



Special Edition!

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When, around the start of the Millennium, a group of people got together and decided to give the Friends of the Sedgwick Museum a new impetus, the current incarnation was founded. Appropriately, we have two Peters to thank for the organisation which it has become. Firstly, Peter Fuchs who, alongside his wife Ann, were instrumental in the structure and ethos of The Friends – and Peter became the first chairman. Then Peter Friend took over. With his position in the Department of Earth Sciences, his long experience as a lecturer and his endless list of contacts Peter was able to offer lecturers to inform as well as places to visit. This, along with his personal charm, has greatly enhanced the first two decades of The Friends. All of us who have derived much learning alongside pleasure and friendship have much to thank our 'Two Peters' for.

Sedgwick Museum of Earth Sciences, Downing Street, Cambridge CB2 3EQ

Opening hours: Monday to Friday 10am–5pm Saturday 10am–4pm

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✉ Friends of the Sedgwick Museum friendsofsedgwickmuseum@gmail.com

Message from the Chair, Margaret Sanderson, and the Committee

This issue is unusual as the message from the Chair and Committee comes on the second page. This is deliberate as, I am sure that you, like me think that Peter Friend deserves ‘top billing’.

After many years as Chairman, Peter is now our President and remains, as ever, an important part of the Friends. The purpose of this special edition is to celebrate the coming of age of The Friends. Whilst it cannot cover everything that we have done, it contains some of the highlights of the last twenty-one years, along with many of the donations that The Friends have made to the Museum. I hope that it will rekindle many memories of times and places that have made our organisation such a special, if not unique, one.

When I took over from Peter little did I think that most of my communications would be electronic - waving at members on a screen rather than sharing a coffee in the Watson Gallery. Hopefully, as we move forward into more normal times we can again meet in person. As always, I would like to thank the Committee who have kept things going over the last two years. Meeting virtually is not the easiest way to sort things out.

Longer Visits

One of the most popular aspects of The Friends has been the longer visits that we have organized. From the first to Italian volcanoes to the most recent to the French Alps these have proved instrumental in cementing the character of The Friends. The second trip, organised to celebrate our first decade, to Haute Loire dwells long in the mind of the forty-three of us lucky enough to attend. The rather basic accommodation was overshadowed by the wonderful food – and the geology was spectacular too.



Haute
Loire
2011

In the succeeding years we visited Santorini, Andalusia, Orkney, Bavaria, Jersey, the Scottish Highlands and the French Alps.



*Top left to right (Photos - Mary-Anne Enoch)
Finding Shade in Santorini
A Marble Quarry in Andalusia*

*Bottom left to right:
Braving the Deep in The Orkneys 2015
Jersey 2017*



Rieskrater Museum, Noerdlingen, 2016



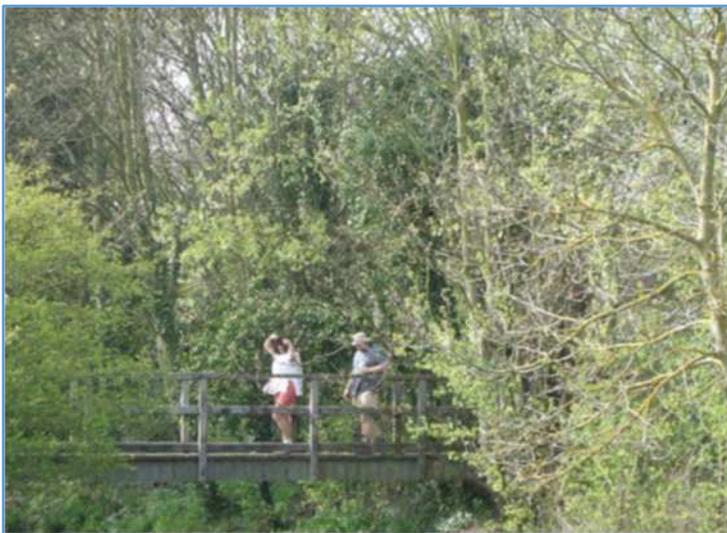
Spectacular gneisses, North West Highlands 2018 (Photo - Robert Anderson)

Over the last two years our plans have had to be cancelled and our geological hammers left in the cupboard. However, two future trips to the Shetlands and Iceland are in the pipeline – pandemics and politics allowing.



