

The Friends examining Le Pulec (Stinky Bay), Channel Island of Jersey

## In this issue.....

**Forthcoming Friends' Events Pg.2-4**

**Cambridgeshire Geological Society**

**Forthcoming Events Pg. 5**

**The Brecks Earth Heritage Trail Pg. 6**

**Earth Sciences on Instagram Pg. 7**

**New Museum in Dorset Pg. 8-9**

**Friends' Application/Booking form**

**Pg. 10-12**

Some thirty members of the Friends visited the Channel Island of Jersey from 6 June to 10th June 2017. Our long term Friend, Josephine Stubbs, had been recommending us to visit the Channel Island of Jersey for some years. Our Registrar for the Visit was Margaret Sanderson, and she worked with Premier Travel, Cambridge in making the arrangements. The Leader of our three days of geology was Dr. Ralph Nichols who lives on the island and devised a very varied programme that allowed many aspects of the igneous and sedimentary geology, much of which was based on his own excellent field guide material.

Photo thanks to our Robert Anderson.

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

**Opening hours:** Monday – Friday 10 am – 1 pm and 2 pm – 5 pm Saturday 10 am – 4 pm

☎ (01223) 333456 ✉ [sedgwickmuseum@esc.cam.ac.uk](mailto:sedgwickmuseum@esc.cam.ac.uk) 🏠 [www.sedgwickmuseum.org](http://www.sedgwickmuseum.org)

🏠 **Friends of the Sedgwick Museum** [www.friendsofsedgwickmuseum.com](http://www.friendsofsedgwickmuseum.com)

📘 <https://www.facebook.com/Friends-of-the-Sedgwick-Museum-508873495923670/>



Registered Charity (No. 1091393)



**Editor: Peter Friend**



**Sub Editor: Alison Holroyd**

## **FORTHCOMING FRIENDS EVENTS**

Unless otherwise clear, Friends Talk events will be held in the Department of Earth Sciences, Downing Site, Cambridge CB2 3EQ. The Doors to the Department will be opened at 6.15 pm for tea/coffee etc, and the talk will start promptly at 7 pm. Please try not to be late, in spite of Cambridge traffic congestion, because our doors have to be locked at 7 pm.

Cars may be parked on the Downing Site during these events. The Downing Site entrance for cars is from Tennis Court Road, opposite the back entrance to Pembroke College, through the "Visitor's barrier Gate" taking a paper ticket. Identify yourself as attending a "Friends of the Sedgwick Museum" event, if requested by Security. After the talk, cars can leave using the "Exit barrier Gate" at the other (Downing College) end of the Site, and offering the paper-ticket, or pressing the exit button, as needed.

Members attending a Friends talk are asked for a donation of £2 each (or £3 for non-members).

### **September – December 2017**

#### **Thurs 21<sup>st</sup> – Mon 25<sup>th</sup> September** *Visit to the Torbay area of Devonshire.*

Our local leaders are to be Jenny Bennett and her husband John, both of whom teach and carry out research in geology, and live in Devon. They are arranging three days of varied geology, although the programme may have to be varied to suit it best to weather and tides. The programme will include (1) Kents Cavern, Dawlish and Shaldon, (2) Hopes Nose, Triangle Point, Goodrington Sands (Paignton), and (3) Berry Head, Shoalstone Point, etc. A two-hour afternoon geological boat cruise is also being planned.



A block accommodation booking was made at the Cavendish Hotel, Belgrave Road, Torquay, TQ2 5HN (Tel. 01803 293682), but because some of the bookings were not taken up, we have agreed with the Hotel that they can be made available to the general public. We have bookings from Friends for 30 people and propose to close the list at this point. Please contact our registrar for this event, Margaret Sanderson (margaretsanderson285@outlook.com) if you want to withdraw or discuss joining the party at this point.

#### **Tuesday 3<sup>rd</sup> October**

Committee of the Friends to meet at 6 pm in the Department of Earth Sciences.

#### **Tuesday 10<sup>th</sup> October**

Talk, doors open 6.15 for 7.00 pm in the Department of Earth Sciences, by Jack Wright (Open University) on "*Mapping geological features on the surface of the planet Mercury*".



MERCURY

#### **Tuesday 24<sup>th</sup> October**

Talk, doors open, 6.15 pm for 7.00 pm in the Department of Earth Sciences, by Dr Ed Tipper (Cambridge University) on "*Chemical Weathering in SE Asia*".

