



The Palaeontographical Society

Est. 1847

NEWSLETTER 40 2024

Notice of Annual General Meeting and Annual Address

Date: 16th April, 2024, at 4 pm

Location: Kelvin Hall Lecture Theatre, Argyle Street, University of Glasgow, 1445 Argyle Street, Glasgow, G3 8AW

We would like to welcome you to join us for the 177th Annual General Meeting. The Annual Report of Council will be presented, along with the Income and Expenditure Accounts for the year ended 31st December, 2022, and Council Members and Officers will be elected for the ensuing year. This will be followed by the Annual Address (see below)

Tea and coffee will be available from 3.30 pm. The AGM and our annual address are open to the all members of the Society, and the interested public.

The AGM will be followed by the Society's Eighteenth Annual Lectures (see below). This event is open to members of the Society and any other interested parties.

Annual Lectures

PalSoc's Eighteenth Annual Lectures will take place following the AGM, at 5.30 pm. This year's speakers are:



Dr Christine Strullu-Derrien

ILLUMINATING THE MICROBIOTA OF THE RHYNIE CHERT USING NEW IMAGING TECHNIQUES



Dr Alan Owen

*UPPER ORDOVICIAN TRILOBITES IN BRITAIN AND IRELAND:
BIOSTRATIGRAPHY, DEPTH-DISTRIBUTION, DIVERSITY AND DOOM*

PUBLICATIONS

Volume 177 (part 665) was published in 2023. Volume 177 (part 666) was published in 2024.



Vol. 177, for 2023

665. The Osteology of the holotype of the British iguanodontian dinosaur *Mantellisaurus atherfieldensis*, by J.A. Bonsor, J. A. F. Lockwood, J. V. Leite, A. Scott-Murray & S. C. R. Maidment (pp. 1–63, plate 1).

666. Silurian brachiopods from the Pentland Hills, Scotland, by E. E. Gallagher & D. A. T. Harper (pp. 1–69, plates 1–13).

The Editors welcome suggestions for new titles and would also be grateful for manuscripts that represent concluding or additional parts of ongoing, unfinished monographs.

PALSOC NEWS

Marsh Palaeoart Award Winners Announced

We are excited to reveal our three winners of the first Palaeontographical Society Marsh Palaeoart Award. This new annual award was announced at the AGM in 2023, and submissions were open from October to November 2023. We received a fantastic response, thank you to everyone who submitted.

The award recognises talent in the depiction of fossil fauna and flora, in keeping with the foundational aims of the Society. It is supported by the Marsh Charitable Trust. The standard of submission was incredibly high, with work ranging from traditional drawings and physical sculptures, to digital paintings, three-dimensional digital models and animations. Our judging panel included Dr Mark Witton, celebrated palaeoartist and palaeontologist, and four council members with a range of scientific interests and artistic backgrounds. They were looking for a combination of scientific accuracy, creativity, original composition, technique, and how well the works met their intended purpose. Our three winners are featured below in the Awards section. We would like to thank all of the artists for their submissions, and our judges and sponsors. If you are interested in submitting a piece for the next Marsh Palaeoart Award, submissions will open again in Autumn 2024, keep an eye on our social media and website for updates.

Digital Only Membership and Membership Restructure

The Council have been discussing our membership pricing structure, in light of changing costs and

Subscriptions

Individual subscription (1 year) = £35.00

Student rate (1 year) = £17.50

Members receive the monograph and digital access to our back catalogue. Subscribe and renew existing subscription via our website

www.palaeosoc.org/membership

or by post: Dr. T. McCormick, The Treasurer, c/o British Geological Survey, Nicker Hill, Keyworth, Nottingham, NG12 5GG, United Kingdom.

You can pay via paypal, credit card, or by cheque (drawn on a UK bank) payable to The Palaeontographical Society

A subscription renewal form for 2024 is enclosed with this Newsletter

PalSoc no longer offers Institutional or Agency rates. Institutions can subscribe through Taylor & Francis at

www.taylorandfrancis-renewals.informa.com

If you have any enquiries related to membership and payment, please contact our Treasurer Dr Tim McCormick at tmcm@bgs.ac.uk

the advent of easy online digital access to monographs provided by Taylor and Francis. We have received feedback from some members telling us that they don't wish to receive a physical copy of the monographs, and would prefer to pay less for digital access only. After discussion with Taylor and Francis, we are proposing a new pricing structure as follows: £20 for students (digital only); £30 ordinary membership (digital only); £40 for ordinary membership (incl. hard copies). If this goes ahead (pending approval at the AGM) the new pricing structure would be implemented at the next point of membership renewal. We welcome your feedback on this decision, so please get in touch with the Secretary to give your views (email below).

