

PALYNOS

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NEWSLETTER OF THE INTERNATIONAL FEDERATION OF PALYNOLOGICAL SOCIETIES

MEETING ANNOUNCEMENT

XIIth IPC--2008 Bonn, Germany

The XIIth International Palynological Congress (IPC) Will be held in Bonn, Germany during Summer 2008. The organizer, Thomas Litt, is currently negotiating with various Congress Organizers and Congress Centres in order to obtain the best facilities and costings. When this has been completed we will announce the exact timing of the event and all details.

The XIIth IPC will be held in close conjunction with the next IOPC (International Organization of Palaeobotany Congress). The conferences will run back-to-back in the same location. It is anticipated that there will be some overlap with joint sessions on themes of interest for both palynologists and palaeobotanists. In addition, at least some of the excursions will be combined.

Bonn, the former capital of of the Federal Republic Germany, is a pleasant medium-sized university town. It has sufficient hotel accommodation in all price categories including a youth hostel.

Bonn is Beethoven's birthplace, and has a very rich history and cultural heritage. The university city is situated on the romantic Rhine River, and still preserves many traces from the Romans (dating back 2000 years), the Middle Ages, the Baroque, and the more recent period of rapid industrial expansion.

The city of Bonn and its surroundings offer excellent possibilities for a social programme for attending family members. The city of Cologne, with many other museums, is less than half an hour away.

Bonn can be reached very easily:-

by air:

--Frankfurt International Airport (c. 1 hour by high speed train link to Bonn)

--Düsseldorf International Airport (c. 40 minutes by train to Bonn)

--Cologne-Bonn Airport (this airport is served by many low-budget air carriers)

by train:

Bonn has excellent railway connections. It is situated on an important international north-south line, and many other connections are possible from the nearby city of Cologne.

The public transport system (subway, tramways and buses) in the city is very well organized.

Potential excursions include:

- Tertiary brown coal (e.g., Lower Rhine, eastern Germany)
- Tertiary Messel, Eckfeld
- Palaeobotany and Tertiary/Quaternary volcanism in the Eifel
- Jurassic in southern Germany
- Carboniferous and Lower Permian (e.g., Saar-Nahe, Thuringia, Saxony)
- Devonian (Rhenish Slate Mountains and adjacent regions)

See you in Bonn, Germany!

Prof. Thomas Litt (IFPS president)
 Institut für Paläontologie
 Universität Bonn
 Nussallee 8
 53115 Bonn, Germany
 E-mail: <t.litt@uni-bonn.de>

Prof. Hans Kerp (IOPC organizer)
 Institut für Geologie und Paläontologie
 Universität Münster
 Hindenburgplatz 57
 48143 Münster, Germany
 E-mail: <kerp@uni-muenster.de>

OTHER NEW COUNCILLORS

A current list of IFPS councillors is provided below. IFPS secretary-treasurer (Jiri Bek) and *PALYNOS* editor (Charles Wellman) should be informed of any errors or necessary changes.

The list of current IFPS councillors also includes information on website addresses for the various societies. Please inform the editor of changes to web addresses and information on new websites.

Current IFPS Councillors

Society	Acronym [website]	Councillor
American Association of Stratigraphic Palynologists	AASP [http://www.palynology.org]	Owen Davies
American Association of Stratigraphic Palynologists	AASP [http://www.palynology.org]	Jim Riding
Asociacion de Palinologos de Lengua Espanol	APLE [http://aple.usal.es]	Ramon Pérez i Obiol
Association de Palynologistes de Langue Français	APLF	Marie-Pierre Ledru
Association de Palynologistes de Langue Français	APLF	Nathalie Combourieu-Nebout
Arbeitskreis für Palaeobotanik und Palynologie	APP [http://www.uni-muenster.de/geopalaeontologie/palaeo/palbot/apptext.htm]	Rainer Brocke
Canadian Association of Palynologists	CAP [http://www.scirpus.ca/cap/cap.shtml]	Jean Nicolas Haas
Commission Internationale de Microflore du Paleozoique	CIMP [http://www.cimp.ulg.ac.be/]	Ken Higgs
Commission Internationale de Microflore du Paleozoique	CIMP [http://www.cimp.ulg.ac.be/]	Thomas Servais
Collegium Palynologicum Scandinavicum	CPS [http://palyno.net]	Dagfinn Moe
Gruppo di Palinologia della Societa Botanica Italiana	GPSBI	Laura Sadori
International Association for Aerobiology	IAA [http://www.isao.bo.cnr.it/aerobio/iaa/index.html]	Carmen Galán
Linnean Society Palynology Specialist Group	LSPSG	Guy Harrington
Organisation of Czech and Slovak Palynologists	OCSP	Olda Fatka
Palynologisch Kring (Netherlands)	PK [http://www.geo.vu.nl/~palkring]	Henry Hooghiemstra
Palynologists and Plant Micropalaeontologists of Belgium	PPMB	Philippe Steemans
Palynological Society of China	PSC	Huaicheng Zhu
Palynological Society of Japan	PSJ [http://wwwsoc.nii.ac.jp/psj3/top.htm]	Yuichi Takahashi
Palynological Society of Poland	PSP	Malgorzata Malkiewicz
Russian Palynological Commission	RPC	Olga Dzyuba
Russian Palynological Commission	RPC	Elena Bezrukova
The Micropalaeontological Society: Palynology section	TMS [http://www.nhm.ac.uk/hosted_sites/tms/paly.htm]	Ian Harding
Turkish Committee for Palynology	TCP	Zutu Bati
International Union of Geological Societies	IUGS	Lucy Edwards
International Union of Biological Societies	IUBS	Jacques-Louis de Beaulieu
IFPS President – Thomas Litt		
IFPS Past President - Owen Davis		
IFPS Secretary-Treasurer - Jiri Bek		
IFPS Editor of PALYNOS – Charles Wellman		

