



Commission Internationale de Microflore (Microfossiles Organiques) du Paléozoïque

NEWSLETTER
15
APRIL 1977

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CONTENTS :

- page 2 : - CALL for candidates to 1978-1982 Secretary General mandate.
- CIMP ATLAS OF CARBONIFEROUS MIOSPORES, a subscription form to return before September 1977.
- 3,4 : International Palynological Colloquium, LEÓN, Spain, list of Paleozoic announced contributions.
(Abstracts deadline is May, 15th 1977 !)
- 5,6 : I.U.G.S. Working group on Precambrian biostratigraphy, an analysis of the answers to the questionnaire.
- 7 : Meeting of other societies.
- 8 : I C P News.

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CIMP ATLAS OF CARBONIFEROUS MIOSPORES

Members of the working group dealing with the Carboniferous Atlas had a short reunion in Lille on January 27th, 1977. A last meeting is planned in England, end of June.

The formal presentation of this work will be done in the León symposium and the manuscript immediately sent to the Netherlands for printing in the "Mededelingen Rijks Geologische Dienst vol. 29".

This paper will contain about 30 pages of text, figures and charts, 30 plates, providing an illustration of typical miospores arranged in stratigraphical occurrences (one plate for each zone) and one enclosure with a detailed zonation from the Upper Famennian to the Autunian. It is expected to be out end of 1977.

The Atlas will be sold, through CIMP, at the very low, subscription price of BF 150 (4 US \$), to those who have subscribe before 15th September 1977. After that date, only few copies will be available from the Geological Survey of the Netherlands, at considerably higher price.

Therefore, we recommend you to immediately send back the following form to Dr. M. STREEL, Paleontology, University, 7, place du XX Août, B-4000 LIEGE, Belgium.



CIMP ATLAS OF CARBONIFEROUS MIOSPORES

I subscribe for ... copy(ies) of the CIMP Atlas of Carboniferous Miospore, at the subscription price of BF 150 (4 US \$).

I enclose a cheque of

NAME :

ADDRESS :

to be sent to Dr. M. STREEL, Paleontology, University, 7 place du XX Août, B-4000 LIEGE, Belgium.

CALL FOR CANDIDATES TO 1978-1982 SECRETARY GENERAL MANDATE

Following our rules (See Newsletter 13, June 1976), the present Secretary General is not reeligable. Consequently a call is made here for candidates to this office.

Nominations are acceptable if

- a- the candidate is an active member for several years
- b- proposed by at least three different laboratories.

The Deputy Secretary which has been elected in 1976, will be automatically one of the two candidates retained for election.

Deadline for presentation of candidates : 1st September 1977.



NAME

PROFESSIONAL ADDRESS

wishes to present as candidate for election to the 1978-1982 CIMP Secretary General Mandate ...

.....

TO SEND BACK TO Dr. M. STREEL, Paleontology - University, 7 place du XX Août, B-4000 LIEGE.

INTERNATIONAL PALYNOLOGICAL COLLOQUIUM,
LEON, SPAIN, FROM 5 TO 10 SEPTEMBER 1977

Paleozoic Miospore Stratigraphy

BLESS, M.J. & STREEL M.: Indications for an Upper Westphalian hinterland microflora in the Netherlands.

Alpern, B.; Lachkar, G.; & Loboziak, S.: Palynologie du Bassin Houiller d'Agadet (Niger).

ALPERN, B., LACHKAR, G., & LOBOZIAK, S.

Owens, B.J.: Palynological subdivision of Dinantian to Westphalian deposits in Western Europe and the Donetz Basin of the U.S.S.R.

Richardson, J.B.: Tentative scheme of miospore zones for some Silurian and Devonian sequences in the northern hemisphere.

Cachán, L.J.: Asociaciones de miosporas de León, España.

Cachán, L.J.: Atlas de las miosporas carboníferas del Noroeste de la Península Ibérica.