PalSoc Changing to CIO

Prior to the AGM in 2023, we circulated in the Newsletter details of the Society's proposal to change from a Charitable Organisation to a Charitable Independent Organisation (CIO). These details were read at the AGM by our president, Dr Caroline Buttler, and members were asked to vote on this change. They voted 23 for, and 0 against, and so the proposal was passed. We are currently working on the next phase of this process, which is to write a new constitution. We aim to complete this process by the AGM in 2024, and seek the approval of the membership. Following this, we will begin the final stages of the process, which include opening a suitable bank account, and switching over our accounts and assets. Thank you for all your support in this process.

Progressive Palaeontology

PalSoc has been sponsoring the student-led Progressive Palaeontology Conference for several years now. In 2023, this annual conference took place in Liverpool, on the 1-3rd of June. Several keynote speakers delivered talks on micro CT scanning in palaeontology (Dr. Alana Sharp, University of Liverpool), the evolution and morphology of the baculum (Dr. Charlotte Brassey, Manchester Metropolitan University), deciphering dinosaur locomotion from footprints (Dr. Peter Falkingham, Liverpool John Moores University) and form and function in animal anatomy (Dr. Katrina Jones, University of Manchester). This was followed by a post conference field trip to the Great Orme complex, Llandudno. You can read more about this, and previous years' ProgPals on our website in the *Blogs* section.

First AGM in Scotland

We are delighted to be hosting the first PalSoc AGM held outside of England (see announcement above). Until recently, our AGM was always held at the Natural History Museum in London. We then moved to Oxford in 2022. Going forwards, we hope to hold the AGM at a non-London location every second year or so, making it easier for existing and new members from across the country to attend. Organisation of the Glasgow event is being led by our Ordinary Council Member, Dr Neil Clark (The Hunterian Glasgow), with support from council members. We look forward to welcoming you to our fascinating Annual Lectures, refreshments, and a chance to network!

Change of Independent Examiner

We have now said farewell to our Independent Examiner, Dr Stewart Molyneux, who is retiring from carrying out this role. We would like to convey the Council's thanks to Dr Molyneux. Going forwards, we are delighted that Dr A. J. 'Mark' Barron has agreed to take on the role.

COUNCIL NOMINATIONS AND NEW MEMBERS

Nominations for Council

The Palaeontographical Society is open for nominations to serve on Council commencing 2024. The council meets 2-3 times a year, and is responsible for overseeing the running of the Society, and providing guidance on how it can best serve the needs of the membership. Any member of the Society can nominate a candidate, including themselves. Names will be considered at the AGM, and where more than one person is nominated for the same position, an online vote will take place. We are currently seeking the following:

Vice-President

Communications Officer

To find out more about these roles, and to nominate a candidate, e-mail the Secretary (secretary@palaeosoc.org). Nominations must include a statement from the candidate that he/she is willing to be considered, and why they are suited to the role. A proposer and seconder are required (both must be current members of the Society) – we can help you with this process.

New Members

We extend a warm welcome to the following recent new members of the Society: Alessandro Carniti, Amber Wood Bailey, Arjan Arenas, Bertrand Matrion, Cade Dunkley, Ellie Neye-Williams, Gary Hoare, Jeffrey Thompson, Jennefer Whicher, Josephine Pallister, Kevin Green, Meghan Jenkinson, Melanie Hopkins, Michael Pittman, Nigel Larkin, Rafael Delcourt, Roy Smith, Stephen Bowerbank.

GRANTS AND AWARDS

The Palaeontographical Society Medal

The biannual Palaeontographical Society Medal recognises a sustained and important series of contributions to taxonomic and systematic palaeontology. In particular, the Society seeks to honour those who have made an exceptional contribution to the micropalaeontology, palaeobotany, invertebrate or vertebrate palaeontology of the British Isles, including those who have applied these data to solve problems of palaeogeography, palaeoecology and phylogeny. Recipients will not be limited to palaeontologists based in the British Isles, although it is anticipated that this region will form an important element of their research programme. The fifth Palaeontographical Society Medal (2022) was awarded to:

Professor Susan Evans (University College London), preeminent expert on the early evolution of lissamphibians (frogs, salamanders, and allies) and squamate reptiles (lizards, snakes, and allies).

