

NEWSLETTER

AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS, INC.

VOLUME 9

MARCH 1976

NUMBER 2

Richard L. Pierce, