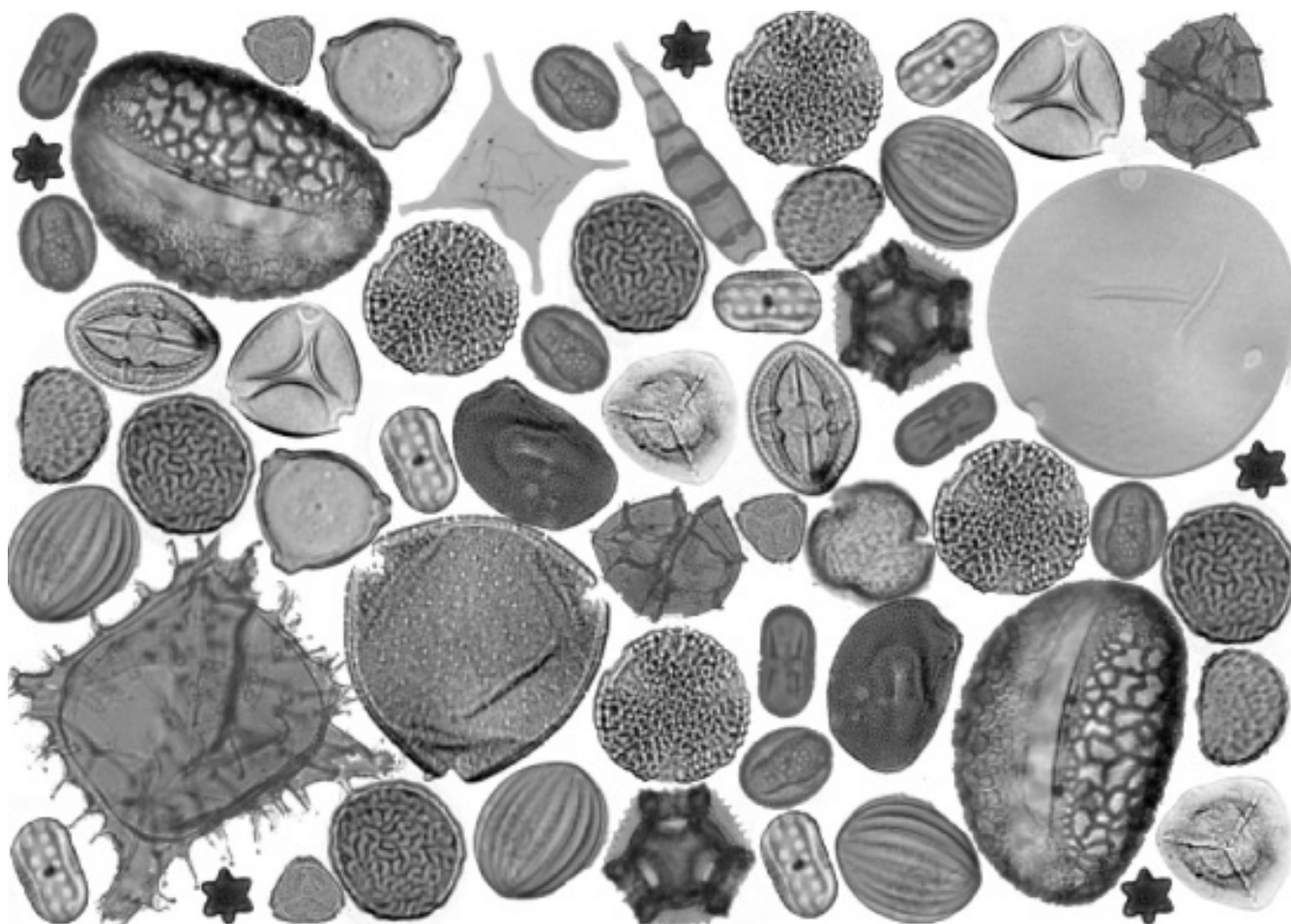




AASP – The Palynological Society

Promoting the Scientific Understanding of Palynology since 1967



NEWSLETTER

June 2022
Volume 55, Number 2

Published Quarterly



AASP – TPS NEWSLETTER

Published Quarterly by AASP – The Palynological Society

March 2022, Volume 55, Number 1

CONTENTS

Page 3 | List of AASP – TPS awardees

Page 4 | Board of Directors and upcoming deadlines

Page 5 | A Message from our President

Page 6 | Managing Editor's Report

Page 8 | AASP – TPS 50th Anniversary Jewelry Collection

Page 9 | AASP – TPS is against racism!

Page 10 | AASP Awards News

Page 16 | Call to Serve - Newsletter open positions

Page 16 | AASP Foundation Report

Page 17 | AASP Foundation Century Club

Page 18 | Profiles in Palynology

Page 20 | What's this palynomorph?

Page 22 | Upcoming meetings



AASP

The Palynological Society

The American Association of Stratigraphic Palynologists, Inc. - AASP – The Palynological Society - was established in 1967 by a group of 31 founding members to promote the science of palynology. Today AASP has a world-wide membership of about 200 and is run by an executive comprising an elected Board of Directors and subsidiary boards and committees. AASP welcomes new members.

The AASP Foundation publishes the journal *Palynology* (quarterly), the AASP Newsletter (quarterly), and the AASP Contributions Series (mostly monographs, issued irregularly), as well as several books and miscellaneous items. AASP organises an Annual Meeting which usually includes a field trip, a business luncheon, social events, and technical sessions where research results are presented on all aspects of palynology.

AASP-TPS Scientific Medal recipients

Professor William R. Evitt (awarded 1982)
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Professor Svein B. Manum (awarded 2002)
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Dr. Robin Helby (awarded 2005)
Dr. Satish K. Srivastava (awarded 2006)
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Professor Vaughn M. Bryant (awarded 2016)
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Professor Vaughn Bryant (awarded 2005)
Professor Alfred Traverse (awarded 2005)
Professor Bernard Owens (awarded 2011)
Dr. John E. Williams (awarded 2013)
Mr. Paul W. Nygreen (awarded 2013)
Professor Norman Norton (awarded 2016)
Professor George F. Hart (awarded 2020)

AASP-TPS Board of Directors Award recipient

Dr. Robert T. Clarke (awarded 1994)
Dr. Thomas D. Demchuk (awarded 2014)

AASP-TPS Medal for Excellence in Education

Professor Aural T. Cross (awarded 1999)
Professor Alfred Traverse (awarded 2001)
Professor Bill Evitt (awarded 2006)
Professor Vaughn M. Bryant (awarded 2013)
Professor Geoffrey Clayton (awarded 2016)
Professor Sophie Wary (awarded 2021)

AASP-TPS Distinguished Service Award recipients

Dr. Robert T. Clarke (awarded 1978)
Dr. Norman J. Norton (awarded 1978)
Dr. Jack D. Burgess (awarded 1982)
Dr. Richard W. Hedlund (awarded 1982)
Dr. John A. Clendening (awarded 1987)
Dr. Kenneth M. Piel (awarded 1990)
Dr. Gordon D. Wood (awarded 1993)
Dr. Jan Jansonius (awarded 1995)
Dr. D. Colin McGregor (awarded 1995)
Professor John H. Wrenn (awarded 1998)
Professor Vaughn M. Bryant (awarded 1999)
Dr. Donald W. Engelhardt (awarded 2000)
Dr. David T. Pocknall (awarded 2005)
Dr. David K. Goodman (awarded 2005)
Professor Owen K. Davis (awarded 2005)
Dr. Thomas Demchuk (awarded 2009)
Professor Reed Wicander (awarded 2014)
Professor Fredrick Rich (awarded 2016)
Dr. James B. Riding (awarded 2016)
Professor Martin B. Farley (awarded 2019)



