

# PALYNOS

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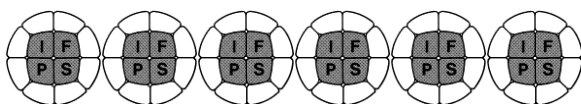
Volume 42 (2) – 2019

NEWSLETTER OF THE INTERNATIONAL FEDERATION OF PALYNOLOGICAL SOCIETIES

<http://palyno-ifps.com/>

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## **IFPS BUSINESS**

### **XV IPC / XI IOPC, Prague, Czech Republic, 12-19th September 2020 – Information on Symposia & Sessions, and Call for Abstracts**

The abstract submission and online registration for our largest palynological

conference was launched end of January 2020 (<https://www.prague2020.cz/index.php>).

Abstract submission and Early Registration are due for March 31, 2020. Thereafter, regular Registration and Accommodation will be possible until June 30, 2020. Payment before June 30, 2020 will also allow publication of your submitted and accepted abstract, no publication will be possible thereafter (see the second conference circular for details:

[https://www.prague2020.cz/2ndCircular\\_IPC-IOPC.pdf](https://www.prague2020.cz/2ndCircular_IPC-IOPC.pdf)).

Late and Onsite Registration (without abstract publication) will be possible until September 19, 2020.

Ten field trips (one pre-, seven mid-, and two post-conference field trips) on very diverse subjects are also planned by the conference organizers and local/invited guides. Field trips will visit important palynological and palaeobotanical sites in the Czech Republic and adjacent areas, such as Germany, please see the conference website or second circular for details.



All conference participants can have **ONLY** one oral presentation **OR** one poster presentation as presenting author!

The list of Symposia, workshops & colloquia sounds very exciting, so please do foresee a participation and presentation at this major palynological event of the year 2020!

### **Symposia**

A01 Advances in Devonian palaeobotany – a symposium in honor of Phillipe Gerrienne.

A02 Cryptosporophytes: a new group of early land Plants.

A03 Permian plant succession and the global climate changes.

A04 Glimpses into the evolution of Fungi

A05 Late Palaeozoic continental ecosystems of Gondwana

A06 Palaeozoic palaeobotany: taxonomy, diversity and palaeoecology

B01 Permo-Carboniferous peat-forming tropical forests buried in situ by volcanic ash in the light of palaeobotanical and palynological research; results from the Czech Republic and China

B02 Palaeozoic palynology: a CIMP and Aramco-CIMP Special Project symposium dedicated to the memory of Professor Bernard Owens

C01 The innovations of plants in the Mesozoic

C02 Amber palaeobotany: What did the forests for all the fossil invertebrates look like?

C03 Palaeobotany and Palynology of the Late Cretaceous–Paleocene Deccan Intertrappean Beds of Central India

C04 Mesozoic plants: taxonomy, diversity, and palaeoecology

C05 Evolution of Neotropical ecosystems

C06 The Legacy of Plant diversity and environmental background across the critical intervals of the Mesozoic

C07 Vegetation history and evolution of terrestrial ecosystems in Southern Africa, from early land plants to modern vegetation

C08 Mesozoic plant cuticles: implications for evolution and palaeoenvironment

D01 Honoring palaeopalynologist Reinhard Zetter

D02 Mesozoic and Cenozoic palynology, mesofossil and palynofacies analysis: a tribute to the memory of David J. Batten

D03 Reproductive organs of fossil plants and their in-situ spores and pollen

H01 Quantitative reconstruction of Holocene land-use and land-cover change: advances and applications

H02 Forward to the past – research development on quantifying land cover change and its implication for the biosphere

H03 Application of palynological and palaeoecological information in conservation and restoration

H04 Back to the Future? Subboreal vegetation and climate as a reference for future environmental dynamics

H05 Changing Island Ecosystems

H06 Palynology for Sustainability: the Long-Term Perspective of Human Impact on Landscape for Environmental Change (LoTEC)

H07 Long-term tropical forest dynamics; critical knowledge in a changing world

H08 Mountain Palaeoecology on the move: the future of mountain ecosystems as seen through palaeoecology

H09 Big events – Big Impacts. Success and adaptation strategies of ancient populations to climate changes

