

PALYNOS

ISSN 0256-1670

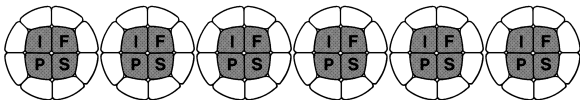
Volume 34, n°2 - 2011

NEWSLETTER OF THE INTERNATIONAL FEDERATION OF PALYNOLOGICAL SOCIETIES

CONTENT OF PALYNOS VOL. 34 (2)

- PAGE 1:  IFPS BUSINESS
PAGE 1:  XIII IPC 2012 TOKYO, JAPAN
PAGE 6:  MEETING REPORTS
PAGE 9:  FUTURE MEETINGS
PAGE 11:  IN MEMORIAM
PAGE 15:  ANNOUNCEMENTS
PAGE 16:  CURRENT IFPS AFFILIATED
SOCIETIES AND COUNCILLORS
PAGE 17:  IMPRESSUM

**DON'T MISS THE DEADLINE
OF MARCH 31ST, 2012 !
FOR ABSTRACT SUBMISSION
& REGISTRATION FOR
PRESENTING AUTHORS AND
STUDENT FUNDING, AS WELL
AS THE DEADLINE OF APRIL
30, 2012 FOR GENERAL
CONGRESS PARTICIPANTS!**



IFPS BUSINESS

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

As announced in former issues of PALYNOS, the IPC XIII/IOPC IX 2012 will be held at Chuo University, Tokyo in August 23–30, 2012. Find hereby all relevant information concerning this important venue!



All information concerning this IPC can also be found on the congress webpage at <http://www.psj3.org/ipc-iopc2012/Welcome.html>

REGISTRATION FOR IPC-13

To **register online** for the IPC XIII/IOPC IX 2012 (as well as for the Congress Buffet Party and pre-, mid- and post-congress field trips) please consult the congress webpage (see above). The detailed congress schedule for August 23-30, 2012 can also be found on the congress webpage.

Contact for Registration and General

Inquiries: Email: ipciopc2012@kpu.ac.jp

Postal Address:

Hikaru Takahara,

IPC/IOPC2012 Congress Management Office

Kyoto Prefectural University

1-5, Hangi-cho, Shimogamo, Sakyo-ku,

Kyoto, 606-8522 Japan

Phone & Fax: +81 75 703 5683

LOCATION AND ACCESS OF IPC-13

The Campus of Chuo University is located at central Tokyo. It is within a five-minutes walk from Metro Stations (Korakuen, Kasuga) of several lines connecting to major Metro and Train networks. Major airlines arrive at Narita International Airport about 60 km air-distance from central Tokyo, whereas some International flights from Asia and most domestic flights land at Tokyo International Airport (Haneda), which is fairly close to Tokyo. For further details please consult the IPC website.

SCIENTIFIC PROGRAMME OF IPC-13

The Scientific Programme is listing **8 different symposia with a total of 41 sessions** (details available below and online):

Symposium 1. Airborne pollen and spores as allergic agents

Sessions:

(SS02) Cross-reactivity of pollen allergy.

Organizers: Terumi Midoro-Horiuti, Yasuto Kondo & Reiko Kishikawa.

(SS15) Impact of Climate Change on Aero-allergen, Asthma and Clinical Immunology.

Organizers: Anand Bahadur Singh & Jae-Won Oh.

(SS27) Recent airborne allergenic pollen and spore research: phenological trends in different locations.

Organizers: Norio Sahashi & Jae-Won Oh.

(SS28) Recent methodology for pollen dispersal forecast.

Organizers: Motoo Suzuki & Kyu Rang KIM.

Symposium 2. Innovative tools for palynological and palaeobotanical studies

Sessions:

(SS01) Palynological electronic resources and methods of palynological data processing and summarization.

Organizers: Dmitriy Britski & Olga Gavrilova.

(SS07) Quantitative reconstructions of past vegetation/land cover at local to continental spatial scales using pollen records – potentials and limits.

Organizers: Marie-José Gaillard, Shinya Sugita & Jack Williams.

(SS09) Quantifying Cenozoic vegetation – new developments in standardized approaches (a joint ROCEEH and NECLIME symposium).

Organizers: Angela A. Bruch, Elena Vassio & Johanna Kovar-Eder.

(SS18) Progress and future direction in automated palynology.

Organizers: Katherine Holt & Keith Bennett.

(SS20) Palynological processing in the 21st Century: innovative, safer, non-acid based techniques for processing palynology samples.

Organizers: Vladimir Torres-Torres, Niall W. Paterson, Jen O'Keefe & James B. Riding.

(SS22) Application of digital visualization methods to advance paleobotanical studies.

Organizers: Selena Smith & Margaret Collinson.

(SS26) Advancing High-Resolution, High-Throughput Research in Paleocology.

Organizers: Surangi W. Punyasena & Feng Sheng Hu.

(SS41) Ecological insights from palynological and macrofossil analysis.