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Jan Hennissen, Editor

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To express interest in open positions, please send an email to: aaspnews@gmail.com

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AASP NEWSLETTER EDITOR

Jan Hennissen, aaspnews@gmail.com, Keyworth, UK

AASP NEWSLETTER GRAPHIC DESIGN (December 2021 Issue)

Filipe Barreira, Laboratório Nacional de Energia e Geologia (LNEG), S. Mamede Infesta, Portugal

The AASP – TPS Newsletter is published four times annually. Members are encouraged to submit articles, “letters to the editor,” technical notes, meetings reports, information about “members in the news,” new websites and information about job openings. Every effort will be made to publish all information received from our membership. Contributions which include photographs should be submitted two weeks before the deadline. **Deadline for submission for the next issue of the newsletter is May 15.** All information should be sent by email. If possible, please illustrate your contribution with art, line drawings, eye-catching logos, black & white photos, colour photos, etc. **We DO look forward to contributions from our members.**

A Message From Our President

Dear Colleagues and Friends,

At the time of writing, the board and the conference organising committee are busy making the final preparations for our upcoming annual meeting, which will be held in Manizales, Colombia (7th to 11th August). This will be the society's first in-person meeting since Ghent 2019, and I'm sure many of you are eager for the opportunity to catch up with old acquaintances and make new connections.

Conference registration remains open until the 1st of August, so it's not too late to sign up! However, places on the fieldtrips are limited, so please book as soon as possible if you want to participate. The meeting will be a hybrid event, which also includes the pre- and post-conference workshops, so if you are unable to travel to Colombia, then we really hope that you will join us online.

As mentioned in my previous letter, the AASP-TPS board of directors have decided to offer additional support for student travel to the annual meeting through our Student Travel Awards programme. The Awards Committee received several high-quality applications this year. While this undoubtedly made the committee's evaluation process more difficult, it reflects extremely well on the standard of research being conducted by our early career members. Biographies and research statements for the awardees are presented on pages 10–15 of this Newsletter. On behalf of the board, I offer congratulations to this year's winners, and I look forward to your presentations in Manizales.

Thank you to everyone that participated and voted in the recent election. The ballots are now closed and we are very excited to welcome the new board members at the incoming meeting in August.



You may have noticed some recent changes to the AASP-TPS website. Thank you to Fabienne and Julia for their hard work in creating the new layout. We plan further updates over the coming months. We are always seeking new content, so if you have any ideas and wish to contribute, please let us know.

Finally, I wish to highlight a couple of new features in the newsletter. In the "Profiles in Palynology" column (pages 18–19), members are invited to contribute short biographies of notable palynologists who have made significant contributions to the discipline. The "Mystery Palynomorph" feature (introduced in NL Volume 55, 2) provides an opportunity for readers to share photos of and comment on enigmatic specimens that defy classification. While there are no prizes for correct answers, you will earn bragging rights among your peers, which should be motivation enough!

Enjoy your summer and I hope to see you in Colombia!

Best regards,

Niall

Managing Editor's Report

The second part of Volume 46 of *Palynology* was published online on the 18th of April 2022. This issue comprises 10 items, all of which are listed below.

Part two includes two sizable papers. One of them is by Reed Wicander and Geoffrey Playford on Early Devonian aquatic palynomorphs from Tennessee, USA. The other is authored by Alina Iakovleva and two collaborators on Eocene dinoflagellate cysts from a large amber quarry on the coast of the Baltic Sea.

The other eight contributions are also of very high quality, and these address a substantial variety of palynological topics.

This issue will be printed, together with Part 1, and distributed to those members who have opted for paper copies very shortly (at the time of writing). Part three of this year's volume will be issued online during late July/early August.

One of the items in Volume 46/2 is an editorial piece on the formatting of manuscripts. I would remind all readers that we have an entirely open-door policy for editorials/opinion pieces and the like, subject to scrutiny by the team of editors. You do not have to be a member of AASP - TPS to submit one of these items. If you have a burning and relevant issue that you would like to discuss, then feel free to submit a draft.

Manuscript submission continues to be very healthy indeed, and we are very grateful for this superb level of engagement. Thank you very much for your support of the journal!

Jim Riding on behalf of the Editorial Team

17th February 2022

James B. Riding

Managing Editor,

AASP – The Palynological Society

British Geological Survey

Keyworth

Nottingham NG12 5GG

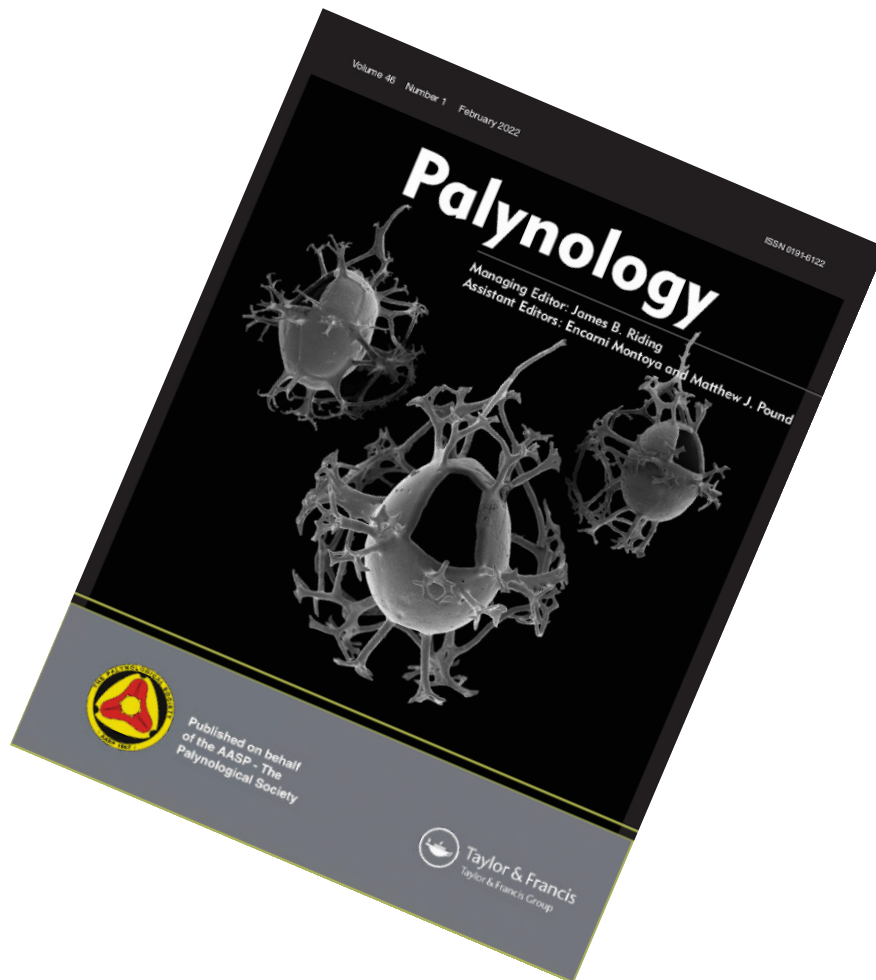
United Kingdom

Tel: +44 (0)115 9363447

E-mail: jbri@bgs.ac.uk

The contents of *Palynology* Volume 46, Part 1 (February 2022)

