring President, and Vanessa Banks, the incoming President will between them visit our Prize winners individually to present their awards in the open and and suitably socially distanced. The presentations will be photographed and will be written up in the GA Magazine. Award monies have already been sent to the student recipients and their names will be mentioned at the AGM in 2021 and certificates will be sent by post.

LECTURE MEETINGS 2020

The year 2020 started fairly normally for the London lecture programme. In January we welcomed Prof. Graham Shields (UCL) who spoke on his research on the emergence of complex life around the Ediacaran to Cambrian transition. Moving to another great geological transition, Prof. Jo Morgan (Imperial College) reported on the results of coring the Chicxulub Impact Crater, which formed when an asteroid struck Mexico at the end of the Cretaceous. We were still able to meet in March, when Dr Ian Williamson (BGS) gave a beautifully illustrated talk on how the Hebrides appeared in the Mid Palaeocene, during the so-called Tertiary Volcanic episode, concentrating on the landscapes and associated life.

Then Covid struck. Our host, the Geological Society was forced to close its doors and the first victim was April's meeting, which had to be cancelled (actually deferred to 2021). Then, although the AGM went ahead virtually in May, the presidential address was also postponed. However, we were able, with the application of technology, to manage the remaining programme remotely, and remarkably successful that became. The first of these was the Halstead Lecture, in June, which was pre-recorded by Kevin Wong (Leeds University), who gave an overview of deep carbon cycling at a tectonic scale. Kevin was available online to answer questions after the talk was broadcast. This progressed to full live lecture broadcasting and perhaps of most impact, with no problems of travelling to London, we could involve visiting lectures from overseas. The first of these was a remarkably well-received presentation by Dr Jon Noad, who delivered a talk in July direct from Calgary, Canada on his Weird and Wonderful World of Sedimentology, with examples of sedimentation processes in the most unlikely of places. Buoyed by the success of this enterprise, we added an additional lecture, during the summer recess, and Prof Simon Mitchell (University of Jamaica) talked on a comparison of the flints of the English Chalk with their equivalents from the Eocene-Miocene White Limestone of Jamaica.

Nick Pierpoint's deferred presidential address was delivered in October, rounding off his first one, from 2019, looking in more detail at geological risks involved in exploring for hydrocarbons. The last talk of the year, which was as advertised, allowed Prof Sarah Davies of Leicester University to tell us about the environmental conditions that facilitated the rebuilding of an early Carboniferous ecosystem.

As the nationwide restrictions on movement have continued through to 2021, the ensuing programme has been organised initially along the same lines, with the hopes that later in the year we shall be able to revert to a more normal meetings style. It was good to see so many enjoying the lectures at home via the Zoom platform, and although virtual wine and nibbles is yet to be devised after the talks end, we encourage participation in our "breakout rooms" for a chat afterwards as a form of compensation.

It was an unusual experience to organise and attend the 2020 GA London lecture series, particularly the opportunity to invite remote speakers, which has probably made our future activities more inclusive for the membership forever. It is hoped that summer recess lectures, possibly from overseas, should become a standard part of the GA's activities. Finally, we give sincere thanks to those who contributed to it, both the speakers and Team GA (Sarah and Kevin) at the administrative end, for making it so successful and enjoyable. If you missed anything, it should be available via the GA website.

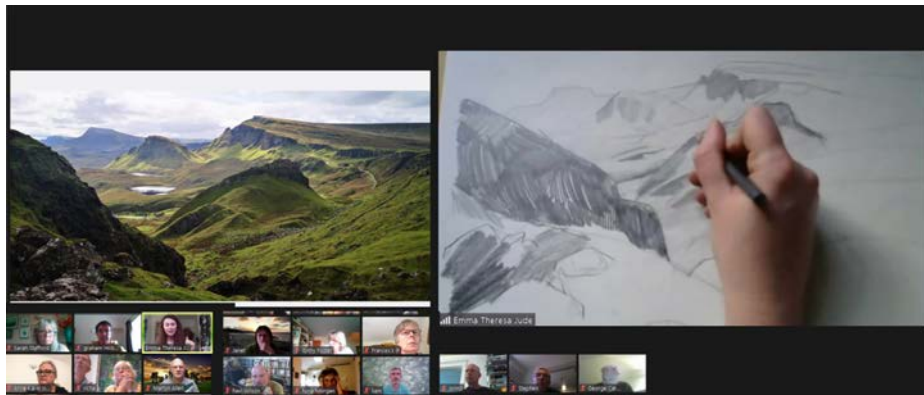
Michael Oates
Indoor Meetings Secretary



UK FIELD MEETINGS

For 2020 a full programme of 8 field meetings, including two weekend trips had been planned. However due to the COVID-19 pandemic and resulting social distancing restrictions - all physical meetings had to be cancelled.

The Geological field sketching meeting was replaced with two virtual 'Art and Geology' workshops led by Emma Theresa Jude, both held in June 2020. These were very well received and further virtual workshops have been planned for 2021.



Landscape Sketching techniques being demonstrated over Zoom by Emma Theresa Jude – June 2020.

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 must be noted however that it is currently unclear when meetings involving indoor spaces can be rescheduled. Rescheduled status below;

- (1) Dorset weekend field trip to be led by John Cope now rescheduled for 4/5 September 2021.
- (2) The North Somerset weekend field trip to be led by Jonathan Turner (18/19 September 2021).
- (3) Wealden excursion led by Peter Austin and Ed Jarzembowski to be held virtually 18th July 2021.
- (4) Geological field sketching to be led by Emma Theresa Jude to be held virtually on Zoom.
- (5) Geology of Denbies Vineyard, lecture and wine tasting to be led by Richard Selley now rescheduled for 11th September 2021.
- (6) Charnwood field trip to be led by Michael Howe (2021 date to be decided).
- (7) William Smith's fossils – NHM to be led by Jill Darrell and Diana Clements (indoor space - tbd).
- (8) BGS Keyworth to be led by John Stevenson (indoor space - tbd).

The things learned from the cancellations of the 2020 programme have been used to update the Field Trip Protocol document. Also a Covid-19 Risk Assessment Field Meeting Guidance document was developed and shared with Local and Affiliated Groups in anticipation of restarting field meetings.

Graham Hickman
Field Meetings Secretary

OVERSEAS FIELD MEETINGS

An extremely interesting and varied provisional field trip program was visualized for 2020. The COVID-19 pandemic put a rapid stop to these proposals. The trips were intended to include the ever popular Moroccan field trip with its wonderful opportunities for anyone interested in paleontology, a new location with Dr. Michael Oates to Kazakhstan and the Russian border, and a David Bone special to museums in Madrid.

Another trip was scheduled for Turkey under the auspices of Professor David Bridgland and Alison Ure. This trip was fully booked for early April 2020 and had to be cancelled at a very late stage. David and Alison came up trumps and, to alleviate the disappointment, provided participants with a day-by-day virtual field trip. This was beautifully presented and must have whetted the appetite for the real thing, which has now been rescheduled for early April 2022. Many thanks to David and Alison, for what I assume was a first virtual overseas field trip presented by the GA. All of the other overseas trips have also been provisionally rescheduled for 2022. It is hoped that by then overseas activities may be able to take place freely and without fear.

Ian Sutton
Overseas Field Meetings Secretary

GEOCONSERVATION

Restrictions on travel and on groups of people gathering together has undoubtedly impacted on geoconservation work this year. However, we have maintained a significant profile and level of geoconservation activity within the GA, with our role managing the publication of *Earth Heritage* magazine being central to this. During the year we worked with our partners to publish issues 53 and 54 of *Earth Heritage*, both of which featured articles exploring the impact of Covid-19 on geoconservation activity and how the GA has responded and adapted. In addition, we have continued to engage in geoconservation activity where possible, for example, hosting a virtual geoconservation workshop as part of the Festival of Geology, participating in the International Oxford Geoheritage Virtual Conference in May and the Geological Society's virtual Geoconservation Gathering in October. We have also responded to government consultations and made representations over the closure of a show cave. We have provided written support



to the ongoing proposal to create an International Geodiversity Day and were delighted to see the Black Country become a UNESCO Global Geopark and Saltwells, a key locality within it, become a new geological National Nature Reserve – some of us will remember them as the hosts of the GA Annual Conference in 2018. We have also agreed a format for publishing descriptions of new Geological Conservation Review sites as stand-alone papers in the PGA, with issue 1 of 2021 including 3 such papers on Scottish sites. Finally, but very importantly, we continue to maintain the

Curry Fund as a source of funding for projects including geoconservation activity.

THE CURRY FUND

In 2020, as a consequence of the Covid-19 pandemic, the Curry Fund Committee has met via Zoom, continuing to manage applications, our careful discussions and successfully award grants to the usual mix of projects, from the traditional to the innovative. This year the Curry Fund received 21 applications of which 12 were supported representing a total of £23,170 being offered in grants. During 2020, £22,413 (£19,436 ordinary grants and £2,977 GA subvention) was paid for projects which completed during the year.

Projects supported:

Geological guides and trails have been supported in various ways including a revised version of the *GA Field Guide to the Yorkshire Coast* (No. 34), a guide to the Thanet Coast (*The Smuggler's Trail*), a geotrail leaflet for the Usk Inlier at Llanbadoc, and a virtual glacier tour to be added to *VR glaciers and glaciated landscapes*. Along the Jurassic Coast, grants for an exhibition featuring the Jurassic Coast Collection and a photographic exhibition comparing modern marine fauna with the Etches Collection at the Museum of Jurassic Marine Life, were awarded. The Yorkshire Fossil Festival plans to relaunch this year (2021) and was supported by a small grant as was the Rock Showman's Booth, an innovative circus performance, to be delivered virtually and eventually, live. Local group projects have included the digitisation of Sussex geological records by the Sussex Geodiversity Partnership and the printing of the new Knighton 1:50,000 geological sheet: a collaboration between Herefordshire and Worcestershire Earth Heritage trust and the Teme Valley Geological Society. The Curry fund also supported the restoration of a six-panel oil painting of the famous 1839 Bindon Landslip which is now on display at the Lyme Regis Museum. Lastly, the Curry Fund, on behalf of the Geologists' Association, was very pleased to grant support the successful Mary Anning Rocks campaign to have a statue of Mary Anning erected in her hometown of Lyme Regis.

Curry Fund 'Award for Excellence': Each year the Curry Fund seeks to recognise projects of particular merit that were completed in the preceding year. This year two certificates were awarded for 2019 projects: Dr Bethan Davies for her work on the Antarctic Glaciers website and the Achiltibuie Tourist Association (NW Highlands) for their excellent Ciogach Geotrail and poster.

Lastly, it is with sadness we report that both John Crocker and Gilia Slocock died in 2020. Both were long-standing members of the Curry Fund Committee and great contributors to our discussion and debate which is certainly missed. Gilia was also Minutes Secretary for a number of years. I know they would have been impressed and excited by the projects that the Curry Fund has continued to support and that we look forward to coming to fruition in 2021.

