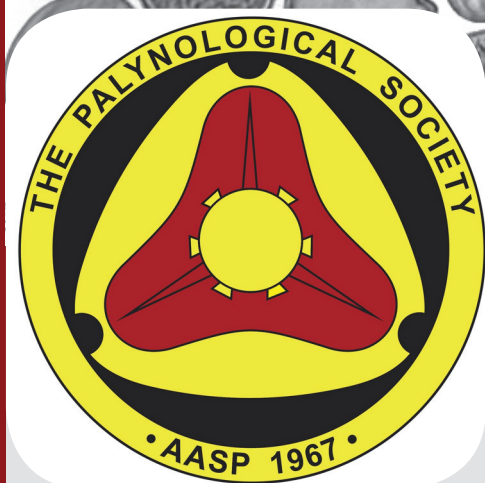
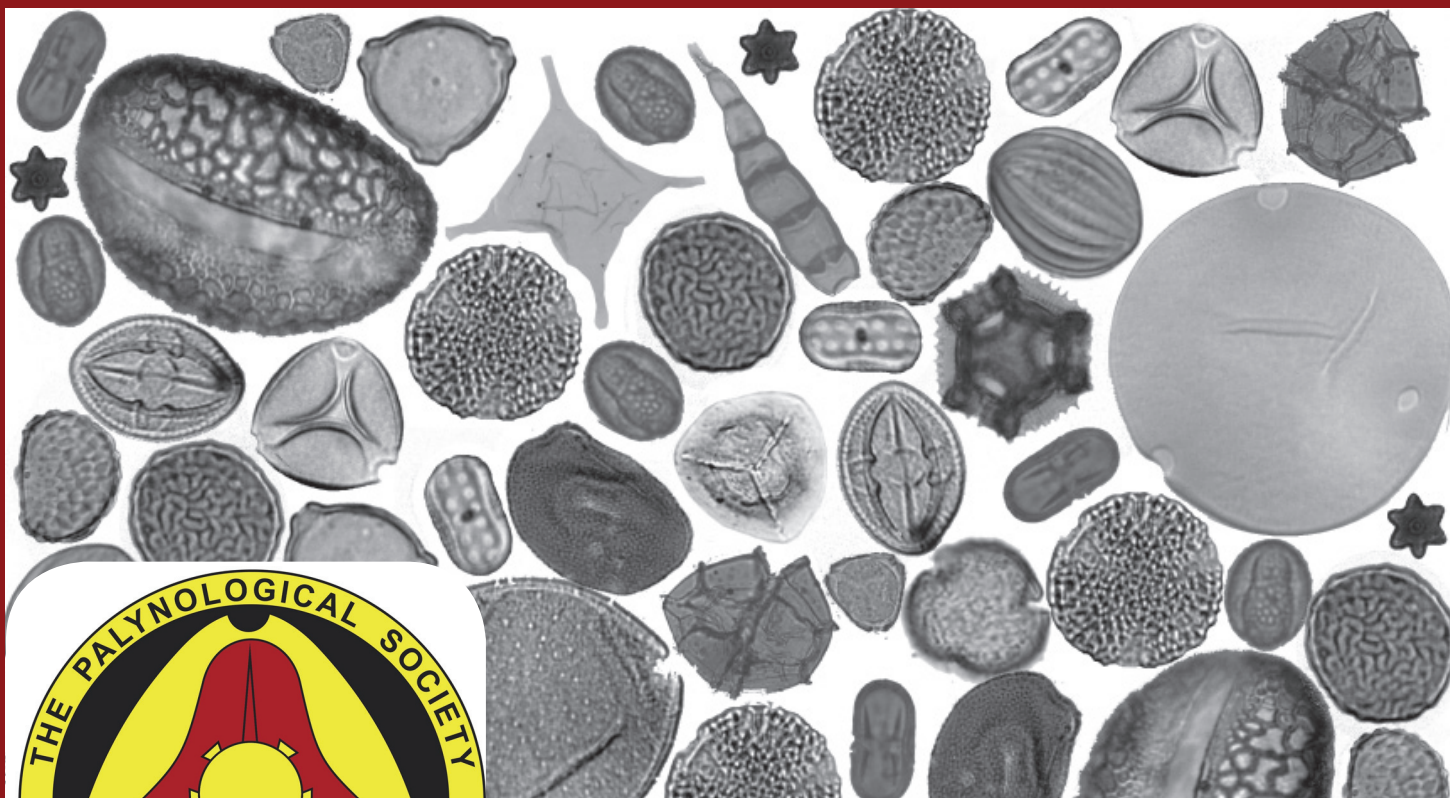


# AASP - THE PALYNOLOGICAL SOCIETY

PROMOTING THE SCIENTIFIC UNDERSTANDING OF PALYNOLOGY SINCE 1967



## Newsletter

December 2017

Volume 50, Number 4

Published Quarterly by AASP - The Palynological Society



# AASP-TPS NEWSLETTER

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Published Quarterly by AASP - The Palynological Society

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## December 2017 Volume 50, Number 4

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# A.A.S.P.

## 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 800 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* (triannually), 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 Scientific Medal recipients

Professor William R. Evitt (awarded 1982)  
Professor William G. Chaloner (awarded 1984)  
Dr. Lewis E. Stover (awarded 1988)  
Dr. Graham Lee Williams (awarded 1996)  
Dr. Hans Gocht (awarded 1996)  
Professor Svein B. Manum (awarded 2002)  
Professor Barrie Dale (awarded 2004)  
Dr. David Wall (awarded 2004)  
Dr. Robin Helby (awarded 2005)  
Dr. Satish K. Srivastava (awarded 2006)  
Professor Estella B. Leopold (awarded 2013)  
Professor Vaughn M. Bryant (awarded 2016)

### AASP Honorary Members

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Dr. William S. Hoffmeister (elected 1975)  
Professor Leonard R. Wilson (elected 1975)  
Professor Knut Faegri (elected 1977)  
Professor Charles Downie (elected 1982)  
Professor William R. Evitt (elected 1989)  
Professor Lucy M. Cranwell (elected 1989)  
Dr. Tamara F. Vozzhennikova (elected 1990)  
Professor Aureal T. Cross (elected 1991)  
Dr. Robert T. Clarke (awarded 2002)  
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)

### AASP Board of Directors Award recipient

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

### Teaching medal recipients

Professor Aureal 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)

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Dr. Robert T. Clarke (awarded 1978)  
Dr. Norman J. Norton (awarded 1978)  
Dr. Jack D. Burgess (awarded 1982)  
Dr. Richard W. Hedlund (awarded 1982)  
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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)



# AASP-TPS NEWSLETTER

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Jen O'Keefe, Editor  
Gilda Lopes, Associate  
Editor

## BOARD OF DIRECTORS

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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 **FEBRUARY 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 membership.**



# A Message From Our President

Dear palynology colleagues and friends,

A new year lies ahead, hopefully with interesting and challenging tasks for all of you. I would like to start this year by thanking all of you who volunteer for the AASP in various ways, taking on duties on boards, committees, arranging our conferences etc. AASP is all of us, and we rely fully on member engagement. I would therefore also like to repeat my gratitude to the committee led by Jim Riding, who arranged our 50th years Anniversary Meeting in Nottingham last September. The Meeting was a great success and truly an important milestone as the AASP's 50th Anniversary Meeting.

The AASP membership number is presently around 200. My wish for the New Year is a joint effort to increase this number. On a global basis, there should be a huge potential to do so. This is important in many ways as it makes us more robust, it certainly helps our financial situation and most of all: it will help in keeping palynology stronger as a discipline and help us gain more visibility. There are many small palynology associations around the world. I take the liberty to wish for a stronger AASP, where some of these would act more as regional hubs for the AASP. We are a small discipline and we certainly need to join forces.

As there will be many meetings gathering palynologist this year I would like in particular to mention three:

The XVII Argentine Symposium on Paleobotany and Palynology will be held in Paraná, Argentina in end July. The Board has decided to support this event, and as the symposium is expected to gather a large number of participants, we hope that information about AASP will stimulate new members from South America. A report from the meeting will be included in our newsletter.

Our annual meeting will be held in Calgary in August, so set aside the dates for this upcoming event! The Annual Meetings are truly in the core of the AASP. Nothing can replace to meet physically, to be able to discuss, exchange ideas and have the opportunity to listen to a wide range of palynological topics. In addition, the opportunity to visit exciting field locations is truly stimulating, so read the information provided in this newsletter.

Following Calgary is the EPPC 2018 conference (10th European Palaeobotany and Palynology Conference) taking place at University College Dublin. This is also an important arena for palynologists. Although in a bit of a competition with our Calgary meeting, as it starts the week after, I do indeed hope that some of you are able to combine the two. There are a range of interesting topics.



I hope to see you during 2018. With the best wishes for a good year,

Gunn

P.S. As you hopefully recall we introduced two beautiful silver jewelries for our 50th Anniversary at the Nottingham Meeting. They are now produced: one of the dinoflagellate *Diphyes recurvatum* and one of the pollen *Macrolobium multijugum*, both followed by a small card with info. They are gorgeous! Due to some practical and toll issues, we are a bit delayed in advertising them to members, but are working on it. In any case, we will bring a number of them to Calgary, so save some money for buying one (or two), either for yourself or for your spouse! We will also sell them at our booth at GSA and online. However, at the moment, bear with us!



## *Diphyes recurvatum* for 50th Anniversary AASP

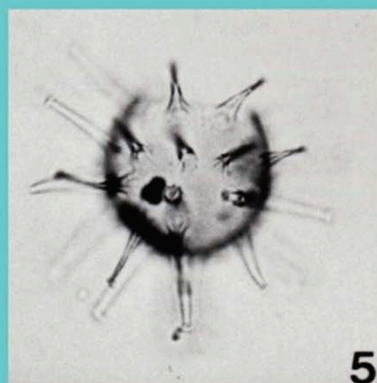
© 2017 John V Firth

*Diphyes recurvatum* May, 1980, p. 50-51, pl.1, figs.18-20.