1. Riding, J.B. The trials and tribulations of formatting (and reformatting) manuscripts. Article number 2020452, 2 pp.
2. Césari, S.N., Limarino, C.O., Marensi, S., Ciccioli, P.L., Bello, F.C., Ferreira, L.C., Scarlatta, L.R. and Friedman, R. High-precision U-Pb CA-ID-TIMS calibration of the Permian *Lueckisporites*-dominated assemblages in westernmost Gondwana: inferences for correlations. Article number 1968060, 20 pp.
3. Gomes, B.T., Absy, M.L., D'Apolito, C., Caballero-Rodríguez, D., Martínez, C. and Jaramillo, C. Miocene paleoenvironments and paleoclimatic reconstructions based on the palynology of the Solimões Formation of Western Amazonia (Brazil). Article number 1980129, 19 pp.
4. Kondas, M., Filipiak, P. and Breuer, P. *Teileostomata rackii* gen. et sp. nov.: an acritarch from the Devonian (Givetian) of south-central Poland. Article number 1982788, 8 pp.



5. Wicander, R. and Playford, G. Acritarchs and prasinophytes from the Lower Devonian (Lochkovian) Ross Formation, Tennessee, USA: stratigraphic and paleogeographic distribution. Article number 1980917, 50 pp.
6. Cartaxo-Pinto, S., Jackes, B.R., Marinho, E.B., Gonçalves-Esteves, V. and Mendonça, C.B.F. Pollen analysis of representatives of the tribes Ampelopsidae, Cayratieae and Parthenocisseae and evolutionary history of Vitaceae genera. Article number 1998240, 15 pp.
7. Iakovleva, A.I., Aleksandrova, G.N. and Mychko, E.V. Late Eocene (Priabonian) dinoflagellate cysts from Primorsky quarry, south-east Baltic coast, Kaliningrad Oblast, Russia. Article number 1980743, 40 pp.
8. Marín-Henao, D., Quijano-Abril, M., Sánchez, C.E.G., Calvo-Cardona, S.J. and Zapata-Vahos, I.C. Limited foraging overlap between introduced *Apis mellifera* and native *Melipona eburnea* in a Colombian moist forest as revealed through pollen analysis. Article number 2006353, 14 pp.
9. Landi, L.A.D.C., Torrati-Guioi, P.G. and Gasparino, E.C. Pollen morphology of Boraginaceae s.l. from Brazilian forest fragments: aperture types and ornamentation on Cordiaceae and Heliotropiaceae. Article number 2006354, 13 pp.
10. Vieira, M. and Mahdi, S. New Late Cretaceous to earliest Paleogene (Campanian–Danian) dinoflagellate cysts from the Møre Basin, offshore Norway. Article number 2006817, 19 pp.

AASP – TPS 50th Anniversary Jewelry Collection

Exclusive, Custom-made 50th Anniversary Jewelry

Limited-Edition and availability



Special thanks to John Firth and Ingrid Romero for palynomorph images.

Celebrate the 50th anniversary of AASP – The Palynological Society with a beautiful, sterling silver palynomorph necklace. The Society board worked with jeweler and designer, 'Science-inspired jewelry', to create these one-of-a-kind, unique necklaces in honor of our golden anniversary. There are a limited number available of two designs, a dinoflagellate cyst of ***Diphyes recurvatum*** and a pollen grain of ***Macrolobium multijugum***. They are sterling silver and each measure c.3/4" diameter.

Each necklace comes with a commemorative information card that includes a picture and description of the palynomorph. **The society is selling them for \$150.00 (for members) and \$170.00 (for non-members).** This is a wonderful way to support AASP and is a great conversation starter!

Payment can be arranged by contacting the AASP-TPS Treasurer, Vladimir Torres, at vladimir.torres@exxonmobil.com. Necklaces can be mailed at your request.



AASP-TPS is against racism!

AASP- The Palynological Society takes great pride in being home to a diverse group of early career and professional members internationally. We therefore aim to promote and embody an inclusive and equitable culture that is free from discrimination.



Awards News

By Marie Thomas & Jan Hennissen

In May, the AASP-TPS Awards Committee evaluated applications for the Student Research Awards and Student Travel Awards to attend this year's AASP-TPS Annual Meeting in Manizales, Colombia.

Below are the biographies of the first part of recipients of the Student Awards. The remaining biographies will be included in the September Issue of the Newsletter (Volume 55, Nr. 3).

Student Research Awards

The Student Research Awards are to be used for costs directly connected to carrying out research, such as fieldwork and laboratory expenses, but not for travel expenses to attend a meeting. Typically, these awards are provided to students in the preliminary stages of their doctoral research, but MSc. and advanced undergraduate students may also apply.

The qualifications of the student, the novelty and imagination of the proposed project, and the likelihood of significant contribution to the science of palynology are factors that were weighed in the selection process.

Emily Elefson

Stanford University, USA

Project title: The impact of land plants on Earth systems: A palynological, palaeobotanical, and geochemical perspective

Supervisor: Prof. Erik Sperling

Biography: I began my studies at the University of Calgary (Alberta, Canada) in 2013 completing B.Sc.'s in geology and in zoology in 2018. I was first introduced to palynology the final year of my undergraduate program by Dr.

Jennifer Galloway with the Geological Survey of Canada (GSC) with whom I completed a senior thesis project looking at the recovery of plants following the Permian – Triassic extinction. I continued to pursue palynology by completing an M.Sc., again in conjunction with the University of Calgary and GSC, studying the Jurassic – Cretaceous transition and the tectonostratigraphic architecture of the Canadian Arctic. Following completion of my M.Sc. in 2021 I started a Ph.D. at Stanford University (California, USA) where I will focus on Silurian – Devonian palynology and linking palynological and geochemical records. in order to understand the effect of plant terrestrialization on the Earth system.



Student Research Award 2022 Recipient Emily Elefson.

Research: The diversification and spread of terrestrial plants was one of the most profound changes in the history of Earth. While it is long accepted that the evolution of terrestrial plants had considerable impact on Earth systems, there are still widely varying views about the extent to which the emergence of land plants increased global productivity,

drove atmospheric oxygenation, and altered the global marine redox landscape. The goals of this project are to connect and evaluate the effects of plant evolution on the marine redox record through palynology, palaeobotany, and geochemistry. Stratigraphic successions spanning the Silurian-Devonian transition, both in Alaska (USA), and the Canadian Arctic provide an exceptional opportunity to characterize both marine and terrestrial processes across the Silurian-Devonian transition and to explore the impact of land plant evolution on Earth systems. The generation of palaeobotanical and palynological records from these successions will be used to track changes in plant diversity. If palynomorph and plant macrofossil diversity and abundance changes in tandem with shifts in geochemical redox tracers this will allow for the detailed, high-resolution linkage of plant evolution and marine geochemistry through the Silurian-Devonian interval.

Student Travel Award – Manizales, Colombia 2022

The Student Travel Awards are designed to support travel for student members who intend to present a talk or poster at the AASP-TSP annual meeting, this year held in Manizales, Colombia, August 7-11, 2022.