Further information: www.geologistsassociation.org.uk/curry/



Jonathan Larwood
Curry Fund Secretary

Dr Bethan Davies being presented with the Curry Fund 'Award for excellence' certificate outside Royal Holloway, University of London; hand colouring the Knighton geological sheet; and one of the Bindon landslip panels, before and after restoration

ROCKWATCH

In spite of the strange and challenging circumstances we have found ourselves in since March, Rockwatch has continued to function, attracting new members throughout the year and keeping the website up to date with new activities for all its visitors not just for members. Our Rockwatch Management Committee (RMC) has been busy as have our two science editors, all ensuring that our normal activities have kept on target. We were joint organisers of the GA's annual Festival of Geology (vFoG) in November which we ran virtually for the first time. Initially, our field trips were postponed but later had to be cancelled. The annual competition went ahead with more entrants than usual and of an incredibly high standard, much to our delight.

We have instituted a new system of recording membership data, so it will be simpler to compare figures year-on-year. In 2020 we had 254 new member registrations. These comprised family members (who may have up to four children and one or two adults), individual child members and the occasional adult member. We register the sex of the children, their ages on joining RW and how long they remain members, so we now have a useful data base for annual comparison.

We managed two public events before the first national lockdown. The first was a Family Day in the BGS Shop at the Natural History Museum in London. It was busy all day with visitors from all over the world. Activities included a tour of the Earth Galleries thanks to Jenny Parry and Di Clements who work at the NHM. The second was *The Rocky Roadshow* in Norwich with the Norfolk Lap. & Min. Soc. It was a brilliant day with lots of visitors keen to make their own fossil replicas. Thanks for help all day from the Lovick family, all former RW members. Both events were very successful and made an excellent start to 2020. But, sadly, they were the only two we were able to run, thanks to a series of national lockdowns to manage the coronavirus pandemic.

Our website introduced a new section, "Dig Deeper", a ten-week series of blogs of geological site visits and geo-stories, including many of the sites Rockwatch has visited in recent years. There are a wide range of sites to visit and learn something about their geology management. Included is a section on geological food to make, and much else. Thousands visited the vFoG section of the website, active until the end of the year, and still showing on the RW website are many of our annual competition entries plus a short video of them, thanks to our marvellous website manager Helen Connolly.

Our magazine editors and publishing editor, Susanna van Rose, Peter Doyle and Seabury Salmon, ensured that the magazine was published on time with a superb mix of articles. The high standards, timelessness and accessibility of the articles owe thanks to the hard work of the editors and their enthusiasm for promoting RW. Authors included our annual competition winners, former RW members, professional geologists, academics both working and retired, and, occasionally, the editors themselves. RW is also indebted to our administrative assistant/co-ordinator Geraldine Marshall. She is always ready with an enthusiastic welcome and offering help to all those she encounters in her RW work.

Even though contact with our amazing band of volunteers has been limited this year, we owe them thanks for their continued interest in, and support for, the club. It is heartening to know that they are all ready to rise to active field trip mode once the nation is free from Covid-19 restrictions.

I must add that RW simply would not exist without the generosity of its supporters: Equinor, Anglo American Group Foundation, the Geological Society and its Petroleum Group and the UK Onshore Geophysical Laboratory. It is their faith in Rockwatch and their support which gives us the freedom to provide such a range of activities for our members and the public. 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.

I know I say every year that it is a privilege for me to be involved with such an enthusiastic group of volunteers, supporters and young members of Rockwatch and their families. But, it really is, and helps to keep me young, fit and active. I am constantly delighted that so many of our former members are willing to play an 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. It is my fervent hope that Rockwatch membership and engagement will leave all these young people with 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

Fossil plaster casting at Norwich, February 2020





Dr Vanessa Banks
President

A handwritten signature in black ink that reads "Vanessa Banks".

Mrs Diana Clements
General Secretary

A handwritten signature in black ink that reads "Diana Clements".

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

GEOLOGISTS' ASSOCIATION LOCAL GROUPS

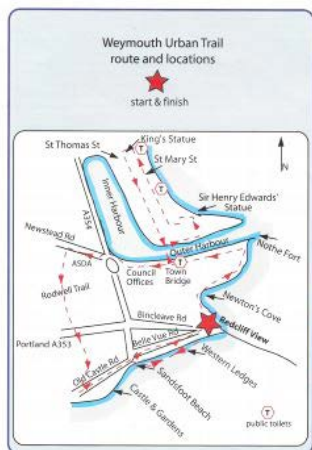
DORSET GEOLOGISTS ASSOCIATION GROUP

www.dorsetbuildingstone.org

In common with many other groups I suspect, it's been an unusual and challenging year in which committee members have continued to work hard for the group. For example, our field trip organiser devised a full programme of events only for them to be postponed because of the changing situation with the pandemic. We hope to run them in 2021. Our other main events are the AGM, *Holiday Rocks* talks, the annual Dinner, the lecture program and the December Workshop. Unfortunately, excepting the AGM, all these had to be cancelled owing to the pandemic. However, *Holiday Rocks* and the December workshop became online events, with presentations hosted on the DGAG website.

To keep members interested and informed we started a weekly round-up of *Geology in the news* by e-mail when the March lockdown began. About the same time, the GA started running its *Geology from your Sofa* series of links and activities so that was included as well. The lecture programme is also due to go online from February via Zoom so there are positives too! Quarterly editions of our *Newsletter*, in full colour, have once again gone out to members. We were concerned about the potential drying up of content with the suspension of fieldtrips but luckily, those fears were unfounded. That is down to a regular nucleus of members who contribute articles, plus several 'first-time' authors. Our website has been expanded with links to 'virtual' events such as *Holiday Rocks* and the *Lyme Regis Fossil Festival*. The online web-map now includes a 'hill shade' terrain derived from the very latest National LIDAR data from

DGAG presents: A geological walk around Weymouth



the Environment Agency and Admiralty bathymetry. Also, the 1st Edition ~1880 Ordnance Survey map-layer for Dorset is available. Our Facebook page has also been busy this year, featuring updates on events such as the landfalls at Burton Bradstock, Charmouth and Bournemouth. A number of other members have provided interesting aerial photographs and links to articles.

A spin-off from DGAG, The Dorset Building Stone group and website, has continued to grow and expand its coverage of churches considerably. We are currently in the process of writing an illustrated guide to the building and decorative stone of Kingston Lacy House. There is lots of information on the website which covers sites across the county where buildings have been studied by members and information added to the website. All in all, we've enjoyed another busy year. For 2021, we are looking forward to meeting up in person, the resumption of real field trips plus a residential to the Black Country Geopark in the Autumn.



ESSEX ROCK & MINERAL SOCIETY

www.erms.org

Our membership is currently 111, much the same as last year despite pandemic progress. Our Affiliation to the Geologists' Association is aided by the fact that 13 ERMS members are also GA members. Thanks go to Mark Matthews for continued promotion and efficient management of our Membership system.

Both the Shenfield and Stanway venues closed following the 3rd March meeting, due to Government Covid19 regulations coming into force. The first online Zoom talk took place on 2nd June, since when these have continued monthly, often with members joining from remote locations, including Botswana. Speakers are also able to present talks from remote locations, another benefit of using Zoom. The most recent talk was presented by a speaker, very successfully, from his room at Leicester University. Hall meetings may eventually resume at less regular intervals depending on circumstances.

Produced with the aid of the Geologists' Association Curry Fund, the *Fossils in Essex and beyond* chart was published, followed by the *Essex Rocks* chart with our Essex geological column of 'deep geology'.

A new signboard for the erratic dolerite boulder from Marks Warren was produced and installed at Bedfords Park in the L.B. Havering district (formerly Essex).

Work on the planned second edition of the book *Essex Rock* is well under way, aided by time made available by Covid19 lockdown. The great assistance of ERMS members is very much appreciated, with much advice, reading and editing, diagrams and photos and loans of specimens for photography.

Only three out of ten planned trips took place this year due to Covid19 restrictions. Participants attended from other clubs or joined as guests. Thanks go to David Turner and Gerald Lucy for organising visits. A family day on *Ice Age Essex* was run by Ian and Ros at Epping Forest Museum in Waltham Abbey in October to complement their Ice Age exhibition. The display *Cornwall Come to Essex* was shown at Essex Field Club Social in December.

The 38th ERMS *Essex Gem and Mineral Show* in February was again very successful; thankfully we were able to benefit from its success just before Covid19 lockdown curtailed such activities.

Thanks go to Jeff Saward for his continued efficient management.

Ian set up a cabinet of drawers to house Chelmsford Museum's Essex Reference Collection which they had put aside when the Museum's Geology Room was dismantled. The ERMS committee agreed to fund this project. Ros and Ian Mercer have set up the ERMS contribution for the November 2020 online GA Festival of Geology entitled *The Story of Essex in Rocks* to complement the *Essex Rocks* poster. Our publicity and Show leaflets continued to bring success. ERMS Facebook was maintained by Helen Vickers who also publicised the Society in other ways. Mark Matthews, Membership Secretary, organised publicity displays at local libraries which were very well received. The website was maintained by Ian Mercer with updated information including full details of talks, visits and events, news and member information



ERMS on a field trip preCovid restrictions
2019 trip to Highwood Quarry near Great Dunmow

FARNHAM GEOLOGICAL SOCIETY

www.farnhamgeosoc.org.uk

The Farnham Geological Society resulted from a group of people attending adult education classes, in the days, 1970, that these were affordable and were taught by Ted Finch who led the first field trip. At the beginning of 2020, we were considering how the 50th Anniversary of the society should be recognised and ideas were beginning to form with a social meeting. This obviously didn't happen and Liz our chairman decided to produce a booklet, detailing amongst other things, the history of the society, some pictures of field trips and examples of some lectures. This was to be sent to all members and opened on the last meeting of the year in July, each with a glass of something to hand. Thanks must go to her for the amount of work she put in to this. Sadly Ted died shortly before this date.

There was one "live" lecture meeting in January and from then, talks were via Zoom. This has been very successful as, members living at a distance or those unable to travel to Farnham, were able to Zoom in and enjoy the talks. Zoom has seen an increase in attendees at lectures from around the mid 40s to the mid 50s. The option to Zoom will continue when real lectures return

The year began with a talk by members, Liz Aston, Janet Catchpole and Sally Pritchard, entitled *Argentinian Odyssey*, July was the 50th Anniversary Zoom get together. Meetings continued in September with a lecture on *Extremophiles* by Dr Narina Barcenilla and another speaker from NHM in October was Dr Tim Ewin on the Mass Accumulation of Chalk Ophiuroids in Lewes. *The Smallest Things Can Make a Difference* was the talk given by Dr Liam Gallagher in November and the year ended with Dr Isobel Yeo's talk on the *Tongan Pumice Raft*.

Farnham has a number of new young(er) committee members, who have brought new ideas to the Society and also expertise in the ways of the electronic world. They have also contributed to Liz's new Geology Course, which has also brought in a number of new members. There are 79 members this year, 73 in 2019, though sadly there have been eight deaths during the year. John Stanley who died, a long standing, regular member, had just completed the list of lectures and field trips from the beginning of the Society. This can be seen on the Farnham Geological Society's website.

At the time of writing, it is hoped that lectures will resume in September and perhaps a local field trip or two.



1974 – Field Trip to Pembrokeshire

Photograph of an early field trip, supplied by Peter Luckham, the last original member still a member, who has 3 years to go to make 50 years as treasurer

What a year!

We started off with a virtually full programme of talks and field trips but soon had to write the dreaded words 'cancelled' or 'postponed' by many of them.