Societies on hold		
Asociacion Latinoamericana de Paleobotanica y Palinologia	ALPP	
International Association for African Palynology	AIPA/IAAP	
Palynological and Palaeobotanical Association of Australia	PPAA	
Philippine Palynological Society	PPS	
Palaeobotanical Society, Lucknow	PSL	

FUTURE MEETINGS

“8th International Congress on Aerobiology”

Neuchâtel, Switzerland

21-25 August 2006

The next International Association for Aerobiology (IAA) Quadriennial Congress, the 8th International Congress on Aerobiology (8th ICA), will be on the theme “Aerobiology: towards a comprehensive vision”. It will be held 21-25 August 2006 at Neuchâtel, Switzerland. The deadline for abstracts is 3 February 2006 and the deadline for early registration is 30 April 2006.



Further information and registration details are available on the following website:
<www.aerobiology.ch>.

Further information is also available from either:

Carmen Galan (IAA President & 8th ICA Secretary general)
Universidad de Córdoba
Campus Universitario de Rabanales
E-14071 Córdoba

Espanã

e-mail: <bvlgasoc@uco.es> .

Bernard Clot (8th ICA Chairperson)

MeteoSwiss

Les Innuardes

CH-1530 Payerne

Switzerland

e-mail: <Bernard.clot@meteoswiss.ch>

“2nd International Workshop on Quaternary Non-Pollen-palynomorphs (Extrafossils)”

Innsbruck, Austria

27-30 August 2006

The non-pollen palynomorphs (NPPs; also called extrafossils by some of us) get more and more important in palynological and palaeoecological research when, for example, trying to disentangle the impact of climate and man on former ecosystems. During the first International workshop, organized by A. Prager & H. Joosten (and colleagues) in Greifswald (Germany) in March 2005, that was attended by scientists from eight countries, it became clear that algal cysts, fungal spores, parasite eggs, zoological remains such as *Neorhabdocoela* oocytes (among lots of others) all contribute to our knowledge of such disciplines as climate change, former biodiversity, human impact and eutrophication processes during the Quaternary.

For the second International workshop in Innsbruck we therefore plan the following:-

- (i) Several key-lectures on important NPP-groups and their interpretation;
- (ii) Practical classes and training sessions on selected NPP-groups utilizing prepared microscope slides;
- (iii) Oral and poster presentations by the

workshop participants on their published or ongoing NPP-projects, as well as on their known or unknown (!) NPPs during photo identification sessions;

(iv) A training session on how to take good photos of NPPs;

(v) Discussion concerning identification literature, a possible digital NPP-database, a possible NPP-discussion forum, future workshops/symposia etc.

Further topics are welcome!

So, please bring your own material, in the form of oral and/or poster presentations, photo sessions, microscopic slides, digital pictures, specific literature etc. (laptop and beamer for powerpoint presentations, slide projectors as well as microscopes and binoculars will be available during the workshop). NPP-beginners are of course also welcome to join the workshop and to bring their own material!

The workshop itself will take place at the Institute of Botany near the city center of Innsbruck (see <<http://botany.uibk.ac.at/>> for map) and will start on Monday 28 August at 9 am. The end of the workshop is scheduled for Wednesday 30 August at 12 am. The workshop language will be English.

Announcement!
2nd International Workshop on
Quaternary Non-Pollen-Palynomorphs
(‘Extrafossils’)
University of Innsbruck - Department of Botany
August 27-30, 2006
Discuss your NPP’s/extrafossils and bring your own material
on microscopic slides or photos!

Microscopic images of various microfossils with labels: Fungal spore indet., Microthlypsium, Fungal spores indet., Chlamydomonas sp. (Cyst), Chlamydomonas (cyst) (Agoate), Paracymbella, Microthlypsium armiger, Microthlypsium (cyst), Microthlypsium (cyst), Ustilina deusta, and Botryococcus.

The total registration costs for the Workshop-only-Registration will be € 30, and will include the abstract volume, coffee/tea/sweeties, as well as the official Workshop-Botanical-Garden-Dinner on August 29. Travel and Lodging must be organized independently

(<<http://www.innsbruck-tourismus.com/>> for hotels, <www.youth-hostel-innsbruck.at/> for youth hostels; Innsbruck is easily reached by

train, car and air (low-cost airline:

<<http://www.skyeurope.com/>>; normal-priced airlines (sometimes with good deals) serving Innsbruck from most European capitals and

bigger towns: <<http://www.aua.com/>>,

<<http://www.welcomeair.com/>>,

<<http://www.lufthansa.com/>>,

<<http://www.britishairways.com/>>), but please be aware that August is holiday season, so make

your reservations early!

We are sorry, but for the moment it looks like we are unable to provide funding for attendance at the conference.

However, for participants who would like to stay at a reasonably-priced hotel slightly outside Innsbruck (ca. 15 min. from the workshop by public transport; ca. 5 min. by car) we have made a number of room reservations and can propose a special priced “workshop package” for a total of € 150, which includes 3 overnights in double/triple occupancy (with breakfast) from 27-30 August, a welcome drink and 3-course-evening dinner on 27 August, the abstract volume, coffee/tea/sweeties, as well as the official Workshop-Botanical-Garden-Dinner on 29 August. The Students-Workshop package will be € 130 and will comprise the same items as above (in quadruple room occupancy).

