

PALYNOS

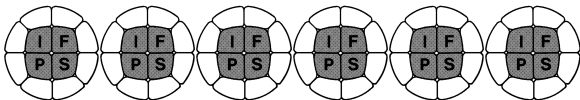
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NEWSLETTER OF THE INTERNATIONAL FEDERATION OF PALYNOLOGICAL SOCIETIES

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IFPS BUSINESS

THE XIII INTERNATIONAL PALYNOLOGICAL CONGRESS (IPC) AND IX IOPC IN TOKYO, JAPAN, AUGUST 23-30, 2012

We are very pleased to inform you that the IPC XIII/IOPC IX 2012 will be held at Chuo University, Tokyo in August 23 – 30 as previously planned.



The organizing Committee made following announcement, June 20th, 2011. Also, here, we like to give you some information including the updates on the schedules and so on.

1. A call for pre-proposals of symposia went on early this year, but only a limited number of applications have arrived by the deadline on 31 May 2011. Now we invite pre-proposals again with the deadline until 31 August 2011. In addition we are preparing for a call for applications of Symposium Proposals, which will start in July and accept the applications until 31 October 2011.

2. Tokyo is the center of business and politics of Japan, and the living and traveling expense is relatively high; however, Tokyo is also a place for a large number of college students and international and domestic visitors. Accordingly a wide range of services and facilities are available and affordable for international visitors and conference participants. Please take a look at JNTO website (<http://www.jnto.go.jp/eng/>) for further practical information for the trip to Tokyo and its vicinity. Additional information materials will be available in the second circular that will appear in our web site (<http://wwwsoc.nii.ac.jp/psj3/en/index.htm>). We would like to appreciate for your further supports for a successful meeting at Tokyo in August 2012. See many of you at Tokyo soon! Truly yours,
Hikaru Takahara (Secretary General of the joint IPC/IOPC meeting in Japan) & Shinya Sugita (IFPS council of the Palynological Society of Japan, vice-president of IFPS).

Announcement of the IPC XIII/IOPC IX meeting at Tokyo in August 2012

The Organizing Committee of the IPC XIII/IOPC IX 2012 meeting is pleased to announce that the meeting will be held in Tokyo in August 23 – 30 as previously planned. As many of you already know, many parts of northern Japan had suffered major damages by the March 11 earthquake and tsunami this year. Those events and related accidents at the Fukushima nuclear power-plants are still affecting many lives in the region. Although the recovery from the disasters has been slow and hard in the region, the progress is steady and sure-footed by many volunteers and local people backed by various governmental agencies. As widely reported the accidents at the Fukushima nuclear plants have affected the electric supplies for many business and industrial activities in northeastern Japan. Fortunately, the effects on the lives of more than 20 million people in Tokyo and its vicinity are very limited, and the radiation level in Tokyo is far below the safety thresholds (web site1 and 2 (see below)).

Since right after the disasters the Organizing Committee has contacted various organizations and people related to the IFPS and IOP about possible options and contingency plans for a successful and safe meeting next year. All things considered the Organizing Committee has come to the conclusion that we will be able to hold safely the IPC/IOP meeting at the Chuo University in Tokyo next summer. Because of the unexpected events our preparations for the conference are slightly behind the schedule. New information materials will be available in the second circular that will appear in our web site; those include the updates on the plans and schedules of events during the conference, pre- and post-conference excursions, registration and abstract deadlines, financial supports and assistance for international participants, and our contingency plans in case of unexpected situations, and others. Over the last three months we have received warm supports and encouragements from many members of the IFPS and IOP. We are grateful to all of you and appreciate further supports for a successful meeting at Tokyo in August 2012. See many of you at Tokyo soon!

Related further information at:

<http://www.mext.go.jp/english/incident/1303986.htm>
<http://ftp.jaist.ac.jp/pub/emergency/monitoring.tokyo-eiken.go.jp/monitoring/index-e.html>
<http://wwwsoc.nii.ac.jp/psj3/en/index.htm>

Truly yours,

Norio Sahashi, President of the Organizing Committee of the IPC XIII/IOPC IX 2012 (June 20th, 2011)

CALL FOR SYMPOSIA

We cordially invite proposals again for symposia for IPC XIII / IOPC IX 2012, the joint meeting of the 13th International Palynological Congress and 9th International Organization of Palaeobotany Conference to be held on August 23-30 2012 at Chuo University in Tokyo, Japan, as previously planned (http://wwwsoc.nii.ac.jp/psj3/ipc13japan/Announcement_June2010/index.htm).

A call for pre-proposals of symposia went on early this year, but only a limited number of applications have arrived. Now we invite pre-

proposals again with the deadline until 31 August 2011.

The theme of the IPC/IOPC 2012 is "Palynology and Palaeobotany in the Century of the Environment". Proposed symposia could come from various disciplines such as Palaeobotany, Palaeoecology, Palaeoclimatology, Biostratigraphy, Plant taxonomy, Plant morphology, Cell biology, Aerobiology, Allergology, Melissopalynology, Forensic palynology (etc.). We also welcome symposium proposals including leading-edge techniques.

If you are interested in organizing a symposium, please prepare a "pre-proposal" that briefly describes the symposium in English. This pre-proposal should include the followings:

1. A descriptive title;
2. Key-words of Disciplines;
3. Organizer(s);
4. Contact email address;
5. One or two paragraphs explaining the purpose of the symposium;
6. A tentative list of speakers (unconfirmed), their institutions or affiliations, and preliminary presentation titles.