We were extremely lucky that our annual two-week exhibition was held in February and this went very well being visited by many members of the public and by school parties. We had a special topic this year on Climate Change and the Earth's Resources and one of our members was interviewed on Uxbridge FM. We also managed to hold our Annual Social and the first three evening meetings of the year before the Spring shutdown.

Assuming that the pandemic would be over shortly we contacted our speakers for the next few months to rebook them. We only had to cancel one meeting but then moved to on-line meetings, initially using Jit.si with Zoom at a later date. All the meetings up to December were talks and quizzes given by members.

Our Exhibitions Committee really pulled out the stops with our presentation for the Virtual Festival of Geology – congratulations to everybody else for what was a very successful day.

Our problems were compounded in August when we heard that the lease on 'our' hall had been sold and that we would not be able to book it in future making the Society effectively homeless. While we have been able to find homes for essential hardware we have, regretfully, had to get rid of our lending library – books were offered to members while the remainder went to charity. We are leaving it until later to find a new venue but, for the moment, are continuing meeting on-line.

Our web-master has been very busy re-designing and expanding our website and has great ideas for introducing material for on-line learning in the future.

Last year I wrote *"Hopefully the New Year will bring new opportunities"* – this still applies!



HERTFORDSHIRE GEOLOGICAL SOCIETY

www.hertsgeolsoc.org.uk

The year got off to a good start with lectures continuing as normal from January through until March, where after the AGM we had a fantastic summary of the GA trip to Morocco from Adrian Champion. Unfortunately, this was to be his swan song as he passed away soon after. Adrian is sorely missed on so many levels as he did so much both for the HGS and for the GA, although much of this was unacknowledged and carried out behind the scenes.

In February we did manage our repeat field trip to Lapworth Museum organised by Nick Pierpoint (attendance at the original one in 2018 was decimated by the 'Beast from the East') and our annual geoconservation of the Little Heath site organised by Clive Maton. Our final field trip of the year was a pop-up geology trip in mid-March organised by Nick, taking advantage of water he had recently observed in the Hertfordshire Bourne, just to the south west of Berkhamsted.

A week later in came the first Covid-19 lockdown. Consequently, everything came to a shuddering halt. We were left wondering what direction we should head in. Certainly not into the field on geological field trips. All were cancelled but will be rescheduled sometime in the future once government regulations allow. Initially, lectures were all cancelled or at least postponed as the College where we held our meetings was closed until July. It did reopen and we were looking at the feasibility of restarting, including writing risk assessments, then the rule of six came in.

So, we turned to Zoom. Where we had struggled previously with mass communication, now we had a simple bit of software which gave us the opportunity to hold committee meetings and lectures in the comfort of our own homes. This was by no means the same as meeting up in person and having the opportunity of face-to-face chats, book sales and the simple pleasure of each other's company, but we could re-start our meetings, even if at a distance.

From September Zoom lecture meetings commenced, with our programmed speaker Richard Twitchett describing mass extinctions (the latter very appropriate given the pandemic) and shark tooth research. This was a first, both for us and for Richard. Lucía Pérez Díaz followed in October (rearranged from May) with her story of oceanic plate movements. Some prospective speakers chose not to use online presentations, which is a position we can sympathise with as there is nothing quite like a live audience, nevertheless our programme evolved. Jonathan Paul joined us as planned in November with a talk on the impact of stratigraphy and structure on the London Underground and Malcolm Hart stood in at short notice in December with a talk on Jurassic calamari as a replacement for Chris Jackson who had to reschedule (to February 2021) due to an invitation from the Royal Institution to do the annual BBC Christmas lecture.

As we had capacity, we invited other local groups to join our December lecture and this has resulted in reciprocal invitations. This will continue in 2021.



The signage and information boards went in at Hill End in the Spring and we have received some queries from visitors over the summer. Haydon Bailey has produced a questionnaire for people who visit the site and a little handbook of fossils from the site, so visitors can identify what they find.

The HGS contribution to the virtual Festival of Geology was five films available on YouTube featuring the geology of Barkway, Berkhamsted, the Bourne Gutter, Hill End and Little Heath. Thanks to Janet Wright, Clive Maton, Haydon Bailey and Nick Pierpoint for making all these possible.

KENT GEOLOGISTS GROUP
www.kgg.org.uk

The year 2020 dealt us the strangest and saddest of circumstances. None of us have experienced the like, before. Cancellation of our Kent Geologists Group evening meetings commenced just before our AGM in March 2020 and has continued ever since.

Behind the scenes, efforts were made by cleverly minded people, to keep the Membership from losing interest. Zoom meetings were eventually set up by Ann Barrett our Evening Meetings Secretary and Duncan Stewart our Web Master and IT expert. Ann worked very hard to obtain speakers to complete our Zoom programme, as some prefer the face to face, in person approach to public speaking. We will of course have a chance to listen to those speakers, when we eventually resume our programme of meetings at the United Reformed Church hall, in Maidstone.

Our new secretary Grahame Godding, volunteered his services, much to our delight and quickly collated articles, kindly written by our members, for our latest newsletter, which was an excellent publication.

Unfortunately, due to Covid restrictions and GA and Government advice, we were only able to have one field meeting, in March 2020, just before Lockdown. Members of the KGG went to see the ephemeral, artesian fed, 'Nailbourne' stream that flows through the Elam Valley in Kent. It puts on a great show when it is at full strength.

We hope to resume with field meetings in the near future and have a provisional programme set up and ready for dates to be inserted.

We are very thankful for the help and support of all the Committee, for their combined efforts in 2020 and early 2021. We are happy to report that despite the difficult times our membership is staying fairly consistent and we have also welcomed some new members and have some new faces attending our recent Zooms. Many thanks to all for help and support and for the combined efforts in 2020.



The Nailbourne at Barham, Kent. Locals have to endure the flood for several months at a time

THE KIRKALDY SOCIETY
Alumni of Queen Mary College Geology Department

Chairman: Mr R A D Markham, Meetings Secretary: Mr M E Howgate, Acting Membership Secretary and Data Controller: Mr D A Greenwood, Newsletter Editor: Dr I Sims, Treasurer: Mr C Walker.

Since the main purpose of our Society is to maintain close direct contact between past staff and students of Geology at Queen Mary, University of London, our social activities were completely curtailed by the various lockdowns in 2020 although some members of the Committee did investigate possible locations for future field trips during the brief reduction in the restrictions. However our Newsletter, now in its 24th year, continues to flourish and it is hoped to return to our usual programme sometime in 2021.

LOCAL SOCIETIES PAGE AT THE VIRTUAL FESTIVAL OF GEOLOGY 2020

Local Society Stalls

explore

Amateur Geological Society A friendly society based in North London with regular field and lecture meetings. www.amgeosoc.org/press.htm	Bath Geological Society Bath Geological Society is an active and flourishing organisation holding regular field and lecture meetings. https://bathgeological.org.uk/	Berkshire Geoconservation Group A friendly group of geological enthusiasts who enjoy the geological outdoors. https://berkshiregeoconservation.org.uk/
Birkbeck Alumni 	Bucks Geology Group ...a small friendly group of keen geologists who run events to promote the geology of the county and Milton Keynes www.bucksgeology.org.uk/	Dorset GA Promoting the inland and coastal geology of Dorset, and the surrounding area, for all. www.dorsetga.org.uk/
Dorset DIGS We are part of a national network of largely county-based volunteer groups under Geoconservation UK. https://dorsdig.org/	East Herts Geological Society A friendly group that organises regular walks and talks to generally promote geological interest in East Hertfordshire and beyond. www.ehgs.org.uk	Essex Rock and Mineral Society ... promotes interest in rocks, minerals, fossils and all aspects of geology and has members throughout Essex and beyond. www.ermss.org

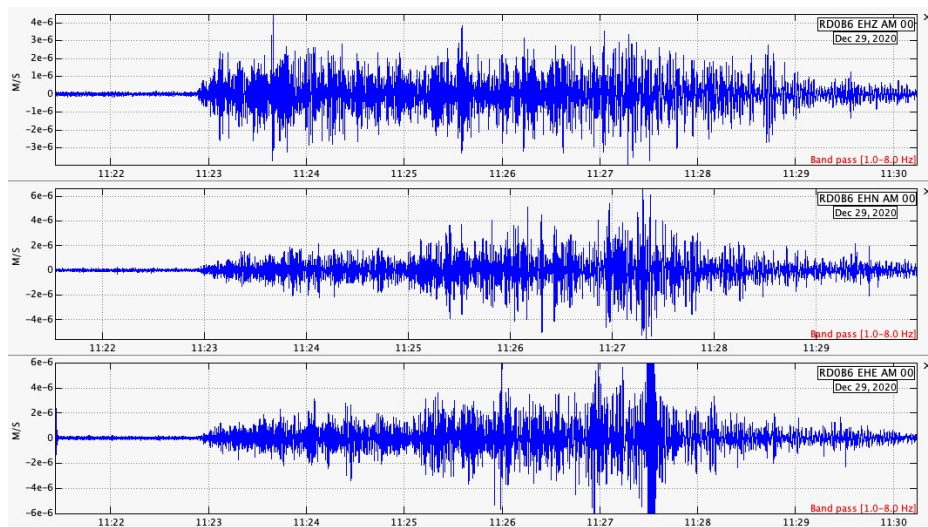
Ah, 2020! The year of lectures by Zoom, cancelled field trips, a delightful, socially-distanced Committee Meeting spread out in an open barn in the middle of the Surrey countryside at the height of August, and the start of MVGS seismic recordings. It won't be easy to forget 2020.

Things started well, with packed lectures in-person (remember those ?) on Iceland's volcanoes and Saturn's moons, after which our membership numbers peaked at over 100. All well and good, but by our March lecture on a meteorite impact on the Isle of Skye, the shadow of the pandemic was beginning to show, with a marked reduction in attendance. Our next event was planned to be an excursion to a supplier of decorative stone for walls, kitchens, bathrooms and the like but this had to be cancelled, of course, at the last minute allowing us to only forward links to the extraordinary catalogues of these rock suppliers: field trips with no field and no trip - as carried on by many in the GA's own *Geology From Your Sofa* series throughout the rest of the year.

April allowed us to dabble in electronic delivery of lectures, with a talk on Great Geologists given via 'GoToMeeting' with the assistance of Haliburton, which worked well, but we had to cancel our planned May event. However, by July we, like the rest of the world, had discovered Zoom and we managed to re-instate the rest of our lecture series for the year, with presentations on William Smith's fossils, Chalk Pits and their uses, the famous Krakatau eruption and the geomorphology of the Central Valley of Scotland, along with our AGM, all successfully delivered via Zoom. What we also discovered was that using Zoom enabled members who had moved away for whatever reason to still join in, and we regularly have people joining in from as far afield as South Africa, Germany and even Scotland! Of course, we quickly realised that it also gave us the opportunity to get speakers that would otherwise not be able to turn up to Dorking on a Thursday night and so there are at least some small benefits to the current situation.

The Big Event for the MVGS in 2020 was the arrival in June of a RaspberryShake seismometer from Panama, as previously reported in the December issue of the *GA Magazine*. This was generously supported by the GA's Curry Fund and has proven rather wonderful: picking up seismic events from as close as Leighton Buzzard and France, to as far away as the Pyrenees, the Aegean Sea, Iceland, the Mid-Atlantic Ridge and even Japan: however, no sign of any more Surrey earthquakes - at least for the moment...