If you would like to attend please contact Jean Nicolas Haas at the address below. The second circular containing further details about the workshop and about the submission of abstracts will be sent to registered persons only.

It would be very nice to welcome you in Innsbruck!

Many greetings and kind regards

Jean Nicolas Haas

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Dept. of Botany
Division of Palynology, Systematics and Geobotany
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A-6020 Innsbruck
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Tel.: +43-512-5075958

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E-mail: JEAN-NICOLAS.HAAS@UIBK.AC.AT

“CIMP General Meeting”

Prague, Czech republic

4-6 September 2006

The next CIMP General Meeting will convene in Prague, the capital of the Czech republic. The meeting is open to all palynologists interested in any aspects of Palaeozoic palynology. The scientific program will include symposia, contributed talks, posters, poster sessions, and meetings of working groups, associated with workshops.



This meeting will be immediately followed, at the same venue, by the 7th European Palaeobotany-Palynology Conference (see below).

The following pre-conference and post-conference field trips are planned:-

3rd September 2005:- pre-conference fieldtrip to the Proterozoic to Ordovician of the Barrandian area.

6th September:-Post-conference fieldtrip to the Silurian and Devonian GSSPs of the Barrandian area.

Organizing committee:-

Jiri Bek (Institute of Geology, Academy of Sciences of the Czech Republic, Rozvojova 135, 165 00 Prague 6, Czech Republic. E-mail: <mrbean@gli.csa.cz>.

Jirina Daskova (Institute of Geology, Academy of Sciences of the Czech Republic, Rozvojova 135, 165 00 Prague 6, Czech Republic. E-mail: <daskova@gli.csa.cz>.

Oldrich Fatka (Charles University Prague, Institute of Geology and Palaeontology, 128 43Prague 2, Czech republic. E-mail: <fatka@natur.cuni.cz>.

Further information and registration details are available on the following website: <<http://www.cimp2006.wz.cz>>.

“7th European Palaeobotany-Palynology Conference”

Prague, Czech Republic

6-12 September 2006

This meeting is open to all scientists interested in any aspect of the plant fossil record. It will be held in the faculty of Civil Engineering of the Czech Technical University in Prague. The scientific programme will include symposia, contributed papers, poster sessions, and meetings of working groups (associated with workshops). This conference will include meetings of the IOP, the NEMCLIME project, IGCP project 469. It will be immediately preceded, at the same venue, by the CIMP General Meeting (see above). The following pre-and post-meeting fieldtrips are planned:-

6th September: Lower Palaeozoic of the Barrandian area (O. Fatka).

12-13th September: Excursion 1 to the Carboniferous of Central Bohemia (J. Psenicka & M. Libertin); Excursion 2 to the Cretaceous of Central Bohemia (J. Kvacek); Excursion 3 to the Tertiary of NW Bohemia (J. Sakal & Z. Kvacek); Excursion 4 to the Czech Quaternary (P. Pokorny & V. Jankovska).

Further details and registration details are available at the following website: <<http://www.conference.cz/eppc2006/>>.

Inquires to the general secretary Stanislav Oplustil (e-mail: <eppc2006@nature.cuni.cz>).



“XV International APLE Symposium of Palynology”

Benalmadena Costa, Malaga, Spain

18-21 September 2006

Dear Colleagues:

As organisers of the XV International APLE Symposium of Palynology, we are glad to inform you that we are preparing a congress in which all kind of contributions related to Palynology will be welcome. We hope this event is a meeting point and discussion forum for all palynologists. Symposia include: Pollen and Spore Morphology; Aerobiology; Palaeopalynology; Melissopalynology; Pollen Biology.

We are making every effort to ensure that participants can enjoy a true holidays at the same time that they attend the scientific activities. Benalmadena is situated in the very centre of the "Costa del Sol" (southern Spain), one of the main tourist resorts in Europe, enjoyed by millions of tourist that visit us every year. September is still summer time and will allow you to enjoy the sun and beaches together with all kind of activities in the open air, offered by the numerous facilities that you will find in the locality, even if you are accompanied by children.

The hotel Alay we have chosen for the Symposium is situated at the very edge of the sea, by Puerto Marina, which is considered to be the most beautiful yacht port in the World. If we have sufficient accompanying persons we will organise a series of complementary activities

such as trips to Gibraltar, Granada and the nearby village of Mijas, famous for its typical white houses, "burro-taxis" and handicraft shops. You also will have the opportunity of visiting the Picasso Museum in Málaga.

Please, fill in the pre-registration form before 15th January and we will keep you informed.

Further details and registration forms are available at the following website:
<<http://www.15aple.uma.es>>

Kind regards. We wait for you.

M. Mar Trigo
Organising committee.

“39th AASP Annual Conference”

Philadelphia, Pennsylvania, USA

22-25 October 2006

The 39th AASP Annual Conference will be held in conjunction with the Geological Society of America (GSA) meeting in Philadelphia. AASP is co-sponsoring four Topical Sessions. These will include invited speakers, but will consist largely of volunteered papers. Members whose research falls within the topical sessions' remit are encouraged to submit abstract earmarked for these sessions. The deadline for abstract submission is 12th July 2006. Abstracts will be submitted through GSA. AASP will also hold at least one social event in Philadelphia.

The four AASP co-sponsored topical sessions:-

Topical Session 127: Scales of instability in tropical environments (convened by Chris Hunt).

Topical session: “Ice house”/ “hot house”-an analysis of Late Palaeozoic floras and their response to global climate change (co-convened by Cortland Eble, Thomas Demchuk and Hermann Pfefferkorn).

Topical session 21: Holocene sequences of environmental disasters: the terrestrial and marine palynological record (convened by Owen Davis).