M01 Modern pollen-vegetation studies for past land-cover reconstructions and calibration of the fossil pollen record

M02 Exploring trends in surface pollen deposition in response to biotic and abiotic drivers

M03 Recent advances in dinoflagellates and their cysts as environmental tracers

M04 Extra microfossils in pollen slides: from environmental indicators to biotic interactions

M05 Forensic Palynology

M06 Pollen wall morphology, development, and developmental mechanisms

M07 Pollen record from cave environments:  
The dark side of palynology

M08 Fire as an ecological and evolutionary  
driver of terrestrial biota

M09 Molecular proxies in palaeoecology:  
recent developments and their implications  
for understanding past environments and  
ecosystems

M10 Biopolymers in palynological and  
palaeobotanical research (session co-  
organised by the Palynology Specialist  
Groups of the Linnean Society and the  
Micropalaeontological Society)

M11 Applied palynology: methodological  
innovations

M12 Global forest dynamics: from pollen-  
based past reconstruction to future prediction

Q01 A global view on Early Pleistocene  
Climate and Vegetation dynamics

Q02 Exploring ecological concepts in the  
Quaternary

Q03 Marine pollen records for direct land-sea  
correlation of Earth system dynamics

Q04 Glacial-interglacial cycles as natural  
experiments

Q05 Impact of aridity on vegetation: past and  
present evidence reveals our future

T01 The evolution of plant diversity under  
palaeoenvironmental changes in the Qinghai-  
Tibetan Plateau Region

T02 Cenozoic continental climate and  
vegetation patterns on both sides of the North  
Pacific – an open NECLIME symposium

Z01 IAWA Fossil Wood Symposium IPC-  
IOPC 2020

Z02 Palaeobotany at the forefront of gender  
equality

Z03 Phylogenetic Palaeobotany

Z04 IAPT Early Career Investigator  
Symposium: New fossils, New Methods,  
New Ideas

Z05 Palynology and palaeobotany in the  
digital era

## **Workshops & colloquium**

W01 Navigating Nomenclature – Publishing,  
typifying and naming fossil-taxa (The  
International Code of Nomenclature for algae,  
fungi, and plants)

W02 Estimating pollen productivity with R  
tools/discover package

W03 Registration of Plant Fossil Names

W04 Artistic session

NC Celebration of 200 Years of Palaeobotany  
– Botanical Nomenclature in Palaeobotany  
and Palaeopalynology

## **IFPS STUDENT FUNDING FOR THE XV IPC, Prague, Czech Republic, 12-19th September 2020**

The International Federation of Palynological  
Societies (IFPS) has agreed to support student  
participation at the upcoming IPC-XV to be  
held in Prague, Czech Republic. Funding will  
be awarded to Master and Ph.D. students  
presenting palynological results at IPC-XV  
(oral or poster) and which are members of  
one of the IFPS affiliated societies. The IFPS  
board will review and evaluate all  
applications according to the quality of the  
submitted abstracts and the scientific merits  
of the candidates. Thus, IFPS intends to  
sponsor 20 students with a 400 Euro  
contribution towards the cost of attending the  
conference. Students wishing to apply should  
e-mail (preferably as a pdf) a

- one-page covering letter,
- a Short-CV (maximum one page), and
- the submitted talk/poster abstract

to James B. Riding (IFPS Secretary-  
Treasurer: [jbri@bgs.ac.uk](mailto:jbri@bgs.ac.uk)).

The covering letter should briefly explain  
which IFPS affiliated organisation the student  
is a current member of, other sources of  
funding for conference attendance (secured or  
being sought), and why the additional funding  
is necessary. Personal presence at the IPC-

XIV is a prerequisite, as awards will be presented at the conference only. Applications should arrive before **April 30, 2020**.