Organizers: Simon Brewer & Thomas Giesecke.

Symposium 3. History of human-plants relationship

Sessions:

(SS29) Use and management of plant resources in prehistoric periods in East Asia. Organizers: Shuichi Noshiro & Yuichiro Kudo.

(SS31) Palynological evidence of past traditional farming systems and pastoralism. Organizers: Jean Nicolas Haas & Didier Galop.

(SS35) Environmental and cultural dynamics of the last 21,000 years, with emphasis on prehistorical agriculture in East Asia and other places of the world. Organizers: Wei-Ming Wang, Hikaru Takahara & Sangheon Yi.

Symposium 4. Quaternary ecosystems and climates

Sessions:

(SS04) Tropical coastal environments: Drivers and consequences of ecological change in the late Quaternary. Organizers: Ulrike Proske & Hermann Behling.

(SS05) Late Quaternary environments in Southeast Asia. Organizers: Janelle Stevenson, Ulrike Proske, Zhen Li & Thi Mai Huong Nguyen.

(SS06) "Into the Icehouse" climate and vegetation change at the end of the Pliocene (a joint ROCEEH and NECLIME

symposium). Organizers: Torsten Utescher & A. Angela Bruch.

(SS16) Holocene Palynology and Tropical Palaeoecology. Organizers: Navnith K.P. Kumaran & Ruta Limaye.

(SS24) Detection and characterisation of millennial-scale climate variability in Quaternary pollen records (INQUA IFG ACER symposium). Organizers: William J. Fletcher & Maria Fernanda Sanchez Goñi.

(SS25) Late Cenozoic to modern marine palynology of the circum-Pacific Ocean. Organizers: Fabienne Marret, Anne de Vernal & André Rochon.

Symposium 5. Cenozoic plants and biosphere surrounding them

Sessions:

(SS03) Uplift of the Himalaya and its impact on the climatic and biodiversity changes in East Asia. Organizers: Zhekun Zhou & Arata Momohara.

(SS08) Climatically-forced vegetation changes short-termed (a NECLIME symposium). Organizers: Andrea K. Kern & Torsten Utescher.

(SS12) East Asian vegetational responses in the critical climate change events of the Cenozoic. Organizers: Yusheng (Christopher) Liu & Cheng Quan.

(SS14) The evolutionary history of conifers that are now endemic to Asia. Organizers: Atsushi Yabe & Ben LePage.

(SS17) Palaeoecology of Cenozoic conifers – limits of actualisms? Organizers: Lutz Kunzmann, Martina Dolezych & Wilfrid Schneider.

(SS30) Late Cretaceous and Tertiary Woods. Ecological, Systematic, and Biogeographic Insights from the Fossil Wood Record. Organizers: Kazuo Terada, Kyungsik Kim & Elisabeth Wheeler.

(SS37) The flora of the Paleogene: diversity, distribution and regional to global responses to changing climates.

Organizers: Carlos Jaramillo, Diana Ochoa & Monica Carvalho.

(SS42) Neogene global tectonic and climatic change as drivers in plant evolution: linking the palynological, palaeobotanical and molecular records.

Organizers: Carina Hoorn, Andres Pardo & Alexandre Antonelli.

Symposium 6. Phytogeography and systematics of Palaeozoic and Mesozoic plants

Sessions:

(SS21) Paleofloristic and paleoenvironmental changes in Asia throughout the Mesozoic : palynological and megafossil evidence. Organizers: Harufumi Nishida, Marc Philippe, Kazuo Terada & Julien Legrand.

(SS33) Southern Hemisphere floras: unique insights into the biology and ecology of Southern Hemisphere ecosystems. Organizers: David Cantrill & Stephen McLoughin.

(SS34) Evolutionary history of key taxa and phytogeography of the Jurassic and Cretaceous floras of Eurasia. Organizers: Lina Golovneva & Alexey Herman.

(SS36) Continents before vascular plants. Organizers: Dianne Edwards, Jennifer Morris & Charles Wellman.

(SS38) Triassic and Jurassic plants: systematics, diversity variation and environmental background. Organizers: Yongdong Wang, Mihai E.Popa, Maria Barbacka & Gaetan Guignard.

(SS39) Precambrian to Palaeozoic Palynology: the state of the art (CIMP-sponsored Symposium). Organizers: Marco Vecoli & Charles Wellman.

Symposium 7. Evolution and development in palaeobotanical contexts

Sessions:

(SS10) Exine development and pattern formation, unifying ultrastructural and

genetic approaches. Organizers: Stephen Blackmore, Nina Gabarayeva & Michael Hesse.

(SS11) Paleozoic Plant Physiology.

Organizers: Walton Green & Cindy Looy.

(SS13) Bridging the Gap between Palynology and Phylogeography: From Ice Core Genetics to Lakebed Sediments. Organizer: Lynn Anderson-Carpenter.

(SS32) Evolutionary novelties in Land Plants and developmental mechanisms behind. Organizers: Toshihiro Yamada & Harufumi Nishida.

(SS40) Tracing the history of extant angiosperm clades with paleobotanical data.

Organizers: Steven Manchester & Kathleen Pigg.

Symposium 8. IOP presidential symposium (Invitation only)

Session:

(SS23) IOP Presidential Symposium: new concepts and discoveries in plant paleontology. Organizers: Gar Rothwell & Ruth Stockey.

The list of **Field Trips** comprises (details available online):

Pre-Congress Field Trips:

Pre-1. Cretaceous and Cenozoic fossil sites and biodiversity of natural beech forest in Hokkaido. Aug. 18- 22, 2012.

Pre-2. Culture and plant usage in the prehistoric Jomon period in northern Japan and the surrounding environment. Aug. 18- 22, 2012.

Mid-Congress Field Trips:

Mid-1. Beech forest in Mt. Takao and a latest Pliocene fossil forest in Hachioji, West Tokyo. Aug. 26, 2012.

Mid-2. Late Miocene fossil flora from Yagii Formation, and visit to historical town Koedo

Kawagoe, Saitama. Aug. 26, 2012.

Mid-3. Subalpine coniferous forest with wave regeneration in Mt. Shimagare, Nagano Prefecture. Aug. 26, 2012.

Mid-4. Last Glacial fossil forest in Karuizawa and volcanic geography in Mt. Asama, West Nagano. Aug. 26, 2012.

Mid-5. Well-preserved fossil plants from the Middle Pleistocene lacustrine beds in Shiobara, Tochigi. Aug. 26, 2012.

Post-Congress Field Trips:

Post-1. Cretaceous and Tertiary fossil sites in Hokuriku, Japan Sea-side of Central Japan. Aug. 31- Sep. 4, 2012.

Post-2. Natural vegetations and Neogene fossil sites in and around Nara, western Japan. Aug. 31- Sep. 3, 2012.

Post-3 Quaternary environment and vegetation changes in Kyoto and its vicinity (Lake Biwa, Lake Suigetsu...). Aug.31- Sep. 3, 2012.

Post-4. The Jehol Biota of western Liaoning, NE China. Aug 31- Sep 4, 2012.

Post-5. Cretaceous dinosaur fossil sites and Jeju Island (UNESCO's World Natural Heritage) in Korea. Aug. 31 - Sep. 4, 2012.

IFPS STUDENT FUNDING FOR THE IPC-13

The IFPS has agreed to support student participation at the upcoming XIII IPC to be held in Tokyo, Japan in August 2012. Funding will be awarded to Masters and Ph.D. students presenting palynological results at IPC XIII (oral or poster). 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 approximately 20 students with a \$500 (US dollars) contribution towards the cost of attending the conference. Students wishing to apply should e-mail (preferably as

a pdf) a covering letter (no more than one page), a Short-CV (maximum one page) along with their talk/poster abstract to Charles Wellman (IFPS Secretary-Treasurer: c.wellman@sheffield.ac.uk). The covering letter should briefly explain which IFPS affiliated organisation the student is a member of, other sources of funding for conference attendance (secured or being sought), and why the additional funding is necessary. Awards will be presented at the conference. Applications should arrive before **31st March 2012.**

WORLD DIRECTORY OF PALYNOLOGISTS

Please note that the 5th edition of this invaluable directory is currently prepared and will be published as a pdf by Owen K. Davis for August 2012 (the time of the IPC in Tokyo). More information will be available by your according IFPS society councillor in due times.

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 and/or IFPS and commence discussions.

ELECTION OF THE NEXT PRESIDENT AND OFFICERS OF IFPS FOR 2012-2016

In accordance with Article 9 of the IFPS constitution a new IFPS president was recently elected by the retiring IFPS council for the period 2012-2016 (starting his duties with the incoming Council Meeting during the IPC-13 in Tokyo, Japan, August 2012)

Congratulations therefore go to the **new IFPS President Dr. Charles Wellman** (Dept. of Animal & Plant Sciences, University of Sheffield, UK, C.Wellman@sheffield.ac.uk) and his **designated Officers Jim Riding** (Secretary-Treasurer, jbri@bgs.ac.uk), **Jean Nicolas Haas** (PALYNOS editor, jean-nicolas.haas@uibk.ac.at), **Owen Davis** (Webmaster, odavis@email.arizona.edu), and **Thomas Servais** (Past President, thomas.servais@univ-lille1.fr).

MEETING REPORTS

2011 Linnean Society Palynology Specialist Group: Pollen and Spore Research: Fundamental and Applied, London, November 3, 2011

The Palynology Specialist Group is one of the Specialist Groups supported by the Linnean Society of London. It is affiliated to the International Federation of Palynological Societies (IFPS). The Secretary of the Group and IFPS Councillor is Guy Harrington (University of Birmingham) and Carol Furness (Royal Botanic Gardens, Kew) is the Meeting Co-ordinator. The main aim of the Palynology Specialist Group is to act as a forum for researchers from various different fields involving pollen and spores. It also aims to encourage younger researchers and provides a relatively informal venue where postgraduate students and postdoctoral workers can present their research. The main activity of the Palynology Group is an annual one-day symposium meeting which was held on 3rd

November, 2011, in the rooms of the Linnean Society at Burlington House, Piccadilly, London. The meeting, 'Pollen and spore research: fundamental and applied', was attended by ca 40 people. Ten speakers presented talks on a broad range of palynological topics (see below).