Topical session 108: Stratigraphic palynology: applications to geologic problems (co-convened by Doug Nicols and Bob Cushman).

Further details of the meeting are available at the following website:
<<http://www.geosociety.org/meetings/2006/index.htm>>.

Linnean Society Palynology Specialist Group (LSSPG) Autumn meeting “Progress in Palynology”

London, UK

26 October 2006

This is a general meeting to be held from 10.00 am-5.00 pm at the Linnean Society in Piccadilly, London. It is open to everyone with an interest in palynology. Offers of talks are welcome. The meeting is free but there will be a cash charge on the day of £1 per serving of tea and coffee. If you wish to attend please contact Carol Furness (c.furness@kew.org). The Linnean Society Palaeobotany Specialist Group will hold their Autumn Meeting in the same location on the day before organized by Peta Hayes (Natural History Museum, London).

“14th Symposium of the International Work Group for Palaeoethnobotany”

Kracow, Poland

17-23 June 2007

This meeting will involve 3 days of technical sessions at the Geological Survey in Lisbon,

We are pleased to invite you to the 14th IWGP Symposium

Local organisers

Dr. Aldona Bieniek (W. Szafer, Institute of Botany, Polish Academy of Sciences, Kraków) &

Dr. Marek Nowak (Institute of Archaeology, Jagiellonian University, Kraków)

Email: iwgp@dlg.krakow.pl

Consultative group

Prof. K. Wasylkowa

Dr. M. Badura, Prof. J. Chochorowski, Dr. M. Hajnalová, Dr. J. Jarosińska, Dr. L. Kubiak-Martens, Dr. M. Lityńska-Zajac, Prof. Z. Mirek, Dr. A. Wacnik

Location

Kraków : *Pałac Larischa*, Bracka 12

Registration Fee

95 € (includes symposium dinner and excursion)
It is our intention to reduce the Registration Fee for students.

Language

English. Proceedings will be published in *Vegetation History and Archaeobotany*

Themes:

Regional Archaeobotany

Regional studies; Archaeobotany in environmental reconstructions.

Methods and Analytical archaeobotany

Methodology, Taphonomy, Molecular analyses, Qualitative and quantitative analyses.

Crops and Crop cultivation

Spread of farming, Gathering and cultivation, Crop diversity.

Ethnobotany

Collection, Husbandry and use of wild plants, Traditional agricultural methods.

Open session

Other subjects

Two afternoons will be devoted to *laboratory demonstrations* for the examination and presentation of archaeobotanical material and *poster sessions*.

Field excursion

View to different aspects of landscape and anthropogenic vegetation in the loess areas of Małopolska Upland and a selection of archaeological sites in the region. Transport by bus will be provided. Maps and other details will be given in the second circular in December 2006 and on the web site.

Accommodation

Accommodation will be arranged at the hotels of the city within 10 minutes walking distance to the meeting centre and in hostel located at a distance of 15/20 minutes by tram. Every room in the hostel is equipped with bathroom and breakfast can be served.

Web site

Information regarding the 14th symposium, location, travel, excursion etc. will be available via the IWGP web site (<<http://www.palaeoethnobotany.com>>) which will be updated as regularly as possible. Copies of this circular and the registration form are also directly available on the web site: (<<http://www.ib-pan.krakow.pl/iwgp/>>).

Registration

Deadline for preliminary registration is **15th September 2006**. The Registration Form is enclosed to this announcement or can be downloaded from the web site. Hard copies can be posted to the following address:

IWGP Symposium,
Institute of Botany, Polish Academy of Sciences,
Lubicz 46,
PL 31-512 Kraków,
Poland
Tel. 0048 12 4241705
Fax 0048 12 4219790

or e-mail to: iwgp@dlg.krakow.pl

“2nd meeting of the CIMP Spores & Pollen Subcommittee”

Lisbon, Portugal

September 2007

This meeting will involve 3 days of technical sessions at the Geological Survey in Lisbon, followed by a 2 day post-meeting field trip to the Pyrite Belt (palynostratigraphic contributions to understanding the Iberian Pyrite Belt).

The meeting will be organized by INETI (Portuguese Geological Survey) and the University of Algarve. For details and expressions of interest please contact Zélia Pereira (e-mail: <zelia.pereira@ineti.pt>).

ANNOUNCEMENTS

AASP journal *PALYNOLOGY* to be included in the Science Citation Index

Palynology, the journal of the IFPS society "American Association of Stratigraphic Palynologists" (AASP), is to be included in the Science Citation Index. On 14th November 2005 AASP received official notification of the inclusion of *Palynology* in Thompson Scientific's Institute for Scientific Information (ISI) abstracting service. Thus, as of 2005, *Palynology* will be included in the Science Citation Index (SCI) administered by Thompson Scientific. It will also be included in the following Thompson Scientific products: Science Citation Index-Expanded (SCIE) including the Web of Science, ISI Alerting Service, and current contents/Physical, Chemical & Earth Sciences (CC/PC&ES). The AASP newsletter also reports that the AASP Board of Directors is considering increasing the annual number of parts per volume to two.

New URL for the Duxbury (1983) online database of Cretaceous dinoflagellate cysts

As a consequence of restructuring of the webpages of the Natural History Museum, London, the URL for the Duxbury (1983) online database of Cretaceous dinoflagellate cysts has changed. The new URL is : <<http://www.nhm.ac.uk/research/curation/projects/duxbury/>>.

Change of address for the Commission Internationale de Microflore du Paleozoique (CIMP) website

The website of the IFPS society CIMP has had a change of address. It is now hosted by the Université de Liège (Belgium) with Philippe Steemans the new webmaster. The new web address is: <<http://www.cimp.ulg.ac.be/>>.