Day and Weekend Trips

We have arranged shorter trips – both day visits and weekends away. The former focused on the local area – no mountains but plenty of coasts and complex inland features. The weekends ranged North, South and West. We visited the Whin Sill and Siccar Point in Northumberland [not on the same visit] and the Jurassic Coast in Dorset. We followed in the footsteps of Darwin in Wales and enjoyed the glories of the countryside round Ludlow... and many more lovely places. During each visit we learnt of the local geology, often led by a local expert whilst enjoying the company of our fellow enthusiasts. Of course, a celebratory dinner was an important part. Follows a selection of pictures from my and Robert Anderson's collections.



Talks

Until 'lockdown' we were able to meet in the Watson Gallery for refreshments [and a chat] prior to our talks. There are far too many to list – but they covered the wide range of areas that Geology and Earth Sciences encompass. This year, alone, we have enjoyed talks on - '*Ice Ages in the Geological Record*': Ben Tindall; '*Exploring the colonial connections in the John Woodward Collection of the Sedgwick Museum*': Alice Whitehead; '*Geology of the Mars 2020 Mission*': Professor Nick Tosca and '*The Geology of the Shetland Geopark*': Robina Barton and '*Exceptional new Shropshire fossil locality discovered within the Sedgwick Collections*': Dr Frances Dunn and Dr Luke Parry . Our meeting on 21st June, with Dr Oscar Branson speaking about '*How do shells record climate records?*', will be our first in-person meeting for more than two years.

Workshops

Each January Dr Mike Tuke has provided the Friends with a Geological Workshop. As well as the learning about and understanding of materials [rocks etc] and processes, those attending have had much fun. It is amazing how often food items help demonstrate – golden syrup as lava being a particular example! Thanks to Mike for all his organisation in running these workshops, which are listed below.



Photo - Mike demonstrating the formation of kink folds (2013)

- **2007 Strength of rocks.** Dropping marbles onto slabs of rock to measure how high they bounced and thus the relative strengths of a variety of rocks.
- **2008 Porosity.** Measuring the volume of water held by sediment of different sizes, sorting, shapes and packing.
- **2009 Earthquakes.** Using a block of wood resting on sandpaper and pulled along by a winch to note the effects of weight, sandpaper roughness etc
- **2010 Lava flows.** Using golden syrup to investigate the effects slope angle, volume and temperature of the speed of flow.
- **2011 Isostasy.** Using pieces of wood floating in water to simulate the effects of erosion, deposition and glaciation of the height of the land.

- **2012 Folding.** Using paper, felt, packs of cards, and plasticine to simulate the effects of different types of folding.
- **2013 Plate Tectonics.** Simulating subduction and mountain building
- **2014 Age determination.** Working out the relative ages of rocks and using dice to explain half lives
- **2015 Evolution.** Each pair was provided with a large variety of screws and nails and had to make an evolutionary succession of them.
- **2016 The rock cycle.** Looking at the effects of weathering, transport, sedimentation, lithification, metamorphism and melting.
- **2017 Pebbles.** Looking at the shapes, orientation and packing of pebbles.
- **2018 Meteorites.** Dropping marbles of different sizes and weight from different heights onto a tray of sand to see the different sizes of craters formed.
- **2019 Minerals and their diagnostic properties.** 12 trays each showing the variations of a different property such as colour, density, magnetism etc.
- **2020 Permeability.** Measuring the speed of flow of water through sediment of different sizes, sorting etc.



A workshop in Permeability

Dinners

The Annual Dinner, timed to be as close to Adam Sedgwick's birthday (March 22) as possible, has taken place in several of Cambridge's Colleges. Starting in St John's College, the event moved to Christ's, Queens', Downing and Jesus. The convivial atmosphere, good food, excellent company and interesting speakers has made this a much anticipated event – one that we hope to re-start when life [and venues] return to normal.

Donations

One annual donation [except for the hiatus caused by the pandemic] has been to the Student Prizes. Each year two/three students are given the opportunity to work alongside the Museum staff. This has proved valuable both to the Museum and the students. The Museum are looking forwards to restarting this programme this summer and are currently recruiting students to a variety of short projects based in different parts of the Museum.

Here are the donations made to the Museum since 2009:

- Student Placements [2009; 2010; 2011; 2013; 2016; 2017 & 2018]
- Shelving [2012/3]
- Conference expenses [2010-12]
- Archiving assistance [2011/2 & 2020/1]
- Half term assistance [2011/2]
- Trilobite - Non-members [2009 -2011]
- Scanner [2018/9]
- Museum grade specimen boxes [2020/1]



Folding stools in action during a drawing workshop, 2019

This second list contains things that can be seen within the Museum – most notable of which is the William Smith Map. This magnificent map – one of very few remaining – will hold a special place in the Museum for generations to come. The portable folding stools are more prosaic - but nonetheless very useful.