The day began with Paul Strother's talk on the palaeobiology of a PreCambrian shale. This deposit is dominated by various acritarchs and indicates the freshwater ecosystems at 1Ga were dominated by benthic eukaryote species. This was followed by an account of research carried out in the Chemistry Department at the University of York, involving cleaning pollen and spore exines in order to potentially use them to encapsulate various products. The speaker, Katrina Bakker, is carrying out this work for her PhD and welcomed the opportunity to meet palynologists and discuss techniques as she is new to the field. The next talk, by Hugh Dickinson, focused on the change from sporophytic to gametophytic control during microspore development; he discussed how microspores 'escape from parental control' and 'search for identity,' drawing parallels with rebellious teenagers! Simon Hiscock then presented a talk on the role of peroxidases, reactive oxygen species (ROS) and nitric oxide in receptive stigmas where they play a possible role in pollen-stigma interactions and protection of stigmas from pathogen attack. After the lunch break, Simon Owens updated us on his survey of breeding system data for Brassicaceae carried out with Renee Miller and Ihsan Al Shehbaz. It is apparent from their work how much still remains to be discovered on this topic. There then followed three talks on the contribution of pollen to systematics in eudicot angiosperms. Firstly, Ana Rita Simões discussed research carried out for her PhD on Merremiaceae (Convolvulaceae) and demonstrated the diversity of pollen morphology within this tribe. Secondly, Carol Furness illustrated pollen and tapetal characters in the parietal clade of Malpighiales using transmission electron microscopy (TEM) and discussed their potential contribution to resolving

relationships within this clade. Thirdly, Peter Mark gave an account of the pollen morphology of Violaceae, a family that, surprisingly, has been little studied palynologically before Peter's research for his MSc. The final two talks were an evaluation of pollen dispersed in polyads in Leguminosae by Hannah Banks, followed by a technologically well-informed presentation on new methods for sampling and analysis in aerobiology by Matt Smith from the National Pollen and Aerobiology Research Unit.

The meeting was followed by a reception in the Library of the Linnean Society where discussion continued over a glass of wine. The reception, together with the coffee and tea breaks, form an important part of the meeting since they bring people together to talk. The Palynology Group meeting was (as is customary) held the day after the Linnean Society Palaeobotany Specialist Group's highly successful one-day meeting, to facilitate attendance at both. It was good to see that many members did indeed attend both meetings. Next year's Palynology Group meeting will be held on 1st November 2012 at Burlington House and is open to anyone with an interest in pollen or spores. There is no registration fee as the meeting is supported by funding from the Linnean Society and we are very grateful for this continued support and for the use of the Society's facilities at Burlington House.

Pollen and Spore Research: Fundamental and Applied

3rd November 2011

Speakers:

Palaeobiology of a Precambrian shale II: taxonomy and systematics

Katrina Bakker, University of York: Pollen and spore exines: potential new microencapsulants

Hugh Dickinson, University of Oxford: Meiosis, microspores and gametophytic commitment

Simon Hiscock, University of Bristol: Pollen-stigma interactions: the role of reactive oxygen species (ROS) and nitric oxide

Simon Owens, Royal Botanic Gardens, Kew: What do we really know about the reproductive biology of Brassicaceae?

Ana Simões, Natural History Museum, London: Contribution of pollen morphology to the systematics of Merremieae (Convolvulaceae)

Carol Furness, Royal Botanic Gardens, Kew: Comparative structure and development of pollen and tapetum in Malpighiales, with a focus on the parietal clade

Peter Mark, Royal Botanic Garden, Edinburgh: Systematic and taxonomic significance of the pollen morphology of Violaceae

Hannah Banks, Royal Botanic Gardens, Kew: Why package pollen in groups?

Matt Smith, National Pollen and Aerobiology Research Unit, University of Worcester: New sampling and analysis techniques in aerobiology

Report by the meeting organiser, Carol Furness (Royal Botanic Gardens, Kew, c.furness@kew.org)

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 XIII All-Russian Palynological Conference with international participation was held in the Institute of Geology and Institute of Biology of the Komi Science Centre of the Ural Branch of the Russian Academy of Sciences (Syktyvkar, Russia). Conference theme was on "Problems of modern palynology". This scientific meeting with a total of 62 participants from Russia, Byelorussia, Azerbaijan and Czech Republic aimed to discuss 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 conference included 14 keynote lectures, 64 oral and several poster presentations. The conference began with the talks in honour of famous Russian palynologists Elena D. Zaklinskaya and Lidiya V. Rovnina and related with their outstanding life and great influences on modern generation of researchers.