Rodríguez, R.M.: Zonación por miosporas del Silúrico y devónico inferior del Noroeste de la Península Ibérica.

Azcuy, C.: Sobre la Palinología del Gondwana inferior de Argentina.

Chi, B.I.: Stratigraphic significance of Devonian megaspores in the Canadian Arctic.

Allen, K.C.: Some important Devonian megaspores.

Gamero, J.C.: Megasporas pérmicas del subsuelo de la provincia de Córdoba, Rep. Argentina.

Doubinger, J. & Breutin, J.: Palynologie du bassin stéphanien de Guadalcanal (Espagne).

Rodríguez, R.M.: Miospore assemblages of the Upper Silurian and Lower Devonian of León and Oviedo, Spain.

Wilson, L.R.: Palynological succession patterns of the Pennsylvanian coal swamps of Oklahoma, U.S.A.

Raskatova, L.G.: Upper Devonian miospores of the central part of the Russian Platform.

Turnau, E.: Spore zonation of the Dinantian of NW Poland.

Krawczynska-Grocholska, M.: Carboniferous microflora from the region between the Sudetes and the Baltic, Poland.

Possible participants:

Van der Zwan, C.J.: Devonian/Carboniferous, Ireland.

Van Veen, P.M.: Devonian/Carboniferous, Ireland.

Taylor, T.M.: Ultrastructure of Carboniferous pollen.

Sergacheva, L.A.: Some peculiarity of Famennian-Tournaisian microfloras from the Dniepr-Donetz Basin.

Nadler, Y.S.: Spores and microplankton of the Devonian deposits of the Siberia.

Moreau-Benoit, A.: Spores du Dévonien inférieur du Massif Armoricain.

Kaiserová-Kalibová, M.: Westphalian spore stratigraphy (CSR).

Jachowicz, A.: Viséan Miospores of Lublin Basin.

Fisk, L.H.: Carboniferous palynofloras from Nevada and Oregon, U.S.A.

Cross, A.T.: not given.

Clayton, G.: Irish Devonian and Carboniferous miospore assemblages.

Permo-Triassic

Srivastava, S.C.: Permo-Triassic palynofloral transition in Indian Subcontinent.

Felix, C.: Status of Triassic palynology in the Canadian Arctic Islands.

Doubinger, J., & Adloff, M.C.: Palynologie du Trias: Luxemburg, France, Portugal.

Adloff, M.C.: La Palynologie du Trias: Luxembourg, France, Portugal.

Egorov, A.I.: Climatic and botanic zoning on the boundary of Permian and the Mesozoic era in European part of the USSR.

Rosemary A. Kyle: Permian and Triassic palynology of the Beardmore Glacier area of Antarctica.

Possible participants:

Staplin, F.L.: Triassic zonation, Canadian Arctic Archipelago.

Warrington, G.: not given.

Visscher, H.: Permian-Triassic palynology.

Traverse, A.: Triassic of Eastern N. Amer.

Tiwari, R.S.: Mifloral pattern through Permo-Triassic in India.

Taugourdeau, Ph & J.: Trias.

Schuurman, W.M.L.: Rhaetian palynology.

Pedersen, R.: Rhaetic palynology.

Klasen, J.J.: Triassic palynology of Luxemburg.

Fisher, M.J.: Triassic palynology of N.E. Spain.

Falcon, R.M.S.: Permo-Triassic microfloras of Southern Africa.

Van der Eem, J.G.L.A.: Triassic palynology of N. Italy.

Beccini, P.F.: Triassic palynology of Spain.