We will accept only one symposium proposal from each individual. Please send the pre-proposal to the program committee (program.ipc.iopc.2012@gmail.com), and use the subject heading: IPC/IOPC 2012 Symposium proposal.

The program committee will review the pre-proposals and may make suggestion in view of organization of whole symposia. For example, the committee may request merging of proposed symposia with similar topics. We also welcome workshop proposals. More information about the IPC/IOPC 2012 is available at

http://wwwsoc.nii.ac.jp/psj3/ipc13japan/call_for_symposia/index.htm

We are preparing for a call for applications of Symposium Proposals, which will start in July. We would like ask you the application by two steps:

1st step: pre-proposal (dead line 31 August, 2011),

2nd step: proposal (dead line 31 October 2011).

We look very much forward receiving your contributions.

The Organizing & Program committee
IPC XIII / IOPC IX 2012

program.ipc.iopc.2012@gmail.com

WORLD DIRECTORY OF PALYNOLOGISTS

Please note that the 4th edition of this invaluable directory was published as a pdf by Owen K. Davis in 2008 and that a new version of the WDP is planned for 2012. Please contact the editor of the WDP for any changes concerning the WDP as soon as possible, preferably until the end of 2011.

VENUE FOR IPC-14 (2016)

Although the excitement builds for IPC13/IOPC-IX (2012) in Tokyo, we must begin thinking about the venue IPC14 (2016). The location will be chosen by a vote at the General Assembly in Japan. We therefore publish this call for proposals for IPC14 (2016). A similar call has recently been published by the International Organization for Palaeobotany (IOPC) with whom we often share meetings or arrange for meetings to follow back-to-back in close vicinity. If you are interested in hosting the 2016 meeting please contact the President or Secretary-Treasurer of IPC/IFPS and commence discussions.

NOTICE OF ORDINARY PLENARY SESSIONS

Article 6 of our constitution requires that at least 12 months notice is given prior to an Ordinary Plenary Session. At the upcoming IPCXIII in Tokyo, Japan in August 2012 we

will hold two such meetings: (i) the final meeting of the outgoing council will be chaired by the outgoing president and immediately 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 council will be chaired by the incoming president and immediately followed by a plenary session at a meeting of the General Assembly to be held at the closing ceremony.

RECOMMENDED AMENDMENTS TO THE CONSTITUTION AND BY- LAWS

According to Article 17 AMENDMENTS of the IFPS constitution: “The Constitution may be amended only at a plenary session of the General Assembly. The text of any proposed amendment(s) shall be circulated to all members through the affiliated societies at least six months before the plenary session.”. The current Council proposes the following amendments to the current constitution to be voted on at the next General Assembly in August 2012 at the opening ceremony of IPC XIII in Tokyo, Japan. We recommend three amendments to the constitution.

The first involves expanding the officers of the society to include the Web Master. This seems a logical extension due to the increasing importance of our web site in communication.

The second involves allowing votes to take place via e-mail rather than solely by full postal votes. Again this seems a logical step since the advent of e-mail that makes communication easier, safer and less expensive.

The third involves formally recognising the role of the Web Master.

Recommended amendment 1

Article 8. Council

It currently reads:

“The council of the IFPS shall consist of Officers and Councillors. The officers shall be the President, the Past-President, the Secretary-Treasurer and the Newsletter Editor. There shall be one councillor from each affiliated society, or two from any society that has more than 200 palynological members. Three Vice-Presidents shall be elected from the councillors by the Council, in accordance with the provisions of Article 9.2. The normal term of office of members of the Council shall begin at the closing plenary session of an International Palynological Congress and end at the closing plenary session of the next IPC. If no plenary session is held within five years, new Officers and Councillors shall be selected according to the provisions of Articles 9, 11, 12 and 13. They shall assume office and their names shall be announced in the IFPS newsletter (PALYNOS) not more than five and one-half years after the beginning of the retiring Council’s term of office”.

We suggest that it is modified accordingly:-

“The council of the IFPS shall consist of Officers and Councillors. **The officers shall be the President, the Past-President, the Secretary-Treasurer, the Newsletter Editor and the Web Master.** There shall be one councillor from each affiliated society, or two from any society that has more than 200 palynological members. Three Vice-Presidents shall be elected from the councillors by the Council, in accordance with the provisions of Article 9.2. The normal term of office of members of the Council shall begin at the closing plenary session of an International Palynological Congress and end at the closing plenary session of the next IPC. If no plenary session is held within five years, new Officers and Councillors shall be selected according to the provisions of Articles 9, 11, 12 and 13. They shall assume office and their names shall be announced in the IFPS newsletter (PALYNOS) not more than five and one-half years after the beginning of the retiring Council’s term of office.”.

Recommended amendment 2

Article 9. ELECTIONS

We recommend that throughout paragraph 9.1 and 9.2 the term “postal ballot” is replaced by “e-mail/postal ballot”.

Recommended amendment 3

Article 14. DUTIES

We recommend renumbering Article 14.6 to 14.7. The new Article 14.6 to be inserted formalises the duties of the Web Master:

“14.6 The Web Master shall be responsible for production and maintenance of the IFPS website.”.