Then the work on the conference was realized according five main directions.

1. Biology, morphology, systematics and taxonomy of spores and pollen. Palynology in phylogenetic studies.

The session comprises very interesting presentations of S.V. Polevova (Moscow), V.F. Tarasevich and V.V. Grigorieva (St. Petersburg), V.M. Leunova (Moscow), A.S. Shuklina (Vladivostok) and other colleagues and included a great volume of new results of their studies.

2. Methodological issues: the new laboratory methods of palynology, the improvement of methods of interpreting the results of palynological investigations.

Among papers devoted on methodological problems in pollen analysis the talk of A.V. Lozhkin (Magadan) is noteworthy as representing environmental and climate reconstruction on an example of a long core from the lake in the former crater of eruption on the North of Chukotka Peninsula. A very informative lecture about the use of pollen concentration measurement in reconstruction of vegetation was given by O.K. Borisova. Several presentations were devoted to the relationships between modern plant cover and pollen rain and composition of surface pollen assemblages (M.B. Nosova, O.A. Volkova, E.E. Severova). A lot of questions arose after the talk of A.N. Babenko (Moscow) about the use of zoogenous deposits for pollen analysis. The different methods of sediment treatment for pollen analysis were discussed in the presentation of E.G. Raevskaya (St. Petersburg).

3. Applied palynology: aeropalynology, melissopalynology, archaeological palynology, forensic palynology, palynology as an indicator of the environment.

This session included 12 papers. As the most interesting talks, raising many questions and comments we can mention the presentation of O.F. Dz'uba and S.V. Podoinitzina (St. Petersburg) about pollen indicators of extreme human influence on environmental conditions in urban territories and the area of nuclear electric power station. The comparisons of the airborne pollen composition in Moscow

and Ryazan' were represented by Yu M. Posevina and E.E. Severova. In several presentations peculiarities of recent pollen assemblages in different regions were discussed. The indication of human impact on vegetation in the past using pollen data application of pollen analysis in archeology were discussed in talks of N.K. Panova (Yekaterinburg) and E.G. Ershova (Moscow).

4. Cenozoic palynology: stratigraphy, paleogeography, depositional environment, climate and vegetation.

The largest session of the conference included 21 oral presentations on topics ranging from the White Sea in the western border of Russia to the Far East and from High Arctic in the North to arid regions in the South. The session comprised a lot of new and detailed data allowing correcting significantly the stratigraphical scheme of the Cenozoic deposits. A good example of such researches is a climate-chronostratigraphical scheme of Northern Eurasia, spanning the last 900 Ka, that was presented by N.S. Bolikhovskaya. Important talks of A.V. Lozhkin (Magadan), E.Yu. Novenko (Moscow), K.V. Krasnorutskaya (Rostov-on-Don), M.S. Lyashevskaya (Vladivostok) dealt with regional reconstructions of climate and vegetation dynamics during the Pleistocene and Holocene. New data about mire development in Sweden and Russia were presented by V. Jankovska (Czech Republic).

5. Palynology of the Mesozoic, Paleozoic and Precambrian: stratigraphy, palaeogeography and depositional environment.

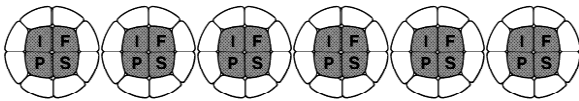
In this session the talks of Y.V. Michailenko (Uchta), E.V. Trusova (Saratov), D.A. Mamontov (Moscow), N.V. Il'ina (Syktyvkar), E.B. Peshevickaya (Novosibirsk) and other colleagues were focused on presenting the palynological data for stratigraphical determination and interregional correlation of the Mesozoic, Paleozoic and Precambrian deposits in European Russia, Siberia and the Far East.

As was hoped, this varied program generated a great deal of lively discussion, both during the sessions and in the coffee breaks. A very

nice excursion with picnic lunch was an excellent end of the Conference.

The next Russian Palynological Conference will be held in 2015 (in Moscow). In 2013 we plan to hold a symposium on methodical problems of pollen analysis in Moscow.

Reported by Dr. Sci. Nataliya S. Bolikhovskaya (Moscow), Chairman of Russian Palynological Commission RPC (nbolikh@geogr.msu.ru), Dr. Nataliya V. Il'ina (Syktyvkar), RPC Councilor (ilyina@geo.komisc.ru), and Dr. Elena Yu. Novenko (Moscow), RPC Councilor (lenanov@mail.ru)



FUTURE MEETINGS

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 45th Annual Meeting of AASP – The Palynological Society, Lexington, Kentucky, USA, July 21-25, 2012

The 45th AASP Meeting will be held at the University of Kentucky, Lexington, KY, from July 21-25, 2012, co-hosted by Cortland F. Eble (*Kentucky Geological Survey*) & Jennifer M.K. O'Keefe (*Morehead State University*). Further Information is available at <http://www.palynology.org/>

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

The 34th IGC 2012 will be held in Brisbane, Australia, 5-10 August. For more information consult the website at: <http://www.34igc.org>.