(d : participation doubtful)

Acritarchs

- Fombella, M.A.: Sucesión de acritarcos en el Cámbrico Medio y Superior de la Cordillera Cantábrica.
- Fombella, M.A.: Zonación del Cambro-Ordovícico de León y Asturias.
- Hill, P.J.: Evolutionary trends within the Silurian acritarch genera *Deufflia* and *Domasia*.
- Fournier-Vinas, C.: Acritarches cambro-ordoviciens des Monts de l'Est de Lacauze (Montagne Noire, France). *Annales pour servir au service géologique de France*.
- Smith, D.G.: New palynological results from the Lower Paleozoic rocks of Ireland.
- Cramer, F.H.: Silurian acritarchs from Spain and North Africa: comparison.
- Díez, M.d.C.R.: Acritarcos del Devónico Inferior de la Península Ibérica y regiones limítrofes.
- d Jacobson, S.R.: Acritarch assemblages of Middle and Upper Ordovician rocks in the Cincinnati region, U.S.A.
- d Kalvacheva, R.: Acritarchs from three Lower Paleozoic formations in the West Balkan Mountains, Bulgaria.
- d Chaiffetz, M.S.: Formgroups of *Multiplicisphaeridium denticulatum*.
- Possible participants:
- Al Ameri, T.K.: Silurian Palynomorphs from Libya.
- Brooke, A.: Paleozoic acritarchs probably either Lower Silurian or Lower Middle Devonian.
- Rahmani, K.: Etude palynologique du Paléozoïque de la région de Rabat (Maroc).
- Sheshegova, L.I.: Acritarchs from Siberian Platform (USSR).
- Trause, H.: Acritarchs in North-European flint boulders.
- Urban, J.B.: Paleozoic acritarchs.
- Venkatachala, B.S.: Acritarchs - Precambrian - Early Cambrian.

Chitinozoa

- Locquin, M.: Fossil fungi of the earlier Paleozoic.
- Tasch, P.: Chitinozoans in situ in the Pennsylvanian (Virgilian) of Kansas, U.S.A.
- Laufeld, S.: Paleoeecology of Silurian chitinozoans.
- Paris, F.: Les chitinozoaires de la Formation de Louredo, Ordovicien supérieur du Sinclinal de Bugaco, Portugal.
- Wright, R.P.: Chitinozoans from the Middle Devonian of the Midwestern United States of America.
- Grahn, Y.: Chitinozoans and the Ordovician-Silurian boundary in southern Sweden.
- Díez, M.d.C.R.: Quitinozoos devónicos del Noroeste de España.
- Chaiffetz, M.S.: Ordovician Chitinozoans.
- d Ahab, A.: Les chitinozoaires de l'Ordovicien supérieur de l'île d'Anticosti, Québec, Canada.
- Possible participants:
- Mierzejewski, P.: Transmission electron microscopy study on some Chitinozoa and Chitinozoa-like organisms.
- Bockellie, T.: Chitinozoa.

For additional information about the Colloquium contact:
Mailing Address: I. I. P., Apartado 244, León, Spain.

ALL ABSTRACTS MUST BE RECEIVED
AT THIS ADDRESS BY MAY 15, so that
they may be printed and distributed prior
to September 1977.

IUGS WORKING GROUP

ON PRECAMBRIAN BIOSTRATIGRAPHY

Answers to questionnaire. (See CIMP Newsletter 14, Dec. 1976)

32 replies received.

Materials used

Petrographic thin sections	21
Macerations	18
Polished thin sections	8
Polished sections	8
Multiple sections for reconstruction	12
Acetate peels	2

Methods used

Light microscope, transmitted light	29
Light microscope, reflected light	14
Scanning electron microscope	15
X - ray microanalysis in SEM	5
X - ray microanalysis in probe	4
Transmission electron microscope	3
Ultra violet fluorescence microscopy	2
Wet chemistry	2
Infrared spectroscopy	2
Gas chromatography/mass spectrometry	2
Image analysis	2
Computer simulation	2
X - ray diffraction	1
X - ray radiography	1
Ion probe	1
Pyrolysis/ozonolysis	1
Cathodoluminescence	1
Energy dispersive spectrometers	1
Field studies	2