NOTICE OF ELECTION FOR THE NEXT PRESIDENT

In accordance with Article 9 of our constitution the next president should be elected by the retiring Council 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 ballots, and is accompanied by evidence that the nominee is willing to accept office if elected.

The ballot must take place at least eight months before the expiry of the term of office of the incumbent council. Thus the ballot will be distributed to Councillors on 30th November 2011.

MEETING REPORTS

“THE AMAZINGLY DIVERSE WORLD OF QUATERNARY PALYNOLOGY: A CELEBRATION OF THE CAREER OF JOCK MCANDREWS”, AASP-CAP-CPC JOINT MEETING SESSION, HALIFAX, NOVA SCOTIA, CANADA, SEPT. 29 – OCT. 1ST, 2010

At a board meeting of the Canadian Association of Palynologists (CAP) at the IPC in Bonn, it was agreed that the time had come to recognize the contributions of John H. (Jock) McAndrews to palynology. Given that AASP had decided to hold its annual general meeting in Nova Scotia in 2010, we organized a special session in Jock’s honour. Having taken the lead, I was very pleased to see the positive response to both my personal invitations to Jock’s former students & colleagues and to the general call for papers to the session entitled “*The Amazingly Diverse World of Quaternary Palynology: a Celebration of the Career of Jock McAndrews*”.

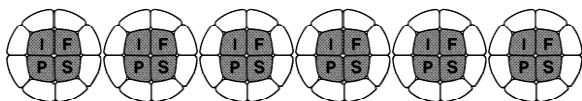


Jock McAndrews (centre) with some of his colleagues during the congress excursion near Halifax, Nova Scotia.
Photo courtesy of Jean Nicolas Haas

A very well-attended full-day session included presentations on topics ranging from geoarcheology (including a keynote talk by former graduate student Roger Byrne) and forensic palynology (Vaughn Bryant & colleagues) to various presentations on recent marine palynology. Many of Jock's former students, post-docs, and colleagues, including Kam-biu Liu, Zicheng Yu, Jean Nicolas Haas, Matt Peros, Charlie Turton, Calvin Chan, Rolf Matthewes, and David Scott presented papers, and several others, including Sarah Finkelstein and Gail Chmura were coauthors on student presentations. The day was capped by a wonderful dinner at a nearby Italian restaurant where Jock endured (and seemed to enjoy!) good-natured roasting as well as warm appreciation from the more than 20 guests in attendance.

It was a pleasure to organize and convene this long overdue tribute to a scientist who contributed much to palynology, not only in Canada, but around the world.

Report by Francine McCarthy, Earth Sciences, Brock University, St. Catharines, Ontario, Canada L2S 3A1 (fmccarthy@brocku.ca)



FUTURE MEETINGS

2011

2011 AASP Annual Conference, Southampton, UK, September 5-7, 2011

This AASP conference will immediately follow [DINO 9](#), which is to take place at the University of Liverpool 28 August-2 September. Pre- and post-meeting day-long fieldtrips are being planned to the Dorset Jurassic coast and the Isle of Wight. Registration will be handled by personnel at Southampton Univer-

sity. It is expected that registration will run about 100 £. For further details see www.southampton.ac.uk/aasp2011

2011 XIII All-Russian Palynological Conference: Problems of Modern Palynology (in memory of Elena D. Zaklinskaya & Lidiya V. Rovnina), Syktyvkar, capital of Komi Republic, Russia, September 5-8, 2011

The next XIII All-Russian Palynological Conference with foreign participation will be hosted by the Institute of Geology and Institute of Biology of the Komi Science Centre of the Ural Branch of the Russian Academy of Sciences. Conference theme will be on "Problems of modern palynology". The main purpose of the conference - a broad exchange of views on the most pressing and controversial issues of fundamental and applied problems of modern palynology, to present and discuss the latest results of palynological, paleobotanical integrated and interdisciplinary research, innovative teaching materials. The main directions of the conference:

1. Biology, morphology, systematics and taxonomy of spores and pollen. Palynology in phylogenetic studies.
2. Methodological issues: the new laboratory methods of palynology, the improvement of methods of interpreting the results of palynological investigations.
3. Applied palynology: aeropalynology, melissopalynology, archaeological palynology, forensic palynology, palynology as an indicator of the environment.
4. Cenozoic palynology: stratigraphy, paleogeography, depositional environment, climate and vegetation.
5. Mesozoic palynology: stratigraphy, paleogeography, depositional environment, climate and vegetation.
6. Palynology of the Paleozoic and Precambrian: stratigraphy, palaeogeography and depositional environment.
7. Algoflora. The use of diatom analysis and other algae in paleoecology, bioindication, biostratigraphy.
8. Palynology as a tool for a broad inter-regional correlation of marine and continental deposits genesis. The use of palynological data in the correlation of stratigraphic schemes.
9. Botany and paleobotany. The flora on the borders of the largest biosphere surgery on palynological data.