## **NOTICE OF ORDINARY PLENARY IFPS SESSIONS at the XV IPC, Prague, Czech Republic**

At the upcoming IPC XV in Prague, Czech Republic, we will hold two such meetings:

(i) the final meeting of the outgoing IFPS council of IFPS board of Officers and all Councillors of IFPS affiliated societies (2016–2020) will be chaired by the outgoing IFPS president Jean Nicolas Haas (University of Innsbruck), and will immediately be followed by a plenary session at a meeting of the General Assembly (to be held at the opening ceremony);

(ii) the first meeting of the incoming IFPS council (2020–2024) will be chaired by the incoming new president (to be elected by the IFPS board of Officers and all Councillors of IFPS affiliated societies; see also announcement below). This incoming council meeting will immediately be followed by a plenary session at a meeting of the General Assembly (to be held at the closing ceremony), where the new IFPS president will give a short oral talk, and where the location of the 2024 International Palynological Conference (IPC XVI) will be announced.

## **NOTICE OF ELECTION FOR THE NEXT IFPS PRESIDENT**

In accordance with Article 9 of our constitution, the next president should be elected by the retiring IFPS Council (consisting of the IFPS board of Officers and all Councillors) at least three months before the expiry of that

Council's term of office. The presidential ballot will contain the names of members of council who agree in advance to stand for election (except the incumbent president). The ballot may in addition contain the name of any member-at-large who is nominated by another member, provided that such nomination is received in writing by the Secretary-Treasurer at least two weeks prior to the deadline stated for the distribution of the ballots, and is accompanied by evidence that the nominee is willing to accept office if elected. The ballot will take place before the expiry of the term of office of the incumbent council. Thus, we invite nominations for the next IFPS President, which should be sent to the Secretary-Treasurer Jim Riding ([jbri@bgs.ac.uk](mailto:jbri@bgs.ac.uk)) by March 31<sup>st</sup>, 2020, and the ballot will be distributed to the IFPS board of officers and Councillors in April 2020.

## **VENUE FOR IPC XVI (2024)**

Although the excitement builds for IPC-XV/IOPC-XI (2020) in Prague, we must begin thinking about the venue for IPC XVI (2024). The Council of the IFPS (consisting of the IFPS board of Officers and all Councillors) will vote for the next venue location at the IPC/IOPC in Prague in September 2020, based on invitations submitted by the affiliated societies of the IFPS.

Keeping our inoffical rule of changing continents in regular terms, the next IPC planned for 2024 could be organized by our North/Central American colleagues.

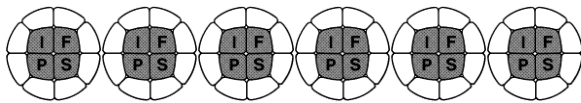
We therefore would like to ask for detailed proposals for the IPC XVI (2024), if possible as a joint meeting together with the International Organization for Palaeobotany (IOP).

If you are interested in hosting the 2024 IPC meeting, please submit your proposal to the President of IFPS Jean Nicolas Haas ([Jean-Nicolas.Haas@uibk.ac.at](mailto:Jean-Nicolas.Haas@uibk.ac.at)) until **May 31<sup>st</sup>, 2020**.

Thereafter, these Conference Proposals for 2024 will be published in the next PALYNOS newsletter (summer 2020), and are supposed to be presented orally and in details by the planned organizers during the IFPS Council meeting at the IPC/IOPC in Prague in September 2020. The bids will thereafter be discussed and voted for at the Incoming IFPS-Council Meeting in Prague.

In addition, the International Organization for Palaeobotany (IOP) will discuss their preferences for the venue in 2024 at their own Council Meeting.

After this, both the councils of IFPS and IOP will then get together at a joint IFPS/IOP meeting and decide which bid will get the organisation of the 2024 conference, in case a joint conference is voted for. The location chosen will thereafter be announced at the General Assembly in Prague (to be held at the closing ceremony).



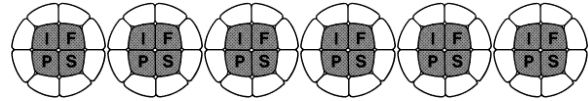
## **PALYNOS NEWSLETTER AMENDUM**

Our palynological community readers have spotted two mistakes in the last PALYNOS issue (Vol 42: 1):

- 1) The authorship of the obituaries on pages 14-16 were wrong and have been amended in the PDF version of the newsletter uploaded in the website (<https://palyno-ifps.com/palynos>).
- 2) The contact information provided for the councillor of the Palynological Society of Japan (PSJ) was wrong, and it has been amended in the affiliation page of this current issue (page 9).