#### **Tuesday 7<sup>th</sup> November**

Talk, doors open, 6.15 pm for 7.00 pm in the Department of Earth Sciences, by Professor Ian Fairchild (University of Birmingham) on "*The oldest and greatest glaciation of Scotland*".



**Tuesday 5<sup>th</sup> December** *Friend's Christmas Party*, Department of Earth Sciences.

This popular event sees the Committee and helpers provide refreshments, while undergraduate members of the Sedgwick Club give talks about their travels, mapping and adventures during their degree courses. The Party will last from 6 pm to 8 pm. Members who plan to support this event should complete an event booking form (enclosed with "Trilobite"), and send a cheque for £7 per head, for the refreshments, made out to the "Friends of the Sedgwick" to

our Registrar for the event who is Carol Franklin, 273 Welbrook Way, Girton, Cambridge, CB3 0GL, e-mail: [s\\_carol\\_f@yahoo.co.uk](mailto:s_carol_f@yahoo.co.uk) (note the underscores in the e-mail address). Please consider bringing suitable prizes for our raffle.

If you cannot register this way by Friday 1<sup>st</sup> December, but still want to come, you will be welcome but please pay £9 cash per head at the door.

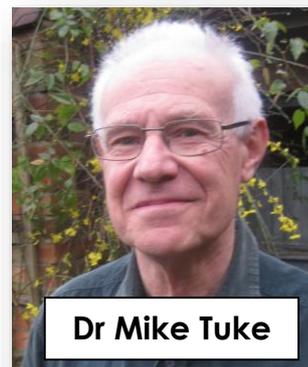
## January to March 2018

**Tuesday 9<sup>th</sup> January**

Committee of the Friends to meet at 6 pm in the Department of Earth Sciences.

**Tuesday 23<sup>rd</sup> January**

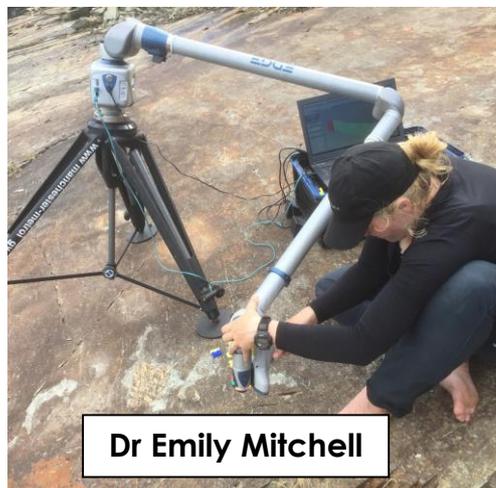
Dr Mike Tuke has offered us another of his "Experimental Geology" sessions, this time involving experiments on the processes involved when meteorites make craters on impacting large heavenly bodies. People who visited the Ries Craters in Southern Germany in March 2017 will have seen remarkable evidence of some of these processes, and the excursion to North-West Scotland in summer 2018 will see other possible types of evidence. Places in this laboratory class are limited in number. Please book with Mike Tuke (01480 457068) or [miketuke@btinternet.com](mailto:miketuke@btinternet.com)



Dr Mike Tuke

**Tuesday 6<sup>th</sup> February**

Talk by Charlotte Jackson (Cambridge) in the Department of Earth Sciences, doors open 6.15 pm for 7.00 pm start. "Researching Mantle rocks in Botswana, Africa".



Dr Emily Mitchell

**Tuesday 20<sup>th</sup> February**

Talk by Dr Emily Mitchell (Cambridge) in the Department of Earth Sciences, door open at 6.15 pm, for 7.00 pm start. "Using Lasers to illuminate the Start of Complex Life".

**Tuesday 27<sup>th</sup> February**

Varied talks by Dr Ruth Siddall (University College, London), Dr Nigel Woodcock (Cambridge University), and Mr Euan Furness (Cambridge University), in the Department of Earth Sciences, doors open at 6.15 for start of talks at 7.00pm. The evening will cover the way that the collection and display of Building Stones has evolved through history, how the Sedgwick Museum's Watson collection was formed, and how it may be further developed in the future.

**Tuesday 13<sup>th</sup> March**

Talk by Professor P.R. Sheldon (Open University) in the Department of Earth Sciences, doors open at 6.15 pm, for 7.00 pm start. "Trilobites, microevolution and environmental change".