For more information see www.geo.komisc.ru/news/confer/2011/

2011 6th International Conference on Environmental Micropaleontology, Microbiology and Meiobenthology (EMMM), Moscow, Russia, September 19-22, 2011

This EMMM conference will take place at the A.A. Borissiak Paleontological Institute of the Russian Academy of Sciences in Moscow. Abstract submission by April 1st, 2011. More information is available at www.paleo.ru/EMMM-2011

2011 XXII APLF Symposium and XVIII Symposio de l'APLE, Meudon (Paris), France, September 19-23, 2011



The APLF and APLE Joint Symposium will take place in September 2011 in Meudon, France, around the subject of *Palynology and Diversities: tools, landscapes, methods, models, applications*. This Joint Meeting will take place at Meudon Bellevue, headquarters of the regional delegation 05 CNRS, 1 place Aristide Briand, in Meudon, and will be organized by Agnès Gauthier (UMR 8591 CNRS), Nathalie Combourieu Nebout (UMR 8212 CNRS), and Vincent Lebreton (UMR 7194 CNRS), as well as by D. Fernandez-Gonzales (Universities of Leon, Spain) and M.R. Rivas Carballo (University of Salamanca, Spain).



For more information see: <http://w3.laplf.univ-tlse2.fr/> or <http://aple.usal.es/home.htm>

2011 DINO9: 9th International Conference on Modern and Fossil Dinoflagellates, Liverpool, UK, August 28-Sept. 2nd 2011



This Ninth International Conference on Modern and Fossil Dinoflagellates will be held at the University of Liverpool, UK. The overarching aim of the conference is to bring together researchers working on present day dinoflagellates with those working on dinoflagellates in the fossil record to foster interdisciplinary understanding and collaboration. Four workshops are planned with themes to be decided. Organizing committee: Fabienne Marret (School of Environmental Sciences, Liverpool, UK) and Jane Lewis (School of Life Sciences, University of Westminster, UK). To contact us: dino9@liv.ac.uk. Further details are available from the following website: <http://pcwww.liv.ac.uk/~dino9/index.htm>

2012

2012 5th Workshop on Non-Pollen Palynomorphs in Amsterdam, The Netherlands, July 2-5, 2012

From 2-4 July 2012 Bas van Geel and colleagues will organize the Vth Workshop on Non-Pollen Palynomorphs (NPP) at the Institute for Biodiversity and Ecosystem Dynamics of the University of Amsterdam, The Netherlands. On July 5 we will organize an (optional) excursion for participants.

The systematic use of NPP (for example fungal and algal spores, cyanobacteria) in Quaternary lake and peat deposits started more than 40 years ago at our institute and nowadays more and more palynologists use the extra information that can be obtained

from NPP-analysis. Based on the number of participants during the first four workshops we will organize the Vth workshop for a maximum of 50 persons. If more than 50 colleagues respond with a pre-registration form then we will put these persons on a waiting list. Are you interested to participate? Then send a message to b.vangeel@uva.nl asking for the pre-registration form. Those who respond will be informed with further circulars. Final registration will be by paying the registration expenses (probably ca 50 Euro).

2012 34th International Geological Congress, Brisbane, Australia, August 5-10, 2012

The Second Circular of the 34th IGC 2012 being held in Brisbane, Australia, 5-10 August, has been released and is posted on the IGC website at: <http://www.34igc.org>. This is an important stage in the development of the 34th IGC. See the 2nd Circular for any IGC information including:

- A full list of symposia and topics to be presented at the congress
- The call for abstracts and the on-line abstract submission system.
- Super Early Bird registration fee offer - the lowest cost registration fee available for the 34th IGC.
- Exhibition Space (GeoSpace) Release.
- GeoHost Scheme involving the Training Workshop Program (TWP) and the Funded Delegate Program (FDP).
- A revised list of all pre and post Congress tour offerings.

To download a pdf of the 2nd Circular go to: http://www.34igc.org/FileLibrary/34igc_sec0nd_circular_v9.pdf .

SPECIAL NOTES: Super Early Bird registration is selling well, so get in soon. Premium exhibition spaces are also selling well. Requests for business meetings and professional development workshops/short courses should be submitted on-line by 1 August 2011 so that they can appear in the Third Circular which is due out in September.

2012 IPC XIII / IOPC IX Joint Meeting in Tokyo, Japan, Aug. 23-30, 2012

The joint meeting of the 13th International Palynological Congress (IPC-XIII 2012) and the 9th International Organisation of Palaeobotany Conference (IOPC-IX 2012) will be held in Chuo University, Tokyo, Japan, under the theme: **Palynology and Palaeobotany in the Century of the Environment**. Please see detailed information on page ##### of this issue of PALYNOS or at <http://wwwsoc.nii.ac.jp/psj3/IPC2012Web/web-content/index.html>



Sciadopitys verticillata, endemic to Japan (Photo Takeoka & Takahara)

2012 32nd International Geographical Congress, Cologne, Germany, August 26-30, 2012

The Theme *Down to Earth* will focus on Global Change and Globalisation, Society and Environment, Risks and Conflicts, Urbanisation and Demographic Change.

Please see details at <http://www.igc2012.org/>

2012 5th ESA-European Symposium on Aerobiology, Krakow, Poland, September 3-7, 2012

The 5th European Symposium on Aerobiology will be held in Krakow, Poland, September 3-7, 2012, and will be organised under the patronage of the Rector of Jagiellonian University.



Further Information at <http://www.5esa.cm-uj.krakow.pl/>



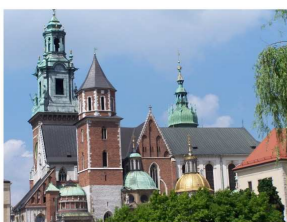
5th European Symposium on Aerobiology

Organized under auspices of the European Aerobiology Society

3 - 7 September 2012
Krakow, Poland

Symposium on aerobiological monitoring applied in: botany, meteorology, climatology, phenology, agriculture, melisopalinology, forensics, bioterrorism, environmental protection, heritage protection.