Bring on 2021!



NORTH STAFFORDSHIRE GROUP OF THE GEOLOGISTS' ASSOCIATION

www.nsgga.org

Our 71st AGM was held on 12th March 2020 in the William Smith Building, Keele University just a few days before COVID 19 restrictions necessitated all subsequent meetings during the year being held online. The officers of the committee were re-elected to serve another year, but the position of vice-chair became vacant as Dr Stuart Egan had completed his term of office. Together with Stephen Addison he was elected to join the executive committee alongside the existing members. At the time of the AGM our NSGGA 61 memberships represented almost 80 individuals. The business meeting was followed by Peter Jones' Chair's Address on *The post-Carboniferous geological evolution of the Peak District*.

In January, Dr Jamie Pringle (Keele) gave a presentation *Sallywag Bunkers: Geophysical Investigations of WW2 Auxiliary Unit Operational Bases* and in February *The Evolution of Phytoplankton* was the topic of the lecture given by Dr Jim Riding (BGS). Since October, with the help of Dr Ian Stimpson, lectures have been presented online. Consequently, we have been able to reach a wider audience through providing access to our lectures for members of other groups and societies. We are grateful to other societies who have provided similar opportunities for our members and who have maintained a network for exchanging information of mutual interest. Dr Ian Stimpson's lecture on *The Geology of North Staffordshire and its Geothermal Energy Potential* attracted interest from across the region. This was followed, in November, by Dr Lucy Muir and Dr Joe Botting from Llandrindod Wells, giving the 20th Wolverston Cope Lecture. Their talk on *Exceptional fossil preservation in the Welsh Basin* had been keenly anticipated by members who had taken part in the field trip they had organised for us in 2019 and we were rewarded by some fascinating insights from their use of recently acquired microscope equipment.

Also in November, Janet and David Osborn attended the virtual Local Groups meeting of the GA and at the virtual Festival of Geology NSGGA had a 'stall' that linked through to our website.

Administration of this year's John Myers Awards for Keele University Geology students' projects had to move online. Generously Ann Myatt, John Myers' daughter, continues to part fund these awards. The winner and runner-up awards went to Daniel Sellers and Emma Smith in the MGeoscience category, and to Euan Malpas Vernon and Kieran Winfield for their BSc Geology projects.

In summer 2020 none of our planned field excursions could go ahead, but members were able to join together online in December for our annual Christmas Social when we enjoyed both a quiz and discussion of members' favourite or intriguing photographs.



We would like to thank all speakers and members for enabling us to continue to come together to enjoy and promote geology and we look forward to the time when we are able to resume meetings 'in person'.

READING GEOLOGICAL SOCIETY

www.readinggeology.org.uk

Along with all the other groups it has been a difficult year, and we had no idea what was in store for us all in January 2020. There have been many negatives, no face-to-face meetings since March, our September week-long field meeting to Edinburgh and our May long weekend to Sidmouth have been postponed to 2021 but with no guarantee of that happening. There have been positives with the Virtual GA Festival of Geology and the success of our Zoom lecture programme, which commenced in September.

We have about 65 members, and are encouraging them to stay as members by halving the fees for 2021 as we feel we are not able to offer the full benefits of being a member of RGS in normal times.

Our first meeting in 2020 was the AGM and members evening, in February and March we had excellent lectures from Dr Jon Robson and Dr Andy Bellamy but then we cancelled or postponed the lecture programme until September. Then we held four Zoom lectures from Dr Clive Edmonds, Dr Ian Selby, Prof David Rothery and Dr Sandy Heatherington, which attracted upward of 40 members. Our field meeting programme hardly started, we had our indoor workshop meeting in January and in February went to Hatford Quarry, Shellingford, Oxfordshire; thereafter the whole programme was cancelled or postponed.

Lockdown started and instead of publishing our usual Newsletter which primarily contains field meeting reports we circulated to members a more light-hearted circular called *Chunters*, 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 contact with our members. Zoom has been a great asset which we used initially for committee meetings and then lectures. We have increased co-operation with Farnham Geological Society and circulate our Zoom lectures link directly to each other; other societies are invited to email in for the link.

The GA Virtual Festival provided a challenge; a few of us, headed by Carole Gregory with Malcolm Butler on the technical side devised a presentation of a virtual field trip up the geological succession to various places that Reading had visited over the years. This was hard work and involved a "film crew" at our Local Geological Site proving the introduction and the conclusion. We felt that our presentation was well worth the effort and was a well-received contribution to the festival.

The RGS website proves invaluable for advertising, bringing in new members and reporting on our activities, thanks to Malcolm Butler, our webmaster. Ailsa Davies is chairman, and has the support of Hilary Jensen as secretary, Kit Brownlee and Roger York as treasurers along with Roger Hurley, David Ward, Carole Gregory, Alison Barraclough and Mike Ledger. We meet virtually and deal enthusiastically with the running of the society with great support from members. We are proud of our association with *SchoolRocks!* Lesson plans for this are written by Alison Barraclough and currently all boxes are produced by David Ward with help from other members of the society.



Picture of filming in Owl Pit, August 2020

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

This report covers 2020, a most exceptional year in view of the Covid-19 pandemic. As with all individuals and other organisations, our activities have been much reduced. We managed to hold our annual Holiday Geology and 2 lectures, in January and February, at Cardiff University with 13 members giving short presentations. A buffet lunch was held in the Paleo lab. We also held 2 face-to-face meetings: 25th January - *How to study the giant terrestrial fossil birds? A multidisciplinary approach* - Delphine Angst (41); 15th February - *Forensic tectonics: using landscapes and sediments to snoop on earthquakes in the past* - Daniel Hobley (33). Our AGM and Presidential address, scheduled for 21st March, was postponed and the meeting eventually took place via Zoom on 29th September. By then we had had some experience in holding lectures on line so were more confident in using the software. Thanks to our University and Museum Committee Members who facilitated this – in particular Lesley, John and Cindy for sharing their expertise in this matter!

Field trips had to be cancelled until the end of August. We then ran a field trip on 5th September to Caswell Bay on the Gower, led by Ian Prothero attended by 20 members. The return of tougher, localized, restrictions led to the cancellation of the final excursion of the year: another trip to Barry to be led by Chris Lee.

Indoor virtual talks: Dr Joe Botting from Llandrindod Wells spoke on 6th August about *Castle Bank: a new Konservat-Lagerstätte in Wales*. This was well attended (40) encouraging us to hold the first half of the winter programme in the same manner. Accordingly, we held Zoom lectures on: 19th October: *Cribarth: A view from your Desktop*, Alan Bowring (40); 21st November: *Devonian treasure hunt – searching for the lost Archaeopteris forest of Svalbard*- Chris Berry (51); 12th December: *A Geological Journey through the Highlands and Islands of Scotland* - James Cresswell (42). By agreement with the speakers most talks were recorded and made available on the Group's web site for up to two months after the talk. All the external events we normally attend with stalls, such as the Fforest Fawr Family Day and the National Trust at Tredegar House were cancelled but the parent GA did hold their Annual Festival of Geology in November, this time virtually. Our Group contributed a virtual field trip to Pembrokeshire. This is now permanently available on the website and we hope to expand the resource over time. The website has had a complete upgrade (a big thank you to Andy and Rhian Kendall). It is now full of information and links and includes field guides, walk leaflets, links to the Group's Archives as well as the usual items on upcoming events. All the Anniversary gifts have been distributed to members who were unable to collect in person.

Four Newsletters have been issued including a bumper 'lockdown special' in May, only distributed by email but containing contributions from many individuals – thanks to all those authors! These have been supplemented by picture and location quizzes – thank you Stephen!

The Committee has met 5 times. In addition to the normal business, several documents on safety with Covid were drawn up and have been distributed to members. We believe we have done our best to achieve the aims and objectives of the Group. We all hope for a better year in 2021.



St Non's Bay looking west to Carn Llidi

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 maintain our website. We have gained a few new members this year, even though the only events we were able to hold before the first lockdown were our January talk on *Wealden Iron* by Jeremy Hodgkinson (who stood in at short notice, thankfully), and our February AGM and talk by Andy Cosham on *His Life in Rocks*.

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 the 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 initially, and now send out both paper and electronic copies.

Our Zoom talks were *Geoconservation* by Colin Prosser in October, and *Svalbard* by David Bone in December, we also attended the GA's virtual Festival of Geology in November. We are still involved with the Worthing Heritage Association and will continue displays in Worthing Museum.

We moved to online committee meetings as soon as the first lockdown started, and have a full programme planned for 2021, albeit with the field trips in the first half of the year run by members, so these can be cancelled easily. We planned a weekend on the Isle of Wight for 2020, currently postponed to 2021.

While we missed meeting up in most of 2020, both at talks and in the field, we have adapted and kept active, and we have learnt new ways that we will continue when this is over. And the rocks will still be there...



Climbing Beach, near Littlehampton with chalk exposures on the foreshore after storms October 2020, taken at a socially distanced visit

TREASURER'S REPORT and FINANCIAL STATEMENT

1st January to 31st December 2020

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	2020 Total	2019 Total
Total net Assets	£494,203	£261,809	£1,477,638	£2,233,650	£2,228,157
Total income	£205,301	£66,711	£55,555	£327,567	£372,043
Total expenditure	£170,226	£47,375	£43,578	£261,179	£300,745

The principal sources of income are summarised on p5, and detailed on p8 of the accounts (below); the principal items of expenditure are summarised on p5, and detailed on p9 of the accounts.

The GA's total net assets increased by about 0.25%. Cost savings for the operational funds offset the decrease in the capital value of the investments of the Endowment funds. Total income decreased by about 12%.

Donations and bequests received during 2020 are listed below.

The GA has an investment portfolio of around £1.909M, 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.

The Covid-19 pandemic had a significant negative effect on international financial stock markets. Thus, the capital value of the portfolio decreased by about 4%; a decrease in equity values was partially off-set by an increase in the values of Government Stock and Corporate Bonds. Total investment income suffered a decrease of about 12%.

Principal financial risks and uncertainties: Income for the **General Fund** was threatened, particularly, on four fronts – the effects of a health pandemic (2020 - Covid-19), a decrease in membership subscriptions, and a decrease in income from the investment reserve 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 increased, low cost, outreach activities (Geolab, "Schoolrocks!", and "Geology from your Sofa").

General Fund: subscription income suffered a 10% reduction; investment income was similar to 2019; Gift Aid and Geology Today suffered a near 50% reduction – more apparent than real because of the "accruals" policy adopted in 2019. Similarly, an apparent gain of some £13,000 in publications sales "masks" Elsevier payments for the Proceedings of the Geologists' Association which includes £22,500 "accruals"; there was a near 40% decline in sales of Field Guides.

Overall, the General Fund managed a surplus of some £35,000; however, this includes "accruals" of £22,500 for the PGA, so that there was a creditable surplus of some £12,500.

Rockwatch benefitted from a near tripling of membership subscriptions due, in part, to late payment of 2019 subscriptions. The funding of the GA's junior group depends largely on donations, particularly from Equinor and Anglo-American, for which we congratulate Susan Brown for her fund raising efforts. We thank all our donors for their very generous donations.