The sixth Palaeontographical Society Medal will be awarded in April 2024, and we welcome nominations and suggestions for future recipients. Nominations should include a letter from one or more individuals outlining the reasons for nomination. Please contact the Secretary Dr Elsa Panciroli, at secretary@palaeosoc.org or visit our website for more details, or to submit your nomination.

Richard Owen Research Fund

The Richard Owen Research Fund aims to provide awards in the region of £500 for research on the UK fossil flora and fauna. Two grants were awarded in 2023:

Dr Georgios Georgalis (Polish Academy of Sciences), The Lizards and Snakes from Hordle and Other Eocene Localities of the UK.
Prof Paul Barrett (Natural History Museum, London), The Wealden Ornithopod Dinosaur *Hypsilophodon foxii*.

Reports on one of the projects awarded in 2022 appears below. The next closing date for applications is 28th February, 2024, and the successful applicant(s) will be announced at the AGM. Please see our website or contact the Secretary, Dr Elsa Panciroli at secretary@palaeosoc.org, for further information.

Edward Forbes Prize

The Society invites applications for the Edward Forbes Prize, which aims to recognize outstanding contributions by early career researchers in the field of taxonomic and systematic palaeontology (encompassing invertebrates, vertebrates, palaeobotany and microfossils). The Prize, which is to be awarded for publication excellence, comprises £250 and a one-year membership of the Society. The Prize will be awarded at the Society's Annual General Meeting each year. Full criteria for eligibility are posted on the Society's website. The Edward Forbes Prize was presented in 2023 to:

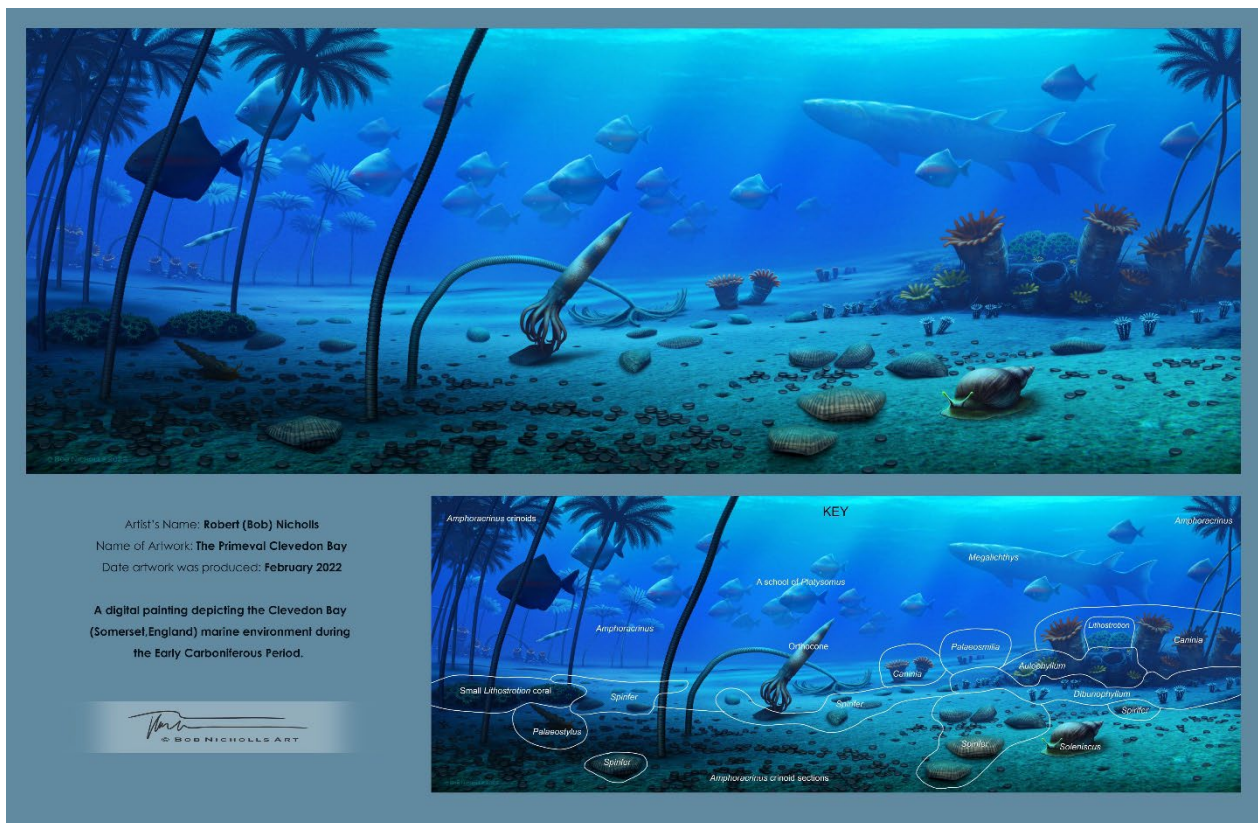
Dr Alessandro Carniti (Università degli Studi di Milano) for his paper: Brachiopod fauna from uppermost Visean (Mississippian) mud mounds in Derbyshire, UK. *Acta Palaeontologica Polonica*, 67(4).