**Wednesday 21<sup>st</sup> March**

The Annual Celebration Dinner for the birthday of Professor Adam Sedgwick will again be held in Downing College, Cambridge. Prices will be announced nearer to the date, but will be broadly similar to those in March 2017 (£40 with soft drinks, and £49 with fine wines). Please register with Marjorie Veale who is best contacted by e-mail on [chrisandmarje@btinternet.com](mailto:chrisandmarje@btinternet.com) or by post for sending cheques etc. at Mrs Marjorie Veale, 176 Green Drift, Royston, Herts, SG8 5BL.



**June 2018**



**Wednesday 13<sup>th</sup> June to Tuesday 19<sup>th</sup> June**

Visit to the North-West Highlands of Scotland Geopark. Five days of varied geology on 14<sup>th</sup>-18<sup>th</sup> June. The arrangements for this trip have been made by Dr. Mike Tuke through the Geopark organization, and their local geologist, Pete Harrison, will be leading our party. Accommodation has been arranged in Ullapool at the Caledonian Hotel. Registration for places on the trip is now near our numbers limit and further enquiries should be sent to Dr. Mike Tuke (01480 457068), or [miketuke@btinternet.com](mailto:miketuke@btinternet.com).

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## **CAMBRIDGESHIRE GEOLOGICAL SOCIETY FORTHCOMING EVENTS**

**The Club meets at the Friends Meeting House, 91-93 Hartington Grove, Cambridge  
CB1 7UB.**

**Lectures start at 19:30 and doors open at 19:00**

**Visitors and Members are welcome**

**Monday 11<sup>th</sup> September 2017 - "The richest and largest known Polyhalite deposit in the World?? It's in Yorkshire of course!!" Peter Woods, Mining Engineer, Yorkshire.**

**Monday 9<sup>th</sup> October 2017 - "Crystal Palace: the first Jurassic Park" Naomi Stevenson, Natural England.**

**Monday 13<sup>th</sup> November 2017 – "Stories from the chalky Fen Edge of Cambridgeshire"  
Dr Peter Friend, Department of Earth Sciences.**

**Monday 11<sup>th</sup> December 2017 - "Triumphs and Disasters in Practical Engineering Geology"  
Professor David Norbury, Sussex University and David Norbury Ltd.**

**Monday 8<sup>th</sup> January 2018 – "Clock of ages: using climate and orbits to tune geological timescales" Simon Crowhurst, Department of Earth Sciences.**

**Monday 12<sup>th</sup> February 2018 – "A mystical cave in Myanmar"  
Steve Thompson, Exploration Geologist, Cambridge.**

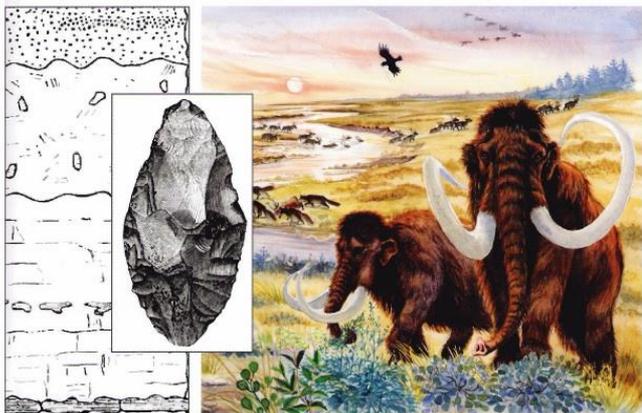
**Cambridgeshire Geological Society, Local Group of the Geologists' Association**  
Franziska Norman, Programme Secretary  
Tel: 01223 479236 Mobile: 0796 3039198  
Email: [info@cambridgeshiregeologyclub.org](mailto:info@cambridgeshiregeologyclub.org)

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## THE BRECKS EARTH HERITAGE TRAIL



Most people exploring East Anglia have concentrated on its very varied and exciting coastline. Others have ventured into the Fens, discovering their remarkable history of flooding and drainage. At last, we now have available a remarkable booklet covering the Breckland of central-western East Anglia, which has hitherto been particularly difficult to explore. The main booklet is supported also by a pamphlet that contains a brief selection of the booklet material. The booklet is A4 page-size has a card-cover and 45 pages, each with four or five maps, photographs, artworks and diagrams per page, mostly in colour. These new publications make very welcome contributions towards covering the geology and cultural history of an area that has badly needed such cover for many years. We should all thank Tim Holt-Wilson and the numerous public sponsorship and local interest bodies that have brought about this marvellous achievement.