APLF news

Nathalie Combourieu-Nebout informs us that the IFPS affiliated society, the APLF, has a new council. This is as follows: President (Thomas Servais), Vice-President (Nathalie Combourieu-Nebout), Treasurer (Severine Fauquette), Secretary (Didier Galop), Council members (Agnes Gauthier, Vincent Lebreton, Jean Nicolas Haas, Maria Fernanda Sánchez Goñi), Foreign member (Susanne Feist-Burckardt).

New web site

Maria Suarez informs us of a new web site developed by the Pllen Allergens Research Group (<<http://www.pollen.org.es>>).



Curation of palynological collections

All palynologists are keenly aware of the importance to our science of properly curated collections that are easily and openly available for study by fellow palynologists. In cases where palynologists retire from institutions (be they university departments, museums, other research organizations, or industry) and are not replaced, it

is imperative that their palynological collections continue to be housed and curated properly—and as palynologists it is our responsibility to ensure that this happens.

In AASP Newsletter Vol. 38, No. 4, p.8 (December 2005) David Jarzen reports that two important collections have been transferred to the Florida Museum of Natural History (FLMNH), Paleobotany and Palynology Laboratory, Gainesville, Florida, USA. The collections are a modern pollen reference collection prepared by Alfred Loeblich (1919-1994) while at the Chevron Oil Field Research Company and Jurassic-Cretaceous spore-pollen assemblages from western Canada collected by Stanley Pocock (1928-2004) while at Imperial Oil. Further details are provided in the AASP newsletter (see above) or by contacting David Jarzen <dmj@flmnh.ufl.edu>.

Advanced Aerobiology Course 2006 (AA2006) “Pollen dispersal in an Alpine environment”

Advanced Aerobiology Course 2006 (AA2006) “Pollen dispersal in an Alpine environment” will be held from 14th-19th August 2006 near Sion, Switzerland. For further details go to the following website:

<<http://www.meteosuisse.ch/web/en/weather/health/pollen/AA2006.html>>.

Aerobiologia : Call for papers

Aerobiologia is an international medium for the publication of original, full-length research papers and review articles in the interdisciplinary fields of aerobiology and interaction of human, plant and animal systems on the biosphere. Subjects covered include: bioaerosols, transport mechanisms, biometeorology, climatology, air/sea interaction, land-surface/atmosphere interaction, biological pollution, biological input to global change, microbiology, aeromycology, aeropalynology, arthropod dispersal and environmental policy. Emphasis is given to subjects linked to aerobiology such as: respiratory allergology, plant pathology, pest management, biological weathering and biodeterioration, indoor air quality, air-conditioning technology, industrial aerobiology and cultural heritage.

The journal is of interest to aerobiologists and related scientists and professionals working in fields such as medicine, public health, industrial and environmental hygiene, biological sciences, agriculture, atmospheric physics, botany, environmental science and cultural heritage.



Call for Papers

International Journal of *Aerobiology*
including the online journal '*Physical
Aerobiology*'

Editor-in-Chief:
Carmen Galán Soldevilla
*Dept. of Plant Biology (Botany), University of
Córdoba, Spain*

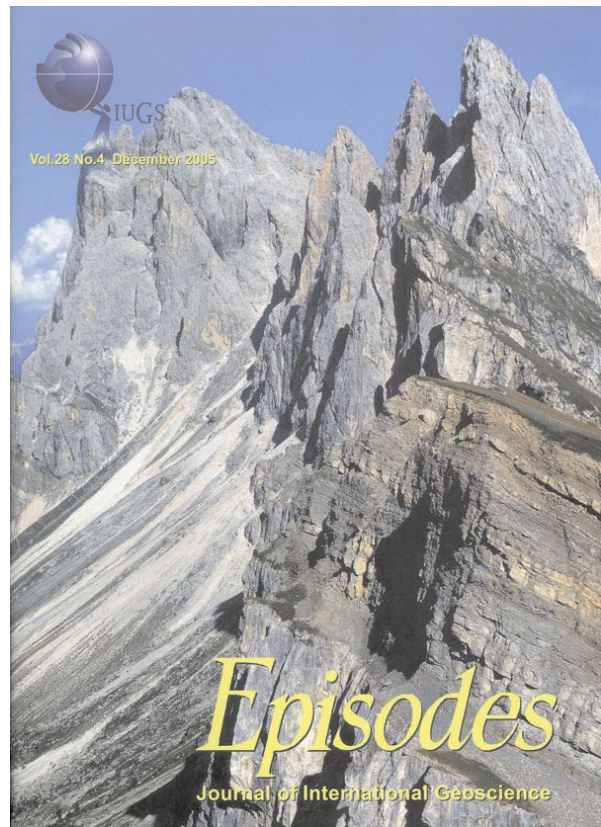
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IUGS journal *EPISODES*

The IFPS is an affiliated organization of the International Union of Geological Sciences (IUGS). Godfrey Nowland, chair of the IUGS Publications Committee, is conducting a campaign to promote the IUGS journal *Episodes*, and has asked us to display the following information on the journal.