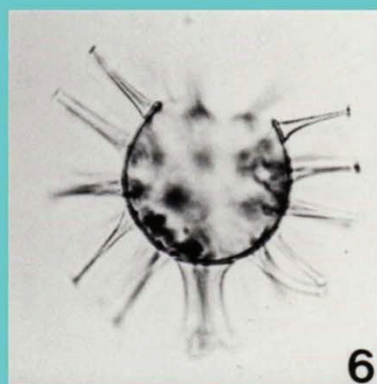
Specimen from Firth, J.V., 1984 M.S. Thesis, VPI&SU, Plate 6, figs. 5-6, and from Firth, J.V., 1987, Palynology 11, p. 205, Plate 1, fig. 6. Slide AY-33 from Providence Sand Formation, age Maastrichtian. Depth in core 994 feet = 302.97 m (error in Firth, 1987: depth was incorrectly converted to 303.2 m). Specimen = 63 µm high x 65 µm wide.

(Left, top and bottom): Fig. 5 ventral view, Fig. 6 optical cross-section, transmitted light.

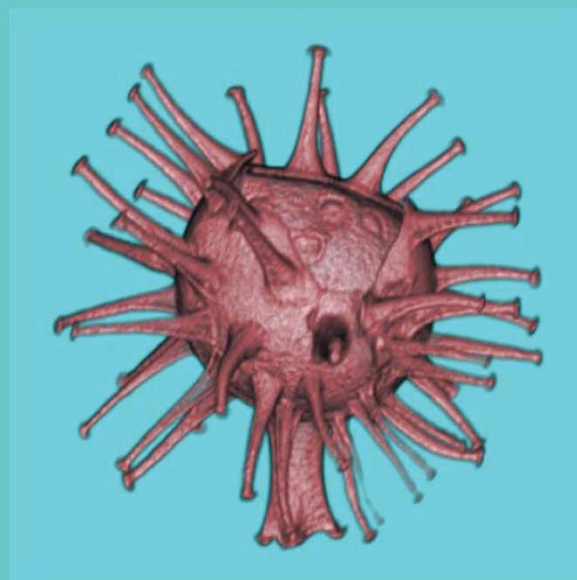
(Below): Confocal autofluorescence image, excitation wavelength = 488 nm. Image scan credit: Stanislav Vitha at Texas A&M University Microscopy and Imaging Center. Volume rendering, surface rendering and print file preparation by John V. Firth.



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## *Macrolobium multijugum* for 50th Anniversary AASP

©2017 Ingrid Romero

*Macrolobium multijugum* (DC.) Benth.

Family Fabaceae. This is a neotropical tree species, restricted to northern South America. Genus *Macrolobium* (Fig. 1, 2) has been related with *Striatopollis catatumbus* (Fig. 3), a fossil pollen grain registered in the tropics since the Paleocene (~65 Ma) and described for first time by Gonzales-Guzman (1967).

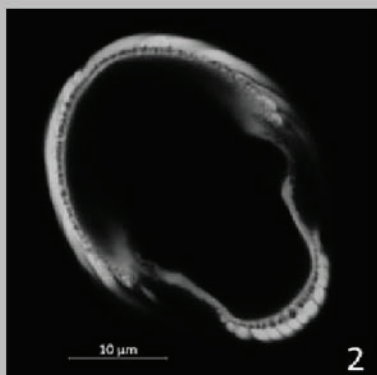
Top to Bottom: Equatorial view (Fig. 1) and cross section (Fig. 2).

Fossil *Striatopollis catatumbus* (Fig. 3): Equatorial view

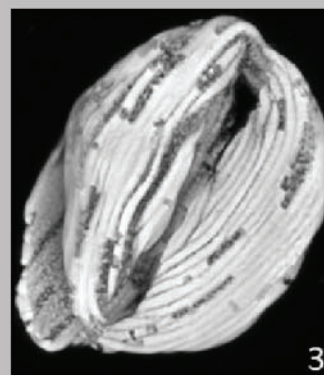
Photos were taken with Ayriscan Superresolution Microscopy. Magnification: 100X. University of Illinois, Urbana-Champaign



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# MANAGING EDITOR'S REPORT

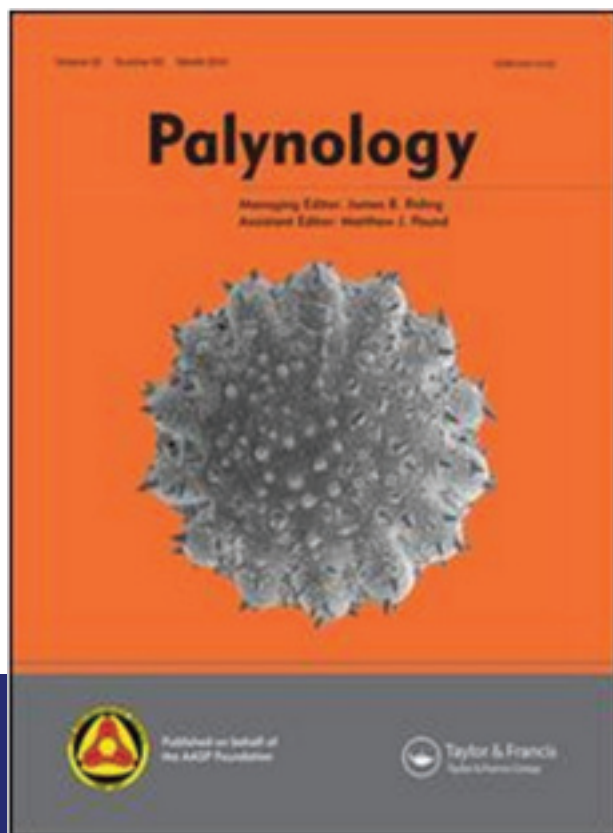
Part 4 of *Palynology* volume 41 for 2017 has been published online. It was also printed, together with issue 3, and this was distributed by post in early December 2017. The contents are listed below. It comprises an obituary of Art Sweet plus 10 research papers. Part 4 is extremely diverse, including an article on the non-arboreal pollen of the Andaman Islands, India (Mudavath et al.), pollen from Roman-era watercraft (Willis) and the Late Cretaceous pollen-spore biostratigraphy of South Sudan (Cole et al.).

Also published in December 2017 was Supplement 1 to Volume 41 (see: <http://www.tandfonline.com/toc/tpal20/41/sup1?nav=tocList>). This is a special issue in honour of the late Gordon D. Wood (1949–2015), and edited by Merrell A. Miller, Thomas Servais and Reed Wicander. This issue comprises 20 papers, plus a tribute to Gordon by the editors, over 326 pages and this means that we published a record 904 pages in *Palynology* in 2017! For a comparison, in 2008 the single issue comprised 280 pages. Supplement 1 was paid for by the editors and many of the authors; the project was instigated on the initiative of Merrell Miller. Thank you very much Merrell – this is a fantastic tribute to an extraordinary palynologist.

The running order of Part 1 of Volume 42 has been finalised, and this will be announced in the next Newsletter. The *Spiniferites* Supplement currently in production is now very advanced, and this will be published in 2018.

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3rd January 2018





The contents of Palynology Volume 41, Part 4 (November 2017)  
(published on paper together with Part 3)

1. Obituary. Arthur Richard ('Art') Sweet (1942–2017). p. 439–440.
2. Mudavath, C.N., Kailas, J.G., Sugali, S., Ravula, D., Hari, R. and Boyina, R.P.R. The non-arboreal diversity of the Andaman Islands, India, based on pollen analysis. p. 441–461.
3. Kumar, M., Monga, P., Shukla, A. and Mehrotra, R.C. *Botryococcus* from the early Eocene lignite mines of western India: inferences on morphology, taphonomy and palaeoenvironment. p. 462–471.
4. Masure, E., Jha, N., Duarte, S.G., Aggarwal, N., Arai, M. and Joshi, H. Influence of palaeoenvironmental factors on the encystment of Cretaceous dinoflagellate cysts (Ceratiaceae): a study from Godavari Graben, southern India. p. 472–483.
5. Willis, S. Insights into the manufacture of laced watercraft through a pollen analysis of the fibrous materials from Roman-era laced boats of the upper Adriatic, Italy. p. 484–492.
6. Playford, G., Hashemi, H. and Wicander, R. The palynostratigraphy of the Lower Carboniferous (middle Tournaisian–upper Viséan) Shishtu Formation from the Howz-e-Dorah section, southeast Tabas, central Iranian Basin: discussion. p. 493–497.
7. Van Ness, B.G., Black, M.K., Gullett, C.R. and O'Keefe, J.M.K. A recycling method for LST® contaminated during heavy liquid separation in palynological processing. p. 498–503.
8. Quamar, M.F., Nawaz Ali, S., Nautiyal, C.M. and Bera, S.K. Vegetation and climate reconstruction based on a ~4 ka pollen record from north Chhattisgarh, central India. p. 504–515.
9. McCarthy, F.M.G., Drljepan, M., Hubeny, J.B., Krueger, A.M., Pilkington, P.M., Riddick, N.L. and MacKinnon, M.D. The influence of dissolved oxygen on dinoflagellate cyst distribution across Sluice Pond, a meromictic lake in NE Massachusetts, USA. p. 516–532.
10. Wan, Chengyu and Liu, Jiayi. The morphology and systematics of the pollen of *Stellaria*. p. 533–546.
11. Cole, J.M., Abdelrahim, O.B., Hunter, A.W., Schrank, E. and Ismail, M.S.B. Late Cretaceous spore-pollen zonation of the Central African Rift System (CARS), Kaikang Trough, Muglad Basin, South Sudan: angiosperm spread and links to the Elaterates Province. p. 547–578.