Christopher Card

University of Aberdeen, UK

Project title: Correlation, Provenance and Reservoir Quality of Triassic Strata in the Central North Sea, U.K.

Supervisor: Prof. Adrian Hartley

Biography: I started studying geology in 2013 at East Norfolk Sixth Form College, Gorleston, U.K. by accidentally stumbling into the wrong introduction class, although stayed and joined the A-level Geology course after finding that

it seemed to culminate many aspects of science I was drawn to (credit goes to Reuben Woolnough). In 2018 I completed a BSc in Geoscience at Keele University, U.K, where I was introduced to the principles and industrial applications of micropalaeontology by Dr Michael Montenari. It was throughout the latter stage of my undergraduate studies I began to home in on my passion for solving complex stratigraphic problems within sedimentary successions. Continuing at Keele University under the supervision of Dr Michael Montenari, I completed an MSc in Geoscience Research in 2019 investigating Lower Carboniferous deep-marine red beds from Menorca, Spain, and their relationship to oceanic redox change in the Palaeotethys as well as geochemical affinity to marine red beds throughout the Phanerozoic. After finishing my MSc, I spent a year working as a Graduate Geoscientist in Glasgow before commencing a PhD at the University of Aberdeen, U.K. in 2020 under the supervision of Prof. Adrian Hartley, Prof. David Jolley, Prof. Andrew Morton and Prof. John Howell. My first formal application of palynology has been during my PhD research focusing on Triassic continental successions of the Central North Sea, UKCS. My project utilises a multidisciplinary approach by combining palynology with multi-proxy provenance analysis to aid with our understanding of correlation, provenance, and reservoir quality of the Skagerrak Formation.

Research: Triassic fluvial successions from the Skagerrak Formation located in the Central North Sea (CNS) constitute a high-pressure- high-temperature (HPHT) play that provides important primary and secondary hydrocarbon-bearing reservoir intervals. However, exploiting these sandstone intervals is negatively impacted by a limited understanding of correlation and variations in reservoir quality. The core questions to be tested in this study are (1) can the existing heavy mineral and biostratigraphic correlation framework be succinctly combined and



Student Travel Award 2022 recipient Christopher Card.

successfully extended into unstudied wells, and (2) do variations in sediment provenance during deposition of the Skagerrak Formation impact present-day hydrocarbon reservoir quality? This project focuses upon 10 wells covering 586 m and 1238 m of core and cuttings from Triassic penetrations in UKCS quadrants 22, 29 and 30. The studied wells have been used to build composite sections through the Skagerrak Fm reservoir units across different fields. This project utilises four methodologies to generate multiproxy composite sections: (1) palynostratigraphy for age dating, correlation and palaeoenvironmental reconstruction (2) heavy mineral analysis for investigating provenance signals and correlation, (3) petrographic analysis of sandstone members to understand the framework composition and reservoir quality, (4) detrital apatite geochronology and geochemistry for investigating provenance and sediment recycling. This study aims to contribute to our understanding of defining and characterising ancient fluvial systems with different and/or mixed provenance, whilst permitting key questions to be investigated regarding the source-to-sink configuration of the CNS Basin during the Triassic. This is a Joint Industry Project (JIP) supported by the Triassic Phase 3 consortium of companies: BP, NEO Energy, Total, CNOOC and Neptune Energy.

Salma Elhadi Elnoor Hamed

Sudan University for Science and Technology

Project title: The palynology of the Red Sea Basin, SE Sudan

Supervisor: Prof. Ali Ahmed Mohamed Eisawi

Biography: I received my B.Sc. in 2020 with an honors degree in Petroleum Geology. Since my graduation, I have been working as a part-time Teaching Assistant at Sudan University for Science and Technology, where I recently started my new role as an entry-level petroleum geologist. I am looking forward to pursuing my higher studies using an inter-disciplinary approach including applied palynology to explore and characterize hydrocarbon reservoirs.



Student Travel Award 2022 recipient Salma Hamed.

Research: My research presents the first palynological results from the subsurface strata of the Sudanese Red Sea Basin. The main objective of this study is to establish a pollen spore zonation for the studied section, based on the identification of qualitative changes in the composition of palynoforal in the sections studied from two wells. The variations in the palynofora composition and the botanical affinities of pollen-spore species are used as clues to infer paleoecological and paleoclimatological conditions that prevailed during the deposition of the Red Sea succession.

Shaan Heydenrych

University of Aberdeen, UK

Project title: Biostratigraphy and palynology of Triassic sediments in the Norwegian North Sea

Supervisor: Prof. David Jolley

Biography: I completed my Bachelor of Science majoring in Geology in 2014 at Rhodes University, South Africa. It was during this time, in an undergraduate micropalaeontology class, where I became fascinated with the world of palynology and palaeoenvironmental interpretation.

I then went on to complete a BSc Honours year at the University of Pretoria, South Africa, with a dissertation focused on the palaeoenvironmental reconstruction of Permian coalfields in South Africa utilising terrestrial palynomorphs.

Following this I studied my Masters in Geoscience at Keele University, UK, focusing on Cretaceous sea level changes within the Vocontian Basin in France. This project involved palynomorphs from a shallow marine carbonate shelf analysed via palynomorph counts and ratios.

Both my Honours and Masters projects were conducted under the supervision of Prof. Annette Goetz. While undertaking my Masters year I was taught and co-supervised by Dr. Michael Montenari. Through his mentoring I was awarded The Micropalaeontological Society Student of the Year.

I had a few years out of academia and industry before deciding to pursue my PhD in Petroleum Geology at the University of Aberdeen under the supervision of Prof. Adrian Hartley and Dr. David Jolley in the start of 2021.



Student Travel Award 2022 recipient Shaan Heydenrych.

My research focuses on resolving nomenclature and correlation issues that have plagued the Triassic in both the UK and Norwegian sectors of the North Sea. Problems with correlating the Skaggerak and Smith Bank Formations in the region include; a lack of reliable biostratigraphic information, heterogeneous lithostratigraphy, the varying influence of salt tectonics, unconformities and erosion, and partial Triassic well penetrations.

Much of the Triassic sediments of the Central and Northern North Sea are dominated by the continental red-bed facies and are often barren or contain limited diagnostic biostratigraphic material. It is these red beds that are the primary target for HPHT (high pressure-high temperature) hydrocarbon reservoirs.

By conducting an in-depth palynological investigation of Triassic Strata within the Norwegian North Sea, this study aims to reconstruct palaeoenvironmental conditions, as well as construct a biostratigraphic-based correlation framework within the Norwegian Sector of the Central and Northern North Sea.

The project involves extending an existing biostratigraphic correlation scheme developed for the Triassic Skagerrak of the Central North Sea (UK and Norwegian sectors) into the northern sectors of the Norwegian Sea. This will be achieved by using a targeted sampling strategy in combination with modern palynological acid processing techniques in order to allow for a high-resolution palynological framework to be developed for use across both UK and Norwegian sectors. Changes in palynomorph (predominantly pollen and spores) species abundance and diversity will allow for the determination of depositional environment and shifts within the palaeoenvironment throughout the Triassic.