Episodes is the official quarterly journal of the International Union of Geological Sciences (IUGS – www.iugs.org). It covers developments of regional and global importance in the earth sciences and is distributed worldwide in four issues (March, June, September and December) each about 80 pages long. The journal is likely the most widely distributed earth science journal since copies go to more than 150 countries worldwide. Articles cover a wide range of earth sciences and authors are from all over the world. The content is of interest to a broad audience of

professional earth scientists having diverse cultural and linguistic backgrounds. Whether you live in the developing or developed world, you will find lots of content of interest. Published articles include current reviews, new results from research projects of more than local significance, and discussion of the infrastructure of science, including techniques, research programs, organizations, science policy, or technical assistance. The journal offers earth scientists:

- authoritative articles that reflect worldwide research advances and evolving trends in geoscience disciplines;
- a forum for information exchange within the global earth-science community;
- book reviews by experts in your field;
- news about activities sponsored by IUGS and its affiliates;
- a comprehensive calendar of future international geoscience events and training opportunities; and
- concise reports concerning results of international meetings, conferences, and symposia.

Episodes welcomes thoughtful contributions in the topical areas listed above. Please consult the *Episodes* web site for submission guidelines (<http://www.episodes.org/>). Feel free to direct further inquiries concerning preparation and submittal of manuscripts and illustrations, special requirements, and pre-press processing to the *Episodes* staff whose contacts are listed on the web site.

Recent and current issues of the journal can be viewed on-line at <http://www.episodes.org/>. The printed version of the journal can be yours for the very reasonable annual subscription rate of US\$24.00. A subscription order form is published regularly in the journal itself and you can also subscribe by contacting the editorial office by mail at:

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credit cards including Diners, JCB, Visa, American Express and Mastercard are also accepted.

NEW BOOKS

Recent advances in applied biostratigraphy edited by A. J. Powell & J. B. Riding

IFPS society "The Micropalaeontological Society" (TMS) has begun a new series of books. TMS Special Publication No. 1 is "Recent developments in applied biostratigraphy" and is edited by two palynologists: Jamie Powell and Jim Riding. It contains a number of chapters either directly exploring palynological analyses or applicable to palynologists interested in biostratigraphy in that they explore general principles of biostratigraphy.

The provided description of the book is as follows: "In recent years the application of biostratigraphy to hydrocarbon exploration and development has become increasingly important both scientifically and economically. The demand for higher stratigraphical resolution in field development studies has resulted in the utilization of new approaches. However, in under-explored areas with little reliable primary biostratigraphical data, conventional methods using relatively coarse biozonations still have relevance. The aim of this volume is to encourage an exchange of ideas and to seed new research initiatives particularly within integrated multidisciplinary teams. The papers are divided into four main themes which cover a broad range of modern applications of biostratigraphy. The first three themes are : UK North Sea Field development; outcrop analogues; and international exploration and development. The final section discusses new methodologies, such as the application of correspondence analysis and multivariate correlation of wells, and palynological processing techniques applicable to wellsite. "

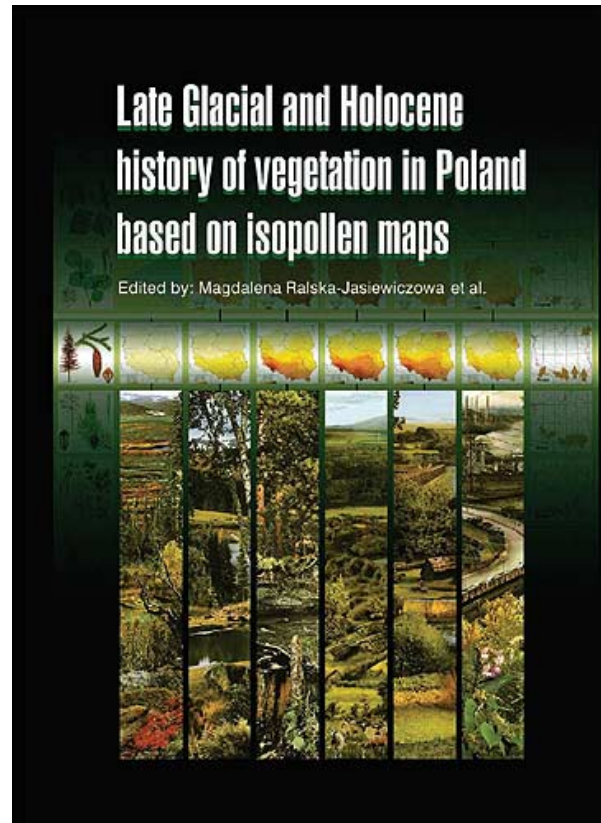
Further online details (including a full list of chapters) and information on how to order the book online are available at the following website: <<http://www.geolsoc.org.uk>>.

“Recent developments in biostratigraphy” was published in November 2005 by the Geological Society of London on behalf of The Micropalaeontological Society. 256 pages. Price £85.00 (pounds sterling). ISBN 978-1-86239-187-1.



Late Glacial and Holocene history of vegetation in Poland based on isopollen maps *edited by M. Ralska-Jasiewiczowa and M. Latalowa, K. Wasylikowa, K. Tobolski, E. Madeyska, H. E. Wright Jr. & C. Turner*

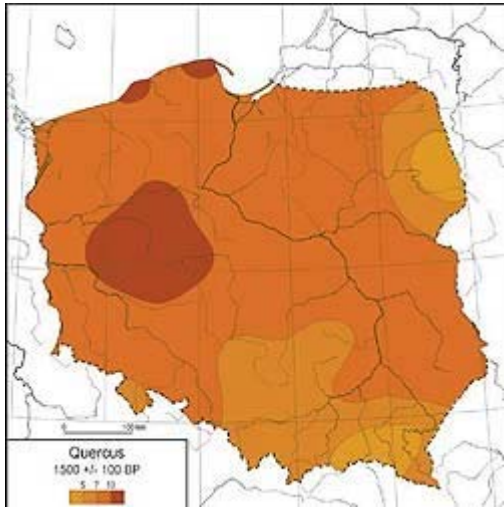
This book aims to present the migration histories of all main trees and some selected shrub and herb taxa on the territory of Poland during the last 14,000 ¹⁴C years BP (ca. 15,500 cal years) based on isopollen maps. The area is particularly interesting in this respect due to its location in the transition zone between the Atlantic and continental climate of Europe crossing with the southern and northern climatic influences.