The contents of Palynology Volume 41, Supplement 1: In Honor of Gordon Wood, Jr. (December 2017)

1. MA Miller, T Servais & R Wicander. Dr. Gordon D. Wood II, 1949-2015. p. 1-9
2. Z Szczepanik, T Servais & A Żylińska. Very large acritarch from the Furongian (upper Cambrian) rocks of the Holy Cross Mountains, central Poland. p. 10-22
3. CEA Amberg, TRA Vandenbroucke, SG Molyneux & T Servais. Chitinozoans from the upper Tremadocian (Lower Ordovician) Watch Hill Formation of the Lake District, northern England. p. 23-30
4. FH Abuhmida, CH Wellman. Palynology of the Middle Ordovician Hawaz Formation in the Murzuq Basin, south-west Libya. p. 31-56
5. PK Strother, WA Taylor, JH Beck, & M Vecoli. Ordovician spore 'thalli' and the evolution of the plantsporophyte. p. 57-68
6. W Wang, C Monnet & T Servais. Quantitative methods used for understanding the taxonomy of acritarchs: a case study of the Middle Ordovician genus *Frankea* Burmann 1970. p. 69-79
7. K Yan, J Li, SG Molyneux, EG Raevskaya & T Servais. A review of the Ordovician acritarch genus *Barakella* Cramer & Díez 1977. p. 80-94
8. EG Raevskaya & T Servais. New acritarch taxa from the Upper Ordovician of Siberia. p. 95-105
9. MA Miller, M Vecoli & C Cesari. New palynomorphs from the Ordovician-Silurian boundary interval: Eastern North America and Saudi Arabia. p. 106-120
10. G Daners, A Le Hérissé, P Breuer & G Veroslavsky. Pragian–Emsian palynomorphs from the Cor-dobés Formation, Norte Basin, Uruguay: stratigraphically restricted and regionally correlative palynological events in the cool-water Malvinokaffric Realm. p. 121-137
11. VJ García Muro, CV Rubinstein & J José Rustán. Early Devonian organic-walled phytoplankton and miospores from the Precordillera Basin of San Juan, Argentina: biostratigraphic and paleobiogeographic implications. p. 38-157

12. R Wicander & G Playford. Organic-walled microphytoplankton from the Middle Devonian (Givetian) Gravel Point Formation, Michigan, USA. p. 158-177
13. JEA Marshall & OP Tel'nova. The 'last' tentaculitoids. p. 178-188
14. M di Pasquo, GW Grader, A Warren, B Rice, P Isaacson, PT Doughty. Palynologic delineation of the Devonian-Carboniferous boundary, West-Central Montana, USA. p. 189-220
15. CF Eble & SF Greb. Compositional variability of Middle Pennsylvanian coal beds near the north-west margin of the Eastern Kentucky Coal Field, Central Appalachian Basin, USA. p. 221-246
16. RL Ravn. The species of *FROMEA*, revisted, with comments on selected morphologically similar genera. p. 247-261
17. DG Benson, Jr., MA Miller, GD Wood. A new Upper Jurassic species of *Scenedesmus* from the Bossier Formation, Texas, USA. p. 262-270.
18. RL Ravn & DK Goodman. Two new marine cyst genera from Upper Cretaceous Brookian megasequence strata in the North Slope of Alaska. p. 271-277
19. DT Pocknall, DM Jarzen, ML Thomas. The fossil pollen tetrad *Quadripollis krempii* Drugg 1967; morphology, palaeogeography and botanical affinity. p. 279-289
20. DK Goodman. Tabulation patterns in some fossil representatives of the dinoflagellate family Cladopyxiaceae Stein 1883. p. 290-308
21. JMK O'Keefe. Fungal palynomorphs from the Miocene Heath Formation, Tumbes Province, Perú. p. 309-326

# REPORT ON THE 2017 AASP-TPS ANNUAL MEETING, Joint with TMS – Palynology Group and CIMP, Keyworth, Nottingham, UK, September 3-7, 2017



AASP-THE PALYNOLOGICAL SOCIETY

50th ANNUAL MEETING

Nottingham 2017

The 50th Annual Meeting of AASP-The Palynological Society was held jointly with CIMP and the TMS Palynology Group in Keyworth, Nottingham, UK from September 3-7, 2007. Conference activities took place at the British Geological Survey in Keyworth, a short bus ride from conference hotels in the Nottingham city center.



Photo courtesy of Cristiana Esteves



Photo courtesy of Jen O'Keefe



Photo courtesy of Jen O'Keefe

The 2017 Meeting was chaired by James Riding of the British Geological Survey, with essential support from a dedicated committee: Jan A.I. Hennissen (BGS, representing AASP-TPS), Stewart G. Molyneux (BGS, representing AASP-TPS), Maria Wilson (BGS), Matthew J. Pound (Northumbria University, representing TMS), Reed Wicander (CMU, Mount Pleasant, USA, representing CIMP), and Barry Lomax (University of Nottingham). The conference committee assembled an outstanding scientific program, icebreaker, conference dinner, and business supper for the 50th anniversary meeting, as well as two field trips and workshops on StrataBugs and Microfossils in Petroleum Exploration.

The 50th annual meeting activities began with the outgoing board meeting on September 2nd at the Jurys Inn across from the main rail station – a convenient location as so many board members arrived the morning of the board meeting! Following a productive meeting, we adjourned to what was to become a conference favorite – the “Ye Olde Trip to Jerusalem” Inn, before continuing on for supper.



Main meeting activities commenced on Sunday the 3rd with the pre-meeting field trip to Carboniferous Stage stratotypes in the Peak District of Staffordshire led by Drs. Duncan McLean and David Bodman (MB Stratigraphy, Sheffield). While an exceptionally wet day, much fun was had by all, and distribution of slides of palynomorphs from representative sections was very much appreciated! The field trip was followed by the conference ice breaker at Fat Cat Café and Bar, which lasted well into the night.



Photos courtesy of Sophie Lindström

The technical program began on Monday morning with an introduction by Mike Stephenson of the BGS. This was followed by an overview of AASP's 50-year history by James Riding, kindly filling in for Thomas Demchuk who was unable to attend due to flooding from Hurricane Harvey. This lively presentation set the tone for three days of technical sessions that spanned the geologic column from the Precambrian to the Present, all palynomorph types, taxonomy, digital imaging, and palynomorph chemistry. This variation was a testament the diverse interests of our members and the wide array of problems that can be addressed through the study of palynomorphs! In addition to more general stratigraphically-organized sessions, a number of themed sessions were organized: Saudi Arabian Paleozoic Palynostratigraphy; Honoring Dave Batten's Career in Palynology; and In Memoriam of Gordon Wood, Jr. Both the Batten and Wood sessions provided a great deal of humor and were fitting tributes to each!

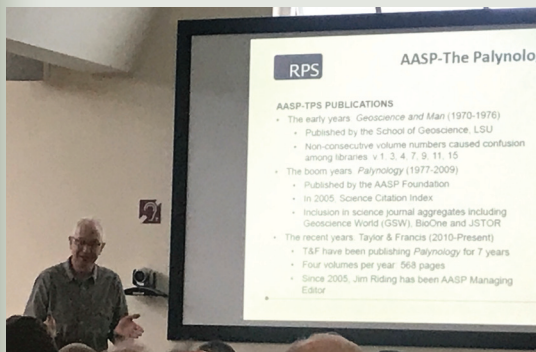


Photo courtesy of Jen O'Keefe

Poster presentations took place during coffee breaks and during receptions capping each days' presentations. Snacks and beverages provided a relaxing atmosphere to discuss the day's talks and explore new work in the posters.

The Tuesday evening conference dinner brought attendees from around the globe to the world-famous Trent Bridge Cricket Ground. Tours of the facility highlighted both the history of cricket and the region. The dinner, held in the Boundary Edge Restaurant overlooking the ground, provided sunset views following another very wet day. A surprise speaker, Barrie Dale, delighted us all with

stories of the history of palynology in the UK and his experiences with AASP. As only Barrie could, we were kept laughing and learned an extraordinary amount about our history!





Continuing the tradition begun in Mendoza, the AASP-TPS Business Luncheon was held on Wednesday evening at “Cumin,” an excellent curry-house in the city center. President Iain Prince presided over the business meeting with thank you’s to outgoing Board members, welcome to incoming board members, and presentation of meeting awards.



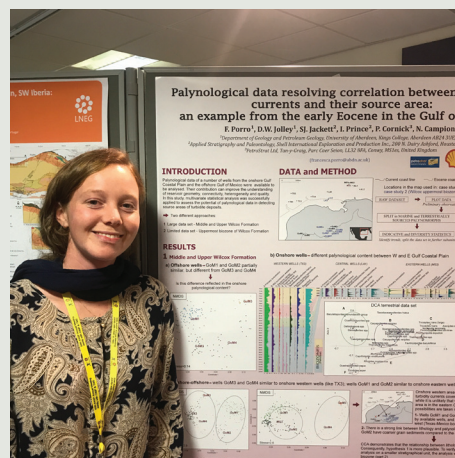
Photos courtesy of Jen O’Keefe



Vera Korasidis won the L.R. Wilson Award for best student Presentation for her talk entitled, “A Cenozoic southern hemisphere rainforest record of climate, floral evolution and fire.” Francesca Porro won the Vaughn Bryant Award for best student poster for her presentation entitled, “Palynological data revealing correlation between turbidity currents and their source area: an example from the early Eocene in the Gulf of Mexico.”



Photos courtesy of Jen O'Keefe



Following an excellent meal, Iain presented the AASP-TPS copy of Robert's Rules and the gavel to incoming president Gunn Mangerud.

The meeting was very well attended, and featured the largest gathering of past-presidents of AASP (11!) and first-time attendees in many years.

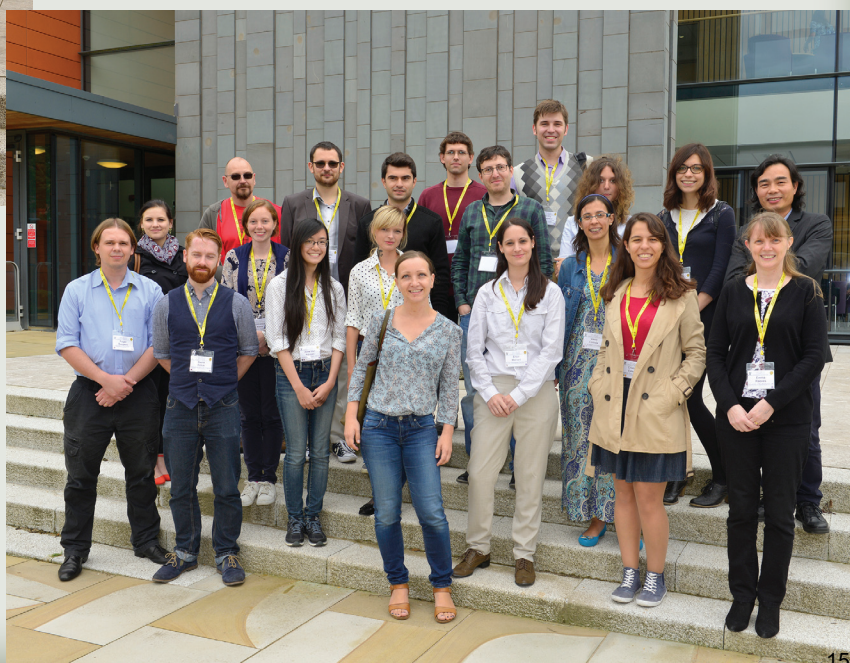


Current and Past-presidents L-R from the rear: Iain Prince, Jim Riding, Ian Harding, Reed Wicander, Paul Strother, Guy Harrington, Martin Head, Jen O'Keefe, Joyce Lucas-Clark, Chris Denison, and Gunn Mangerud. Pictured separately: Rolf Matthews.