We invite submissions for the 2024 award on the basis of any eligible article that was published in 2023. Applications should be addressed to the Secretary (Dr Elsa Panciroli at secretary@palaeosoc.org) and must be received by the closing date of 28th February, 2024. The decision of the Prize Committee will be announced at the Society's AGM. The successful applicant will be informed in advance, so that they may attend the meeting if they wish.

Marsh Palaeoart Award

The Marsh Palaeoart Award recognises talent in the depiction of fossil fauna and flora, in keeping with the foundational aims of the Society. The award is supported by the Marsh Charitable Trust. Artists can submit up to three works in any medium, including traditional paint, ink, digital, and sculpture. The overall winner will receive £500 + 1 year's membership of PalSoc, and a certificate. Highly commended entries will receive 1 year's membership of PalSoc, and a certificate. Submissions open in Autumn, and the winners are announced in January of the following year, and awarded at the subsequent AGM. The inaugural Marsh Palaeoart Award went to:

Overall Winner: Bob Nicholls for *The Primeval Clevedon Bay*

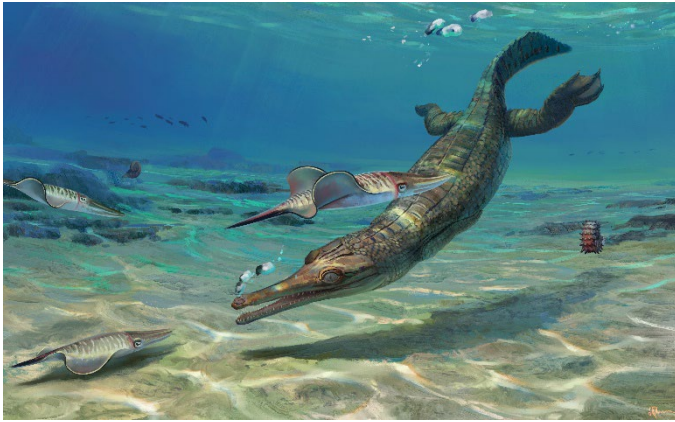


A digital painting depicting the marine environment of Clevedon Bay (Somerset, England) during the Early Carboniferous Period. It is one of three paintings commissioned by Professor Sir Stephen Sparks and the Clevedon Pier & Heritage Trust to illustrate the ancient environments preserved in the Clevedon Bay geology. The painting is exhibited on a large graphic board overlooking Clevedon Bay, and on the Clevedon Pier website.

The judges felt this piece had a wonderful balance of being a bustling scene, full of life, without feeling staged or overcrowded. There is attention to detail in every organism, even those classically overlooked in palaeoartistic reconstructions. The composition and lighting are beautiful, and the judges were delighted to see invertebrates taking center stage. The key made this piece both educational as well as creatively accomplished. We liked the fact that everything in this scene could be found in a single piece

of rock from this formation. There is no one 'hero' in the piece, but a whole cast of interesting charismatic organisms. A wonderful example of breathing life into 'everyday' fossils, the kind you can find yourself when out fossil hunting as a member of the public.

Highly Commended: Júlia d'Oliveira for *Turnersuchus: The Crocodile in the Sea of Belemnites*



A *Turnersuchus*, the oldest known thalattosuchian (an extinct group of marine crocodile relatives), chases after a group of belemnites in a shallow sea environment. It is known from the Belemnite Marls Member of the Charmouth Mudstone Formation, dating to the Early Jurassic Period. This piece was noted for its compelling creativity and visual expressiveness. It stood out for not only being scientifically accomplished, but for the stunning portrayal of light refracting and playing across the fossil crocodile and the sea bed.

Highly Commended: Matt Humpage for *Asteroxylon mackiei: an extinct plant from the Rhynie Chert*



A photorealistic life reconstruction of the crown of *Asteroxylon mackiei*, an extinct genus of Devonian Lycopoid from the Rhynie Chert (Aberdeenshire, Scotland). This piece was noted for its impressive technical skill, and the 'science to art journey'. The model in this photorealistic image was created from challenging thin-section data and used in actual scientific analyses, but then formed the basis for this unusual piece of botanical palaeoart. A unique work, the judges felt they had not seen anything quite like it before.