My apologies for these mistakes and thank you very much to the readers informing me.

*Encarni Montoya, PALYNOS editor  
email: encarnacionmontoya(at)gmail.com*



## **CONFERENCE REPORTS**

### **PALYNOLOGY SPECIALIST GROUP MEETING, LINNEAN SOCIETY, LONDON, THURSDAY 24 OCTOBER 2019**

Dr Barry Lomax (Nottingham, UK) organized and chaired this gathering of 25 palynologists from Austria, China, Germany, UK and USA at Burlington House in London's Piccadilly.

Martha Gibson (Sheffield, UK) has extracted pollen of Late Permian gymnosperms from Zechstein rock salt in NE England. Argillaceous halites here yield variable quantities and qualities of palynomorphs and cuticle fragments, with bisaccate pollen the most common. Martha has also experimented on extant *Pinus* pollen to show how hypersalinity and high temperatures cause darkening of its sporopollenin.

Matthew Kent (Nottingham, UK) showed how machine learning can assist in the chemotaxonomy of spores and pollen using data from focal plane array FTIR. Matt' explained that differences between FTIR instrumentation can result in variation of identification from below 30% to over 80%. However, he and his colleagues aim to contribute to a harmonized database of pollen chemistries of worldwide application for palynologists and biostratigraphers.

Feng Liu (Nanjing, China) described vegetation dynamics across the Permian/Triassic Boundary (PTB) in southern

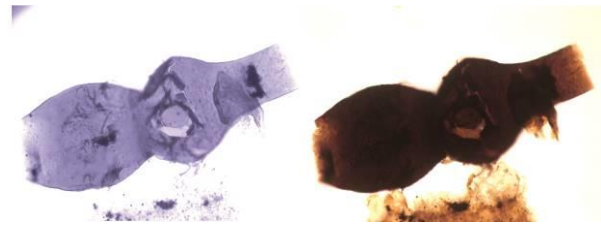
Tibet. Using Principal Components Analysis (PCA) of palynomorphs data from both onshore and offshore sections, he recognizes deforestation around the PTB, followed by pioneer lycopsid communities. Subsequent questions concerned the distinction of taphonomic and ecological changes, and whether there may have been a break in continuous sedimentation in this part of Gondwana around the PTB.

Carrie Walker (Milton Keynes, UK) has examined spores from 22 families of extant leptosporangiate ferns to find how their morphological diversity compares to their taxonomy. PCA of shape, aperture and exine ornamentation has so far yielded no distinct phylogenetic groupings amongst these ferns, but Carrie is now progressing to examine spores of Carboniferous ferns to find if taxonomic diversity was also decoupled from morphological disparity in the Palaeozoic. Photomicrographs of some of extant spores are shown in Figure 1.



**Figure 1.** Left: *Anemia ferruginea*. Right: *A. angolensis*.

Paul Strother (Boston, USA) makes use of near IR to extend the pioneering work of Walton and Leclercq to Palaeozoic cryptospores and chitinozoans. IR microscopy here reveals otherwise obscure sutures and some details of chitinozoans without the need for destructive oxidation (Figure 2). Paul detailed some simple adjustments to visible-light microscopes and cameras to facilitate taking near IR images. Paul also spoke fondly of his time working with Cedric Shute and of their time together in The Anglesea Arms.

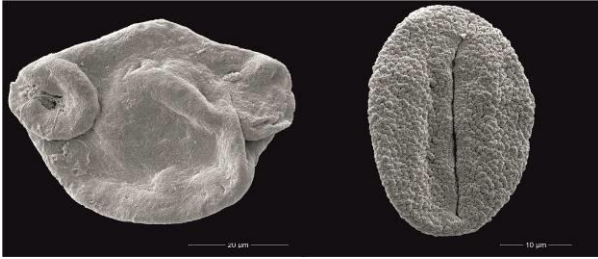


**Figure 2.** Photographic images of IR (top) and light micrographs (bottom) of palynomorphs.

John Marshall (Southampton, UK) described the spores of Mid- and Late Devonian coals from Spitzbergen and Bear Island to establish which plant groups contributed to palaeoequatorial wetlands of that age. Whilst spores of *Archaeopteris* were abundant at this time, palynology of the vitrinite-rich deposits shows the lycopsids *Protolepidodendropsis* and *Cyclostigma* were dominant in forming these humic coals. There seems to have been a Tournaisian hiatus before coal formation resumed in the palaeotropics in Visean times.