Group photo courtesy of Limi Miao; Individual photo courtesy of Jen O'Keefe.

Welcome to our first-time AASP meeting attendees from around the world! We hope to see all of you next year in Calgary! You represent the future of our society!

Group photo courtesy of Limi Miao.





The meeting wrapped up with a very busy Thursday: the half-day StratBugs workshop and full-day Microfossils in Petroleum Exploration workshop were well attended at the BGS, and a large group went on the post-meeting field trip to explore the Ediacaran fauna exposed at Bradgate Park. The field trip was treated to an unusually fine day, unique sedimentary structures, subtle fossils, a fascinating geomorphologic story, and parts of the history of Lady Jane Grey. The incoming board met in the evening and embarked on an ambitious agenda for the coming year.



Panorama and *Charnia* hold-fast courtesy of Jen O'Keefe; Group Photos courtesy of Limi Miao.



# *Celebrating the AASP Newsletter's 50th issue!*

2017 has been an interesting year of ups and downs, but the one thing I've learned in going back through 50 years' worth of newsletter issues is that part of our success is our adaptability to change and perseverance in the face of adversity.

AASP newsletter editors rarely serve more than three years, and it is with great pleasure that I announce my successor, **Dr. Gilda Lopes!** Gilda is a postdoctoral fellow at the University of Bergen, Norway, specializing in Paleozoic palynology and biostratigraphy; she is currently CIMP's representative to IFPS. In addition to her scientific background, Gilda brings her considerable experience in education and science communication to the helm of the newsletter. She is joining the newsletter team effective immediately as associate editor to ensure a smooth transition, and will become newsletter editor beginning with the September 2018 issue. Welcome, Gilda!



**DON'T BE IN ARREARS! PAY YOUR 2018 DUES TO MAKE SURE YOU DON'T MISS A SINGLE ISSUE OF PALYNOLOGY!**

Those of you whose membership expired should have received a renewal notice. We continue to have issues with the renewal pages; if you received a PayPal receipt following your renewal, you are in good standing! Thank you for your understanding.

# Reminder, Membership Rates have gone up beginning with the 2018 renewals.

## Retired - No access to Palynology

Paid for the current year, receive the quarterly newsletter, a biannual membership directory (published electronically), no access to our journal Palynology. Use the menu to pay for up to three years membership.

1 Year: \$15.00 (2018)

2 Years: \$30.00 (2018 and 2019)

3 Years: \$45.00 (2018 and 2019 and 2020)

## Student - On-line only access to Palynology

Receive full benefits (except the print access to Palynology), must provide annual documentation of enrollment. Use the menu to pay for up to three years membership.

1 Year: \$30.00 (2018)

2 Years: \$60.00 (2018 and 2019)

3 Years: \$90.00 (2018 and 2019 and 2020)

## Student - On-line and print access to Palynology

Receive full benefits (including the print access to Palynology), must provide annual documentation of enrollment. Use the menu to pay for up to three years membership.

1 Year: \$35.00 (2018)

2 Years: \$70.00 (2018 and 2019)

3 Years: \$105.00 (2018 and 2019 and 2020)

## Member - Only on-line access to Palynology

Receive full benefits (except the print access to Palynology). Use the menu to pay for up to three years membership.

1 Year: \$50.00 (2018)

2 Years: \$100.00 (2018 and 2019)

3 Years: \$150.00 (2018 and 2019 and 2020)

## Member - On-line and print access to Palynology

Receive full benefits (including the print access to Palynology). Use the menu to pay for up to three years membership.

1 Year: \$70.00 (2018)

2 Years: \$140.00 (2018 and 2019)

3 Years: \$210.00 (2018 and 2019 and 2020)



## Correspondents Wanted!

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 November 15, February 15, May 15, and August 15, annually.

Current vacancies include:

Book Review Editor

India

South Africa

Our newsletter is only as good as the news we receive. Please stay in touch!

- Jen O'Keefe & Gilda Lopes

## Call to Serve!

**This year we will be electing individuals to serve on the Board of Directors in the following capacities:**

Managing Editor

Secretary

Treasurer

Director-at-Large

Student Director-at-Large

Candidates must provide a photograph, Bio, and a signed agreement to serve (available from our secretary) prior to the mid-yearly meeting of the board of directors.

**Interested? Contact Secretary Stephen Stukins or President Gunn Mangerud!**



# *Students! Help keep the society engaged with the needs of our newest members!*

AASP - The Palynological Society is committed to support of palynological research at all levels, and especially that of students. To better serve our students needs, we are seeking a student director-at-large, with full voting rights on the Board of Directors.

**Eligibility:** We encourage nominations from graduate students studying or using palynology in their graduate research who are ideally early-mid stage in their graduate program (you must be a graduate student for your entire two-year term of office), most particularly from those whom have been historically under-represented on the AASP - The Palynological Society Board of Directors.

**Your Role:** The Student Director-at-Large serves as the voice for students in the society and is a full voting member of the Board of Directors. You will serve a two-year term, just like the other directors-at-large. This means you are required to attend the following board meetings in person or via virtual meeting software (usually Skype): incoming board meeting 2018; mid-year meeting 2019; both board meetings at the annual meeting in 2019; mid-year meeting 2020; and the outgoing board meeting in 2020.

**Benefits to You:** You are eligible to receive travel funding to attend the three annual meetings that occur during your term in office at the same rate as other members of the board of directors. You will see first-hand how an international scientific society operates and gain experience in professional service.

**How to Volunteer:** Please submit 1) a short biographical sketch and statement of what you hope to accomplish as a student director-at-large (the bio) and photograph of yourself for inclusion in the June Newsletter, 2) a short letter from your academic advisor / project director stating that they support your candidacy and affirm that you have at least two years' remaining in your program.

Nomination documents are due to the society secretary (Dr. Stephen Stukins; [s.stukins@nhm.ac.uk](mailto:s.stukins@nhm.ac.uk)) by February 15, 2018. He will send you an agreement to serve form, which must be returned by February 28, 2018.



# *SOCIETY AWARDS*

Martin Farley, Awards Committee Chairman

AASP-TPS has a number of awards that recognize accomplishments of palynologists. Here I deal only with awards not directly associated with society officers or students (other than the Undergraduate Awards) or awards at the Annual Meeting.

The deadline is March 1 of each year for submission of nominations to the Awards Committee. The basic nomination procedure is similar for most awards (main letter of nomination accompanied by letters of support, these to include documentation of accomplishment). Details on the procedures for each award can be found at <http://www.palynology.org/content/awardproced.html>, while a complete list of the people who have received these awards in the past can be found on the third page of this newsletter.



## **Distinguished Service Award**

This award recognizes individuals who have generously supported the Society with their work and resources over a number of years and whose efforts have advanced the Society. Typically, recipients have held society office, participated in committees, or dealt with publications or meetings. There have been 19 recipients of this award, most recently Fred Rich and Jim Riding in 2016.

## **Honorary Life Membership**

This is actually the oldest AASP award with the first awards dating to 1975. This award is given either to people making fundamental contributions to the science of palynology or people who have given the AASP devoted service or both. Honorary Life Membership has been awarded to 16 individuals, most recently to Norm Norton in 2016.

## **Medal for Excellence in Education**

This medal recognizes leaders in palynological instruction. Nominees are expected to have considerable experience and accomplishment in all aspects of academic education involving palynology, including training of new scientists for the field. The medal has been awarded four times, most recently to Geoff Clayton in 2016.

## **Medal for Scientific Excellence**

The Society's highest award for achievement in the science of palynology is the Medal for Scientific Excellence. The official description lists "fundamental contributions to the development of the science of palynology" as the main criterion. Recipients should have a substantial research history in the field. The medal has been awarded 11 times in the history of the Society, most recently to Vaughn Bryant in 2016.

## Undergraduate Student Awards

In order to support the teaching of palynology at the undergraduate level, and to encourage and reward student achievement, AASP-The Palynological Society offers the AASP Undergraduate Student Award.

The awards are made annually to students nominated by faculty members teaching courses with significant palynological content. One student recipient, with meritorious achievement in some aspect of the course, can be nominated per year per institution.

The following institutions already have approved courses from which undergraduate students may be selected: University of Southampton, Louisiana State University, University of Tennessee-Knoxville, University of Portsmouth, Morehead State University, and Trinity College Dublin.

A faculty member, who is a member in good standing of AASP, and who teaches an appropriate course, may nominate the course using the Registration Format found below. This should be cut-and-pasted into a word document and sent to the awards committee chair at: [mbfarley@sigmaxi.net](mailto:mbfarley@sigmaxi.net). Upon approval by the Awards Committee, faculty teaching approved courses may nominate a student to receive the award at any time of the year on the basis of their qualifying criteria by sending the name, address, and email address of the recipient to the Awards Committee Chair and Secretary ([s.stukins@nhm.ac.uk](mailto:s.stukins@nhm.ac.uk)). Additionally, faculty must send the name of the winner, a paragraph about their achievements, and a photograph to the newsletter editor ([palynologylexington@gmail.com](mailto:palynologylexington@gmail.com)) or associate editor ([gildalopes83@gmail.com](mailto:gildalopes83@gmail.com)) for inclusion in the March newsletter (for awards made between July and December) or June newsletter (for awards made between January and June) each year.

Each award consists of one year's free membership in the Society to include digital issues of the Society's publications, the journal Palynology and the quarterly newsletter, discounted registration fees at Society meetings, and eligibility for Society awards.



### AASP Undergraduate Student Award – Course Registration Form

Nominating faculty member:

University/Higher Education Institution:

Course Name:

Course Description and level:

Average number of students registered in the course annually:

Number of hours of palynological instruction:

Criteria used to determine the winning student:

Date:

## **2018 AASP STUDENT RESEARCH GRANTS**

The Society will entertain applications for Student Research Grants with a deadline of:  
**March 31, 2018**

AASP is pleased to announce that through the generosity of a donation by Juanita McNeilly to honor the memory of her late husband, Roy McNeilly, there will be a McNeilly Research Grant to support student research in Cenozoic tropical palynology. For the purposes of this Grant, Cenozoic tropical palynology covers student projects that address any scientific question using terrestrial palynomorphs or terrestrial with marine palynomorphs.