Newsletter compiled by our **Secretary, Dr Elsa Panciroli, January 2024**
You can contact her about any of the items featured here via our website, or at
secretary@palaeosoc.org

Twitter: @Palaeo_Soc

Facebook: www.facebook.com/ThePalaeontographicalSociety

PALSOC RESEARCH FUND REPORT

Palaeoneurology of *Eustreptospondylus oxoniensis* (Megalosauroida, Theropoda) and the Palaeoecology of British Theropods

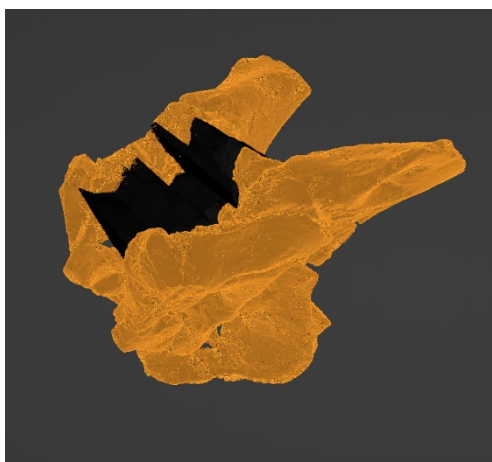


Figure 1: Digital reconstruction of the braincase (orange) and endocast (black) of *Eustreptospondylus*

Mr Cassius MORRISON
Natural History Museum, London

The holotype of *Eustreptospondylus oxoniensis* from the Oxford Clay Formation of southern England (Sadler et al., 2008) includes one of only five braincases known for British theropod dinosaurs, alongside the megalosauroids *Baryonyx*, *Riparovenator* and *Ceratosuchops inferodios* and an undescribed theropod from the Wealden.

Megalosauroida contains two clades: Megalosauridae and Spinosauridae with the latter known for their sub-aqueous lifestyle. Evidence suggests a sub-aqueous lifestyle was also present in megalosauroids, this ranges from stomach contents of *Poekilopleuron* and *Dubreuillosaurus*, feeding traces in a saltwater lagoon, and the fact that they lived in habitats where herbivorous taxa were absent or scarce (Allain, 2005; Razzolini et al., 2016). Endocast reconstruction enables the sensory capabilities of extinct

taxa to be analysed allowing their biology and palaeoecology to be studied. Due to the rarity and fragmentary nature of megalosauroids – which might be the result of having a unique ecological niche within Mesozoic ecosystems – very few CT endocasts of megalosauroids have been reconstructed, limiting investigations into their sensory capabilities.

I am very grateful that the Richard Owen Award allowed for the holotype and only braincase of *Eustreptospondylus* to be transported from the Oxford University Museum of Natural History to the Natural History Museum in London for micro CT scanning. In addition, the funds covered my trip to the Isle of Wight to examine *Riparovenator* and *Ceratosuchops*. The CT scans came out beautifully due to the exceptional preservation (Figure 1), and that allowed me to digitally reconstruct the braincase of *Eustreptospondylus* and endocast, including many of the cranial nerves and the preserved parts of the inner ear.

Preliminary results suggest that the resting head position of *Eustreptospondylus* may be more similar to *Irritator* than *Allosaurus* (Rogers, 1998; Schade et al., 2020), implying that it may have been a semi-aquatic or aquatic hunter as theorised by Sadler et al. (2008) in their Palaeontographical Society Monograph. Due to the very limited specimens of megalosauroids of different ontogenetic ages, when comparing the two Isle of Wight specimens and the subadult *Eustreptospondylus* there is the potential that there is a different relationship between *Riparovenator* and *Ceratosuchops* than originally proposed by the authors, if ontogenetic variation in other non- and basal coelurosaurs are applied more broadly to the clade. This requires further investigation.

Comparisons and detailed description of the undescribed Wealden theropod have revealed that the Wessex Formation likely had a more phylogenetically diverse theropod faunal assemblage than previously thought. This is because this undescribed specimen can be referred to Megaraptora, a clade not previously documented in Europe. Primarily known from Gondwana, the new occurrence of this clade has important biogeographical and evolutionary ecological implications for Megaraptora. A paper describing this material is in preparation and hopefully will be published soon.