Income to support Rockwatch depends upon major donations from industry. Thus, the principal risk for Rockwatch is the loss of corporate support. A substantial reserve has been built to help mitigate this risk and is sufficient to fund normal activities for almost 4 years. Income exceeded expenditure by some £9,000; thus, Rockwatch continued to strengthen its position to offset the reduction or loss of corporate sponsorship.

Earth Heritage Magazine (EH Fund) income depends on support from Natural England, Scottish Natural Heritage, the Quaternary Research Association and the GA. These contributions depend upon funds available to the respective organisations. Dividends from the Fund's investment portfolio are making an increasingly significant contribution.

The GA has established a reserves policy for the 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 of £356,000 represented 2 years normal expenditure, the Rockwatch reserve of £145,500 equates to almost 4 years normal expenditure, the Earth Heritage Fund reserve of £24,000 represents about 6 years normal expenditure.

The General (£35,000), Rockwatch (£9,000) and Earth Heritage Funds (£5,400) showed a surplus (positive cash flow) for 2020; (p5 of the accounts provides a summary, details on pages 8, 9, 13).

Publications: royalties received for the PGA were £41,813 (2019: £43,204); income from "Geology To-Day" (jointly owned with the Geological Society of London and publisher Wiley) was £12,086 (2019: £12,886). Sales of Geological Field Guides were £6,540 (2019: £11,451); the significant decrease was primarily due to Covid-19 restrictions preventing field excursions. 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 To-Day 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 2020. 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 and the Quaternary Research Association, the GA published two volumes of Earth Heritage Magazine (free, on-line, dedicated to Geo-conservation).

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 £10,200 to 15 recipients (2019: £14,275 to 26 recipients). The Curry Fund provided some £22,000 grants (2019 £27,000); the reduction represented prudent management, in line with the reduction in income to £25,200 (2019 £33,400).

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 2020 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 2020, 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 consequences and restrictions:

In line with Government advice, GA staff worked from home, meetings of the Council of Trustees, committee meetings, monthly lectures and the Festival of Geology were held via web conferencing communication. The GA's conferences and outdoor field trips were cancelled.

The world's stock markets have largely recovered from the major write-down experienced early in the year. By end 2020 the GA's investment portfolio had suffered a reduction of some 4%; the income from the investments was reduced 12%.

The GA has sufficient resources to maintain its prime functions through 2021 and 2022. 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) 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 (eg Field Guide publications). In support, so far, subscription receipts for 2021 are in line with those of 2020 and the production and distribution of our publications is unaffected.

*Dr Graham M Williams,
Honorary Treasurer*

ANNUAL ACCOUNTS

The accounts for 2020 appear at the end of this report.

DONATIONS, LEGACIES & SPONSORSHIP	
GA	ROCKWATCH
DONATIONS:	
Elsevier - £2,000	Equinor - £16,000
H Champion - £5,000	Anglo-American - £16,500
L Gardner - £55	
BEQUESTS:	
Anon via David Feldman SA - £3,758	
L Ward - £5,000	

THE GEOLOGISTS' ASSOCIATION
FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2020
CHARITY NO. 233199

Prepared by:

Maurice Whiteley BSc FCA FCII CTA

Chartered Accountant

THE GEOLOGISTS' ASSOCIATION

FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 DECEMBER 2020

Registered Charity No: 233199

REFERENCE AND ADMINISTRATIVE INFORMATION

Headquarters

Burlington House
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W1J 0DU

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Lloyds Bank Plc
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PO Box 1000
BX1 1LT

The Royal Bank of Scotland Plc
Western Branch
60 Conduit Street
London
W1S 2GA

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

The Curry Fund
Barclays Bank Plc
Leicester
LE87 2BB

Auditors

Simpkins Edwards LLP
Michael House
Castle Street
Exeter
EX4 3LQ

THE GEOLOGISTS' ASSOCIATION

FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 DECEMBER 2020

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STATEMENT OF COUNCIL RESPONSIBILITIES AND DISCLOSURE TO AUDITOR FOR THE FINANCIAL STATEMENTS YEAR ENDED 31 DECEMBER 2020

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 the incoming resources and application of resources of the charity for that period.

In preparing the financial statements the trustees are required to:

- select suitable accounting policies and then apply them consistently;
- observe the methods and principles in the charity's SORP;
- make judgements and estimates that are reasonable and prudent;
- state whether applicable accounting standards have been explained in the financial statements;
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the charity will continue in operation.

The trustees are responsible for keeping proper accounting records, which 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 and 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.

In so far as the trustees are aware:

- there is no relevant audit information of which the charity's auditors are unaware, and
- the trustees have taken all steps that they ought to have taken to make themselves aware of any relevant audit information and to establish that the auditors are aware of that information.

**INDEPENDENT AUDITOR'S REPORT TO THE TRUSTEES OF THE GEOLOGISTS' ASSOCIATION
FOR THE YEAR ENDED 31 DECEMBER 2020**

Opinion

We have audited the financial statements of The Geologists Association (the 'charity') for the year ended 31 December 2020 which comprise the statement of financial activities, the balance sheet and the notes to the financial statements, including a summary of significant accounting policies. The financial reporting framework that has been applied in their preparation is applicable law and United Kingdom Accounting Standards, including Financial Reporting Standard 102 The Financial Reporting Standard applicable in the UK and Republic of Ireland (United Kingdom Generally Accepted Accounting Practice).

In our opinion, the financial statements:

- give a true and fair view of the state of the charity's affairs as at 31 December 2020 and of its incoming resources and application of resources, for the year then ended;
- have been properly prepared in accordance with United Kingdom Generally Accepted Accounting Practice; and
- have been prepared in accordance with the requirements of the Charities Act 2011.

Basis for opinion

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

Conclusions relating to going concern

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

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

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

Other information

The other information comprises the information included in the annual report other than the financial statements and our auditor's report thereon. The trustees are responsible for the other information contained within the annual report. Our opinion on the financial statements does not cover the other information and we do not express any form of assurance conclusion thereon. Our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the financial statements or our knowledge obtained in the course of the audit, or otherwise appears to be materially misstated. If we identify such material inconsistencies or apparent material misstatements, we are required to determine whether this gives rise to a material misstatement in the financial statements themselves. If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact. We have nothing to report in this regard.

Matters on which we are required to report by exception

In the light of the knowledge and understanding of the Charity and its environment obtained in the course of the audit, we have not identified material misstatements in the Trustees' Annual Report.

We have nothing to report in respect of the following matters in relation to which the Charities Act 2011 requires us to report to you if, in our opinion:

- sufficient accounting records have not been kept;
- the financial statements are not in agreement with the accounting records and returns; or
- we have not obtained all the information and explanations necessary for the purposes of our audit.

**INDEPENDENT AUDITOR'S REPORT TO THE TRUSTEES OF THE GEOLOGISTS' ASSOCIATION
FOR THE YEAR ENDED 31 DECEMBER 2020**

Responsibilities of the trustees

As explained more fully in the trustees' responsibilities statement (set out on the first page of the financial statements), 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 they determine is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

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

Auditor's responsibilities for the audit of the financial statements

We have been appointed as auditor under section 144 of the Charities Act 2011 and report in accordance with the Act and relevant regulations made or having effect thereunder.

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

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.

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
Statutory Auditor
Michael House
Castle Street
Exeter EX4 3LQ

Date: 6 April 2021.

Simpkins Edwards LLP is eligible to act as an auditor in terms of section 1212 of the Companies Act 2006.

THE GEOLOGISTS' ASSOCIATION
(INCLUDING THE CURRY FUND)

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BALANCE SHEET
AS AT 31 DECEMBER 2020

	Notes	£	2020 £	£	2019 £
FIXED ASSETS					
Fixtures and Fittings	6		925		465
INVESTMENTS					
Unrestricted Fund - General		356,028		352,802	
Restricted Funds		168,158		180,947	
Endowment Funds		1,384,562		1,458,912	
	7		1,908,748		1,992,661
CURRENT ASSETS					
Stock	8	35,723		39,500	
Debtors and Prepayments	9	56,651		51,397	
Bank and cash	10	341,880		302,442	
			434,254		393,339
CURRENT LIABILITIES					
Creditors due within one year	11		(110,277)		(98,308)
NET ASSETS					
			2,233,650		2,288,157
REPRESENTED BY:					
Unrestricted Fund - General	12/13		494,203		466,902
Restricted Funds	12/13		261,809		254,262
Endowment Funds	12/13		1,477,638		1,566,993
			2,233,650		2,288,157

Approved by the Council on 6 April 2021 and signed on their behalf by:

Vanessa Banks

Dr Graham Williams



President



Honorary Treasurer

STATEMENT OF FINANCIAL ACTIVITIES
YEAR ENDED 31 DECEMBER 2020

	Notes	Unrestricted General Fund £	Restricted Funds £	Endowment Funds £	Total 2020 £	Total 2019 £
Income						
Subscriptions, donations and legacies		58,440	59,272	8,758	126,470	141,716
Trading activities		12,809	-	-	12,809	25,386
Investment income		11,924	5,808	46,797	64,529	76,049
Charitable activities		122,128	1,631	-	123,759	128,892
Total income	3	205,301	66,711	55,555	327,567	372,043
Expenditure						
Charitable expenditure		166,886	47,375	43,578	257,839	297,820
Other		3,340	-	-	3,340	2,925
Total expenditure	4	170,226	47,375	43,578	261,179	300,745
Net incoming and movement in funds before gains and losses on investments and interfund transfers		35,075	19,336	11,977	66,388	71,298
Gains/(losses) on investments 7		3,226	(12,789)	(111,332)	(120,895)	164,024
Transfers between funds		(11,000)	1,000	10,000	-	-
Net movement in funds		27,301	7,547	(89,355)	(54,507)	235,322
Total funds brought forward	12	466,902	254,262	1,566,993	2,288,157	2,052,835
Total funds carried forward	12	494,203	261,809	1,477,638	2,233,650	2,288,157

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

All income and expenditure derive from continuing activities.

**NOTES FORMING PART OF THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2020**

1 ACCOUNTING POLICIES

The Geologists' Association is registered as an unincorporated charity in England and Wales, and constitutes a public benefit as defined by FRS 102.

The principal address of the charity is: Burlington House, Piccadilly, London W1J 0DU.

a) Basis of accounting

The financial statements have been prepared on the basis of the historic cost convention at cost or transaction value, except property and investments which are shown at fair value in accordance with:

- Statement of Recommended Practice: Accounting and Reporting by Charities (FRS 102); and Update Bulletin 1 (including the exemption from the need to prepare a cashflow statement);
- And with the Financial Reporting Standard applicable in the United Kingdom and Republic of Ireland (FRS 102);
- And with the Charities Act 2011.
- And with Accounting Standards (UK Generally Accepted Practice) as applied from 1 January 2015

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.

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 £.

b) Income**Subscriptions, donations and legacies**

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.

Trading activities

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'.

Investment income

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

Charitable activities

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

c) 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.

**NOTES FORMING PART OF THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2020**

1 ACCOUNTING POLICIES (continued)

d) Gains/(losses) on investments

Realised and unrealised gains and losses on the revaluation and disposal of investment assets are included in the statement of financial activities as "gains/(losses) on investments". They are split according to the fund concerned (see note 11). The breakdown of the split between realised and unrealised profits/(losses) can be found in note 6.