Practical application of pollen grains and fungal spores monitoring in allergology; diagnostics, immunotherapy and prophylaxis of pollen allergy.



Contact: 5esa@cm-uj.krakow.pl
 Conference venue: Conference Centre, Medical College, Krakow, Łazarza 12

www.5esa.cm-uj.krakow.pl



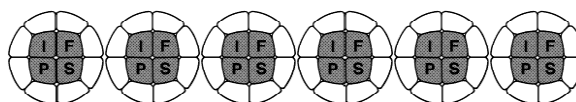
Contact person is Dorota Myszkowska (dmyszkow@cm-uj.krakow.pl). Symposium Secretary: 5esa@cm-uj.krakow.pl

2014

2014 9th European Palaeobotanical Palynological Conference (EPPC), Padua, Italy, Aug./Sept., 2014

The Italian group of Palaeobotany and Palynology is very glad to be able to invite all of you to Padua in the year 2014 for the next EPPC. Padua (Padova in Italian) is a picturesque, historic city in Northern Italy

(about 40 km west of Venice), with a dense network of arcaded streets, large communal “piazza” (squares) and many bridges crossing the various branches of the Bacchiglione. It hosts the almost 800 years-old Università di Padova, which is famous for having had Galileo Galilei among its lecturers as well as important palaeobotanists of the XIX century: Abramo Bartolommeo Massalongo and Barone Achille de Zigno. All scientific sessions will be held at the new Department of Geoscience, however also the famous Botanical Garden and the Museum of Palaeontology will be involved during this conference. Field-trips are planned in the fascinating landscapes of the Dolomites, Sardinia, Emilia-Romagna, Latium and Tuscany. The conference date is planned to be the end of August-beginning of September. In order to favor the attendance of young scientist it will be tried to use University residences. Hope to see you all in Padova! The EPPC 2014 organizing group Edoardo Martinetto (Präsident, Università di Torino), Guido Roghi (Vize-Präsident, CNR Padova), and Evelyn Kustatscher (Secretary, Naturmuseum Südtirol). For further information please contact Evelyn.Kustatscher@naturmuseum.it



IN MEMORIAM

Dr. Aleida Denisovna Archangelskaya (1927-2011)

One of the eminent palynologists of Former USSR and Russian Federation Doctor Aleida Denisovna Arkhangelskaya passed away on March, 23rd, 2011 just one month before her 84 anniversary. She was born on April, 22nd, 1927 in the city of Dnepropetrovsk (nowadays in Ukraine). Since 1951 she worked in the All-Russia Research Geological Oil Institute (VNIGNI) first as a Senior technician, then as Junior Researcher and later as Senior Researcher. Prior to the work in VNIGNI Aleida Denisovna has received a

speciality on applied art – art processing of marble and other rocks.



Aleida Denisovna Arkhangelskaya (1927-2011)

During work in VNIGNI she has received arts education, having ended at the Philological Faculty of the Lomonosov Moscow State University. Working in VNIGNI, A.D. Arkhangelskaya started to study the palynology of Devonian deposits. Working out the palynological characteristic of deposits of Praghian, Upper Emsian, Eifelian, Givetian and Frasnian stages of the Devonian of the East European Platform and their substantiation of stratigraphical subdivisions and correlations was one of her big contribution to palynology. For the first time Aleida Denisovna has established palynozones for Upper Emsian substage and Eifelian stage of this territory. She prosecuted subjects of spore morphology systematics and taxonomy, and allocated as well as described many new disperse spore species of the Devonian. She has spent studying and has given descriptions of disperse in megaspores from Middle Givetian deposits of the Russian plate. The basic direction of scientific activity of A.D. Arkhangelskaya was connected with working out of principles in detailed biostrati-

graphy and correlations of productive oil-gas Devonian thicknesses of Volgo-Ural provinces by palynological data. In 1991, after reorganization of VNIGNI and reductions of paleontological subjects, she left the Institute, but continued to conduct research work and has published a number of articles and abstracts. She was invited and engaged in palynological studies in the Department of Paleontology of the British Museum of Natural History (1986, 1991) and at the Institute of Geological Sciences of the Polish Academy of Sciences (2002). She kept an interest in palynological research until her death. Doctor A.D. Arkhangelskaya was member of the All-Russia Paleontological Society and a member of the All-Russia Botanical Society at the Russian Academy of Sciences. She was awarded by professional sign of the Geology Ministry of the USSR “Honours pupil of investigation of bowels” and a medal “The Veteran of Work”. During her lifetime, Aleida Denisovna Arkhangelskaya published many research papers. Her publications are important for palynologists of the Devonian of the USSR and Russia. Blessed memory of Aleida Denisovna Arkhangelskaya, famous scientist, committed to their profession palynology, will remain forever in the hearts of her friends and colleagues.