Marcelina Kondas

University of Silesia, Katowice, Poland

Project title: The Late Givetian palynology of south-central Poland

Supervisor: Prof. Paweł Filipiak

Biography and research: I am a Ph.D. student from the University of Silesia in Katowice (Poland). I started my research in the field of palynology in 2017 with a master thesis on the palynology of deep-marine Late Devonian deposits of the Peak 9559 section (Montana, USA) with Professor Paweł Filipiak as supervisor.

In fact, I had no idea about palynology, but I found it really interesting, especially the palynological record of the global and regional biotic events/crises. When I finished my master studies I was participating in different projects concerning palynology; from the Emsian up to the Famennian.

After that I decided to do something “in the middle” and I started working with the Middle Devonian deposits (Givetian-with the focus on the Taghanic Event interval) of the south-central Poland and this became the main



Student Travel Award 2022 recipient Marcelina Kondas.

object of my interests and same, the most important part of the PhD thesis. The main scope of this project is to establish a precise palynostratigraphy and to recognize the palynological record of the Taghanic Event. At the moment I am preparing to finish my Ph.D project and move forward with the new one that will be focused on the early deposits from Poland and the palynological record of the eustatic events that occurred during this interval.

Opeyemi Mary Taiwo

University of Aberdeen, UK

Project title: Building an Analytic Biofacies-Lithofacies Depositional Model for the Interpretation of Subsurface successions.

Supervisor: Prof. Paweł Filipiak

Biography: My journey in micropalaeontology started during my undergraduate days at the Federal University of Technology, Minna, Nigeria where I received my Bachelors in Geology in 2011. After graduation and the one-year mandatory National Youth Service where I served at the Ministry of Environments and

Mineral Resources in Uyo, Akwa Ibom State, Nigeria, I began my career in the academia as a graduate Assistant at the Federal University of Technology, Minna, Nigeria in 2012.

I decided to pursue my Masters degree in Biostratigraphy under the guidance of Prof. Edward Okosun. During my MSc, I worked on the Palynology, calcareous nannofossils and sequence stratigraphy of two oil wells in the Niger Delta.

On completion of my MSc. in 2016, I started lecturing undergraduates paleontology and sedimentology related courses and rose to the lecturer II rank before bagging a fully funded overseas scholarship by the Petroleum Development Technology Fund (PTDF) Nigeria for my PhD studies at the University of Aberdeen. I am currently working under Prof. David W. Jolley, Prof. Nick Schofield, Dr Manuel Vierra and Dr John Millet.

is aimed at constructing detailed lithostratigraphic and biostratigraphic models for both basins to refine the depositional environment, understand climate cycling, defining the lithologic and biologic responses to changes in the depositional system and establishing glacial-interglacial episodes. The biologic component employed for my research relies on the palynomorph recovery within these basins. Establishing sequences as they relate to glacial-interglacial cycles would help in basin wide correlation and modelling which would aid better characterisation of the basins.



Student Travel Award 2022 recipient Opeyemi Taiwo

Research: My research is focused on using climate change proxies from lithology and plant community to provide key information in deciphering changes in the Neogene record of the Kerio Valley and Lockichar Basins located in the central Kenyan Rift. The study





Call to Serve: Newsletter open positions

Not sure that you want to run for office but want to help the society?

Become a newsletter correspondent, either formally or informally! We welcome student and professional news, book reviews, reports on meetings, workshops, etc. Submissions are due on February 15, May 15, August 15, and November 15 annually.

The AASP - The Palynological Society Newsletter is a publication with an ISSN number (ISSN 0732-6041), which helps your CV!

Our newsletter is only as good as the news we receive.

Please stay in touch!

Jan Hennissen - aaspnews@gmail.com
Newsletter Editor

AASP Foundation Report

Palynological Publications from the AASP Foundation

The AASP Foundation has had a long history publishing palynological works. Books, Contribution Series, and the journal Palynology (up to #32). For many years, Bob Clarke and the late Vaughn Bryant managed not only the publishing side but also the sales, storage, and archiving side of the business. The demand for hard copy is much less now than it was, with most researchers preferring digital copies. Several years ago, we embarked on a program to scan all our publications and make them available as printable PDFs and have now scanned more than 95% of the publications. Simultaneously, we embarked on a program to reduce our stock of printed books. Recently, we sold our last hard copy of the 3-volume book "Palynology: Principles and Applications." Some books we will continue to provide in hardcopy (e.g., Kapp's "How To Know Pollen and Spores") for some time, but moving forward, most will be available as PDF only. These can be purchased online at the AASP website (<https://palynology.org/publications>). Watch for an update to the publication sales part of the website soon.

If you have any questions about publication sales, contact David Pocknall (pockodt@gmail.com).

David Pocknall
Secretary, AASP Foundation

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AASP FOUNDATION CENTURY CLUB



What?

The Century Club of the American Association of Stratigraphic Palynologists Foundation is an organization founded by the Trustees of the Foundation in order to provide persons with the opportunity to support activities of the AASP Foundation.

Why?

1. To develop an established level of giving that will continue to provide a solid financial base for the Foundation.
2. To provide unrestricted funds to support the various publishing activities of the Foundation.
3. To provide a meaningful organization and method of recognition of dedicated "friends" of the AASP Foundation.

How?

Your tax-deductible contribution of \$100 or more to the AASP Foundation entitles you to belong to the Century Club. The 2020 "membership" drive is on now. Your contribution may be made by personal check or by a pledge which is **payable on or before December 31, 2021**.

Join!

To join the Century Club, simply complete the attached Contribution/Pledge Form and mail to the address listed below.

The AASP Foundation is a 501 (c)(3) not-for-profit, public organization registered in the United States. This means that contributions to the AASP Foundation are fully deductible on your U.S. Federal Income Tax return. Also, many employers have a matching gift program whereby they match your personal gift to not-for-profit organizations. It is well worth the effort to explore this possibility concerning your gift to the AASP Foundation.

2022 AASP Foundation Century Club Contribution Form

Mail to: Thomas D. Demchuck
AASP Foundation Chair and Trustee
14419 Lotusbriar Ln.
Houston, TX 77077

Name: _____

Address: _____

Contribution Enclosed: \$ _____ I wish to pledge: \$ _____

Profiles in Palynology

By Julia Gravendyck (Germany Correspondent)

This is a new column in our newsletter which brings you a short biography of notable palynologists who shaped the history of palynology as a science and who contributed to making palynology known to the wider scientific community. All of the profiles that will be published in the Newsletter, will be added to the History section of our website (<https://palynology.org/>).

We encourage members to select palynologists and/or palaeobotanists who have been important figures for our science in their area and send a short profile to gravendyck@geowi.uni-hannover.de or aaspnews@gmail.com.

In this first installment, Julia compiled a profile of the life and career of **Robert Potonié**.