- Smith map restoration [2015/6]
- Restoration of Ice Age Exhibition [2016-18]
- Portable LED uplighters [2019/20]
- Stockholm folding stools/stand [2019/20]

Friends forthcoming events

21st June 2022 In Person and online

- AGM, 6.30 pm, Tilley Lecture Theatre, Department of Earth Sciences
- 7pm, “How do shells record climate records?” Dr Oscar Branson, University of Cambridge
<https://zoom.us/j/95839567089> Meeting ID: 958 3956 7089

* Zoom is a free online meeting application which allows you to participate in meetings using audio and video while viewing content shared by a host. Instructions on how to download, install and use Zoom are available online. To join a Zoom meeting you will need the Zoom application and a suitably equipped desktop computer (with speaker, microphone, and camera), or any tablet/iPad or smartphone.

The Future

We are looking forward to restarting our in-person meetings, and with the technical wizardry available these days we intend to continue Zoom for those of you who live out of the Cambridge catchment area.

Thank you to the Committee who have continue to support the Friends throughout the last months and the Museum who have facilitated the events that we have been able to organise.

And thank you to you the Friends for the support and friendship that you have given over the previous year. Now to the future....

News from the Museum Director, Dr Liz Hide

The last few years have been pretty challenging for everyone , and we’ve missed seeing our Friends in the Museum. Thanks to a fantastic staff team, I’m really glad to say that the Museum is bouncing back from the difficult times. As I write this, the Museum is packed with families enjoying a half-term visit. On display we’ve the fossil of the largest ever land invertebrate, the 400 million year old millipede *Arthropleura*, found on the Northumberland coast by researchers in the Department of Earth Sciences, and we’ve also a fascinating display of drawings by artist John Kelly entitled ‘Two Islands: Changing Landscapes Through Time’ from his time spent on the islands of Barra and Surtsey. Our current Community Cabinet display was curated by young people and features the fossils they have found in everyday gravel around their homes. Visitors to the Cambridge Festival had the opportunity to see some of our archival material and to visit the Watson Building Stones collection.



Families are also loving the revamped book trolley and seating, thanks to the support of researcher and Friends Committee member Alex Liu, who gallantly ran the Cambridge half marathon dressed as a dinosaur to raise funds for the Museum. His support is making a big difference to the Museum.



Behind the scenes, our exciting new Collections Research Centre is taking shape. Migration of our petrology collection into the new storage has been substantially delayed by Covid-19, but we now have a fantastic team working hard to clean, pack and move the 150,000 tonnes of rocks into purpose built accommodation where researchers, students and we hope, members of the public on tours will eventually be able to access them. The collections team have continued to welcome researchers to the collections and archive, and we've supported a number of student projects.

We've continued to loan our specimens to other museums to enable more people to see them, and are especially pleased that one of the ichthyosaurs that Mary Anning sold to Adam Sedgwick in 1842 is currently on display in Lyme Regis Museum in *Mary Anning Comes Home*. Our Aurochs skull is on display at the British Museum in *The World of Stonehenge* and, closer to home, rocks from our collection feature heavily in *True to Nature: Open-air painting in Europe 1780-1870* at the Fitzwilliam Museum until 29 August.

Finally, we are delighted that generous, and patient, support from the Friends means that we can at last welcome back students to work on placement projects in the Museum over the summer holiday, after a break of three years. They'll be helping with cataloguing, carrying out conservation work, transcribing archive records and helping us develop our learning resources, and we look forward to reporting on their progress in due course.

Liz Hide





The Friends Of The Sedgwick Museum

Application Form

Personal Information		
Full Name <i>(all names for a family)</i>		
Email Address		
Telephone <i>(mobile preferred)</i>		
Address		
Age <i>(if under 18)</i>	Parent or guardian name (& email address if not given above)*	

** If you are under 18, parent or guardian contact information is required.*

Payment Method <i>(mark one box <input checked="" type="checkbox"/>)</i>	Standing Order <i>(preferred)</i> <input type="checkbox"/>	Direct Bank Transfer <i>(Faster Payment Scheme)</i> <input type="checkbox"/>	Cheque <input type="checkbox"/>
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Subscription Type & Optional Supplement	Rate	Mark boxes as required
Individual	£12	<input checked="" type="checkbox"/>
Family (1 or 2 parents & all children under 18 at same address)	£18	<input type="checkbox"/>
Young Person (Age under 18)	£6	<input type="checkbox"/>
Concession (Age 60+, full-time student, or on state benefits)	£8	<input type="checkbox"/>
Annual supplement for postal communication	£5	<input type="checkbox"/>

Notes

1	Membership is for one year and expires on 31st March. Members joining between 31 Dec and 31 Mar will have that quarter's membership included in the following year.
2	All rates are per person per year. Rates do not reduce pro-rata for partial years.
3	From 1 st April 2021, an annual supplement of £5 applies for members who do not consent to receive electronic communications.