In addition, AASP offers Student Research Grants to support research in any area of palynology. Ordinarily, the grants will be offered to beginning graduate students, but advanced undergraduates may also apply. Student Research Grants are to be used for costs directly connected to carrying out research, such as fieldwork and laboratory expenses. The qualification of the student, the originality and imagination evident in the proposed project, and the likelihood of significant contribution to the science of palynology are factors that will be weighed in the selection of award winners. Previous winners of this award are eligible only if they are pursuing a different degree than the one they were pursuing when they received the previous award.

AASP Student Research Grants are available to all students of palynology in all countries and these students need not be members of AASP.

Application forms can be downloaded from our website at <http://www.palynology.org/student-support>. Inquiries and completed application materials should be sent electronically to the Chair of the AASP Awards Committee:

Martin Farley

Dept. of Geology & Geography, University of North Carolina at Pembroke

[mbfarley@sigmaxi.net](mailto:mbfarley@sigmaxi.net)

## **ADVICE ON PREPARING AN EFFECTIVE APPLICATION FOR AN AASP STUDENT RESEARCH GRANT**

The single most valuable piece of advice is “know and write to your audience.”

You have only a very limited space to describe your project, so use the words wisely. Writing briefly is more difficult than writing at length, but is worth the effort. Literature review should be at a minimum. Keep in mind that the Awards Committee does not know all the context for your project, and may not even have a closely related specialty in palynology. Thus it is important to write for this broader audience. It can be a good idea to show your text to someone who is not a palynologist or involved in the project to see if they understand your description well. It is fine to have a project that integrates palynology with other data, but be sure to make clear what palynological work you will be performing. If there is prior palynological work, explain how your approach is new or different.

# CONSIDER HELPING OUR MISSION

## 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 2018 "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, 2018.***

### 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.

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## 2018 AASP Foundation Century Club Contribution Form

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Mail to: Robert T. Clarke, Treas.  
AASP Foundation  
3011 Friendswood Dr.  
Arlington, TX 76013-2033

Contribution Enclosed: \$ \_\_\_\_\_

I wish to pledge: \$ \_\_\_\_\_



# FUTURE MEETINGS OF AASP - THE PALYNOLOGICAL SOCIETY

2018 - 51st Annual Meeting

Calgary, Alberta, Canada

Organizers: Kimberley Bell & Thomas Demchuk

2019 - 52nd Annual Meeting

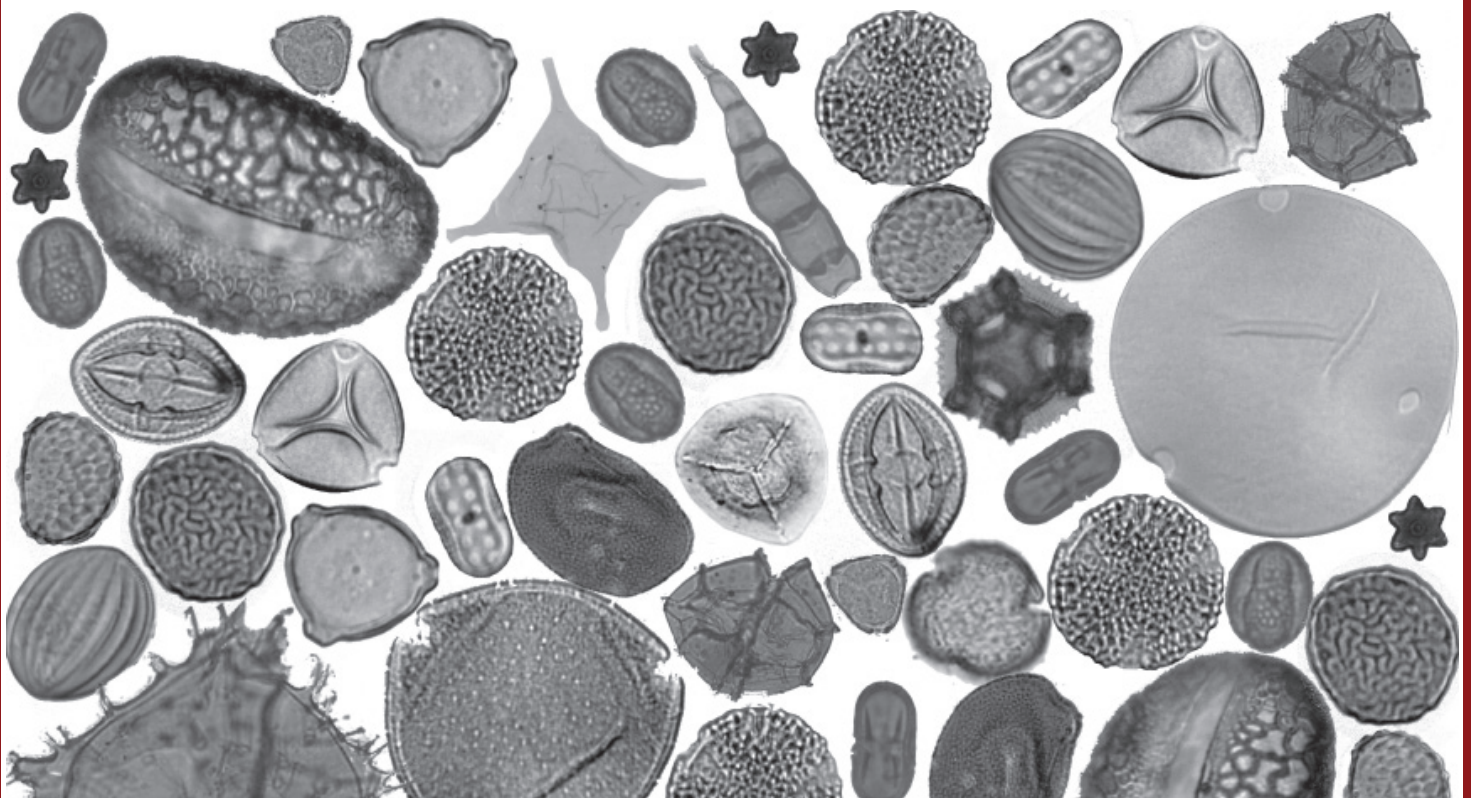
Ghent, Belgium

Organizers: Stephen Louwye & Thijs Vanderbrocke

2020 - 53rd Annual Meeting

Baton Rouge, Louisiana, USA

Organizer: Sophie Warny



# 51st Annual Meeting of AASP- The Palynological Society joint with the Canadian Association of Palynologists (CAP) Annual General Meeting

*Calgary, Alberta, Canada*  
August 5th - 10th, 2018



*Calgary, Alberta and Canadian Rocky Mountains - Calgary Tourism*

## **Second Circular**

Please join us for the 51st Annual Meeting of AASP-The Palynological Society in Calgary, Alberta, Canada this August. Calgary is ideally located between the Canadian Rocky Mountains and the Alberta Badlands, offering a plethora of potential extra curricular activities pre- and post meeting.

### **VENUE**

The venue for this meeting is the recently renovated Calgary Marriott Downtown Hotel boasting exceptional location with a stylish whisky bar (One18 Empire) featuring creative Canadian dining. The hotel is located adjacent to Stephen Avenue; a major pedestrian mall known for its restaurants, pubs, bars, cafes, shopping and entertainment venues. A block of rooms has been secured at the Marriott at a negotiated rate of \$199 CAD/night + taxes. Instructions for making room reservations will be released shortly.



*Stephen Avenue - Calgary Tourism*



*Calgary Marriott Downtown Hotel*

### **TRANSPORTATION**

Calgary is easily accessed by the Calgary International Airport (YYC) which is serviced by most major American and International airlines. Transportation to the hotel area from the airport is available via taxi, public transportation or airport shuttle (reservation required).

Public transportation, including light rapid transit, is available from the conference venue area. Visit [www.calgarytransit.com](http://www.calgarytransit.com) for additional information.



# 51st Annual Meeting of AASP- The Palynological Society joint with the Canadian Association of Palynologists (CAP) Annual General Meeting

Calgary, Alberta, Canada  
August 5th - 10th, 2018



Art Sweet



Len Hills

## TECHNICAL SESSIONS

In addition to offering general technical sessions, we have three proposed special sessions/ symposia:

- Special session in honour of Leonard (Len) V. Hills and Arthur (Art) R. Sweet on Western Canadian Palynology and the Cretaceous Western Interior of North America.
- Symposium on Canadian East Coast biostratigraphy and palynology (including the Atlantic Margin).
- CAP special session: From land to sea - innovative research by Canadian palynologists.

## FIELD TRIPS

*Pre-meeting trip:*

### **Alberta Badlands & Royal Tyrrell Museum (Drumheller, Alberta)**

This one day trip (Sunday, August 5th) features the Alberta Badlands, a landscape of coulees and hoodoos famous for rich deposits of fossils, including dinosaur bones which are showcased at the Royal Tyrrell Museum of Paleontology. We will be visiting this world-class museum, which is the only Canadian museum dedicated exclusively to the science of paleontology.



Alberta Badlands near Drumheller

*Post-meeting trips:*

### **Canadian Rocky Mountains (Banff, Alberta)**

This one day field trip (Thursday, August 9th) features local geology and paleontology west of Calgary in the Rocky Mountain Front and Main Ranges, including Banff National Park.

### **Burgess Shale & Canadian Rocky Mountains (Banff, Alberta and Field, British Columbia)**

We are offering a two day trip (Thursday, August 9th and Friday, August 10th) to visit both the Canadian Rocky Mountains and the Burgess Shale UNESCO World Heritage Site. The first day of this trip will be held in conjunction with the "Canadian Rocky Mountains" field trip (above), however, instead of returning to Calgary at the end of the first day, this trip involves an overnight stay in Field, BC. The second day of the field trip features a strenuous guided hike up to Walcott Quarry to see the famous Burgess Shale, containing exquisitely preserved 508 million year old fossils of soft-bodied marine animals.