The booklet is arranged as an Earth Heritage Trail, consisting of important Introductory pages, followed by 18 two to three page articles, each providing a discussion of interesting features that can be seen in various chosen areas of the Breckland. Each article includes a simplified map showing different localities within the area, parking, pathways, rivers etc. In addition to the map, each article is attractively illustrated with photographs, paintings and diagrams



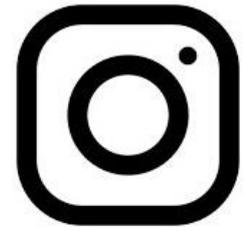
The booklet was funded by the Heritage Lottery Fund, and is distributed free of charge. It is available as a downloadable PDF from the following:

<http://www.breakingnewground.org.uk/assets/Projects/C2-EHT/New Folders/EHT-eBook.pdf>

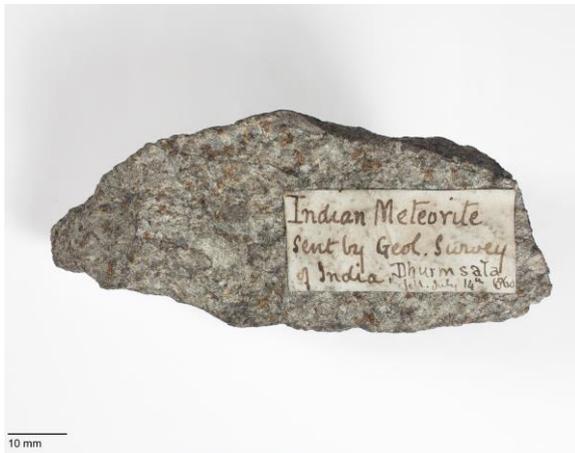
The booklet can also be acquired as a hard-copy printed version by sending a self-addressed strong or padded envelope, A4 or 21 cm by 29.5 cm size. stamped with £1.86 postage (for UK) to the Brandon Country Park Visitor Centre.

**Peter Friend**

# Instagram



**@cambridgeearthsciences**



What made the local inhabitants of Dhurmsala in northwest India quickly drop the meteorite fragments that fell to Earth on July 14th, 1860 and why did the colonial Deputy Commissioner think it important enough to send his report and the specimens to the Woodwardian (now Sedgwick Museum)?

Why does the Sedgwick Museum have a unique rock specimen collected by Sir Edmund Hilary from the summit of Mount Everest?

Amongst the countless treasures of the Sedgwick museum are many apparently unspectacular but nevertheless fascinating specimens, which can easily be missed by the casual visitor. The website of the Earth Science Department ([www.esc.cam.ac.uk/](http://www.esc.cam.ac.uk/)) now has an Instagram account [www.instagram.com/cambridgeearthsciences/](https://www.instagram.com/cambridgeearthsciences/) which can be accessed by any of the Friends and the wider public. We are using it to display some of our unusual and often overlooked specimens and invite you to have a look.



If you have any particular favourite specimens in the Museum, which you think are neglected but worth drawing attention to, please email me ([dp315@cam.ac.uk](mailto:dp315@cam.ac.uk)) and we will try and 'revive' them on Instagram.

**Douglas Palmer – Sedgwick Museum**

## **NEW MUSEUM OPENS TO DISPLAY LATE JURASSIC PALAENTOLOGICAL TREASURES**

**Sarah Brazier**

It was long thought that the Kimmeridge Claystone around the type locality at Kimmeridge Bay in Dorset had little to yield by way of well-preserved fossils. This belief has been shattered by the discoveries of Steve Etches, fossil collector and expert who over the last 30 years has discovered, collected and researched an outstanding collection of over 2,000 Late Jurassic Kimmeridgian specimens. This achievement has resulted in a collection of the most extensive and best preserved fossil specimens ever found in the Kimmeridge Clay Formation, giving a unique insight into the ecosystem of that time.

There is a wealth of fascinating finds, amongst them new species of fish and even the goose barnacle found in the Kimmeridgian by Steve – a missing link that Charles Darwin sought but failed to find for his treatise on barnacles.