IPNI abbreviation: R.POTONIÉ

Palynological Groups: Spores and Pollen

Stratigraphic Focus: Paleozoic–Quaternary; especially Carboniferous and Tertiary coals

Geographical Focus: Germany (Geological Survey Work)

b. 02.12.1889, Berlin–Germany
dec. 26.01.1974, Krefeld–Germany

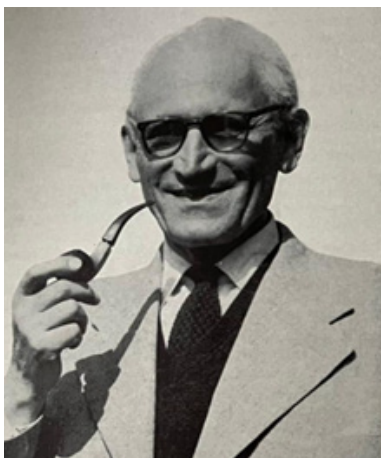
Biography: Robert Henri Hermann Ernst Potonié was born the eldest son of the French-German palaeobotanist Henri Potonié (1857–1913). His father was curator for paleobotany at the Prussian Geological Survey and Professor for geology and botany at the university in Berlin since 1900. Living just on the other side of the street of his father's workplace and joining him on field trips to the German moors, Potonié junior quickly developed a close bond with botany, coal geology, and nature in general. Aged 20 he started study-

ing geology, botany, and chemistry in Berlin in 1909; his father being amongst his professors. His doctoral dissertation ('On the microchemical proof of fossil cutinized cell walls and fossil cellulose and its significance for the geological study of coals', supervised by professor von Branca) was interrupted by WWI, serving 1914–1918. He finally graduated in March 1920 under professor Pompeckj; he had already published 18 papers at the time.

After his habilitation in 1922, R.Potonié became a lecturer and in 1926 full professor in geology at the Technical University in Berlin. Most of his early studies focused on the synthesis of chemistry, botany, and geology to study German brown coals. It was not until 1931 (with 6 publications in the year on the topic) that R. Potonié finally ventured into palynology, by describing the palynological content of Tertiary and Paleozoic coals from Germany. Later his work was yet again interrupted by war. R. Potonié was drafted in 1940 and was released from Russian war captivity in 1948. Even in captivity, he gave presentations on natural history in layman's terms for his fellow prisoners and it is said that he even wrote a manuscript during this time.

After his release, he becomes department head for micropaleontology, palynology, coal petrography, and paleobotany in Krefeld at the Geological Survey of North Rhine-Westphalia. Two years later he additionally accepted a post as a professor at the University of Bonn. At the geological survey, R.Potonié met Gerhard O.W. Kremp, a young research assistant at the time. An important encounter for the course of palynology (see below).

R.Potonié's labs in Krefeld and Bonn were sought by many students (e.g. Bhardwaj, Thiergart, Manum, Venitz, Wichert) and col-



Robert Potonié (taken from Stach, 1975)

leagues and became a center of palynological exchange in the 1950s and 60s.

Although officially retiring from his survey post in 1955, he retired from his honorary professorship only in 1966 (aged 77). Over the course of his career, R. Potonié produced 226 publications and was honored with several medals, amongst them the Distinguished Service Cross of the Order of Merit of the Federal Republic of Germany.

In his private life, he led a very amicable marriage with Olga Potonié, who was a constant and active supporter of his scientific endeavors. They shared a special passion for butterflies, which they collected travelling the world together. All his life, R. Potonié was a very engaged member of many lay and professional societies ranging from geology, botany, palynology, and nature conservation. He served on the boards and as president for many of these.

Most notable contributions to palynology: A particular interest of R. Potonié was nomenclature, not only for coal petrography but also and especially for palynotaxonomy.

He was one of the first to use organ genera for palynomorphs (instead of the natural species concept) and although this approach was initially strongly opposed, it was adopted by most workers over the years and is still in practice today.

To categorize the resulting flood of new genera and species, his monumental retirement project was to revise and catalog all so far described pollen and spore taxa. The product was a five-volume series of 'The synopsis of the genera of the Sporae dispersae'. Especially in collaboration with Gerhard W. O. Kremp their newly invented turmae system to organize palynology and his many contributions to the Code made a lasting impact on the taxonomy and nomenclature of palynology.

Most important publications:

- (1) Potonié, R. (1956–1970) Synopsis der Gattungen der Sporae dispersae I.– V. Beihefte Zum Geologischen Jahrbuch, 23, 1–103.
- (2) Potonié, R., & Venitz, H. (1934). Zur Mikrobotanik des miozänen Humodils der nidderrheinischen Bucht. Arbeiten Aus Dem Institut Für Paläobotanik Und Petrographie Der Brennsteine, 5, 1–54.
- (3) Potonié, R. (1931). Zur Mikroskopie der Braunkohlen. Tertiäre Sporen- und Blütenstaubformen. Braunkohle, 16, 554–556.

Will be remembered as... — 'The great son of the great father.' Despite the big shoes to fill of his father, he stepped out of his father's shadow and paved his own road promoting palaeobotany in Germany. He will be remembered as one of the founding fathers of paleopalynology in Germany describing hundreds of new taxa still in use today and revolutionizing how palynotaxonomy and nomenclature were organized.

Further reading. — This summary is mostly based on the biography by Grebe (1976, In Memoriam Robert Potonié (1889–1974). Review of Palaeobotany and Palynology, 17, 217–220) and Stach (1975, Robert Potonié. Fortschritte in Der Geologie von Rheinland Und Westfalen, 25, 1–6. [in German]) and more detailed biographies and exhaustive publication record can be found therein.

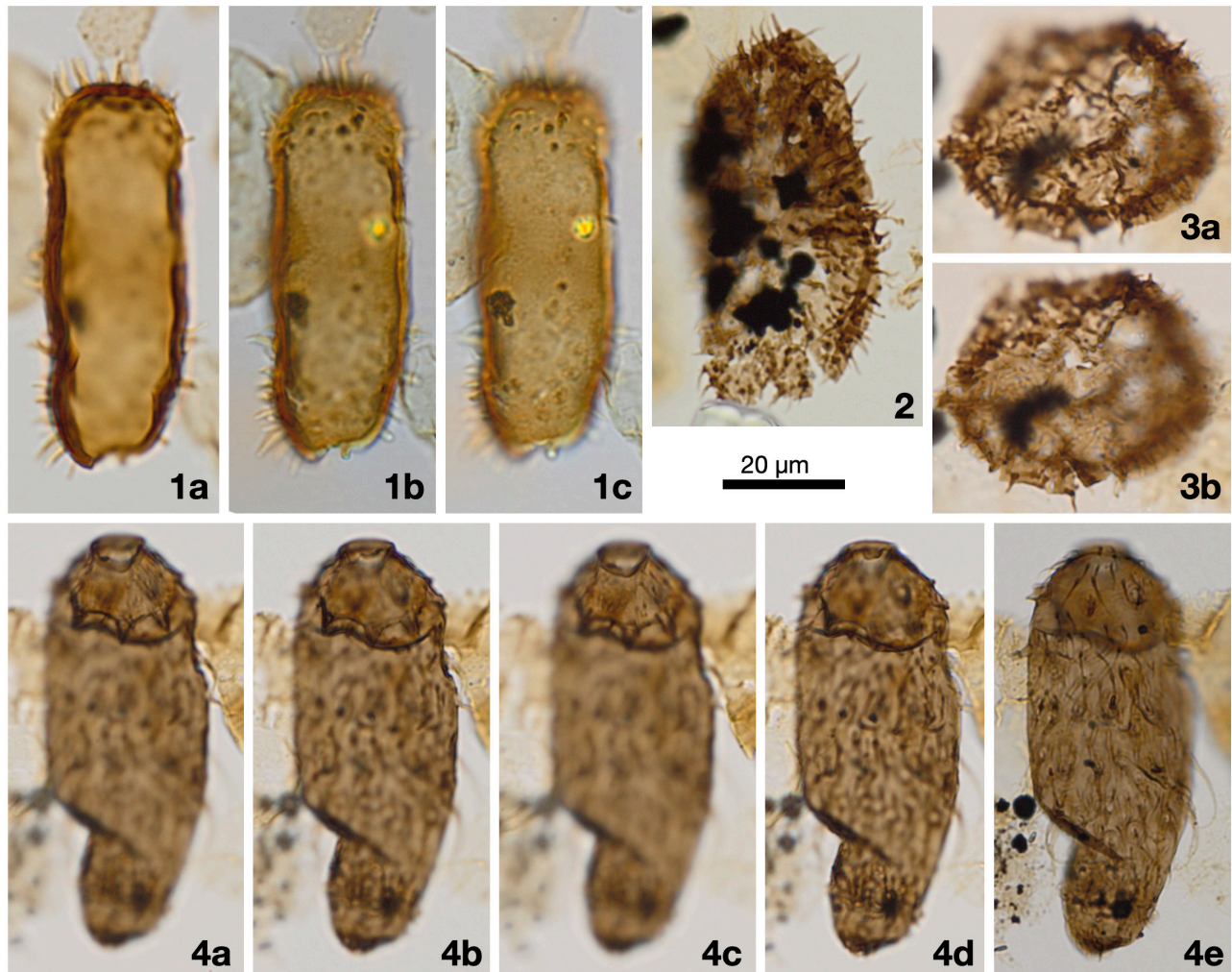
What's this palynomorph?