The isopollen method was first proposed by Professor W. Szafer, a famous Polish botanist, palaeobotanist and plant geographer, 70 years ago (Szafer 1935). The method was, however, long forgotten due to difficulties of dating and correlating pollen sequences. In recent decades, development of dating methods and enormous advances in numerical techniques, has allowed Szafer’s isopollen maps to be translated into a precise tool for the study of vegetation dynamics and syntheses of in the field of historical plant geography.

Twenty seven Polish Holocene palynologists have contributed to the preparation of the book. It presents dot and colour isopollen maps of 24 taxa of trees and shrubs and 14 herb taxa. The sets of maps for each taxon are described and analyzed, and supplemented with information about their present day distribution in Europe and in Poland, their ecological requirements, pollen production and dispersal, and expansion in Europe during the Late Glacial and Holocene. The summary chapters discuss the processes of vegetational changes during the Late Glacial, Early Holocene, Mid Holocene, Late Holocene and the youngest section of the Late Holocene (showing the influence of increasing human pressure).

The book will be of interest for palaeoecologists and plant geographers, and also archaeologists, forestry specialists, geographers and other representatives of the Earth Sciences. It should facilitate mapping of potential natural vegetation and planning the recultivation of areas affected by human impact.



“Late Glacial and Holocene history of vegetation in Poland based on isopollen maps” was published in 2005 by the W Szafer Institute of Botany, Polish Academy of Sciences. 444 pages, 295 x 205 mm, fully illustrated with 125 colour figures. Price 98.00 Euros. ISBN 83-89648-23-7.

The book may be ordered from: Publishing Office, W. Szafer Institute of Botany, Polish Academy of Sciences, Lubicz 46, PL-31-512 Cracow, Poland (e-mail: ed-office@ib-pan.krakow.pl). Payments by credit card (Visa, Eurocard, Mastercard) or remittance to: Bank PKO S.A. I ODDZIA KRAK W, Account No. 11124014311978000010475443.

Carnets de Géologie-Notebooks in Geology, Brest, Memoir 2005/02 (Pre-Cambrian to Palaeozoic Palaeopalynology and Palaeobotany edited by P. Steemans & E. Javaux)

This new "memoir" (CG2005 M02) has been published online since 31st December 2005: Steemans P. & Javaux E. (Editors.- Pre-Cambrian to Palaeozoic Palaeopalynology and Palaeobotany. It comprises a set of 14 abstracts and short papers (extended abstracts) of presentations given during a meeting organized

by the NFSR Working Group, "Micropaléontologie végétale et Palynologie (MVP)", held on May 11, 2005 at the University of Liège, Belgium.

Memoir 2005/02 (CG2005_M02), 77 p., 25 fig., 3 pl. is available at the following website : <http://paleopolis.rediris.es/cg/uk-index.html#NEW>. If you are not already subscribed to Carnets de Géologie-Notebooks on Geology you can do so free of charge at the following website : <http://paleopolis.rediris.es/cg/uk-registration.html>.



Contents:

- 1- Breuer P., Al-Ghazi A., Filatoff J., Higgs K.T., Steemans P. & Wellman C.H. [2005]- Stratigraphic palynology of Devonian boreholes from Northern Saudi Arabia.
- 2- François L., Grard A. & Goddérés Y. [2005]- Modelling atmospheric CO2 changes at geological time scales.
- 3- Gerrienne P., Meyer-Berthaud B. & Fairon-Demaret M. [2005]- The significance of Runcaria (Middle Devonian, Belgium) in the evolution of seed plants.
- 4- Golubkova E. & Raevskaya E. [2005]- Main changes in microfossil communities during the Upper Proterozoic of Russia.
- 5- Javaux E.J. & Marshall C.P. [2005]- Tracking the record of early life.
- 6- Prestianni C. [2005]- Early diversification of seeds and seed-like structures.

7- Raevskaya E. [2005]- Diversity and distribution of Cambrian acritarchs from the Siberian and East-European platforms - a generalized scheme.

8- Ribecai C., Bagnoli G., Mazzarini F. & Musumeci G. [2005]-Paleontological evidence for Late Cambrian in the Arburese area, SW Sardinia.

9- Rubinstein C.V. [2005]- Ordovician to Lower Silurian palynomorphs from the Sierras subandinas (Subandean ranges), northwestern Argentina: a preliminary report.

10- Strel M. & Hartkopf-Fröder C. [2005]- Late Famennian correlation by miospores between the Refrath 1 borehole (Bergisch Gladbach-Paffrath Syncline, Germany) and the reference section of Chanxhe (Dinant Syncline, Belgium).

11- Vanguetaine M. & Brück P.M. [2005]- A Middle Cambrian age for the Ediacara fauna from the Booley Bay Formation, County Wexford, Ireland: new acritarch data and its implications.

12- Vanmeirhaeghe J., Yans J., Prétat A., Grassineau N. & Verniers J. [2005]- New evidence for the Hirnantian (Upper Ordovician) in Belgium? An integrated isotopic, biostratigraphical and sedimentological approach.

13- Vecoli M., Lehnert O. & Servais T. [2005]- The role of marine microphytoplankton in the Ordovician biodiversification event.