This research provides evidence for more diverse ecologies among predatory theropods than traditionally assumed. It suggests potentially different ecological niches within the theropod dietary guilds in faunal assemblages such as those from the Morrison and Huincul formations, which include five or more medium- to large-sized sympatric predatory taxa. Dietary guild diversity will be further explored, complementing this study, in the other strand of my PhD research using dental microwear texture analysis (DMTA). Palaeoecological analyses have often focused on taxa from other parts of

the world, such as North America, with British taxa taking a subsidiary role but this research illustrates their importance in understanding theropod ecology.

REFERENCES

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- BARKER, C.T., HONE, D.W., NAISH, D., CAU, A., LOCKWOOD, J.A., FOSTER, B., CLARKIN, C.E., SCHNEIDER, P. and GOSTLING, N.J. 2021. New spinosaurids from the Wessex Formation (Early Cretaceous, UK) and the European origins of Spinosauridae. *Scientific Reports*, **11**(1), 1-15.
- RAZZOLINI, N.L., OMS, O., CASTANERA, D., VILA, B., SANTOS, V.F.D. and GALOBART, À. 2016. Ichnological evidence of megalosaurid dinosaurs crossing Middle Jurassic tidal flats. *Scientific reports*, **6**(1), 1-15.
- SADLIER, R., BARRETT, P.M. and POWELL, H.P. 2006. The Anatomy and Systematics of *Eustreptospondylus Oxoniensis*, A Theropod Dinosaur from the Middle Jurassic of Oxfordshire, England. *Monographs of the Palaeontographical Society*, **160**.
- SCHADE, M., RAUHUT, O. and EVERS, S. 2020. Neuroanatomy of the spinosaurid *Irritator challengerii* (Dinosauria: Theropoda) indicates potential adaptations for piscivory. *Scientific Reports*, **10**(1), 1-9.

CATALOGUE OF MONOGRAPHS PUBLISHED OR COMPLETED SINCE 2019

- Vol. 177 (for 2023):
666. **Gallagher, E.E. & Harper, D.A.T.** Silurian brachiopods from the Pentland Hills, Scotland, 1–69, pl. 1–13.
665. **Bonsor, J.A., Lockwood, J.A.F., Leite, J. V., Scott-Murray, A. & Maidment, S.C.R.** The osteology of the holotype of the British iguanodontian dinosaur *Mantellisaurus atherfieldensis*, 1–63, pl. 1.
- Vol. 176 (for 2022):
664. **Maidment, S.C.R., Chapelle, K.E.J., Bonsor, J.A., Button, D. & Barrett, P.M.** Osteology and relationships of *Cumnorina preswichi* (Ornithischia: Ornithopoda) from the Late Jurassic of Oxfordshire, UK, 1–55, pls. 1–12.
663. **Siveter, D.J.** British Silurian Beyrichiacea (Ostracoda). Part 2, 77–157, pls. 28–47.
662. **Hodges, P.** The Early Jurassic Bivalvia from the Hettangian and Lower Sinemurian of South-West Britain. Part 4, 145–330, pls. 15–41.
- Vol. 175 (for 2021):
661. **Sangster, S.** The osteology of *Dimorphodon macronyx*, a non-pterodactyloid pterosaur from the Lower Jurassic of Dorset, England, 1–48, pls. 1–4.
660. **Kershaw, S., Da Silva, A.-C., & Sendino, C.** British Silurian stromatoporoids. Faunas, palaeobiology, and palaeogeographical significance, 1–92, pls. 1–22.
- Volume 175 (for 2021) published December 2021:
659. **Hooker, J.J.** The Mammals of the Late Eocene – Early Oligocene Solent Group. Part 1, Introduction and Euarchonta: Nyctitheriidae, 1–147, pls. 1–48.
- Volume 174 (for 2020) published May 2021:
658. **Donovan, S.K. & Fearnhead, F.E.** The British Devonian Crinoidea, Part 2, Addendum to Part 1, Cladida, Disparida and columnals, 57–148, pls. 16–29.
- Volume 174 (for 2020) published February 2021:
657. **Slipper, I.J.** Ostracoda from the Turonian of South-East England, 47–168, pls. 10–26.
- Volume 174 (for 2020) published September 2020:
656. **Kennedy, W.J.** The Ammonoidea of the Upper Chalk, 113–232, pls. 38–65.
- Volume 173 (for 2019) published November 2019:
654. **Kennedy, W.J.** The Ammonoidea of the Upper Chalk, Part 1, 1–112, pls. 1–37.
- Volume 173 (for 2019) published December 2019:
655. **Slipper, I.J.** Ostracoda from the Turonian of south-east England, Part 1, 1–75, pls. 1–9.