# 51st Annual Meeting of AASP- The Palynological Society joint with the Canadian Association of Palynologists (CAP) Annual General Meeting

Calgary, Alberta, Canada  
August 5th - 10th, 2018

## TENTATIVE SCHEDULE

### Sunday, August 5th:

- One day Alberta Badlands & Royal Tyrrell Museum field trip (Drumheller, Alberta)
- Outgoing board meeting (6pm-9pm, Inglewood Boardroom @ Marriott Hotel)

### Monday, August 6th:

- Technical Session (Sunalta Room @ Marriott Hotel)
- Icebreaker: Paly Patio Party (6pm-8pm @ Marriott's Roof Top Patio)

### Tuesday, August 7th:

- Technical Session (Sunalta Room @ Marriott Hotel)
- CAP AGM (11:30am-1:30pm @ One18 Empire)
- Business & Beer Bash (7pm @ Last Best Brewing & Distilling) - **tickets \$65 CAD**

### Wednesday, August 8th:

- Technical Session (Sunalta Room @ Marriott Hotel)
- Incoming board meeting (4:30pm-7pm @ One18 Empire)

### Thursday, August 9th:

- One day Canadian Rocky Mountains field trip (Banff, Alberta)
- First day of Burgess Shale & Canadian Rocky Mountains field trip (Banff, Alberta)

### Friday, August 10th:

- Second day of Burgess Shale & Canadian Rocky Mountains field trip (Field, British Columbia)



Canadian Rocky Mountains, Banff National Park

**Abstract Deadline: May 31st, 2018**

## REGISTRATION RATES

(in Canadian dollars)

|                         | <b>Early Bird</b><br>(before<br>June 1st) | <b>Regular</b><br>(June 1st<br>onward) |
|-------------------------|-------------------------------------------|----------------------------------------|
| Student member          | <b>\$300</b>                              | \$325                                  |
| Student non-member      | <b>\$340</b>                              | \$375                                  |
| Professional member     | <b>\$400</b>                              | \$445                                  |
| Professional non-member | <b>\$470</b>                              | \$525                                  |

**Website coming  
soon!**

## Organizing Committee:

Kimberley Bell ([kmball@ucalgary.ca](mailto:kmball@ucalgary.ca))  
Thomas Demchuk ([tdemchuk@swbell.net](mailto:tdemchuk@swbell.net))



**NEWSLETTER**  
**XVII SAPP**  
**DECEMBER 2017**

Dear colleagues,

We send you some news and reminders of important information related to the next XVII Argentine Symposium on Paleobotany and Palynology.

**The date for submission of abstracts and payment of registration is extended up to MARCH 31, 2018**

**Registration to the event**

A NEW ONLINE ENROLLMENT FORM is in preparation, clearer and easier to complete, which will be accessible through a link that will be in the registration section on the symposium page:

<http://fcyt.uader.edu.ar/web/sapp2018/inscripcion>

It will communicate by mail when the online form is available to be completed.

We apologize for the delay and the inconvenience this may cause.

## INSCRIPTION

|                                         | Professionals<br>Partners ALPP | Professionals<br>Partners<br>APA/SAB | Professionals | Degree<br>students+ |
|-----------------------------------------|--------------------------------|--------------------------------------|---------------|---------------------|
| Early Registration<br><b>31/03/2018</b> | USD 100                        | USD 120                              | USD 140       | USD 40              |
| Onwards*                                | USD 120                        | USD 140                              | USD 160       | USD 50              |
| COURSES #                               | USD 15                         | USD 30                               | USD 40        | NO FEE              |

\* Registration costs will be maintained until the date of the Symposium.  
Accreditations can be made every day.

### # Registration fee for the following courses:

**Forensic Palynology**

**Palynofacies**

## PAYMENT METHODS

See in the website <http://fcyt.uader.edu.ar/web/sapp2018> under *Inscripción*.

## The Latin American Association of Paleobotany and Palynology (ALPP) and the International Organisation of Palaeobotany (IOP) Awards

The ALPP and IOP associations kindly offer **awards** for PhD students and young postdocs (up to 5 years after defending their doctorate), at the SAPP conference in July 30-August 5, 2018. The IOP will award three participants who present best talks as first author in the field of Paleobotany and the same will do the ALPP to four participants in the fields of Paleobotany and Palynology.



Participants do need to indicate if they apply for one or both awards in the registration form (see in the website of SAPP, and see IOP newsletter) and to which category (PhD student or young postdoc) they belong. They must be current members of IOP and ALPP at the time of registration, or become a member by the first day during registration at the meeting. The members of the Directive Committee will select the jury that will evaluate the participants during the event.

Winners will receive their prizes at the ALPP Assembly at the end of the event, which consists of a certificate and 100 USD. For inquiries about the award or the means to partner with IOP or ALPP please contact Dr. Mercedes Di Pasquo ([medipa@cicyttp.org.ar](mailto:medipa@cicyttp.org.ar)).

ALPP - <http://alpaleobotanicapalinologia.blogspot.com.ar>

IOP- <http://palaeobotany.org/page/forthcoming-meetings>

### **ALPP Partners**

We remind you of the values of the corporate fee for members of the ALPP. The 2018 fee can begin to be paid.

**Professionals** (includes graduate students): USD\$ 12 per year

**Undergraduate students:** USD\$ 6 per year

**Retirees:** free of charge

### **Payment Methods**

a) directly to the delegates or to any member of the CD (see list in the Blog <http://alpaleobotanicapalinologia.blogspot.com.ar/p/socios.html> or contact [medipa@cicyttp.org.ar](mailto:medipa@cicyttp.org.ar)).

c) through the deposit in the following bank account \*:

Titular: Di Pasquo Lartigue María

Banco de la Nación Argentina CBU: 0110241530024171768083

CUIT: 27172553333

\* Send proof of deposit scanned by e-mail to the electronic address of the president (medipa@cicyttp.org.ar) and INFORM THE PAYMENT by completing the following ONLINE FORM:

[https://docs.google.com/forms/d/e/1FAIpQLSe3oiUgcVVAzQTzIgGCvsgX6PeQs390W3nnc9aycW-q5KXUZQ/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSe3oiUgcVVAzQTzIgGCvsgX6PeQs390W3nnc9aycW-q5KXUZQ/viewform?usp=sf_link)

### **Clarifications**

For Argentine partners we prefer payments by bank transfer since it has no transaction costs.

For partners from other countries we enable other means of payment through the PAY-U platform. You can access the link of this platform from the blog of ALPP (<http://alpaleobotanicapalinologia.blogspot.com.ar/p/socios.html> ).

**The ALPP's Boarding Committee and the SAPP's Organizing Committee wish you the best for 2018, in which our projects and wishes come true in Peace and Harmony.**

See you soon in Paraná!!



# MASTER CLASS

**“Terrestrially-Derived Fossil Palynoflora:  
Subsurface Application to Stratigraphy and Modeling”  
July 16-20, 2018 Florence, Italy**

## Course Instructors:

**Adele Bertini, Timme Donders, Guy Harrington,  
Carlos Jaramillo, Robert Morley, David Pocknall,  
Mercedes Pramparo, Mike Stephenson, Jim Riding,  
Paul Strother, Roel Verreusel**

## Course Organizers:

**Adele Bertini, Peter Bijl, Thomas Demchuk, Timme Donders**

## Course Outline:

- General Pollen/Spore Morphology and Taxonomy, Concepts and Applications
- Paleozoic-Mesozoic-Cenozoic Spore Chronostratigraphy and Paleoecology  
Special focus on Middle East, Southern Hemisphere, N.W. Europe, West Africa, Southeast Asia, North and South America
- Quaternary and Holocene Palynostratigraphy and Paleoecology

## The Aims and Deliverables of the Class will be:

- To provide instruction on basic pollen/spore/algal taxonomy as an aid in identifying and classifying varied terrestrially-derived palynoflora
- To provide a general background into terrestrial palynomorph morphology, taxonomy, chronostratigraphy, paleoecology and paleoclimate through the Phanerozoic
- To provide case studies of standard and innovative industrial applications of terrestrially-derived pollen/spore/algae to subsurface problem solving, including calibration to sequence stratigraphic modeling  
Middle East-Paleozoic: Southeast Asia-Cenozoic: West Africa-Neogene
- Each topic and lectures will be accompanied by microscope workshops
- A fieldtrip is being planned but is not yet finalized
- Anticipated Course Fees: Students €300, Consultant/Industry €600

For additional information and interest in attending this Class please contact:  
Thomas Demchuk at [tdemchuk@swbell.net](mailto:tdemchuk@swbell.net)



# FIRST ANNOUNCEMENT

## ADVANCED COURSE in

### Jurassic - Cretaceous - Cenozoic

# ORGANIC-WALLED DINOFLAGELLATE CYSTS

**Morphology - Stratigraphy - Palaeoecology**

**When:** July 1st to July 6th, 2018

**Where:** Nottingham, United Kingdom

**Costs:** Academic €400; Consultant €800;  
Industry €1200

Registration includes a license to the  
new PALSYS.org dinocyst taxonomic  
and stratigraphic database

Pre-registration: email your name and  
affiliation to [info@lpp-foundation.nl](mailto:info@lpp-foundation.nl)



The course takes place at the British  
Geological Survey at Keyworth: very  
close to the city of Nottingham,  
and close to Birmingham Airport.

There will be a midweek field excursion  
to sites of geological interest in the  
nearby Peak District National Park.

Proposals for adjacent workshops will be  
considered.

More info: [info@lpp-foundation.nl](mailto:info@lpp-foundation.nl);  
[www.lpp-foundation.nl](http://www.lpp-foundation.nl)



**Presented by**

**Peter Bijl, Appy Sluijs (Utrecht University, NL); Martin J. Head (Brock University, Canada);  
Jörg Pross (Heidelberg University, Germany); James Riding (BGS, UK);  
Poul Schiøler (Goodall Palaeo PTY LTD, Aus)**

**With contributions from:**

**Rob Fensome, Graham Williams (GSC Atlantic, Canada); Martin Pearce (Evolution Applied, UK); Roel Verreussel,  
Dirk Munsterman, Alexander Houben (TNO, NL); Henk Brinkhuis, Francesca Sangiorgi (Utrecht University, NL)**

**Local coordinator: J.B. Riding (Nottingham, UK)**



MORGAN GOODALL PALAEO PTY LTD



Universiteit Utrecht



The IPC is organised every four years under the auspices of the International Palaeontological Association ([www.ipa-assoc.org](http://www.ipa-assoc.org)). After Sydney (Australia) in 2002, Beijing (China) in 2006, London (United Kingdom) in 2010 and Mendoza (Argentina) in 2014, it will convene in Paris (France) in 2018.