Investments are initially valued at fair value based on a market value derived from a quoted stock market price.

e) Assets and liabilities

These are included in the balance sheet at the following amounts:

Fixed assets at cost less an appropriate provision for depreciation.

Investments at fair value (see below).

Current assets at the lower of cost and net realisable value, including bank balances held in deposit accounts.

Financial liabilities at their settlement value

f) Tangible fixed assets

Depreciation is provided on all tangible fixed assets, at rates calculated to write off the cost, less estimated residual value, of each asset over its expected useful life, as follows:

Fixtures, fittings and equipment

20% per annum on reducing balance basis

g) Investments

Investments are valued at fair value based on a market value derived from a quoted stock market price.

h) Stocks

Stocks of books are valued at the lower of cost and net realisable value.

i) Unrestricted funds

The unrestricted funds of the charity consist of general funds that the charity may use at its own discretion – see note 11.

j) Restricted funds

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. Details of restricted funds are found in note 11 to the financial statements.

k) Endowment funds

Endowment funds are those funds from which only the income may be used in furtherance of the Association's charitable purposes. Details of specific endowment funds are found in note 11 to the financial statements.

l) Basic financial instruments

The charity only has financial assets and liabilities of a kind that qualify as basic financial instruments.

Basic financial investments are initially recognised at transaction value and subsequently measured at their settlement value.

**NOTES FORMING PART OF THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2020**

l) Basic 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 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.

Derecognition of financial liabilities

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

m) Employee benefits

The cost of any unused holiday entitlement is recognised in the period in which the employee's services are received.

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.

**NOTES FORMING PART OF THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2020**

3 INCOME 2020	Unrestricted General Fund £	Restricted Funds £	Endowment Funds £	Total 2020 £	Total 2019 £
<i>Subscriptions, donations and legacies:</i>					
Annual subscriptions	49,519	11,824	-	61,343	59,131
Gift Aid	8,865	1,348	-	10,213	17,724
Donations, bequests and sponsorship	56	46,100	8,758	54,914	64,861
	58,440	59,272	8,758	126,470	141,716
<i>Trading activities:</i>					
'Geology Today' profit share	12,809	-	-	12,809	25,386
<i>Investment income</i>	11,924	5,808	46,797	64,529	76,049
<i>Charitable activities:</i>					
Sales of publications	81,208	-	-	81,208	68,113
Group payments for insurance	9,149	-	-	9,149	10,791
Field meetings	31,073	1,373	-	32,446	35,213
Miscellaneous income	698	258	-	956	5,116
GA Student Conference	-	-	-	-	2,809
GA Annual Conference	-	-	-	-	5,869
GA Festival of Geology	-	-	-	-	981
	122,128	1,631	-	123,759	128,892
Total income	205,301	66,711	55,555	327,567	372,043
INCOME 2019					
<i>Subscriptions, donations and legacies</i>					
Annual subscriptions	55,046	4,085	-	59,131	
Gift Aid	15,176	2,548	-	17,724	
Donations, bequests and sponsorship	2,371	43,650	18,840	64,861	
	72,593	50,283	18,840	141,716	
<i>Trading activities:</i>					
'Geology Today' profit share	25,386	-	-	25,386	
<i>Investment income</i>	13,100	6,988	55,961	76,049	
<i>Charitable activities:</i>					
Sales of publications	68,113	-	-	68,113	
Group payments for insurance	10,791	-	-	10,791	
Field meetings	27,126	8,087	-	35,213	
Miscellaneous income	4,896	220	-	5,116	
GA Student Conference	2,809	-	-	2,809	
GA Annual Conference	5,869	-	-	5,869	
GA Festival of Geology	981	-	-	981	
	120,585	8,307	-	128,892	
Total income	231,664	65,578	74,801	372,043	

**NOTES FORMING PART OF THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2020**

4 EXPENDITURE 2020

	Unrestricted General Fund £	Restricted Funds £	Endowment Funds £	Total 2020 £	Total 2019 £
Charitable expenditure:					
Publications:					
Printing and Production Costs	40,616	18,936	-	59,552	58,049
Office Costs	17,511	-	-	17,511	17,204
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	58,127	18,936	-	77,063	75,253
Other costs:					
Grants, Awards and Subvention	-	475	37,304	37,779	61,841
Salaries	63,862	-	-	63,862	62,912
Officers' Expenses	989	-	49	1,038	3,252
Office Expenses	22,704	-	3,188	25,892	23,846
Less: Charged to Publications (17,511)	-	-	-	(17,511)	(17,204)
Less: Curry Fund contribution (3,188)	-	-	-	(3,188)	(3,188)
Less: Rockwatch contribution (10,301)	-	-	-	(10,301)	(10,284)
Administrative Expenses of Rockwatch	-	18,308	-	18,308	15,207
Meetings and Functions	5,457	-	-	5,457	19,392
GA Annual Conference	190	-	-	190	3,573
GA Festival of Geology	-	-	-	-	4,769
GA Student Conference	-	-	-	-	-
Stationery and Printing	1,065	-	-	1,065	2,264
Depreciation of Equipment	231	-	-	231	116
Accountancy	2,400	-	360	2,760	2,651
Insurance for Groups	9,574	-	-	9,574	11,444
Insurance	1,712	-	-	1,712	1,640
Bank Charges	850	-	-	850	674
Miscellaneous	1,801	-	73	1,874	3,415
Field Meetings	28,924	1,780	-	30,704	35,122
Advertising	-	-	-	-	-
Website	-	7,876	2,604	10,480	1,125
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	166,886	47,375	43,578	257,839	297,820
Other:					
Audit	3,340	-	-	3,340	2,925
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Total Expenditure	<hr/> 170,226	<hr/> 47,375	<hr/> 43,578	<hr/> 261,179	<hr/> 300,745

NOTES FORMING PART OF THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2020

4 EXPENDITURE 2019

	Unrestricted General Fund £	Restricted Funds £	Endowment Funds £	Total 2019 £
Charitable expenditure:				
Publications:				
Printing and Production Costs	41,237	16,812	-	58,049
Office Costs	17,204	-	-	17,204
	<hr/>	<hr/>	<hr/>	<hr/>
	58,441	16,812	-	75,253
Other costs:				
Grants, Awards and Subvention	-	3,225	58,616	61,841
Salaries	62,912	-	-	62,912
Officers' Expenses	2,450	-	802	3,252
Office Expenses	20,658	-	3,188	23,846
Less: Charged to Publications (17,204)	-	-	-	(17,204)
Less: Curry Fund contribution (3,188)	-	-	-	(3,188)
Less: Rockwatch contribution (10,284)	-	-	-	(10,284)
Administrative Expenses of Rockwatch	-	15,207	-	15,207
Meetings and Functions	15,855	2,792	745	19,392
GA Annual Conference	3,573	-	-	3,573
GA Festival of Geology	4,769	-	-	4,769
GA Student Conference	-	-	-	-
Stationery and Printing	2,264	-	-	2,264
Depreciation of Equipment	116	-	-	116
Accountancy	2,291	-	360	2,651
Insurance for Groups	11,444	-	-	11,444
Insurance	1,640	-	-	1,640
Bank Charges	674	-	-	674
Miscellaneous	3,195	-	220	3,415
Field Meetings	24,581	10,541	-	35,122
Advertising	-	-	-	-
Website	1,125	-	-	1,125
	<hr/>	<hr/>	<hr/>	<hr/>
	185,312	48,577	63,931	297,820
Other:				
Audit	2,925	-	-	2,925
	<hr/>	<hr/>	<hr/>	<hr/>
Total Expenditure	<hr/> 188,237	<hr/> 48,577	<hr/> 63,931	<hr/> 300,745

**NOTES FORMING PART OF THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2020**

5 STAFF COSTS, TRUSTEES' REMUNERATION AND EXPENSES

	2020 £	2019 £
Salaries	57,748	56,156
Social Security Costs - Employer's NI	1,575	2,315
Employer's Pension Contributions	4,539	4,441
	<hr/> 63,862	<hr/> 62,912
Geologists Association	50,373	49,440
Rockwatch contribution towards salaries	10,301	10,284
Curry Fund contribution towards salaries	3,188	3,188
	<hr/> 63,862	<hr/> 62,912

The Geologists' Association employs 2 staff in administration (2019: 2 staff). No member of staff earns more than £60,000 per annum.

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 2020, officers' expenses reimbursed totalled £1,038 (2019: £3,252).

6 FURNITURE, FITTINGS AND EQUIPMENT

	£
Cost at 1 January 2020	33,118
Additions	691
	<hr/> 33,809
Cost at 31 December 2020	33,809
Depreciation at 1 January 2020	32,653
Charge for year	231
	<hr/> 32,884
Depreciation at 31 December 2020	32,884
Net Book Value at 31 December 2020	<hr/> 925
Net Book Value at 31 December 2019	<hr/> 465

**NOTES FORMING PART OF THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2020**

7	INVESTMENTS	Market Value	
		2020	2019
	Cost £	£	£
General Fund	260,249	356,028	352,802
Restricted Funds			
Rockwatch	139,967	145,511	156,039
Earth Heritage Fund	24,237	22,647	24,908
	164,204	168,158	180,947
Endowment Funds			
Curry Fund	not known	780,001	841,800
Other Endowment Funds			
Foulerton Award	13,400	16,574	17,470
Henry Stopes Memorial Fund	3,554	3,611	3,659
G W Young Fund	23,304	21,900	26,142
Baker-Arber Fund	7,000	17,448	16,398
Halstead Fund	10,000	10,114	10,108
Richardson Fund	14,991	16,099	5,305
Middlemiss Fund	13,600	18,030	20,510
Japec Fund	70,239	94,062	109,002
Wyley Fund	182,251	232,140	243,098
Tupper Fund	64,697	89,218	101,331
Callomon-Porter Fund	37,394	38,470	36,521
UKOGL	25,231	23,947	27,568
Palaeontological Fund	21,991	22,948	-
	487,652	604,561	617,112
Total investments	912,105	1,908,748	1,992,661

The investments summarised above are listed on a recognised stock exchange. A detailed summary of these investments can be found in the notes accompanying the statutory financial statements.

Investment reconciliation	2020 £	2019 £
Market value at 1 January	1,992,661	1,823,406
Acquisitions during the year	49,055	17,363
Sales during the year	(12,073)	(12,132)
Realised profits/(losses) on investments	317	807
Unrealised profits/(losses) on investments	(121,212)	163,217
Market value at 31 December	1,908,748	1,992,661

8	STOCK	2020 £	2019 £
	Stock of guide books	35,723	39,500

**NOTES FORMING PART OF THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2020**

9

DEBTORS AND PREPAYMENTS

2020

2019

£

£

Debtors and prepayments

50,850

45,372

VAT recoverable

2,441

2,665

Loans outstanding

3,360

3,360

56,651

51,397

10

BANK AND CASH

2020

2019

£

£

The Royal Bank of Scotland: General Fund

18,803

41,474

Rockwatch

1,718

2,297

Barclays Bank Plc Curry Fund

30,972

33,857

Charities Deposit Fund: Curry Fund

47,301

47,177

Rockwatch

48,948

48,820

Hargreaves Lansdown Asset Management Ltd

5,490

11,764

Lloyds Bank General Fund

142,538

81,246

Lloyds Bank Rockwatch

46,110

35,929

Cash in hand

-

(122)

341,880

302,442

11

CREDITORS DUE WITHIN ONE YEAR

2020

2019

£

£

Subscriptions in Advance

33,487

27,665

Creditors and Accruals

47,506

39,056

Grants payable

29,284

31,587

110,277

98,308

12

RESERVES

Opening Balance

Income

Expenditure

Gains /(losses) on Investments

Transfers

Closing Balance

£

£

£

£

£

£

Unrestricted Fund

General Fund

466,902

205,301

(170,226)

3,226

(11,000)

494,203

The general fund consists of those funds available to the charity for general purposes.