PALAEONTOGRAPHICAL SOCIETY

Established 1847
Registered Charity No. 228372

REPORT OF THE COUNCIL

for year 2022-2023

Read and adopted at the 176th Annual General Meeting, held as a hybrid event at the Natural History Museum in London on the afternoon of the 26th April 2023, Dr Caroline Buttler, The President, in the Chair.

In 2022-23 the society continued its work publishing monographs and funding research. We published Volume 177 (parts 665 and 666) in 2023. Our issues with monographs not being distributed by our printers to our members appears to have been fixed, although we invite members to contact us if they are still having problems.

Two Richard Owen Awards were made at the AGM in 2023 to Dr Georgios Georgalis (Polish Academy of Sciences), and former president Prof Paul Barrett (Natural History Museum, London). Our Edward Forbes Prize was awarded to Dr Alessandro Carniti (Università degli Studi di Milano). The Palaeontographical Society Medal was awarded to former Vice-President Professor Susan Evans. We also announced the new Marsh Palaeoart Award, sponsored by the Marsh Charitable Trust. This is particularly exciting, as it ties into the reasons for our establishment over 175 years ago, which is the depiction of fossil faunas of the British Isles.

The balance shown in the Statement of Accounts stands at £101,187.47. The income over Expenditure is £5,005.54

Following the Annual General Meeting, Dr Yves Candela retired as Vice-President, and Dr Laura Cotton and Dr Imran Rahman retired as Ordinary Members of Council. Dr Caroline Buttler was re-elected as President, Dr Elsa Panciroli was re-elected as Secretary, Miss Emma Bernard was elected as Vice President, Dr Timothy McCormick was re-elected as Treasurer, Dr Ben Moon, Dr Susan Beardmore and Dr Lucy McCobb were re-elected as Editors, Dr Anthony Butcher was re-elected as Web Officer, and Dr Michela Johnson, Dr Jeffrey R. Thompson and Dr Neil Clark were re-elected as Ordinary Members. Ms Amber Wood-Bailey was elected as Ordinary Member. Mr Cassius Morrison was later co-opted as Communications Officer after the AGM, as the role was still vacant.

COUNCIL 2023-2024

President

Dr Caroline Buttler

Vice-Presidents

Dr Nigel Ainsworth, Miss Emma Bernard

Treasurer

Dr Timothy McCormick

Secretary

Dr Elsa Pancioli

Editors

Dr Ben Moon, Dr Susan Beardmore and Dr Lucy McCobb

Communications Officer

Mr Cassius Morrison *Co-opted*

Web Officer

Dr Anthony Butcher

Ordinary Members

Dr Michela Johnson, Dr Jeffrey R. Thompson, Ms Amber Wood-Bailey, Dr Neil Clark

Thanks and Acknowledgments

We would like to thank our speakers for our 2023 AGM, Dr Tori Herridge (Natural History Museum, London) and Dr Frankie Dunn (Oxford University Museum of Natural History) for their talks, and our previous award winners, Dr Juan Benito (University of Cambridge), Dr Simon Penn (University of Portsmouth), and Dr Daniel Cashmore (University of Birmingham) for their short talks on the research funded by our Richard Owen Award. Thanks to Taylor and Francis for publication of our monographs, and the Marsh Charitable Trust for supporting our new Marsh Palaeoart Award.

Independent Examiner's report to the Trustees of the Palaeontographical Society

I report on the accounts of the Palaeontographical Society for the year ending 31st December 2022.

Respective responsibilities of trustees and examiner

The charity's trustees are responsible for the preparation of the accounts. The charity's trustees consider that an audit is not required for this year under section 144 of the Charities Act 2011 (the Charities Act) and that an independent examination is needed.

It is my responsibility to:

- i. examine the accounts under section 145 of the Charities Act,
- ii. to follow the procedures laid down in the general Directions given by the Charity Commission under section 145(5)(b) of the Charities Act; and
- iii. to state whether particular matters have come to my attention.

Basis of independent examiner's statement

My examination was carried out in accordance with general Directions given by the Charity Commission. An examination includes a review of the accounting records kept by the charity and a comparison of the accounts presented with those records. It also includes consideration of any unusual items or disclosures in the accounts, and seeking explanations from the trustees concerning any such matters. The procedures undertaken do not provide all the evidence that would be required in an audit, and consequently, no opinion is given as to whether the accounts present a 'true and fair view' and the report is limited to those matters set out in the statement below.