## THE 5<sup>TH</sup> INTERNATIONAL PALAEONTOLOGICAL CONGRESS

July 9<sup>th</sup> - 13<sup>th</sup>, 2018  
FRANCE

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# THE FOSSIL WEEK

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## INVITATION

On behalf of the Organising Committee, we are particularly pleased to invite you to France for **the fifth edition of the International Palaeontological Congress, the IPC5.**

Under the auspices of the International Palaeontological Association (IPA) and with the participation of the whole French Palaeontological community, "the Fossil week" will be organized **in 2018 in Paris, July 9<sup>th</sup>-13<sup>th</sup>.**

This event is a unique opportunity for our community to present its new results and discuss all aspects of our discipline.

We propose here some possible symposia and sessions. Of course, the list is provisional and it is still completely open. We are waiting for your proposals.

Fieldtrips are planned before and after the congress throughout France, Belgium and Italy. They will give you the opportunity to discover our palaeontological, geological and gastronomic heritages.

**We hope to welcome many of you in France in 2018.**



View of the Seine River and the Notre-Dame Cathedral

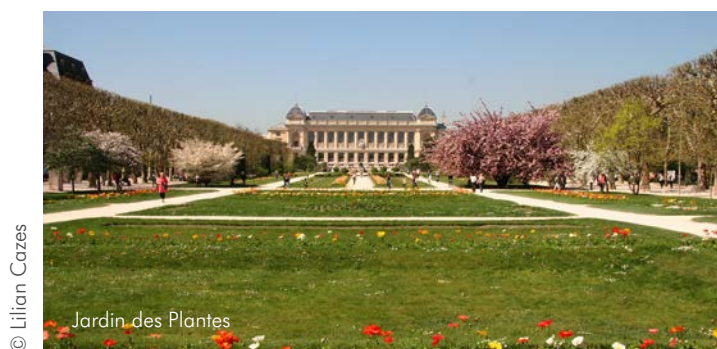


## VENUE

The meeting will take place in the Pierre & Marie Curie University and in the National Museum of Natural History, both located in the 5th arrondissement, in the center of Paris, along the left bank of the Seine River. This district is commonly known as the *Quartier Latin* because it is where the first great Parisian university, the Sorbonne, was founded, and because Latin was the language of scholars at the time. The 5th arrondissement was also the core of Lutetia, the antique city of Paris, as revealed in a number of archaeological sites.



The most famous building of the 5th arrondissement is probably **the Pantheon**, where graves of influential French personalities are clustered, but there are many other noteworthy sights, such as the magnificent **Val-de-Grâce Church**, the intriguing **St-Etienne-du-Mont Church**, the **Cluny Museum**, the **Roman Arènes de Lutèce** and the city's botanical garden, **the Jardin des Plantes**, surrounding buildings of the National Museum of Natural History. This institution housed one of **the largest collections of natural objects of the world** with more than **68 million specimens**. The palaeontology collection itself contains between 5 and 6 million specimens.



The opening plenary session will take place in “La Maison de la Mutualité”. During its 80 years of existence, this building has hosted many historical events and welcomed prominent personalities: it is where Charlie Chaplin recorded the music for some of his movies; among world-class singers, Edith Piaf, Jacques Brel and Léo Ferré performed there.



The Fossil Week meeting will take place from the 9th to the 13th July of 2018. This will allow conveners to extend their stay to enjoy the festivities relating to the French National Day, July 14th. The weather is pleasant during summer time, with an average of 25°C (77°F).

## TRANSPORTATION



Paris has daily connections with more than 526 cities in more than 136 countries via its international airports, namely Paris - Charles-de-Gaulle (23 km northwards; commuting time 45-60 minutes by city train) and Paris - Orly (14 km southwards, commuting time 30-40 min by city train).

With seven train stations in Paris itself, the city is at the heart of an exceptionally comprehensive and high-performance rail network. On a daily basis, 425 high-speed trains connect various destinations across Europe with the French capital.

French regions (Alsace, Burgundy, Brittany, Champagne, etc.) can be reached in a few hours from Paris, thanks to this well-developed transportation network and its central position in France.

Paris is equipped with top-class infrastructures and, in particular, a dense and versatile transportation network, in which the subway, bus, tramways, taxis, “vélib” (the city’s bike sharing scheme), and now the “autolib”, are interlinked.

Participants who require a support letter for visa application are invited to contact the organizing committee ([congress-ipc5-contact@mnhn.fr](mailto:congress-ipc5-contact@mnhn.fr)). This letter does not imply any financial obligation on the part of the Congress organizers.

## ACCOMODATION

With more than 2,000 hotels, Paris provides visitors with stylish options at all price ranges. Bed & Breakfasts, youth hostels and furnished apartment rentals complete the wide accommodation offer. Conference participants have to make their own accommodation arrangements.

## RESTAURATION

Paris, known as the Capital of Gastronomy, invites travellers from all over the world to have a feast! The art of French cooking owes its success to the mastery of classic basics updated by today's chefs. The city has the second highest number of Michelin-recommended restaurants in the world. Besides notorious haute-cuisine temples, Paris is replete with informal cafés, eccentric wine bars, vintage bistros, and the new bistronomies, serving affordable modern cuisine in a casual setting. Finding baguettes of unrivalled crispness is no challenge here. All sorts of world cuisines are also well represented.

## ORGANIZATION

The organizing structure is the CR2P (Centre of Research on Palaeobiodiversity and Palaeoenvironments - [paleo.mnhn.fr](http://paleo.mnhn.fr)). This laboratory is composed of lecturers and professors from the MNHN (National Museum of Natural History) and the UPMC (Pierre & Marie Curie University – Paris 6) and of researchers from the CNRS (National Scientific Research Center). Altogether, the CR2P includes 41 tenured scientists, 27 postdocs and PhD students, and 27 engineers, technicians and administrative staff. This makes it one of the largest research laboratories in the world exclusively devoted to Palaeontology. The French Geological Society (SGF) will support the congress organization.

### General chair

Sylvie Crasquin

### Secretary general

Angelina Bastos and Stéphane Peigné

### General management

Gaël Clément, Michel Laurin, Isabelle Rouget and Brigitte Senut

### Communication

Sophie Fernandez, Damien Germain, Florent Goussard and Adeline Kerner

### Field trips

Ronan Allain and Patrick De Wever

### Scientific chairs

Olivier Béthoux, Sylvain Charbonnier, Emmanuel Gheerbrant, Didier Merle and Annachiara Bartolini

Palaeontologists from other institutions in France (Universities of Bordeaux, Brest, Burgundy, Lille, Lyon, Montpellier, Nantes, Poitiers, Rennes, Toulouse and the regional Natural History Museums) are involved with the organization of both fieldtrips and symposia.

## SCIENTIFIC COMMITTEE

### Honorary scientists

|                         |                                 |
|-------------------------|---------------------------------|
| Philippe Taquet .....   | French Academy of Sciences      |
| Philippe Janvier .....  | French Academy of Sciences      |
| Yves Coppens .....      | French Academy of Sciences      |
| Armand de Ricqlès ..... | Pierre & Marie Curie University |

### International representatives

|                               |                              |
|-------------------------------|------------------------------|
| Lucia Angiolini .....         | Milano, Italy                |
| Marion Bamford .....          | Johannesburg, South Africa   |
| Spela Gorican .....           | Ljubljana, Slovenia          |
| David A.T. Harper .....       | Durham, UK                   |
| Dieter Korn .....             | Berlin, Germany              |
| John Long .....               | Adelaide, Australia          |
| Rossana Martini .....         | Geneva, Switzerland          |
| Harufumi Nishida .....        | Tokyo, Japan                 |
| Guntupalli V. R. Prasad ..... | Delhi, India                 |
| Claudia V. Rubinstein .....   | Mendoza, Argentina           |
| Paul Sereno .....             | Chicago, USA                 |
| Blaire Van Valkenburgh .....  | California, Los Angeles, USA |
| Zhonghe Zhou .....            | Nanjing, China               |

### French region scientists

|                               |                              |
|-------------------------------|------------------------------|
| Pierre-Olivier Antoine .....  | Montpellier University       |
| Loïc Bertrand .....           | IPANEMA, SOLEIL, Saclay      |
| Eric Buffetaut .....          | CNRS, ENS Paris              |
| Bruno Maureille .....         | CNRS, Bordeaux University    |
| Brigitte Meyer-Berthaud ..... | CNRS, Montpellier University |
| Pascal Neige .....            | University of Burgundy       |
| Didier Néraudeau .....        | Rennes University            |
| Olga Otero .....              | Poitiers University          |
| Thomas Servais .....          | CNRS, Lille University       |
| Jean Vannier .....            | CNRS, Lyon University        |

### Local representatives

|                       |                     |
|-----------------------|---------------------|
| Sylvie Crasquin ..... | CR2P, Paris, France |
| Stéphane Peigné ..... | CR2P, Paris, France |

## PRESENTATIONS AND LANGUAGE OF THE CONGRESS

Detailed instructions for duration of regular talks and for preparation of posters and talks will be given in the second circular.

English will be the official language of the meeting and excursions.

Abstracts: collected abstracts will be published on-line and made available on memory sticks to all participants. It is also planned to publish symposium proceedings in reputable journals.



## SYMPOSIA

The Plenary opening session ceremony will take place at the Mutualité; it will include some invited talks. The scientific sessions will be organized in parallel on Pierre & Marie Curie University Campus and in the Jardin des Plantes amphitheatres. All these places are separated by less than 500 m.

| Saturday<br>July 8th | Monday<br>July 9th                                 | Tuesday<br>July 10th       | Wednesday<br>July 11th                                  | Thursday<br>July 12th  | Friday<br>July 13th                                 | Saturday<br>July 14th  |
|----------------------|----------------------------------------------------|----------------------------|---------------------------------------------------------|------------------------|-----------------------------------------------------|------------------------|
|                      | Registrations<br><br>Plenary<br>opening<br>session | Scientific<br>sessions     | Free day or<br>Workshops;<br>Mid-congress<br>fieldtrips | Scientific<br>sessions | Scientific<br>sessions                              | French<br>National Day |
| Registrations        | Scientific<br>sessions                             | Scientific<br>sessions     | Free day or<br>Workshops;<br>Mid-congress<br>fieldtrips | Scientific<br>sessions | Plenary<br>dosing<br>ceremony<br>and<br>IPA session |                        |
|                      |                                                    | IPC5 cocktail<br>dinatoire |                                                         | Gala dinner            |                                                     |                        |

Some scientific sessions have already been proposed by the French palaeontologists and are listed below. We call here for other proposals.