In the December 2021 issue of the Newsletter (Vol. 54, Nr.4), we launched a new segment "What's this palynomorph?" where our readers can submit pictures of unidentified palynomorphs which they wish to share with the AASP-TPS community. I hope in this way we can downsize the Palynomorph spp. group and foster collaboration between palynologists across the stratigraphic column. Below, you will find the first submissions!

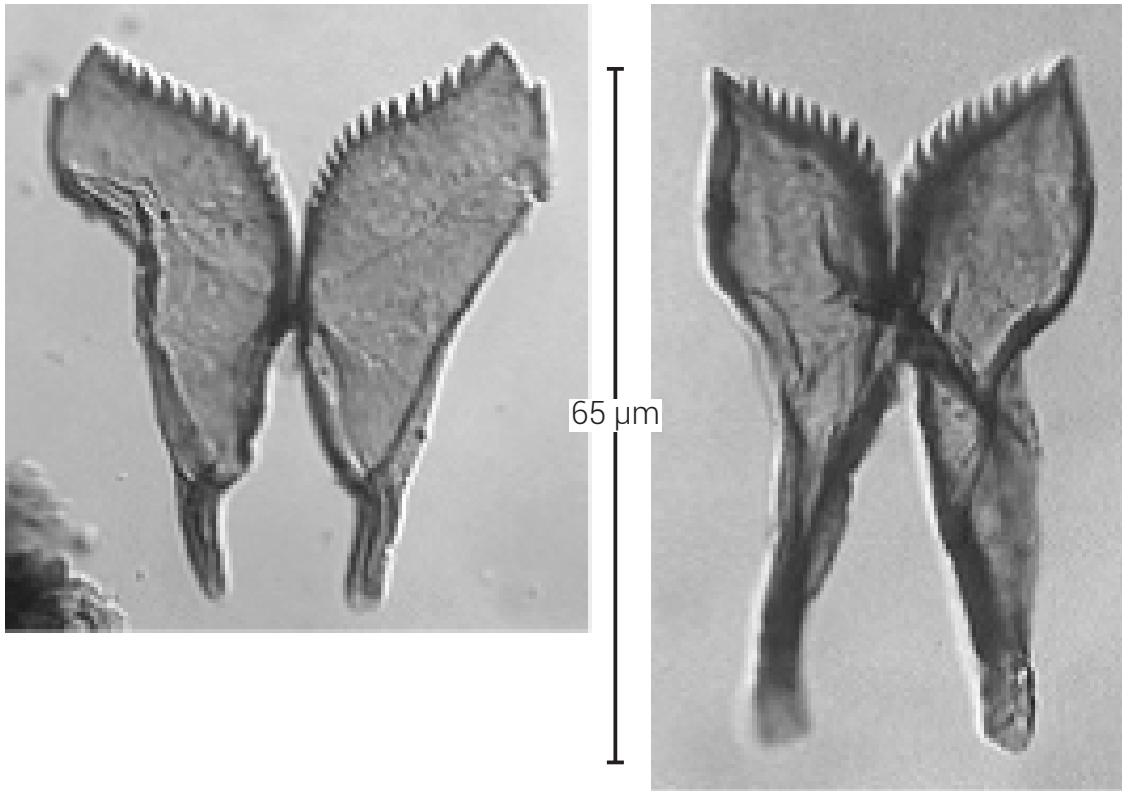
To ensure the readers' view is not biased by the age, formation or locality of the source material, no additional information alongside the images is provided at this point.

If you recognise any of the palynomorphs in the pictures below, or have a 'golden tip' that could lead to their correct identification, please don't hesitate and submit your suggestions to aaspnews@gmail.com entitled "Mystery Palynomorph" and clearly indicate which Palynomorph sp. you are providing information for. We will pass on the information to the authors of the images to initiate discussions.

Palynomorph sp. 1 – 4



Palynomorph sp. 5



You can submit your mystery palynomorph too!

Have you looked down the microscope and don't immediately recognise what you see? Not even after wading through countless publications and even more species diagnoses? Tired of cursing publishers for providing only low resolution, poorly scanned images of holotypes?

If this sounds familiar, why not send a picture (remember the scalebar!) to the newsletter? You will reach an audience of around 400 palynologists from around the world and with expert knowledge across the entire stratigraphic column.

Send pictures of your unknowns including the approximate age/sample location and if possible formation to aaspnews@gmail.com and we'll drop it in the quarterly Newsletter!



Upcoming Meetings

54th Annual Meeting of AASP-The Palynological Society

Manizales, Colombia

August 7th – 11th, 2022

Manizales, the Institute of Investigations in Stratigraphy (IIES), and the Universidad de Caldas are excited to welcome the global palynological community.

The meeting will be **hybrid, in-person and online**

Registrations are open:

Extended deadline for abstracts submission: June 15th, 2022

Regular registration deadline: August 1st, 2022

In 2022, the annual meeting of the AASP-TSP will be held in Colombia for the first time and for the second time in South America. For this reason, we want to celebrate the palynological diversity of the Neotropics and make this event an opportunity to include the diversity of the palynological community.

This meeting will have a hybrid format (in-person/online). This meeting will also include the participation of the Latin American Society of Paleobotany and Palynology (ALPP), and the Online Pollen Catalogs Network (RCPoL). The meeting will take place in Manizales, a traditional coffee city.



Registration Fees

Online registration is available [here](#).

All in \$	In-person attendance			Online only	
	Early reg.	Regular	At event	Early	Regular
Student	60	80	100	20	30
Professional member	100	120	150	40	50
Professional non-member	140	160	190	50	60
Retired	90	110	140	30	40
Donations	Any member from the US/EU who would like to support the (partial) registration fee for students outside of the US/EU.				