Independent examiner's statement

In connection with my examination, no matter has come to my attention

- (1) which gives me reasonable cause to believe that, in any material respect, the requirements:
 - to keep accounting records in accordance with section 130 of the Charities Act, and
 - to prepare accounts which accord with the accounting records and comply with the accounting requirements of the Charities Acthave not been met; or
- (2) to which, in my opinion, attention should be drawn in order to enable a proper understanding of the accounts to be reached.



Name: Dr Stewart G. Molyneux

Address: 71 Mount Pleasant, Keyworth, Nottingham NG12 5EG, UK

Date: 19th April 2023

Income and Expenditure Account for the Financial Year 2022 (ending 31/12/2022)

Income (£)	2022	2021	2020
Members subscriptions ¹	£2,584.53	£1,996.38	£2,219.71
Stocks and shares dividends	£19,360.32	£9,406.67	£1,214.85
"Hands on Palaeo" royalty	£189.95	-	-
CUP royalty	£51.60	-	-
Informa UK royalty	£6,296.35	£6,872.40	£5,643.49
Informa UK Editors Fund	£1,500.00	£1,500.00	£1,500.00
Informa UK Bursary	£500.00	-	-
Misc EBSCO payments	£124.00	-	-
Compensation from NatWest ²	-	£100.00	-
Refunded bank charges	-	-	£3.14
Returned 2017 R Owen award	-	-	£700.00
	£30,606.75	£19,875.45	£11,281.19

Expenditure (£)

Annual Report printing & mailing	£200.18	£138.02	£104.17
Monograph typesetting ³	£17,640.00	-	-
E Forbes Prize	£250.00	£250.00	£250.00
R Owen Research Fund	£1,001.80	£1,000.00	£2,661.30
Palaentographical Society medal	-	-	£29.34
SVP&A sponsorship	£500.00	-	-
11th Intl. Symp. Cephalopods sponsorship	£500.00	-	-
Donation to Many Anning Statue Appeal	-	£1,050.00	-
Donation to Rutland Ichthyosaur Dig	-	£1,000.00	-
AGM / Annual Address ⁴	£1,190.97	-	-
Council expenses ⁵	£1,006.26	£64.75	£549.16
Website expenses	£3,312.00	-	£3,312.00
	£25,604.21	£3,502.77	£6,905.97

Balances carried forward at year start:

	2022	2021	2020
Current A/C	£96,893.46	£82,027.16	£78,932.65
PayPal	£14,243.44	£12,737.06	£11,456.35
	£30,606.75	£19,875.45	£11,281.19
	£141,743.65	£114,639.67	£101,670.19

Balances carried forward at year end:

	2022	2021	2020
Current A/C	£101,187.47	£96,893.46	£82,027.16
PayPal	£14,954.97	£14,243.44	£12,737.06
	£25,601.21	£3,502.77	£6,905.97
	£141,743.65	£114,639.67	£101,670.19

Income over expenditure:

	£5,005.54	£16,372.68	£4,375.22
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Schedule of Investments and Income for 2022

Wide Range	Cost (£)	Market Value (£)	2022 Income (£)
8262.755 units M&G Charifund	£62,645.78	£121,422.84	£15,761.20
57787.805 units M&G Managed Growth Fund	£1,187.70	£72,374.41	£1,349.12
868 units Shires Income PLC 50p ordinary shares	£910.51	£2,261.14	£119.78
5920 units Securities Trust of Scotland Ordinary Shares	£655.27	£13,320.00	£433.64
	£65,399.26	£209,378.39	£17,663.74
SR Units			
3126.21 COIF Charity, Invest Inc	£20,061.55	£56,818.55	£1,696.58
Total Investments	£85,460.81	£266,196.94	£19,360.32
Income from Bulman Fund (extracted from above account)			
719.69 units M&G Charifund	£7,807.77	£10,578.24	£1,373.10
639 units M&G Charifund	£748.91	£9,392.23	£1,219.15
	£8,556.68	£19,970.46	£2,592.25

I have examined the above account, have compared it with the vouchers, books and records presented to me, and find it to be correct.



Dr S.G. Molyneux, Examiner
19th April 2023

Notes:

1. Subscriptions are accounted for in the year in which they are credited to the current account.
2. NatWest paid a nominal sum into the account in recognition of an error on their part.
3. After several years of typesetting by Taylor & Francis the Society took this over again in 2022.
4. There was no AGM in 2020 and the 2021 AGM was a virtual event with no associated expense.
5. The 2020 and 2021 values reflect reduced expenses during the pandemic.