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.**



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

Please see detailed information on page 1 of this issue of PALYNOS or at <http://www.psj3.org/ipc-iopc2012/Welcome.html>

2012 12th International Paleolimnology Symposium, Glasgow, Scotland, August 21-24, 2012

For more information please consult www.paleolim.org

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



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, melissopalynology, 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, Lazarza 12

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



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/>

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

2012 Linnean Society Palynology Specialist Group, London, November 1, 2012

For more information please contact Carol Furness (Royal Botanic Gardens, Kew, c.furness@kew.org)

2013

2013 2nd International Joint Congress APLE-APLF on "Pollen Diversity and Function in a Changing Environment", Madrid, Spain, September 17-20, 2013

The Spanish and French Palynological Societies, APLE and APLF, will join for their next Symposium in Madrid, in September 17-20, 2013. Under the general title of "Pollen Diversity and Function in a Changing Environment" and organized by CSIC and Complutense University palynologists, the two societies will meet for presenting and discussing their last findings on the most relevant palynology areas. Further Information will be available in due times at <http://apple.usal.es> and <http://w3.laplf.univ-tlse2.fr/>

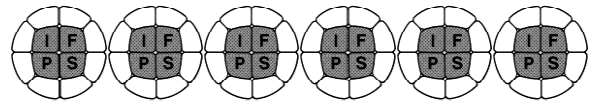
2013 46th Annual Meeting of AASP – The Palynological Society. Joint Meeting with DINO 10 and the North American Micropaleontology Section (NAMS), San Francisco, USA, in the Fall of 2013.

Further Information will be available in due times at <http://www.palynology.org/>

2014

**2014 9th European Palaeobotanical
Palynological Conference (EPPC),
Padua, Italy, August 26-31, 2014**

The Italian group of Palaeobotany and Palynology is very glad to be able to invite all of you to Padova 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

BYVSHEVA TAMARA VLADIMIROVNA (1928-2010)

Dr. Tamara Vladimirovna Byvsheva a well-known Russian palynologist, died on March 12, 2010, after long-term heavy disease chained her to bed and which deprived her from dialogue with colleagues. Dr. Tamara Vladimirovna Byvsheva was born April, 3, 1928 in city of Tambov. She graduated at the biological faculty of the Moscow State University on a speciality “Biologist” in 1952 and began to work in VNIGNI (Moscow).



Tamara Vladimirovna Byvsheva (1928-2010)

She completed her PhD thesis on the Palynological substantiation of stratigraphical stratification of terrigenous deposits of Malinovskiy and Yasnopolyanskiy superhorizons of the Lower Carboniferous of the Kamsko-Kynel'sk systems of deflections in 1965. Since 1967 and during all further years of work in VNIGNI she headed the Palynological Laboratory, numbering up to 20

persons in the scientific structure. As a result of the big scientific-organizational activity spent by T.V., scientific employees of the laboratory prepared and published their work in VNIGNI, with seven collections containing materials on palynological research from the Precambrian to the Tertiary on oil-gas deposits of regions of the European and Central Asian part of the former USSR. After reorganization of VNIGNI and reductions of paleontological subjects Tamara Vladimirovna left on pension in 1991. Scientific interests of T.V. were connected with palynological research on the oil-gas deposits of the Lower Carboniferous of the East Europe platform and to the general problem of a substantiation of the Devonian-Carboniferous boundary on palynological data. T.V. has brought in important contributions in Carboniferous palynostratigraphy, as for the first time the palynozonation for the Tournaisian and Viséan deposits of the Volga-Ural oil-gas province was offered. She has studied and has described numerous taxa of the Carboniferous miospores. Special practical interest also lied on the development of the palynological zonation executed in 1985 together with E.G. Shvartsman for the territory of the Eastern Europe platform. These materials have not lost in importance up to now. Within the framework of the Commission Internationale de Microflore du Paléozoïque (CIMP) T.V. successfully conducted teamwork with foreign colleagues M. Streeel (Belgium), K. Higgs (Ireland) and E. Turnau (Poland) which resulted in joint publications. Repeatedly T.V. was a member of organizing committees of All-Union Palynological Conferences, the organizer of several colloquiums on Carboniferous Palynology and an active participant in stratigraphy meetings on the Upper Paleozoic.

T.V. Byvsheva was a member of All-Union Paleontological Society USSR, a member of the Carboniferous Commission Interdepartmental Stratigraphy Committee of the USSR, a member of bureau of the Palynology Commission of Coordinating council Academy of Sciences of the USSR, a member of the International Subcommittee on Carboniferous Stratigraphy (SCCS). She was awarded the

medal: “The Work Veteran”, and an anniversary medal “For valorous work in commemoration of a 100-anniversary from V.I. Lenina's birthday”. Tamara Vladimirovna Byvsheva loved and respected everyone who knew her. Memory of her will forever be kept among her friends and colleagues.