All the palaeontological groups have their own meetings, so please do not propose session too much focused on taxa. **The IPC is the opportunity to mix the different group approaches.**

- African Vertebrate Palaeontology
- Angiosperms, from the beginning to their diversification
- Back to the sea: from Late Palaeozoic to Cenozoic, the marine tetrapod adventure
- Biodiversity changes through times: crisis and radiations
- Biomineralisation and life
- Bird evolution
- Data, dispersals and interchanges through time: a land mammal perspective
- Databases in palaeontology: sharing knowledge for leveraging research options
- Early Life: origin, triggers and diversification
- Evolution of Indo-Pakistan biotas from the break-up of Gondwanaland (Late Jurassic) to the initiation of the collision with Eurasia (Eocene): between vicariance and dispersals
- Evolution of trees and forests
- Fossil 2D/3D imagery: approaches, advances, management
- Fossils & Recent, Molecules & Morphology: dialogs between the approaches
- Fossils and stratigraphy: an old but still dynamic symbiosis
- Intimate interactions
- Konservat-Lagerstätten
- Macroecology and the fossil record
- Microorganism evolution and interaction with biogeochemical cycles and climate
- Neogene environments
- Palaeontology and geological heritage
- Palaeozoic seas: from deep to shallow
- Practical micropalaeontology (including palynology)
- Timetrees
- XXIst Century palaeohistology of mineralized tissue.

Send your proposal to [congress-ipc5-contact@mnhn.fr](mailto:congress-ipc5-contact@mnhn.fr) before May 31st, 2017.

A proposal should include

- Name of conveners
- Symposium title
- Paragraph explaining the scope and importance of the symposium

## SHORT COURSES & WORKSHOPS

Some short courses and workshops will be organized during the congress. Additional information will be available in the second circular.

## MID-CONGRESS EXCURSIONS

- Survey of the MNHN Collections (only through early request).
- Field trip to underground quarries at Meudon
- Guided geological walks inside Paris
- One-day visit at IPANEMA, SOLEIL synchrotron, Saint Aubin, Paris Region
- The Cenozoic of the Southern Paris Basin
- Visit of the “Centre de Recherche pour la Conservation des Collections” (MNHN)

## FIELD EXCURSIONS

Paris will allow all participants to enjoy *the French art de vivre*. In addition to Paris and its vicinity, field excursions will offer the opportunity to (re)discover many aspects of **France** and of **Belgium** and **Italy**.

France is unique for the outstanding richness and importance of its fossil localities, all easily accessible, with all periods of the Phanerozoic geological time represented. Some of the earliest geological maps were produced here by Cuvier and Brongniart, and many stratotypes (Cenomanian, Givetian, Lutetian, Turonian, etc.) are located here.

Among the most famous Konservat-Lagerstätten are those of **Montceau-les-Mines** (Late Carboniferous), **La Voulte-sur-Rhône** (Middle Jurassic), and the Cenozoic sites of **Coiron** and **Sansan**. The best European Palaeocene terrestrial fossil localities are found near **Reims**. Cretaceous sites in **Charentes** provides dinosaurs as well as fossils in amber. Recently, geological reserves or geological parks were created, sometimes associated with stratotypes. Among them are **Saucats-La Brède** (Aquitanian), **Digne-les-Bains** (Barremian, Aptian), **Hettange-Grande** (Hettangian), **Pointe de Givet** (Givetian), Sainte Victoire mountain, etc. These constitute a number of attractive spots for geologists and palaeontologists.

We propose here pre- and post-congress fieldtrips.

Participants will enjoy a unique experience in palaeontological journeys that will be exquisitely combined with gastronomical, artistic or historical adventures!

© Fabrice Redois



The castle of Angers

- Anjou noir, Anjou blanc, Anjou rouge: paleontology and geology of **the Loire Valley**  
4 days

- Excavations at the Early Cretaceous Dinosaur Bonebed of **Angeac-Charente**  
5 days

- Geology, wine and culture: **Jura, Bourgogne and Champagne**  
6 days

© Marne Tourist Office - S. Millot



Marne vineyard

- Jurassic from **Normandy**  
2 days

- Jurassic from **Northern Burgundy to Lyon** area: fossils, wine and patrimonial aspects  
4 days

- **Le Regourdou (Dordogne)** : "the cave of the Neandertal Man who saw the bear"  
2 days

© Creative Commons BY-SA



The city of Givet

- **Luberon & Haute-Provence** palaeontological sites (**Southeast France**)  
5 days

- Mid-Late Palaeozoic of **western Europe** : the **Belgian Classics**  
3 days

- **Montceau-les-Mines Lagerstätte** (Carboniferous) and **Autunian Stratotype** (Permian)  
2 days

- Permian and Mesozoic environments in **southern France**  
5 days

© Global Geoparks network



Geopark Haute Provence

- The end-Permian mass extinction and the Early Triassic biotic recovery in the Dolomites (**Southern Alps, Italy**)  
4 days

- The Late Jurassic dinosaur trackways from **Jura**  
5 days



## SOCIAL PROGRAM

IPC5 “cocktail dinatoire” will be organized on Tuesday 10th evening in the **Great Gallery of Evolution in the National Museum of Natural History**. The Gala diner will take place on Thursday 12th evening.

© MNHN - Jacques Vekemans



## REGISTRATION

The registration fees will include the Tuesday evening cocktail, the coffee breaks and the conference documents. The Gala Diner is optional; additional information and price will be in the second circular.

Refund of registrations fees will be subject to conditions. Details will be given in the next circular.

|                                         | Full registration | Students |
|-----------------------------------------|-------------------|----------|
| September 1st to December 31st, 2017    | 360 €             | 200 €    |
| From January 1st to March 31st, 2018    | 460 €             | 290 €    |
| From April 1st, 2018 to June 30th, 2018 | 560 €             | 380 €    |

## TRAVEL GRANTS

The organising Committee is looking for corporate and governmental sponsorships in order to get travel grants for students. Additional information to apply will be in the next circular.

Our delegates are advised to take out their **own private medical and personal insurance for the duration of the Congress and field excursions**.

## IMPORTANT DATES

- Second circular: Spring 2017
- Call for symposium topics before May 31st, 2017
- Opening of registration: September 1st, 2017

contact : [congress-ipc5-contact@mnhn.fr](mailto:congress-ipc5-contact@mnhn.fr)

### Organisers



### Administrative supervision



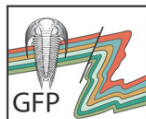
**MUSÉUM**  
NATIONAL D'HISTOIRE NATURELLE



**UPMC**  
SORBONNE UNIVERSITÉS

**SORBONNE**  
UNIVERSITÉS

### Partners



**MUSÉUM**  
D'HISTOIRE  
NATURELLE  
de Toulon et du Var







# 10<sup>TH</sup> EUROPEAN PALAEOBOTANY & PALYNOLOGY CONFERENCE



University College Dublin, Ireland  
12th-17th August 2018

Welcome Reception: Guinness Storehouse Sunday 12th

Conference Dinner: The Banking Hall, Westin Dublin Hotel Thursday 16th

Scientific Sessions: O'Brien Centre for Science, UCD 13th-17th

Partners: Trinity College Dublin; National Museum of Ireland; National Botanic Gardens of Ireland

EPPC2018@ucd.ie



## 10TH EUROPEAN PALAEOBOTANY & PALYNOLOGY CONFERENCE, DUBLIN 2018.





## Quaternary Research in Ireland and the Irish Quaternary Association (IQUA)

Ireland's famously beautiful landscape contains a wealth of evidence for a dynamic Quaternary history. With dramatic glacial landforms, varied coastlines, extensive peatlands, innumerable lakes, and a rich archaeological heritage, the island has long fascinated Quaternary scientists. Indeed, Ireland has a history of Quaternary research dating back to the nineteenth century, including famous visits by Agassiz in 1840 and Carvill Lewis in 1885, and its diverse Quaternary archives continue to provide fruitful avenues for research.

*Life on the Edge*

### XX INQUA Congress 2019

25th – 31st July 2019  
Dublin, Ireland



Meet in  
**Ireland**  
Connect with Excellence

[www.inqua2019.org](http://www.inqua2019.org)

The Royal Irish Academy (RIA) 'Committee for Quaternary Research in Ireland' was established in 1934, providing a key stimulus for the study of Ireland's Quaternary history. In the 1970s, the Irish Quaternary Association (IQUA) was founded with a view to co-ordinating and energising all aspects of Quaternary research in Ireland and passing on existing expertise through conferences and especially field excursions. Notable contributors over the lifetime of the Association include Frank Mitchell, Francis Synge, Alan Smith, Bill Watts, Marshall McCabe and Willie Warren. The INQUA Congress held in Birmingham in 1977, which included excursions to Ireland led by Watts and Synge, gave a further impetus to Quaternary studies in Ireland. Frank Mitchell, as President of INQUA for the intercongress period 1969–1973, and later through his classic book, *Reading the Irish Landscape*, also greatly helped in highlighting the multi-dimensional character of the Quaternary record in Ireland.

Currently, IQUA is a thriving organisation with well over 100 members, and disseminates information about its activities through its webpage ([www.inqua.ie](http://www.inqua.ie)) and email list. The link between the RIA and INQUA continues to be positively fostered by active Quaternary scientists represented via the RIA's Geoscience Committee (formerly the National Committee for Geology), and by funding IQUA's national delegates to attend INQUA congresses. Furthermore, the recipient of IQUA's inaugural Frank Mitchell Award for Distinguished Service to Quaternary Research and Teaching, Pete Coxon, has served as both IQUA President (2008–2012) and as Secretary-General of INQUA (2003–2011), thus strengthening the link between IQUA and INQUA.

**The following links will give you a sample of the Congress facilities and Ireland's Quaternary science community and landscape:**

The Irish Quaternary Association (IQUA): <http://www.inqua.ie>

IQUA Field Excursions: <http://www.inqua.ie/publications.html>

The Convention Centre Dublin (the Congress Venue): <http://www.theccdc.ie>

Wild Atlantic Way (Ireland's scenery): <http://www.wildatlanticway.com/home/>

Sign up for Congress Newsletters: [www.inqua2019.org](http://www.inqua2019.org)