Restricted Funds

Rockwatch

227,337

52,387

(43,010)

(10,528)

-

226,186

Earth Heritage Fund

26,925

9,324

(3,890)

(2,261)

1,000

31,098

Champion Fund

-

5,000

(475)

-

-

4,525

254,262

66,711

(47,375)

(12,789)

1,000

261,809

The general fund consists of those funds available to the charity for general purposes.

**NOTES FORMING PART OF THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2020**

12 RESERVES (continued)

Restricted Funds (continued)

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.

Endowment Funds

a) Curry Fund	Opening Balance	Gains/(losses) on				Closing Balance
	£	Income £	Expenditure £	Investments £	Transfers £	£
Curry Fund: Capital Fund	841,828	-	-	(61,799)	-	780,029
Income Fund	52,877	25,248	(25,780)	-	-	52,345
	<u>894,705</u>	<u>25,248</u>	<u>(25,780)</u>	<u>(61,799)</u>	<u>-</u>	<u>832,374</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.

b) Endowment Trust Funds	Opening Balance	Gains/(losses) on				Closing Balance
	£	Income £	Expenditure £	Investments £	Transfers £	£
Foulerton Award	19,153	713	(500)	(896)	-	18,470
Henry Stopes Memorial	4,715	151	-	(48)	-	4,818
G W Young Fund	23,105	1,063	-	(4,242)	-	19,926
Baker-Arber Fund	17,497	502	132	1,050	-	19,181
Halstead Fund	12,706	389	(1,499)	6	-	11,602
Richardson Fund	6,328	238	(500)	803	10,000	16,869
Middlemiss Fund	22,362	384	-	(2,480)	-	20,266
Japex Fund	120,527	3,475	(3,191)	(14,940)	-	105,871
Tupper Fund	107,781	3,152	(2,000)	(12,113)	-	96,820
UKOGL	29,343	1,022	(1,200)	(3,621)	-	25,544
Palaeontological Fund	18,840	3,758	-	957	-	23,555
	<u>382,357</u>	<u>14,847</u>	<u>(8,758)</u>	<u>(35,524)</u>	<u>10,000</u>	<u>362,922</u>

**NOTES FORMING PART OF THE FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2020**

12. RESERVES (continued)

The above 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.

c) General Endowment Funds

	Opening Balance £	Income £	Expenditure £	Gains/(losses) on Investments £	Transfers £	Closing Balance £
Wyley Fund	252,226	8,680	(8,590)	(10,958)	-	241,358
Callomon – Porter Fund	37,705	6,780	(450)	(3,051)	-	40,984
	<u>289,931</u>	<u>15,460</u>	<u>(9,040)</u>	<u>(14,009)</u>	<u>-</u>	<u>282,342</u>

The Wyley and Callomon-Porter 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.

Total Endowment Funds	<u>1,566,993</u>	<u>55,555</u>	<u>43,578</u>	<u>(111,332)</u>	<u>10,000</u>	<u>1,477,638</u>
Total Funds	<u>2,288,157</u>	<u>327,567</u>	<u>261,179</u>	<u>(120,895)</u>	<u>-</u>	<u>2,233,650</u>

13. ANALYSIS OF NET ASSETS BETWEEN FUNDS

	Unrestricted General fund £	Restricted funds £	Endowment funds £	Total 2020 £	Total 2019 £
Fixed assets	925	-	-	925	465
Investments	356,028	168,158	1,384,562	1,908,748	1,992,661
Current assets	253,376	96,776	84,102	434,254	393,339
Current liabilities	(73,586)	(7,047)	(29,644)	(110,277)	(98,308)
Inter-fund balance	(42,540)	3,922	38,618	-	-
	<u>494,203</u>	<u>261,809</u>	<u>1,477,638</u>	<u>2,233,650</u>	<u>2,288,157</u>

14. RELATED PARTIES

There have been no transactions with related parties to the Association during the year.

SCHEDULE TO THE FINANCIAL STATEMENTS
THE CURRY FUND
BALANCE SHEET
AS AT 31 DECEMBER 2020

	Notes	£	2020	£	£	2019	£
INVESTMENTS							
Schroders Charities:							
The Charity Equity Fund A Income Units		333,612				379,552	
The Income Trust for Charities A Income Units		288,698				285,483	
Black Rock Charinco Income Units		1,250				1,213	
Artemis Income Retail Income Units		28,929				32,182	
City of London Investment Trust 25p ord. shares		42,735				51,195	
Invesco Perpetual Corporate Bond Class Y		20,775				19,855	
Murray Income Trust plc 25p ord. shares		24,945				26,931	
Murray International Trust 25p ord. shares		3,682				4,117	
Royal London AM Corporate Bond Trust		11,606				11,128	
Royal London AM Sterling Extra Yield Bond		13,308				13,956	
Temple Bar Investment Trust 25p ord. shares		10,461				16,188	
				780,001			841,800
CURRENT ASSETS							
Tax Repayable		864				864	
Charities Deposit Fund		47,301				47,177	
Barclays Community Account		4,450				3,832	
Barclays Business Saver Account		26,522				30,027	
HLAM Ltd Dealing Account		-				-	
HLAM Ltd Income Account		1,355				1,428	
Loans Outstanding		3,360				3,360	
Sundry Debtor		250				249	
				84,102		86,937	
CURRENT LIABILITIES							
Creditors and Accruals		360				360	
Grants Committed		29,284				31,587	
Due to The Geologists' Association		2,085				2,085	
				31,729		34,032	
NET CURRENT ASSETS							
				52,373			52,905
REPRESENTING:							
Restricted Funds:							
Capital Fund	11(a)			780,029			841,828
Income Fund	11(a)			52,345			52,877
	11(a)			832,374			894,705

**SCHEDULE TO THE FINANCIAL STATEMENTS
THE CURRY FUND**

	Note	Restricted Income Fund £	Endowment Capital Fund £	Total 2020 £	Total 2019 £
Incoming resources					
<i>Investment income</i>					
Income received from Investments		25,100	-	25,100	33,105
Charities Deposit		124	-	124	267
Barclays Bank		24	-	24	69
Donations and Bequests		-	-	-	-
Miscellaneous income		-	-	-	-
		<hr/>	<hr/>	<hr/>	<hr/>
Total incoming resources		25,248	-	25,248	33,441
		<hr/>	<hr/>	<hr/>	<hr/>
Resources expended					
<i>Charitable expenditure</i>					
Grants – Paid and Committed		17,133	-	17,133	26,067
MSc Prize		2,000	-	2,000	2,000
Towards the Printing of The Geologists'					
Association's Guides		2,977	-	2,977	2,959
Office administration		3,188	-	3,188	3,188
Officer expenses		49	-	49	802
Accountancy		360	-	360	360
Meeting expenses		-	-	-	745
Sundry		73	-	73	220
		<hr/>	<hr/>	<hr/>	<hr/>
Net resources expended		25,780	-	25,780	36,341
		<hr/>	<hr/>	<hr/>	<hr/>
Net incoming resources		(532)	-	(532)	(2,900)
		<hr/>	<hr/>	<hr/>	<hr/>
Other recognised gains/(losses)		-	(61,799)	(61,799)	47,601
		<hr/>	<hr/>	<hr/>	<hr/>
Net movement of funds		(532)	(61,799)	(62,331)	44,701
Total funds brought forward	11(a)	52,877	841,828	894,705	850,004
		<hr/>	<hr/>	<hr/>	<hr/>
Total funds carried forward	11(a)	52,345	780,029	832,374	894,705
		<hr/>	<hr/>	<hr/>	<hr/>

THE GEOLOGISTS' ASSOCIATION
SCHEDULE TO THE FINANCIAL STATEMENTS

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FOR THE YEAR ENDED 31 DECEMBER 2020
PUBLICATIONS ACCOUNT

	2020 £	2019 £
Proceedings		
Elsevier Payment	74,318	53,204
Expenditure During Year:-		
Printing and Production Costs	23,841	26,079
Proportion of Office Costs (15% of £17,511)	2,627	2,581
	26,468	28,660
Net Surplus on Proceedings	47,850	24,544
Guides		
Sales	6,540	11,451
Donation	-	-
Curry Fund Subvention	-	2,959
	6,540	14,410
Opening Stock	39,500	38,395
Expenditure During Year:-		
Printing and Production Costs including Storage	1,530	5,348
Proportion of Office Costs (60% of £17,511)	10,506	10,322
	51,536	54,065
Less:-		
Closing Stock	35,723	39,500
	15,813	14,565
Net Cost/Surplus on Guides	(9,273)	(155)
Circulars and Magazines		
Advertising Revenue	350	500
Expenditure During Year:-		
Printing, Production and Distribution Costs	11,468	10,915
Proportion of Office Costs (25% of £17,511)	4,378	4,301
	15,846	15,216
Net (Cost) of Circulars	(15,496)	(14,716)
Net Surplus of Publications	23,081	9,673