Some important publications

Byvsheva T.V. (1963): Some spores species from leader assemblages of terrigenous deposits of the Lower Carboniferous of the Volga-Ural region // Spore-pollen assemblages and stratigraphy of Upper Paleozoic and Mesozoic the Volga-Ural region and Central Asia. M.: Gostoptekhizdat. p. 37-58, 162-213. (Tr. VNIGNI, issue 37).

Byvsheva T.V. (1971): New species of spores from the Lower Carboniferous deposits of the Volga-Ural region // Palynology and Stratigraphy of Paleozoic, Mesozoic and Paleogene from the European part of the USSR and Central Asia. M.: VNIGNI. p. 97-109, 172-177. (Trudy VNIGNI, issue 106).

Byvsheva T.V. (1976): Zonation of spore complexes of Devonian-Carboniferous boundary deposits from the eastern part of the Russian platform // Results of palynological researches of Precambrium, Paleozoic and Mesozoic of the USSR. M.: VNIGNI. p. 67-93, 157-162. (Trudy VNIGNI, issue 192).

Byvsheva T.V., Higgs K., Streeel M. (1984): Spore correlations between the Rhenish. Slate mountains and the Russian platform near the Devonian-Carboniferous boundary // Cour. Forsch.-Inst. Senckenberg. Frankfurt am Main. No. 67. p. 37-45.

Barskov J.S. et al. (1984): Devonian-Carboniferous transitional deposits of the Berchogur section, Mugodgary the USSR // Cour. Forsch.-Inst. Senckenberg. Frankfurt am Main. No. 67. p. 207-230.

Byvsheva T.V. (1985): Zonation of spore complexes and stratigraphy of the Tournaisian and Viséan Stages of the Volga-Ural oil-gas provinces // Atlas spores and pollen from oil-gas formations of the Russian and Turanian plates. M.: Nedra. p. 14-21. (Trudy VNIGNI, issue 253).

Byvsheva T.V. (1985): Spores from deposits of the Tournaisian and Viséan stages of the Russian plate // Atlas spores and pollen oil-gas formations of the Russian and Turanian plates. M.: Nedra. p. 80-158, 203-218. (Trudy VNIGNI, issue 253).

Dr. M. Oshurkova, (VSEGEI, St.-Petersburg, Maya_Oshurkova@vsegei.ru), & V. I. Avkhimovitch (London)

Svetlana Medeanic (1950-2011)

On 8th August 2011 Professor Svetlana Medeanic, Doctor of Geological Sciences, a palynologist known in many countries of the world, passed away.



Svetlana Medeanic (1950-2011).
Photo Nicolai Merlean (husband of Svetlana Medeanic)

Since that day we, her colleagues and friends, have lost not only an excellent scientist, but also a very dear friend who always helped us in our scientific or life problems. Svetlana Medeanic was a model of courage and optimism for us. More importantly, her publications are constantly on the desks of many palynologists since they are very useful and helpful to their work. Svetlana Medeanic is not alive any more, but there are her ideas and experience of scientific activity gained for 40 years that she has left on the pages of her monographs and numerous publications. Svetlana was born on 19 February 1950 in the family of a soviet military, and her childhood passed in martial medium in small frontier towns. However since her early ages plants called her principal attention. Once she told “if not palynology, the agriculture could be my choice for walk of life”. After she graduated at high school with a gold medal award she enrolled at the university with the

specialization in pharmacological chemistry. Early on she understood that industrial chemistry is not her destination, and Svetlana left her Siberian town for Moscow. She was easily admitted to the Moscow University, Faculty of Geology. Geochemistry was her first specialization in geology. After one year of study she over again abandoned chemistry and entered into the paleontological world. There the palynology was her assure choice which she succeeded till her last days. Her practical professional activity began at the Geological Survey of the USSR in Komi Republic in the European North of the Russian Federation. There, she completed research on Lower Devonian miospores from the Kolvinskii structure and Middle Devonian miospores of the Verkhnemezskaya oil-gas-bearing structure. This research was the principal for her doctoral thesis she developed under supervision of the famous soviet paleontologist and professor at the Moscow University Vladimir Drushits. In 1980 she had to leave to Moldova together with her family. Once she was at the Moldavian Academy of Sciences, Svetlana had to change from palynological studies of the Devonian stage to the study of the much younger, Pliocene-Quaternary geological period. At the Moldavian Academy of Sciences, in the Palaeontology Division, she worked on the topic, “The early Pleistocene Palynology and Palaeoecology of Moldova”. She also started the first palynological investigations into local archaeological studies of the Stone Age. Unfortunately, the dissolution of the USSR was followed by the decline and demoralization of mainstream science in the newly independent Moldova. Severe economic problems and the unstable socio-political situation forced Svetlana and her family to consider emigration. Thus, in the late 1990s, she and her husband moved to Brazil. In Brazil, Svetlana began the most dramatic, but also the most productive, period of her life. During the two first years in Brazil she had no employment or any involvement in scientific projects. She all alone learned Portuguese and achieved a great success, which allowed her later to become a known