Some important publications

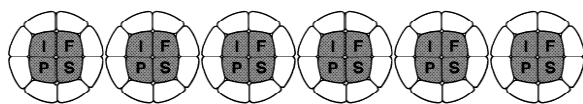
- Arkhangelskaya A.D. (1978): Lower Devonian spores of the Lithuanian Soviet Socialistic Republic // *Paleontol. Journal* 1978 (2): 113-120 (In Russian).
- Arkhangelskaya A.D. (1980): Spores of plants from some sections of Lower Devonian the western regions of Russian plate // *Palynological researches of Proterozoic and Phanerozoic oil-gas regions USSR*. M: VNIGNI, 26-46, 140-143 (VNIGNI works, issue 217). (In Russian).
- Arkhangelskaya A.D. (1980): About an establishment of *Retusotriletes clandestinus* zone in the Lower Devonian of southeast areas of the Orenburg region // *Palynological researches of a Proterozoic and Phanerozoic oil-gas regions USSR*. M: Изд. VNIGNI, 47-52, 134-144 (VNIGNI works, issue 217). (In Russian).
- Arkhangelskaya A.D. (1985): Spore zonal complexes and stratigraphy of Lower and Middle Devonian of Russian plate // *Spore and pollen atlas of oil-gas formations of Russian and Turan plates*. M.: “Nedra”, 5-14 (VNIGNI works, issue 253). (In Russian).

- Arkhangelskaya A.D. (1985): Spores from Lower and Middle Devonian of Russian plate // Spore and pollen atlas of oil-gas formations of Russian and Turan plates. M.: "Nedra", 32-80, 194-203 (VNIGNI works, issue). (In Russian).
- Arkhangelskaya A.D., Ovnatanova N.S. (1986): Comparison of zone divisions on conodont and spores in deposits of Frasnian stage of Volgo-Ural oil-gas provinces // Izvestiya Academy of Sciences the USSR. Geology Series No 8: 61-67 (In Russian).
- Arkhangelskaya A.D. (1987): New genus and some spore species of Frasnian stage of the Volgo-Ural area // Paleontol. Journal No 3: 84-91 (In Russian).
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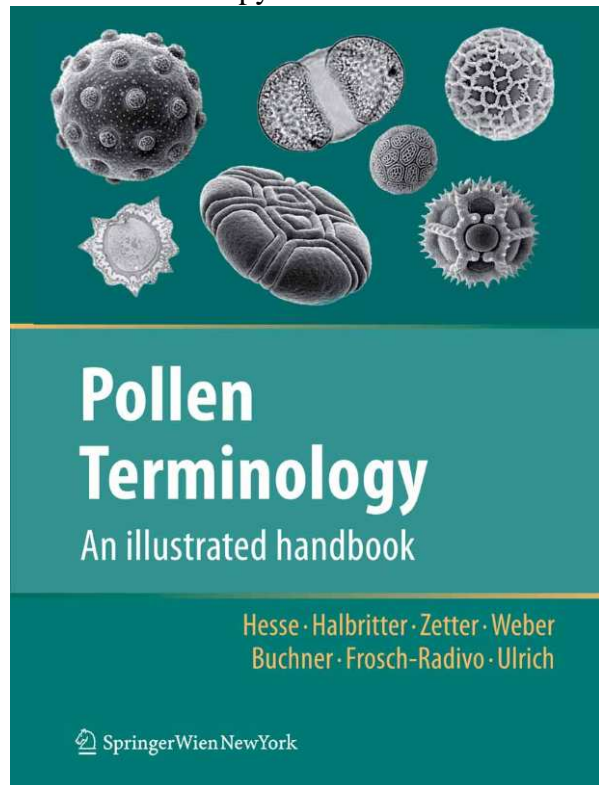
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NEW BOOKS

POLLEN TERMINOLOGY. AN ILLUSTRATED HANDBOOK. SPRINGER, WIEN-NEW YORK 2009

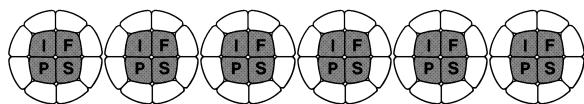
This handbook is a fully illustrated compendium of glossary terms and basic principles in the field of palynology, making it an extremely valuable tool for all palynologists. The General Chapter on pollen morphology, pollen structure, and pollen development deals with essential aspects of palynology. Where appropriate, ambiguous or poorly recognized palynological aspects or terms are explained in greater detail, based on the present state of knowledge in palynology. Chapters on pollen preparation for light and electron microscopy are added.



The Terminology Section consists of the Illustrated Glossary and the Alphabetic Glossary. The illustrated glossary comprises more than 300 widely used terms illustrated with over 1000 high-quality light and /or electron microscope images. It provides a detailed survey of the manifold ornamentation and structures of pollen walls, and offers insights into their stunning aesthetic beauty. Terms are grouped by context to allow easier and faster comparison of similar features. In general, each term is explained on a page of its own, including the definition, plant species, and, if needed, a comprehensive explanation. For the Alphabetic Glossary a

strict rationalization of terms on the basis of practical criteria has been attempted. For consistency, phrases are standardized as far as possible; for example, features of ornamentation are stereotypically defined as “pollen wall with”, and pollen wall features (or pollen shape and size) as “pollen grain with”. Where necessary, definitions of terms have been reworded, newly circumscribed, or brought into focus. In addition, consistent application of EM techniques and the now-days greater understanding of pollen features have made redefinition of some terms necessary. The use of the terms in LM, SEM or TEM and their assignment to anatomical, morphological and/or functional pollen features are indicated by icons and color coding, respectively. The textual glossary is arranged alphabetically for faster term searches. Key literature sources are mentioned and selected cross-references to the general chapter are included for better comprehension.