Travel

Travel to Colombia

To travel to Manizales, international flights will have a connection in Bogota at El Dorado International Airport or in Medellin at the Airport Jose Maria Cordova. If during the search of flights, no-options came up, there are two options:

1. Find flights on easyfly (<https://www.easyfly.com.co/vuelos-Bogota-Manizales>).
2. Another option is to search for flights from Bogota to Pereira, International Airport Matecaña, 53 km SW from Manizales. At the airport in Pereira there are two options to get transportation to Manizales:

a) A particular car that will drive you from the airport in Pereira to your hotel in Manizales. For one or two people the trip has a price of ~50 dollars trip (200.000 Colombian pesos). A van for up to 8 people will be ~ 70 dollars trip (290.000 Colombian Pesos). The car will have the logo of the AASP-TPS conference and 9:00hrs, 13:00hrs, 17:00hrs, 21:00hrs.

If you want to reserve a space in this transportation, please complete the following form:

https://docs.google.com/forms/d/e/1FAIpQLSctjzZBSOLFDGiOClUQ27_vx7co-40q455bEsECSEPNyOgnK-w/viewform?usp=pp_url

b) At the airport, take a taxi to the bus station. Then at the terminal (Bus station) buy a ticket Pereira-Manizales through the company "Expreso Palmira" (see map below).

NOTE:

Make the change of dollars to Colombian pesos inside the airport (150 dollars should be fine). Also, if you need a visa to travel to Colombia, please let us know to send you an invitation letter to the meeting.

Matecaña International Airport
Pereira city airport



Taxi zone from Matecaña airport to bus station



Cost: 20.000 COP or 4-5 USD

PEREIRA CITY: Airport-Bus Station Rute



13min

Pereira City - Bus Station



Arrival from airport taxi to the bus station



Buy here your ticket Pereira-Manizales



Cost: 20.000 COP or 4-5 USD

Pereira - Manizales Rute



1 h 4 min
52,6 km

1 h 4 min
53,1 km

Manizales City - Bus Station-Taxi Zone



Recommendations

1. Change money at Bogotá airport (100 UDS is fine)
2. At the Pereira airport, take only the taxis available at the designated door. Tell the taxi driver: "llévame al terminal de transportes"
3. At the bus station buy your ticket to Manizales, the recommended company is EXPRESO PALMIRA, it has routes every 15 minutes to Manizales. The last bus leaves at 4:00 p.m. If you arrive after these hours you can use other companies. The duration of the trip is approximately 1:15 hour. Other options are to take a taxi express route from the airport that can cost between 50-60UDS (up to 200.000COP)

Workshops

All the Workshops are now hybrid!

1 Introduction to Stratigraphic Data Analysis in R (SDAR), a Quantitative Toolkit to Analyze Stratigraphic Data.

Dates: online 06 Aug. 2021 / in-person 11 Aug. 2022

Cost in person: US\$ 10 for students; US\$ 20 for professional members; US\$ 25 for professional non-members
Cost online: 5 dollars

2 Course of palinostratigraphy.

Dates: Hybrid Sunday 07 Aug. 2022
Cost in-person: US\$ 10 for students, US\$ 20 for professional members, US\$ 25 for professional non-members

Cost online: 5 dollars

3 Applied Middle East Late Palaeozoic Palynology: solving geological problems.

Dates: Hybrid Thursday 11 Aug. 2022
Cost: US\$ 10 students, US\$ 20 professional members, US\$ 25 professional non-members for in-person

Cost online: 5 dollars

Field trips

The Field trips pre- and post-meetings are now half price:

1. Nevado del Ruiz volcano and Laguna Negra (Quaternary)

Max. participants: 25

Cost: 25 dollars students; 35 dollars professionals

2. Pliocene sections around Manizales and Cenicafe tour

Cost: 30 dollars students; 40 dollars professionals

Max participants: 25

All information about the meeting can be found at:

<https://palynology.org/54th-annual-meeting-of-aasp-the-palynological-society-manizales-colombia-august-7th-11th-2022-54-encuentro-anual-de-la-sociedad-palinologica-de-aasp-tps-manizales-colombia-agosto-7/>

Contact information: aaspmeetings@gmail.com





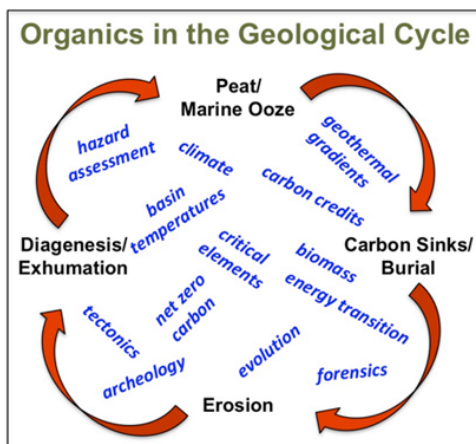
38th TSOP ANNUAL MEETING (Virtual Event)

Organics in the Geological Cycle

September 12-16, 2022

Call for Abstracts!

Extended Submission Deadline: 8 July 2022



PRICE

Free for TSOP members. For non-members: \$US25 for professionals and \$US15 for students (comes with a 1-yr membership to TSOP)

HOW

Submit your abstract to: tsop2022@ciphercoal.com, with no more than ONE A4 size page.

More details on the website: <https://www.tsop.org/TSOP2022/>



The Society for Organic Petrology (TSOP)



TSOP2022



@TSOP ANNUAL MEETING
Group: The Society for Organic Petrology (TSOP)



TSOP

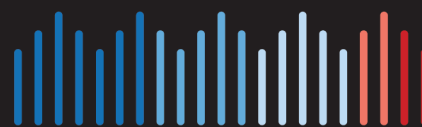


**The Society for
Organic Petrology**

29 August–2 September 2022

ICP14 BERGEN

14th International Conference on Paleoceanography



Registration: <https://icp14.w.uib.no/on-line-registration/>

Registration for both on-site and online participation will remain open until the meeting starts. As of today, there are more than 500 participants.

Program: <https://icp14.w.uib.no/program/>

The program has been updated. Note that there still may be changes to the schedule and times indicated.

- Talks: we are awaiting final confirmation of the perspective lecturers.
- Posters on-site: all posters will be on display from Monday to Thursday.
- ePoster Gallery: opens on 22 August and closes on 23 September.

Student poster awards

ICP14 will award best poster prizes to master and PhD students. If you want to enter in the competition, please sign up [here](#) by June 15.

Pre- and post-conference workshops

The deadline for registration is imminent for one of the workshops. Please check [here](#).

Place your bid for ICP15

We are proud to be hosting ICP14 in Bergen this year! But where will ICP15 be held? Do you want to make a bid for hosting ICP15? Or are you still undecided and want to discuss with us? Then send an email to sec.icp14@uib.no with the subject "ICP15". The bids will be presented on Wednesday 31 August.

Social events

The Bergen City reception, the conference dinner and the Paleomusicology concert are fully booked, but you can still [subscribe](#) to a waiting list. If you want to perform at the concert, please reach out to Nil Irvalli.

Tours

The tours are filling up quickly. Sign-up is open until 28 July or until fully booked.

- Tour 1 Finse and Hardangerjøkulen 2 places left
- Tour 2 Ulriken 643 2 places left
- Tour 3 Folgefonna glacier & Bondhusdalen Fully booked
- Tour 4 Voss - Nærøyfjorden 5 places left. Note: If less than 20 people then the tour will be cancelled and there will be a refund.