Gift Aid Declaration

(Mark the box if you are a UK taxpayer and would like the Friends to benefit from Gift Aid on your subscription and any donations).

I would like the Friends of the Sedgwick Museum to treat all membership fees and donations as Gift Aid donations from the date you receive this declaration until I tell you otherwise.

I am a UK taxpayer and I understand that if I pay less Income Tax and/or Capital Gains Tax than the amount of Gift Aid claimed on all my donations in any tax year it is my responsibility to pay any difference.

Consent to receive electronic communications (email, SMS messages, etc.)

(Mark the box to help the environment and avoid the supplemental charge for postal communications).

I hereby give permission for the Friends of the Sedgwick Museum to contact me by email or other electronic methods on all membership matters, to keep me informed about Friends' activities, and to send me their newsletter.

Data Protection & Privacy

In accordance with the Data Protection Act, if you cease to be a member of the Friends of the Sedgwick Museum, you may request us to remove your information from our database by contacting the Membership Secretary at the address provided. If you do not wish to continue receiving electronic communications from the Friends of the Sedgwick Museum, please ask the Membership Secretary to remove you from the email list. We will continue to use email to contact you about specific enquiries you make, or about membership questions or other activities or issues relevant to you.

Directions for completing and returning the application form

1. *Print the first page of this form*
2. *Enter your details – make sure your writing is legible, or use block letters*
3. *Mark the boxes for Payment Method, Subscription Type, Optional Supplement, Gift Aid, and Email Consent then:*

EITHER

1. *Scan or take a digital photo of the completed form.*
2. *Send the image as an email attachment to:*

friendsofsedgwickmuseum@gmail.com

OR

1. *Mail the annotated form to:*

The Friends of the Sedgwick Museum,
c/o Dept of Earth Sciences
Downing Street
Cambridge CB2 3EQ

Payment Method

The Friends strongly encourage new members to set up an online standing order for annual subscription payments (including annual voluntary donations). Subscriptions can also be paid by direct bank transfer or cheque.

Make online payments* to:

Bank Account Name	The Friends of the Sedgwick Museum
Bank Account Number	90166863
Sort Code	20-16-12
Your Reference	Sub <<Last Name>>

** Adding the Friends as an online payee makes it convenient when you want to pay for Friends activities such as talks or trips, or events such as the Annual Dinner and the Christmas Party.*

Donations

We invite you to consider making an additional voluntary donation as part of your subscription. You are under no obligation to do so, but all additional donations help support museum activities. Your donation can be added to your standing order, or you can use a separate bank transfer.

If you are eligible for Gift Aid, your donation generates an additional benefit.

Gift Aid *Boost your donation by 25p of Gift Aid for every £1 you donate*

As a registered charity (No.1091393), the Friends can claim Gift Aid on any subscription or donation from a UK taxpayer. Gift Aid is reclaimed by the charity from the tax you pay for the current tax year. Your address is needed to identify you as a current UK taxpayer.

The amount eligible for Gift Aid can be added to your basic UK tax allowance. If you pay Income Tax at the higher or additional rate and want to receive the additional tax relief due to you, you must include all your Gift Aid donations on your Self-Assessment tax return or ask HM Revenue and Customs to adjust your tax code.

Spouses and couples living together can make a joint declaration if we have full contact details of both parties.

Consent to receive electronic communications

We strongly encourage members to agree to the use of email so that we can keep you informed about activities or changes in schedule, provide access information for online talks, send you newsletters, and so on. This is particularly important when events may be subject to last minute changes for public health or other reasons.

Going paperless and agreeing to the use of email also reduces our costs, maximises the funds available to benefit the museum, helps the environment, and helps us to mitigate health risks.

If you are unable to use email for any reason, we will communicate with you via regular mail. However, your subscription will be subject to a supplemental charge from 01 April 2021.

Contact details

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Email: friendsofsedgwickmuseum@gmail.com

<http://www.sedgwickmuseum.org/index.php?page=friends-of-sedgwick>

Useful links

SEDGWICK MUSEUM

<http://www.sedgwickmuseum.org/>

DEPARTMENT OF EARTH SCIENCES BLOG

<https://blog.esc.cam.ac.uk>

CAMBRIDGESHIRE GEOLOGICAL SOCIETY

<http://www.cambsgeology.org/>

FACEBOOK - SEDGWICK MUSEUM

<https://www.facebook.com/sedgwickmuseum>