14- Wauthoz B. [2005]- Correlation and biostratigraphy of the Kortrijk (Sint-Antonius) and Kortrijk (Lust) boreholes (early Silurian, Belgium).



Paléobotanique
Paléopalynologie
Micropaléontologie

IN MEMORIAM

Arlette Leroi-Gourhan (1913-2005)



Mrs Arlette Leroi-Gourhan passed away on 25 April 2005. Mrs. Leroy-Gourhan was born in 1913. She was involved in prehistoric archaeology and worked in close collaboration with her husband, the famous archaeologist Professor André Leroy-Gourhan, on pollen deposition in caves and other prehistoric sites such as Arcy-sur-Cure in France and other sites in the Middle-East. Mrs. Leroy-Gourhan began her career in palynology in 1955 at the National Museum of Natural History in Paris, in the laboratory headed by Dr. M. Van Campo. In 1962 she developed her own pollen unit dedicated to archeological palynology at “Musée de l’Homme” where she worked in collaboration with Michel Girard. She was an active member of the Association of French Speaking Palynologists (APLF) and of the International Association for Quaternary Studies (INQUA). Mss Arlette Leroi-Gourhan was always very enthusiastic about her

work and had an impressive list of publications consisting of about 200 papers.

Selected publications:

- LEROI-GOURHAN Arl., 1960 – Flores et climats du paléolithique récent. *Extrait du compte-rendu du Congrès préhistorique de France*, Monaco, 1959, p. 1-6, 1 tabl.
- LEROI-GOURHAN Arl., 1962 – La grotte de Lascaux. Extrait de la 88^e session extraordinaire, *Bulletin de la Société Botanique de France*, 1962, Tome 109, p. 91-95.
- LEROI-GOURHAN Arl. et A., 1965 – Chronologie des grottes d'Arcy-sur-Cure (Yonne). *Gallia préhistoire*. Tome VII, 1964, CNRS, Paris, p. 1-64, 28 fig.
- LEROI-GOURHAN Arl., 1965 – Les analyses polliniques sur les sédiments de grottes. *Bulletin de l'Association française pour l'Etude du Quaternaire*. 1965-2, p. 145-152, 2 fig.
- LEROI-GOURHAN Arl., 1968 – Le Néanderthalien de Shanidar. Extrait du C.R.S.M., n°3, 1968, p. 79-83, 1 fig.
- LEROI-GOURHAN Arl., 1971 – VII. Analisis polinico de Cueva Morin. In : *Cueva Morin. Excavaciones 1966-1968*. Publicaciones del Patronato de las Cuevas Prehistoricas de la Provincia de Santander. Santander 1971, p. 359-365, 1 fig.
- LEROI-GOURHAN Arl., 1973 – Analyses polliniques, préhistoire et variations climatiques quaternaires. In : *Colloques internationaux du C.N.R.S. N°219 – « Les méthodes quantitatives d'étude des variations du climat au cours du Pléistocène »*, 5-9 juin 1973, Extrait p. 61-66, 1 fig.
- LEROI-GOURHAN Arl. et RENAULT-MISKOVSKY J., 1977 – La palynologie appliquée à l'archéologie ; méthodes, limites et résultats. In : « Approche écologique de l'Homme fossile » (Dir. : H. Laville et J. Renault-Miskovsky). Chapitre III. Paléobotanique. *Suppl au Bulletin de l'Association Française pour l'Etude du Quaternaire* n° 47, p. 35-49, 6 fig. H.T.
- LEROI-GOURHAN Arl., GIRARD M., 1979 - Analyses polliniques de la Grotte de Lascaux. *Lascaux inconnu*. XII^e suppl. *Gallia-Préhistoire*, p. 75-80.
- LEROI-GOURHAN Arl., GIRARD M., 1979 - Chronologie pollinique de quelques sites préhistoriques à la fin des temps glaciaires. *Colloque International CNRS n° 271, Talence, La fin des temps glaciaires*, t. 1, p. 49-54.

- LEROI-GOURHAN Arl., 1980 – Interstades würmiens : Laugerie et Lascaux. *Bulletin de l'Association française pour l'Etude du Quaternaire*, 1980-3, p. 95-100, 2 fig.
- LEROI-GOURHAN Arl., 1980 – Les analyses polliniques au Moyen-Orient. *Paléorient*, vol. 6, 1980, p. 79-91, 3 fig.
- LEROI-GOURHAN Arl., 1985 – Les pollens et l'embaumement. In : *La momie de Ramsès II*. Ed. Recherches sur les Civilisations, 1985, p. 163-165, 2 fig.
- LEROI-GOURHAN Arl., 1991 – La préhistoire du Japon dans ses phases climatiques. *Anthropologie*. XXIX – 1-2, p. 115-122, 10 fig.
- LEROI-GOURHAN Arl., 1992 – Bois et pollens : étude complémentaire. *Bulletin de la Société botanique de France*, 139, Actualités botaniques (2-3-4), p. 273-280, 1 fig.
- LEROI-GOURHAN Arl., 1997 – Chauds et froids de 60 000 à 15 000 B.P. . *Bulletin de la Société Préhistorique Française*, 1997, Tome 94, n° 2, p. 151-160, 3 fig.
- LEROI-GOURHAN Arl., 1999 – Shanidar et ses fleurs. *Paléorient*. vol. 24/2, C.N.R.S. – Editions, 1999, p. 79-88, 4 fig.
- LEROI-GOURHAN Arl., THIEBAULT S., 2003 - La végétation lors du Magdalénien. *La grotte de la Vache*, vol. 1 : *Les occupations du Magdalénien*, p. 63-71.

Josette RENAULT-MISKOVSKY

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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>