Main stratigraphic area of interest

3.7 - 2.5 x 10 ⁹ years	6
2.5 - 1.9 x 10 ⁹ years	11
1.9 - 1.2 x 10 ⁹ years	12
1.2 - 0.8 x 10 ⁹ years	17
0.8 - 0.6 x 10 ⁹ years	20
0.6 - present	17

Lithologies worked with

Carbonates	17
Shales	17
Cherts in carbonates	11
Other cherts	7
Banded Iron Formation	5
Sandstone	5
Siltstone	5
Arenites & wackes	3
Clays	2
Uraniferous pyrite deposits	1

Fossils studied

Stromatolites	17
Microfossils	23
Animal body fossils	8
Animal trace fossils	8
Plant trace fossils	6
Plant body fossils	6

Major interests

Biostratigraphy	30
Palaeoenvironmental studies	18
Evolution of life	16
Palaeobiology	15
Origin of life	10

A.P.L.F. and Dutch PALY. KRING.

SYMPOSIUM «APPORT DES TECHNIQUES RECENTES EN PALYNOLOGIE»
LIEGE, 19-23 septembre 1977

Sous l'égide de l'Association des Palynologues de Langue Française (A.P.L.F.) et le Cercle de Palynologie de la Société Royale de Géologie et des Mines des Pays-Bas.

Jusqu'à présent, 27 communications sont prévues. Au vu des titres annoncés, on peut regrouper les sujets de la majorité des communications en 2 thèmes principaux, à savoir :

- 1 - microscopie électronique (M.E. B. et M.E. T.)
ROLAND-HEYDACKER F. et CARBONNIER M. Cl. ; PARIS F. ; FERGUSON I.K. ; CALLEN D. ; NABLI M.A. ;
AUDRAN J.C. ; LE THOMAS A. ; LUGARDON B. ; GUINET P. et VAN CAMPO M.
- 2 - méthodologie et/ou informatique appliquées soit à la taxinomie, soit aux relations polymorphes/sédiments.
LAYKA S. ; NAMBUDIRI V. et STREEL M. ; REILLE M. ; DENIZOT J. ; SUC J.P. ; GROS R. ; COUR P. ;
KIEVITZ J. ; SOMERS Y. et STREEL M. ; SCHUMACKER-LAMBRY J. ; CHATEAUNEUF J.J. et REYRE Y.

Divers

PIERART P. ; CAPATINI C. ; de BEAULIEU J.L. et REILLE-M. ; HERNGREEN G.F.W.

A.A.S.P.

TENTH ANNUAL MEETING OF A.A.S.P.
TULSA, OKLAHOMA
OCTOBER 19-22, 1977

The American Association of Stratigraphic Palynologists will hold its 10th Anniversary Annual Meeting at the Fairmont Mayo Hotel, Tulsa, Oklahoma, on October 19-22, 1977. The Meeting will include symposia on graphic correlation techniques and Quaternary palynology, technical sessions, and a Pennsylvanian field trip. For further information contact Dr. Leonard E. Eames or Dr. Richard W. Hedlund, Amoco Production Company, Research Center, P. O. Box 591, Tulsa, Oklahoma 74102, U.S.A.

INTERNATIONAL UNION OF GEOLOGICAL SCIENCES
(IUGS)

COMMISSION ON STRATIGRAPHY

A Working Group on the Devonian-Carboniferous Boundary has been recently established. Next activities are scheduled in connection with the International Congress on the Devonian System to be held at Bristol, September 1978.

Officers are :

Chairman :
Dr. E. Paproth

Vice-Chairman :
Prof. Dr. E.A. Reitlinger

Secretary :
Prof. Dr. M. Streef

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ICP NEWS

26 Jan 77

2

1. Status of this letter. Because the new President of ICP (Al Traverse) was not able to be in Lucknow, the Officers' hand-over is not yet complete. This letter is to explain the current position particularly to those who were also unable to go to India.

2. Lucknow Report (ICP)

(a) ICP General Assembly (4 Jan 77) approved the ICP Constitution in the form of the Draft Constitution (October 1976) already circulated.