In recognition of his unique contribution, the Palaeontological Association awarded The Mary Anning Prize to Steve in 1993 and 2005. The Geological Society of London awarded the R.H. Worth Prize in 1994 and The Geologists' Association The Halstead Medal. In 2014, Steve received an MBE for services to palaeontology.

In Oct 2016 a new, purpose-built museum opened in Kimmeridge village to display this collection, ensuring that it will remain accessible to the public and as a resource of international importance for the palaeontological community.



Steve Etches is curator of the museum and is onsite to answer ad hoc queries. Fossil hunting trips to Kimmeridge Bay with Steve can be arranged for parties. The museum is conveniently located on the Jurassic Coast for inclusion on field trips to this classic area.



Further details can be found on the website:- <http://www.theetchescollection.org>

**Friends of the Sedgwick Museum**

**BOOKING FORM**

<b>Date/Event</b>
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<b><u>Contact details – please print</u></b>
<b>Name(s)</b>
<b>Email</b>
<b>Telephone</b>
<b>Address</b>
<b>Additional Information</b> Parking required? Special diet?

**Please enclose cheque for the appropriate amount made payable to  
'The Friends of the Sedgwick Museum'  
and send to the person indicated on the programme**

**Enclosed cheque for \_\_\_\_\_**

**Signed \_\_\_\_\_**

**Details will be emailed to you unless you indicate otherwise**

**Friends of the Sedgwick Museum**

**BOOKING FORM**

<b>Date/Event</b>
-------------------

**Contact details – please print**

**Name(s)**

**Email**

**Telephone**

**Address**

**Additional Information**

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**Enclosed cheque for \_\_\_\_\_**

**Signed \_\_\_\_\_**

**Details will be emailed to you unless you indicate otherwise**



## JOIN THE FRIENDS...

### Membership is open to anyone!

Friends of the



Sedgwick Museum  
of Earth Sciences

## CONTACT DETAILS

**The Friends of the Sedgwick Museum**  
**Downing Street**  
**Cambridge, CB2 3EQ**

Department Reception:  
01223 – 333400

Chairman e-mail: [pff1000@cam.ac.uk](mailto:pff1000@cam.ac.uk)

Event leaders may be contacted before and during events on the events mobile:  
07754 592439

## KEY WEBSITES:

### FRIENDS OF THE SEDGWICK MUSEUM

[www.friendsofseggwickmuseum.com](http://www.friendsofseggwickmuseum.com)

### SEDGWICK MUSEUM

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

### SEDGWICK MUSEUM BLOG

<http://seggwickmuseum.org.uk/blog/>

### CAMBRIDGESHIRE GEOLOGY CLUB

<http://www.cambridgeshiregeologyclub.org.uk/>

### FACEBOOK - SEDGWICK MUSEUM

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

### FACEBOOK – FRIENDS OF THE SEDGWICK MUSEUM

<https://www.facebook.com/pages/Friends-of-the-Sedgwick-Museum/508873495923670>

### BOOKING FORM (ON-LINE)

<http://www.seggwickmuseum.org/uploads/images/Whats%20On/Booking%20Form.pdf>

## APPLICATION FORM

Please use block capitals and return the form, with your cheque, to the membership secretary.

Name (Dr, Mr, Mrs, Miss, Ms) *(delete as applicable)*

.....

Address.....

.....Postcode.....

Telephone.....

Email.....

Age (if under 18).....

### Subscriptions (please tick)

- Individual: £12 per annum (Over 18 years)
- Family: £18 per annum (Two or more members living at the same address)
- Young £6 per annum (Members under the age of 18)  
person: age of 18)
- Concession: £8 per annum (Full time students, unemployed or over 60s)

*Membership is for one year and expires on 31<sup>st</sup> March. Members joining after 31<sup>st</sup> December will have the last quarter's membership included in the following year.*

- I attach a cheque for £..... made payable to The Friends of the Sedgwick Museum.

Signed.....Date.....

**Gift Aid Scheme.** Because the Friends is a registered Charity (No. 1091393) we can claim an additional amount on any subscription or donation, provided that you are a UK tax payer. Your signature below will allow us to increase the value of each payment you make for the benefit of the Friends.

**Gift Aid Declaration.** I am a UK tax payer. I would like the Friends of the Sedgwick Museum to treat all membership fees and donations as Gift aid donations from the date of this declaration until I notify otherwise.

Signed.....Date.....