Alexander Ball (Sheffield, UK) spoke about the adaptive radiation of land plants around the Siluro-Devonian boundary, with special reference to spores from the Anglo-Welsh basin. He is examining fusainized sporangia to shed further light on the disparity between the diverse spore dispersal and less varied mesofossil record here. Alexander also aims to clarify the biostratigraphy of this basin, including the *Apiculiretusispora* sp. E and *tripapillatus-spicula* biozones.

Christa Hofmann (Vienna, Austria) emphasized the value of SEM in palynology with some examples of its application to the Middle Miocene flora of Enntrischenbrunn, Germany. Here, Marly sediments (perhaps from an oxbow lake) yield a diverse leaf flora supplemented by dispersed pollen. SEM has helped greatly to separate various taxa of *Ulmaceae*, *Oleaceae* and *Sapotaceae*; African connections outweigh Asiatic affinities in this flora. SEM images of some of Christa's exquisite pollen are shown in figure 3.

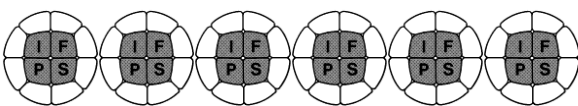


**Figure 3.** Left: Onagraceae *Ludwigia*. Right: *Rehderodendron*.

Philip Jardine (Muenster, Germany) discussed the chemical durability of sporopollenin in the fossil record. FTIR examination of certain extant pollen shows 98% chemotaxonomic classification success for grasses. By ensuring comparable sample processing routines, he is confident that chemical data from extant and Quaternary pollen will be directly integrated.

The tea/coffee breaks and concluding wine reception allowed further discussion of the diverse and interesting topics covered in this meeting. Barry Lomax is to be thanked and congratulated on the efficient running of this enjoyable meeting. We look forward to an equally successful Palynology Specialist Group Meeting at Burlington House in autumn 2020.

*Hugh Pearson,*  
*EDF, Sizewell, UK*  
*email: hugh.pearson(at)edf-energy.com*



## FUTURE MEETINGS

### 2020

#### **2020 53<sup>RD</sup> AASP ANNUAL MEETING, BATON ROUGE, USA, MAY 26-30, 2020**

The 53rd annual meeting of the AASP – The Palynological Society will be held at Louisiana State University (LSU) in Baton Rouge, Louisiana (United States) between

May 26th to May 30th 2020. The meeting will be convened by Sophie Warny of the Department of Geology and Geophysics and by Sibel Bargu Ates and Kam-Biu Liu of the College of the Coast and Environment.

Registration is already open and there are some funds available for students (Travel Grant: deadline 15<sup>th</sup> February; Student Research Grant: deadline 31<sup>st</sup> March).

Further information can be found in the following link: <https://palynology.org/53rd-annual-meeting-aasp-the-palynological-society-baton-rouge-louisiana-usa-may-26th-30th-2020/>

#### **2020 7TH EUROPEAN SYMPOSIUM ON AEROBIOLOGY**

This meeting will take place in Córdoba, Spain, from June 22–26, 2020. More information available at:

<http://www.esacordoba2020.com/>

#### **2020 LINNEAN SOCIETY PALAEOBOTANY AND PALYNOLOGY SPECIALIST GROUP MEETING**

This meeting will take place at Burlington House, London (GB) in autumn 2020. More information in due times.

### 2021

#### **2021 AASP ANNUAL MEETING 2021**

The AASP Annual Meeting 2021 will take place in Manizales, Colombia, probably end August/beginning of September.

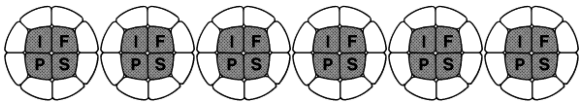
#### **2021 MEDPALYNO 2021**

The MedPalyno conference will take place at Paestum, Italy, as a joint meeting of APLF, APLE, and GPPSBI. More information in due times.