(b) ICP General Assembly (4 Jan 77) was informed of and approved the election of Professor Alfred Traverse (Pennsylvania State University) to be President of ICP from 5 Jan 77.

(c) Invitations for the Fifth Conference were received from the United Kingdom (The Royal Society), and from the University of Calgary. ICP General Assembly indicated a preference for the Fifth Conference to be held in the United Kingdom (probably in Cambridge) in 1980.

(d) ICP New Council Members were announced (elected by their R/N/S Societies) as follows: AASP, A.Traverse + 1; APLW C.Carattini and J.-J.Chateaneuf; Arbeitkreise, Hilda Grebe; BMS (UK), J.B.Richardson; CPS, S.Nilsson; Palaeobot.Soc.India, Vishnu Mittre; Paly. Kring (Netherlands), C.R.Janssen; Paly. Soc. CSSR, B.Paeltova; Paly. Soc. India, P.K.K.Mair; Paly. Soc. USSR, E.D.Zaklinskaya, L.Rovnina. CIMP offered two observers, C.Downie and H.Visscher but their status will be discussed by the New Council.

(e) Constitutional and other proposals raised in Assembly at Lucknow are being passed to the new Council for consideration.

(f) Minutes of the ICP General Assembly of 4 Jan 77 (taken by Dr. Marjorie Muir) are enclosed.

3. Lucknow Report (Fourth Conference)

(a) Inaugural meeting was held on 29 December 1976 at the Birbal Sahni Institute for Palaeobotany, Mrs. Sahni, Professor Sadavisan (Chairman of the Institute), Dr. Surange (Director of the Institute) and Dr. Khoshoo (Director of the National Botanical Gardens) attended this meeting and most of the other general meetings. Dr.D.C.Bharadwaj was presented with his insignia as General President of the Conference for Scientific and administrative matters' by ICP President (NFH).

(b) Attendance was approximately 100 foreign palynologists with 25 accompanying members, and 150 Indian members. Professor van Zinderen Bakker and Dr. J.A.Goetema were unable to attend because of visa difficulties.

(c) Indian Government visits. The Conference was visited and addressed by both the Minister for Petroleum, Shri K.D.Malaviya, and the Minister for Energy, Shri K.C.Pant.

(d) Scientific sessions. Six divisions of the Conference (see Third Circular) each held a number of symposia and other sessions in the Birbal Sahni Institute or very close nearby. At most times there were at least three meetings running simultaneously. A majority of the announced papers were given although there were a number of late cancellations. Plenary session lectures were given by: B.Alpern, C.P.Malik, R.W.McElhinny, D.Lal, J.R.Rowley and V.V.Sastri; other public lectures were given by D.C.Bharadwaj, N.F.Hughes, P.P.Jonker, T.N.Khoshoo and P.N.Mehra.

(e) Field trips. Two successful pre-Conference field trips were held (Madras and Northwest India). Four post-Conference field trips were in the areas of Madras, Calcutta, Central India and Northwest India.

(f) Appreciation. At the valedictory meeting (5 Jan 77), sincere appreciation was expressed by ICP President, Dr. Sah and several other speakers to Dr. D.C.Bharadwaj and all those from BSI and from other institutes who supported him in running the Conference.

4. Thanks to retiring Secretary/Treasurer. Marjorie Muir has just completed five years faithful work in my and your support as Secretary/Treasurer of ICP, from which she now retires. I have personally appreciated her most valuable contribution very much, and I am sure 'Old Council' members will join me in this and in wishing her good fortune in future enterprises.

5. Old Council. Seven of the twelve 'Old Council' members retire (D.C.Bharadwaj, K.Faegri, P.P.Jonker, M.D.Muir, J.Muller, M.I.Heustadt and G.Norris), and I wish to record how patient, understanding and co-operative they and the five continuing members have been in their long service to ICP.

N. F. Hughes
Past President