THE GEOLOGISTS' ASSOCIATION
DETAILED SCHEDULE OF INVESTMENTS HELD BY ASSOCIATION
YEAR ENDED 31 DECEMBER 2020

		MARKET VALUE		
Holding		Cost £	2020 £	2019 £
GENERAL FUND				
5,056.87	COIF Charities Investment Fund Income Units	10,083	91,081	85,606
14,540.27	COIF Charities Fixed Interest Fund Inc. Units	18,850	20,673	20,000
56,550.08	COIF Charities Fixed Interest Fund Inc. Units	75,000	80,402	77,784
2,546.11	Black Rock Fund Managers Charinco Inc. Units	2,952	5,016	4,866
27,143.18	Invesco Perpetual Distribution Fund Income Shares	16,000	16,660	17,059
26,717.55	Invesco Perpetual Monthly Inc.Plus.Inc.Units	29,381	28,465	28,126
41,331.44	Invesco Perpetual Corporate Bond Income Units	35,011	39,600	37,657
3,766.00	Murray Income Trust plc 25p Ord. Shares	26,995	31,220	33,706
773.00	Murray International Trust plc 25p Ord Shares	7,995	8,704	9,732
6,291.29	Royal London Corporate Bond Trust Class A Inc.Units	6,000	6,593	6,348
26,594.18	HL Multi-Manager Income and Growth Trust Inc Units	26,982	22,983	27,115
6,366.18	Artemis High Income Fund Class R Q Dist	5,000	4,631	4,803
		260,249	356,028	352,802
FOULERTON AWARD				
634.96	Black Rock Fund Managers Charinco Inc. Units	900	1,250	1,213
211.92	COIF Charities Investment Fund Income Units	2,000	3,816	3,587
1,233.00	City of London Investment Trust 25p Ord. Shares	3,000	4,562	5,465
9,549.28	Artemis High Income Fund Class R Q Dist	7,500	6,946	7,205
		13,400	16,574	17,470
HENRY STOPES MEMORIAL FUND				
658.10	Black Rock Fund Managers Charinco Inc. Units	1,054	1,296	1,257
3,183.09	Artemis High Income Fund Class R Q Dist	2,500	2,315	2,402
		3,554	3,611	3,659
G W YOUNG FUND				
863.25	Black Rock Fund Managers Charinco Inc. Units	1,492	1,700	1,649
1,006.00	Edinburgh Investment Trust 25p Ord. Shares	6,754	5,472	6,312
1,556.00	HICL Infrastructure Company Ltd 0.01p Ord. Shares	2,373	2,691	2,653
641.00	Murray International Investment Trust plc 25p Ord.	6,599	7,217	8,070
505.00	Temple Bar Investment Trust plc 25p Ord. Shares	6,086	4,820	7,458
		23,304	21,900	26,142
BAKER-ARBER FUND				
438.95	COIF Charities Investment Fund Income Units	2,000	7,906	7,430
529.79	COIF Charities Investment Fund Income Units	5,000	9,542	8,968
		7,000	17,448	16,398
HALSTEAD FUND				
3,856.83	COIF Charities Investment Fund Income Units	5,000	5,483	5,305
6,366.18	Artemis High Income Fund Class R Q Dist	5,000	4,631	4,803
		10,000	10,114	10,108
RICHARDSON FUND				
3,856.83	COIF Charities Fixed Interest Fund Income Units	5,000	5,483	5,305
Purchased in 2020				
748.00	City of London Investment Trust 25p Ord. Shares	2,499	2,768	-
5,417.12	Legal & General High Income Incl Class R Income	2,500	2,568	-
130.00	RIT Capital Partners plc £1 Ord. shares	2,492	2,678	-
2,482.62	Royal London Corporate Bond Trust Incl Class A Inc	2,500	2,602	-
		14,991	16,099	5,305
MIDDLEMISS FUND				
4,088.24	Invesco Perpetual Income Fund Acc. Shares	3,400	5,816	7,384
3,918.38	Invesco Perpetual Income Fund Inc. Shares	3,400	3,414	4,515
20,696.58	M&G Investments Corporate Bond Fund A Shares	6,800	8,800	8,611
		13,600	18,030	20,510

Holding	Market Value			
	Cost £	2020 £	2019 £	
JAPEC FUND				
1,220.23	COIF Charities Investment Fund Income Units	11,670	21,978	20,656
2,972.00	Temple Bar Investment Trust plc 25p Ord. Shares	21,659	28,367	43,896
15,353.00	Treasury 4 1/4% Stock 2032	15,001	22,142	21,233
8,015.15	HL Multi-Manager Income and Growth Trust Inc Units	7,864	6,927	8,172
7,997.09	Royal London Corporate Bond Trust Income Units	8,795	10,284	9,823
3,184.71	Marlborough Multi Cap Income - Inclusive Class A	5,250	4,364	5,222
		70,239	94,062	109,002
WYLEY FUND				
10,818.49	Artemis High Income Inclusive Class R Income	8,088	7,869	8,163
926.00	BP Plc US\$0.25 Ordinary Shares	5,810	2,365	4,366
585.00	GlaxoSmithKline plc 25p Ordinary Shares	7,947	7,851	10,405
3,704.00	HICL - HSBC Infrastructure Co Ltd 0.01p Ord. Shrs	4,259	6,407	6,315
11,078.15	HL Multi-Manager Income and Growth Trust Inc Units	11,215	9,574	11,295
21,194.64	Invesco Perpetual Distribution Fund Income Shares	13,602	13,009	13,321
8,542.35	Legal & General High Income Incl Class R Income	4,044	4,049	4,047
695.00	The Mercantile Inv Trust 25p Ordinary Shares	6,988	17,166	18,209
2,805.00	Murray Income Trust plc 25p Ordinary Shares	12,516	23,253	25,105
1,945.00	Murray International Trust plc 25p Ord. Shares	12,739	21,900	24,487
56.00	NatWest Group (RBS) 25p Ordinary Shares	2,349	93	134
585.00	Royal Dutch Shell Plc "B" Ordinary Shares	12,431	7,359	13,686
13,437.25	Royal London Corporate Bond Trust Income Units	14,678	17,280	16,361
3,703.00	Schroder Asia Pacific Inv Trust Units	6,646	22,625	17,458
463.00	Standard Chartered US\$0.50 Ordinary Shares	8,343	2,157	3,298
4,630.00	Standard Chartered 8 1/4% Non-Cum Invest Pref Shares of £1	5,660	6,306	6,296
17,094.39	Treasury 4 1/4% Stock 2032	16,564		
- 8,500.00	Sold in 2020 for £12,073	- 8,236		11,756
8,594.39			12,395	11,886
25,061.54	Treasury 4 1/4% Stock 2036	24,535	38,823	36,510
Purchased in 2020				
10,578.18	Artemis High Income Inclusive Class R Income	8,049	7,695	-
8,361.67	Legal & General High Income Incl Class R Income	4,024	3,964	-
		182,251	232,140	243,098
TUPPER FUND				
4,424.78	Artemis Income Fund Class R Dist	7,350	9,062	10,214
5,963.00	City of London Investment Trust 25p Ord. Shares	12,498	22,063	26,431
17,746.35	Invesco Perpetual Corp Bond Income Units	12,500	17,003	16,250
1,255.86	Invesco Perpetual Income Income Units	12,500	14,743	19,561
28,276.72	Jupiter Corporate Bond Income Units	12,500	18,558	16,823
816.00	Temple Bar Investment Trust plc 25p Ord. Shares	7,349	7,789	12,052
		64,697	89,218	101,331
CALLOMON PORTER FUND				
2,009.60	Artemis Income Fund Class R Dist	3,333	4,116	4,639
2,354.00	City of London Investment Trust 25p Ord. Shares	8,328	8,710	10,434
10,181.04	Invesco Perpetual Distribution Fund Income Shares	5,833	6,249	6,399
4,267.74	Invesco Perpetual Monthly Income plus Class Y InUn	8,400	8,505	8,224
4,162.08	Marlborough Multi Cap Income - Inclusive Class A	6,500	5,677	6,825
Purchased in 2020				
4,893.33	Invesco Monthly Income Plus Inclusive - Income	5,000	5,213	-
		37,394	38,470	36,521
CURRY FUND				
Shroder Charities				
94,722.25	The Charity Equity Fund A Income Units	-	333,612	379,552
401,806.34	The Income Trust for Charities A Income Units	-	288,698	285,483

Holding	Cost £	Market Value	
		2020 £	2019 £
634.86 Black Rock Charinco Income Units	-	1,250	1,213
14,124.85 Artemis Income Fund Class R Dist	24,250	28,929	32,182
11,550.00 City of London Investment Trust 25p Ord. Shares	36,741	42,735	51,195
3,009.00 Murray Income Trust plc 25p Ord. Shares	19,743	24,945	26,931
327.00 Murray International Trust plc 25p Ord. shares	3,749	3,682	4,117
9,025.27 Royal London Corporate Bond Trust M Income Units	10,000	11,606	11,128
11,774.90 Royal London Sterling Extra Yield Bond Income Units	13,750	13,308	13,956
1,096.00 Temple Bar Investment Trust 25p Ord. Shares	13,740	10,461	16,188
9,687.03 Invesco Perpetual Corporate Bond Class Y - Income	19,318	20,775	19,855
	141,291	780,001	841,800
ROCKWATCH			
8,701.86 Artemis Income Fund Class R Dist	15,000	17,822	20,087
25,986.92 HL Multi-Manager Income & Growth Trust Inc Units	22,500	22,458	26,047
18,159.11 Invesco Perpetual Corporate Bond Income Units	15,000	17,398	16,628
25,827.10 Invesco Perpetual Distribution Fund Income Shares	15,000	15,853	16,232
3,445.74 Artemis Income Fund Class I Dist	7,500	7,866	8,798
3,806.54 Invesco Perpetual Distribution Class Y -Income	7,500	7,526	7,647
3,842.61 Invesco Perpetual Corporate Bond Class Y Income	7,500	8,241	7,876
9,736.22 Marlborough Multi Cap Income - Inclusive Class A	15,000	13,280	15,965
407.00 Murray International Trust plc 25p Ord. shares	4,989	4,583	5,124
779.00 RIT Capital Partners plc £1 Ord. shares	14,978	16,047	16,495
12,774.19 Royal London Sterling Extra Yield Inclusive Class B	15,000	14,437	15,140
	139,967	145,511	156,039
UKOGL			
7,192.17 Artemis High Income Fund Class I Q Dist	6,250	5,703	5,878
1,607.00 City of London Investment Trust 25p Ord. shares	6,250	5,946	7,123
5,882.06 Royal London Corporate Bond Trust Income Units	6,490	7,564	7,241
496.00 Temple Bar Investment Trust plc 25p Ord. shares	6,241	4,734	7,326
	25,231	23,947	27,568
EARTH HERITAGE FUND			
4,469.42 Marlborough Multi Cap Income - Inclusive Class A	7,000	6,096	7,329
557.00 Murray International Trust plc 25p Ord. shares	6,999	6,272	7,013
499.00 RIT Capital Partners plc £1 Ord. shares	10,238	10,279	10,566
	24,237	22,647	24,908
PALAEONTOLOGICAL FUND			
Purchased in 2020			
15,501.00 Artemis High Income Class R Inc Units	11,000	11,275	-
3,155.00 City of London Investment Trust 25p Ord. shares	10,991	11,673	-
	21,991	22,948	-
Grand Totals			
	1,053,396	1,908,748	1,992,661
GA - General			
	260,249	356,028	352,802
Trust Funds			
	651,856	772,719	798,059
Curry Fund			
	not known	780,001	841,800
	912,105	1,908,748	1,992,661

THE GEOLOGISTS' ASSOCIATION ANNUAL GENERAL MEETING

Friday 7 May 2021 at 6 pm

To be conducted via Zoom

AGENDA

1. Minutes of the 2020 AGM
2. Introduction of Annual Report and Accounts for 2020
3. Introduction of proposed Officers for 2021/22
4. Introduction of proposed Council Members for 2021/22
Voting approval of 2, 3 and 4
5. Expression of thanks of the Association to retiring Council Members

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

6. Winner of the Foulerton Award: Dr Paul Olver
7. Winners of the Halstead Medal: 1. Dr Ian Stimpson; 2. Paul Hildreth
8. Winner of the Halstead Award: Dr Amy Edgington
9. Winner of the Henry Stopes Medal: Dr Martin Bates
10. Winners of the Richardson Award: Dr Jackie Skipper & Justyna Edgar
11. Winner of Special Award: Joe Collins (posthumus)
12. Winners of the Curry MSc Award
13. Winner of the Tupper Award
13. Research Awards
14. Long serving members
15. Winner of the President's Award: Diana Clements

Presidential Address for 2021

Dr Vanessa Banks: Shallow geohazards and environmental change