### 2022

#### **2022 11TH EUROPEAN PALAEOBOTANY & PALYNOLOGY CONFERENCE**

The 11<sup>th</sup> EPPC conference will take place in Sweden. More information in due times.



## **NEW WEB-PAGES OF IFPS AFFILIATED SOCIETIES**

**THE “ASOCIACIÓN DE PALINÓLOGOS  
DE LENGUA ESPAÑOLA (APLE)” HAS  
A NEW WEB-PAGE AT:**

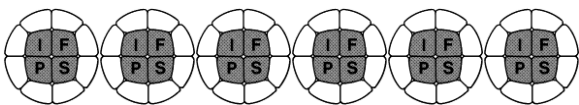
**[HTTPS://APLE.CSIC.ES/](https://aple.csic.es/)**

**THE “ASSOCIATION DES  
PALYNOLOGUES DE LANGUE  
FRANÇAISE (APLF)” HAS A NEW WEB-  
PAGE AT:**

**[HTTPS://ASSOAPLF.WIXSITE.COM/WEB  
SITE](https://assoaplf.wixsite.com/web-site)**

**THE “GRUPPO DI PALINOLOGIA  
DELLA SOCIETÀ BOTANICA ITALIANA  
(GPSBI) HAS A NEW WEB-PAGE AT:**

**[HTTP://WWW.SOCIETABOTANICAITALI  
ANA.IT/GRUPPI/GRUPPO-  
PALINOLOGIA-E-PALEOBOTANICA-  
GPP-SBI/21](http://www.societabotanicaitaliana.it/gruppi/gruppo-palino-logia-e-paleobotanica-gpp-sbi/21)**





## CURRENT IFPS AFFILIATED SOCIETIES AND COUNCILLORS

The current list of the IFPS officers and IFPS councillors is provided below. The IFPS president (Jean Nicloas Haas), IFPS secretary-treasurer (James B. Riding), IFPS editor of *PALYNOS* (Encarni Montoya), and the IFPS Web-Master (vacant) should be informed of any errors or necessary changes. Please inform the IFPS Officers of possible website or email address changes.