Submitted by Michael Hesse, PalDat



ANNOUNCEMENTS

NEWS FROM THE AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) – REFLECTANCE MEASUREMENT FOR DISPERSED VITRINITE

A new American Society for Testing and Materials (ASTM) standard test method for measurement of the reflectance of vitrinite dispersed in sedimentary rocks has been developed by an international committee of technical experts from government agencies, academia, industry, and consultancies. This product grew from the efforts of the International Committee for Coal and Organic Petrology (ICCP) Identification of Primary

Vitrinite Working Group, and is the result of an international partnership between members of ICCP, ASTM, The American Association of Petroleum Geologists, and TSOP. The new consensus standard is available for purchase from

<http://www.astm.org/Standards/D7708.htm>

and is included in the 2011 Annual Book of ASTM Standards, v. 05.06, Gaseous Fuels; Coal and Coke, which can be obtained as a free yearly benefit to ASTM members.

Development of the new test method (ASTM D7708-11) began in 2008 with a survey of common practices used in laboratories that routinely measure the reflectance of dispersed vitrinite in shales. The test method writing committee was identified from among the survey respondents, and the existing ASTM coal vitrinite reflectance standard (ASTM D2798) was used as an outline for the new test method. Significant changes from the coal standard include: 1) specialized terminology to include recycled vitrinite, zooclasts, solid bitumens, and marine algae; 2) discussion of potential for vitrinite suppression and retardation in certain conditions; 3) inclusion of fluorescence observation and resulting changes to equipment description and procedure; and 4) addition of reporting requirements, including type and quality of sample preparation, observation of fluorescence, and consideration of supporting data and information.



Example of dispersed vitrinite in the Upper Cretaceous Eagle Ford Shale, Maverick Basin, south Texas.

The new standard was successfully balloted through the subcommittee and D05 main committee levels of the ASTM vetting pro-

cess with no negative votes received. However, users of the standard and other interested parties can bring comments and concerns to the attention of ASTM subcommittee D05.28, Petrography of Coal and Coke, which is responsible for the maintenance and revision of this and other ASTM petrography standards. Interested IFPS members who would like to contribute to consensus standards development within subcommittee D05.28 are encouraged to contact Paul Hackley, U.S. Geological Survey (phackley@usgs.gov), for additional information.

Anticipated users of the new D7708-11 standard include government, academic, and service laboratories. The standard will be used as the prescribed method for the dispersed vitrinite reflectance accreditation program of the ICCP, which currently includes approximately forty laboratories worldwide. The test method is predicted to be most relevant for shale gas plays where precise information concerning thermal maturity is considered key to successful basin analysis. Anticipated future improvements to the standard include the creation of quantified reproducibility and repeatability values through inter-laboratory round-robin exercises, and the development of a supplemental online image atlas of dispersed organic matter in sedimentary rocks to aid in the identification of indigenous vitrinite.

Submitted by Paul Hackley, U.S. Geological Survey (phackley@usgs.gov)

CRAWFORD LAKE, ONTARIO (CANADA) COVERAGE ON THE WEATHER NETWORK TELEVISION

The Weather Network took an interest in studies of recent climate and eutrophication being carried out in Crawford Lake, Ontario, Canada by scientists from the University of Toronto, Brock University, and the University of Innsbruck in February, 2011. Cores were recovered from the ice surface

using both a Livingstone sampler and a frigid fingernail - the latter to recover the varved sediments for which this meromictic lake is famous.

Analysis of the exceptionally preserved fossil record in these sediments that record two distinct periods of human activity in and around the lake over the last millennium (Iroquoian village ca. A.D. 1286-1500 and Euro-Canadian farmland beginning in the 19th century) continues in the laboratories of Sarah Finkelstein (Toronto), Francine McCarthy (Brock), and Jean Nicolas Haas (Innsbruck). Kelly Noseworthy, correspondent for *The Weather Network*, did a follow-up visit to Brock University in April (*see figure*), when the varved sediments were prepared for analysis, and reported on the ongoing paleoenvironmental analysis.



Kelly Noseworthy (*left*), correspondent for *The Weather Network*, looks on as varved sediments from Crawford Lake are subsampled for palynological analysis. Also shown, left to right, are Calvin Chan and Charlie Turton (University of Toronto) as well as Andrea Krueger and Francine McCarthy (Brock University).

Photo courtesy of Jock McAndrews.

Her documentary can be viewed on their website:

http://www.theweathernetwork.com/news/storm_watch_stories3&stormfile=ontario_lake_holds_climate_c_040411

Submitted by Francine McCarthy, Earth Sciences, Brock University, St. Catharines, Ontario, Canada L2S 3A1 (fmccarthy@brocku.ca)

POLLEN – SO SMALL – SO GREAT: PERMANENT EXHIBITION ON POLLEN AT BERGEN MUSEUM, NORWAY

An impressive and fascinating exhibition on all aspects of pollen was prepared by Kari Loe Hjelle and colleagues (University of Bergen – Bergen Museum), so if you visit Bergen, have a look to it!

Address: Muséplass 3 in Bergen, Norway.