translator in Brasil. However she could not exist without palynology - her great love, and she therefore started a self-sustained palynological study in home conditions. There, in the kitchen she macerated samples of Quaternary sediments collected around the house and studied them under school microscope. Later these home-made results were published and served as the base of Quaternary palynological studies in southern Brazil. In 1999 Svetlana became a visiting researcher in the Federal University of Rio Grande do Sul in Porto Alegre. The principal topic of her studies in Brazil was the use of palynology for palaeoenvironmental and palaeoclimatic reconstruction on the coastal plains of southern Brazil. She also taught courses in Quaternary Palaeogeography and Quaternary Palynology. In this new country and climate, Svetlana soon became familiar with the local flora, creating a pollen atlas for the coastal zone and also filling the gaps in Brazilian palynology. She devoted much time and effort to the investigation of dune sediments. Besides pollen and spores in dunes, many types of non-pollen palynomorphs were studied. First of all, these were phytoliths that had not previously been used when studying Quaternary sediments of coastal part of Brazil. Besides phytoliths, Svetlana Medeanic studied cysts of dinoflagellates and acritarchs, coenobias and colonies of Chlorophyta, euryhaline and mixohaline diatoms, zygospores and fungal palynomorphs. Microforamenifera were particularly interesting objects of investigation on the Brazil coast. These palynomorphs may serve as indicators of sediment deposition in marine environments or in environments subject to marine influence. Prof. Medeanic passed on her experience and knowledge to numerous younger colleagues. She supervised graduate students and both Master's and Doctoral courses. In 2009, Svetlana became a permanent professor at the Federal University of Rio Grande in the Oceanography Institute. With characteristic enthusiasm, she started several new projects and teaching courses for students of oceanography, archaeology, and environmental engineering. Prof. Medeanic planned to begin

many further projects including involvement in the Pollen Monitoring Programme and the introduction of new methods of palynology to the archaeology of Brazil. Unfortunately she could not realize her plans, as she contracted a terrible illness. She struggled for life until the end, but her illness never abated. Prof. Medeanic was a Member of the Quaternary Association of the USSR, Member of the Quaternary Association of Moldova, Member of the Ukrainian Palaeontological Association, and Member of the Brazilian Association of Quaternary Studies over the years. She published numerous scientific articles, 5 books and 29 chapters in various books. Svetlana always lived an interesting and exceptionally creative life, although it was often difficult. She was a very sincere and friendly person, who leaves behind many grateful colleagues and students. She had a daughter Elena (living with her family in the Netherlands) and grandson Niek. This young boy inherited Svetlana's flow of spirits and helped her again and again to rehabilitate after numerous surgeries.

Some important publications

Medeanic, Svetlana, Torgan, C.L., Pinheiro Clerot, L.C., Bahi dos Santos, C. (2009): Holocene Marine Transgression in the Coastal Plain of Rio Grande do Sul, Brazil: Palynomorph and Diatom Evidence. *Journal of Coastal Research* 25: 224-233.

Medeanic, Svetlana (2006): Freshwater algal palynomorph records from Holocene deposits in the coastal plain of Rio Grande do Sul, Brazil. *Review of Palaeobotany and Palynology* 141: 83-101.

Medeanic, S., Sapozhnikov, I.V. (2006): The Late Paleolithic Bison Hunter site Bolshaya Akkartzha in the environment of the Southeastern Europe. *Eurasian Prehistory* 4 (1-2): 87-98.

Medeanic, S., Jankovska, V., Dillenburger, S.R. (2003): The implication of green algae (Chlorophyta) for palaeoecological reconstruction of the Holocene lagoon system in the Tramandaí lagoon region, Rio Grande do Sul, Brazil. *Acta Palaeobotanica* 43: 113-123.

Medeanic, S., Mikhailets, K. (1992): Palaeogeographical etaps and flora development during the Quaternary in Moldova.. Kishinev : Shtiintsa, Moldova, 132 pp.

Prof. Dr Eliso Kvavadze (Institute of Palaeobiology of Georgian National Museum, ekvavadze@mail.ru) & Dr Vlasta Jankovska (Institute of Botany, Academy of Sciences of the Czech Republic, Vlasta.Jankovska@ibot.cas.cz)

ANNOUNCEMENTS

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

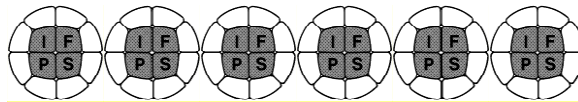
BERGEN MUSEUM
De naturhistoriske samlinger
Muséplass 3

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
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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 https://sites.google.com/site/aerobiologyinternational/	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://www.psj3.org/	Hikaru Takahara & Shinya Sugita (IFPS Vice-president)
Palynological Society of Poland	PSP	Ewa Durska
Palynologische Kring (Netherlands)	PK http://www.palynologischekring.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.tmsoc.org/paly.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:

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

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