IFPS Officers	Affiliation	Email
IFPS President <b>Jean Nicolas Haas</b>	University of Innsbruck. Austria	<a href="mailto:Jean-Nicolas.Haas@uibk.ac.at">Jean-Nicolas.Haas@uibk.ac.at</a>
IFPS Past President <b>Charles Wellman</b>	University of Sheffield, England	<a href="mailto:C.Wellman@sheffield.ac.uk">C.Wellman@sheffield.ac.uk</a>
IFPS Secretary-Treasurer <b>James B. Riding</b>	British Geological Survey, UK	<a href="mailto:jbri@bgs.ac.uk">jbri@bgs.ac.uk</a>
IFPS Editor of <i>PALYNOS</i> <b>Encarni Montoya</b>	Institute of Earth Sciences "Jaume Almera" (CSIC), Spain	<a href="mailto:encarnacionmontoya@gmail.com">encarnacionmontoya@gmail.com</a>
IFPS Web-Master <b>Vacant / IFPS board of officers</b>		
IFPS affiliated Societies	Acronym & Website	Councillors
American Association of Stratigraphic Palynologists – The Palynological Society	AASP – TPS <a href="http://www.palynology.org">http://www.palynology.org</a>	<a href="#">Fabienne Marret-Davies</a>
Arbeitskreis für Paläobotanik und Palynologie	APP <a href="http://www.palges.de/arbeitskreise/ak-palaeobotanik-palynologie.html">http://www.palges.de/arbeitskreise/ak-palaeobotanik-palynologie.html</a>	<a href="#">Martina Stebich</a>
Arbeitskreis für Vegetationsgeschichte der Reinhold-Tüxen-Gesellschaft	AVRTG <a href="http://www.reinhold-tuexen-gesellschaft.de/">http://www.reinhold-tuexen-gesellschaft.de/</a>	<a href="#">Hermann Behling</a>
Asociación Latinoamericana de Paleobotánica y Palinología	ALPP <a href="http://www.ufrgs.br/alpp">http://www.ufrgs.br/alpp</a>	<a href="#">Mercedes di Pasquo</a>
Asociación de Palinólogos de Lengua Española	APLE <a href="https://aple.csic.es/">https://aple.csic.es/</a>	<a href="#">Pilar S. Testillano</a>
Association des Palynologues de Langue Française	APLF <a href="https://assoaplf.wixsite.com/website">https://assoaplf.wixsite.com/website</a>	<a href="#">Marie-Pierre Ledru</a>
Canadian Association of Palynologists	CAP <a href="https://capap.wordpress.com/">https://capap.wordpress.com/</a>	<a href="#">Francine McCarthy</a>
Collegium Palynologicum Scandinavicum	CPS <a href="http://www.palynology.info">www.palynology.info</a>	<a href="#">Heikki Seppä</a>
Commission Internationale de Microflore du Paléozoïque	CIMP <a href="http://cimp.weebly.com/">http://cimp.weebly.com/</a>	<a href="#">Anthony Butcher</a>
Gruppo di Palinologia della Società Botanica Italiana	GPSBI <a href="http://www.societabotanicaitaliana.it/gruppi/gruppo-palinologia-e-paleobotanica-gpp-sbi/21">http://www.societabotanicaitaliana.it/gruppi/gruppo-palinologia-e-paleobotanica-gpp-sbi/21</a>	<a href="#">Laura Sadori</a>
International Association for Aerobiology	IAA <a href="https://sites.google.com/site/aerobiologyinternational/">https://sites.google.com/site/aerobiologyinternational/</a>	<a href="#">Dorota Myszkowska</a>
Linnean Society Palynology Specialist Group	LSPSG <a href="http://www.linnean.org/">http://www.linnean.org/</a>	<a href="#">Barry Lomax</a>
Organisation of Czech and Slovak Palynologists	OCSP <a href="http://www.ocsp.eu/">http://www.ocsp.eu/</a>	<a href="#">Marianna Kováčová</a>
Palynological Association of Nigeria	PAN <a href="https://www.facebook.com/Palynological-Association-of-Nigeria-168093586579093/">https://www.facebook.com/Palynological-Association-of-Nigeria-168093586579093/</a>	<a href="#">Emuobosa Orijemie</a>
Palynological Society of China	PSC <a href="http://www.chinapsc.cn/palynology/en/index.asp">http://www.chinapsc.cn/palynology/en/index.asp</a>	<a href="#">Wei-Ming Wang</a>
Palynological Society of Japan	PSJ <a href="http://www.psj3.org/">http://www.psj3.org/</a>	<a href="#">Hikaru Takahara</a>
Palynological Society of Poland	PSP	<a href="#">Milena Obremaska</a>
Palynologische Kring (The Netherlands)	PK <a href="http://www.palynologischeskring.nl">http://www.palynologischeskring.nl</a>	<a href="#">Timme Donders</a>
Palynologists and Plant Micropalaeontologists of Belgium	PPMB	<a href="#">Philippe Steemans</a>
Russian Palynological Commission	RPC	<a href="#">Elena Novenko</a>
Society for the Promotion of Palynological Research in Austria	AUTPAL <a href="http://www.autpal.at">http://www.autpal.at</a>	<i>(vacant)</i>
The Micropalaeontological Society Palynology Group	TMS <a href="http://www.tmsoc.org/paly.htm">http://www.tmsoc.org/paly.htm</a>	<a href="#">Manuel Vieira</a>
The Palaeobotanical Society India	PBS <a href="http://palaeobotanicalsociety.org">http://palaeobotanicalsociety.org</a>	<a href="#">Rama S. Singh</a>
Turkish Committee for Palynology	TCP	<a href="#">Zühtü Bati</a>
<b>Affiliation/Membership of the IFPS at the:</b>		
<i>International Union of Geological Societies</i>	<i>IUGS</i>	<a href="#">Lucy Edwards</a>
<i>International Union of Biological Societies</i>	<i>IUBS</i>	<a href="#">Jean Nicolas Haas</a> <i>(ad interim)</i>
<b>Former Societies of the IFPS:</b>		
International Association for African Palynology	AIPA/IAAP	
Palynological and Palaeobotanical Association of Australia	PPAA	
Philippine Palynological Society	PPS	

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We welcome news items, reports on society activities, reviews etc. and members should forward these to the newsletter editor:

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