Opening hours: Tuesday-Friday: 10-15 h (summer: 10-16 h), Saturday-Sunday: 11-16 h (summer: 11-15h). Monday closed. More information available at www.bergenmuseum.uib.no

Pollen – så lite – så stort
Pollen – so small – so great

Tirsdag - Fredag 10-15 Lørdag - Søndag 11-16 Mandag stengt Tlf. 55582920 publikum@bm.uib.no

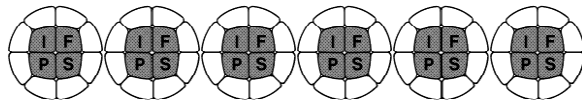
BERGEN MUSEUM
De naturhistoriske samlinger
Muséplass 3

CURRENT IFPS AFFILIATED SOCIETIES AND COUNCILLORS

The current list of the IFPS officers and IFPS councillors is provided below. The IFPS president (Thomas Servais), IFPS secretary-treasurer (Charles Wellman) and *PALYNOS* editor (Jean Nicolas Haas) should be informed of any errors or necessary changes (see email addresses below; postal addresses of all officers and councillors: see <http://www.geo.arizona.edu/palynology/ifpscncl.html>).

The list of current IFPS councillors also includes information on website addresses for the various societies. Please inform the editor of possible website changes.

IFPS Officers	Affiliation	Email
IFPS President – Thomas Servais	Univ. des Sciences & Technologies de Lille, France	thomas.servais@univ-lille1.fr
IFPS Past President – Thomas Litt	University of Bonn, Germany	t.litt@uni-bonn.de
IFPS Secretary-Treasurer – Charles Wellman	University of Sheffield, England	C.Wellman@sheffield.ac.uk
IFPS Editor of <i>PALYNOS</i> – Jean Nicolas Haas	University of Innsbruck, Austria	Jean-Nicolas.Haas@uibk.ac.at
IFPS Web-Master – Owen Davis	University of Arizona, USA	odavis@email.arizona.edu
IFPS affiliated Societies	Acronym & Website	Councillors
American Association of Stratigraphic Palynologists	AASP http://www.palynology.org	Owen Davis & James Riding (IFPS Vice-president)
Arbeitskreis für Paläobotanik und Palynologie	APP http://www.palges.de/arbeitskreise/ak-palaeobotanik-palynologie.html	Rainer Brocke
Arbeitskreis für Vegetationsgeschichte der Reinhold-Tüxen-Gesellschaft	AVRTG http://www.reinhold-tuexen-gesellschaft.de/	Klaus Oeggel
Asociación de Palinólogos de Lengua Española	APLE http://apple.usal.es	Maria Carmen Fernández
Asociación Latinoamericana de Paleobotánica y Palinología	ALPP http://www.ufrgs.br/alpp	Paulo Alves de Souza (IFPS Vice-president)
Association des Palynologues de Langue Française	APLF http://w3.laplf.univ-tlse2.fr/	Nathalie Combourieu-Nebout
Canadian Association of Palynologists	CAP http://www.scirpus.ca/cap/cap.shtml	Jean Nicolas Haas
Collegium Palynologicum Scandinavicum	CPS http://palyno.net	Dagfinn Moe
Commission Internationale de Microflore du Paléozoïque	CIMP http://cimp.weebly.com/	Zelia Pereira
Gruppo di Palinologia della Società Botanica Italiana	GPSBI http://www.societabotanicaitaliana.it/laygruppo.asp?IDSezione=22	Anna Maria Mercuri
International Association for Aerobiology	IAA http://www.isac.cnr.it/aerobio/iaa/index.html	Bernard Clot
Linnean Society Palynology Specialist Group	LSPSG http://www.linnean.org/	Guy J. Harrington
Organisation of Czech and Slovak Palynologists	OCSP	Jiřina Dašková
Palynological Society of China	PSC http://159.226.74.3:7003/02_english.htm	Huaicheng Zhu
Palynological Society of Japan	PSJ http://wwwsoc.nii.ac.jp/psj3/top.htm	Hikaru Takahara & Shinya Sugita (IFPS Vice-president)
Palynological Society of Poland	PSP	Ewa Durska
Palynologische Kring (Netherlands)	PK http://www.palynologischeskring.nl	Henry Hooghiemstra
Palynologists and Plant Micropalaeontologists of Belgium	PPMB	Philippe Steemans
Russian Palynological Commission	RPC	Valentina N. Mantsurova
Society for the Promotion of Palynological Research in Austria	AUTPAL http://www.autpal.at	Michael Hesse
The Micropalaeontological Society Palynology Group	TMS http://www.nhm.ac.uk/hosted_sites/tms/society.htm	Fabienne Marret-Davies
The Palaeobotanical Society (Lucknow, India)	PSL http://www.palaeobotanicalsociety.org	Ashwini Kumar Srivastava
Turkish Committee for Palynology	TCP	Zühtü Bati
International Union of Geological Societies	IUGS	Lucy Edwards
International Union of Biological Societies	IUBS	Jacques-Louis de Beaulieu
Societies on hold		
International Association for African Palynology	AIPA/IAAP	
Palynological and Palaeobotanical Association of Australia	PPAA	
Philippine Palynological Society	PPS	



PALYNOS (ISSN 0256-1670) is published bi-annually and is distributed electronically to all IFPS Councillors for local distribution to individual members of their **International Federation of Palynological Societies (IFPS)** affiliate society. The newsletter is also posted on the IFPS website (see below).

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

Jean Nicolas Haas
jean-nicolas.haas@uibk.ac.at

Please don't forget to visit our IFPS web site at:

<http://geo.arizona.edu/palynology/ifps.html>

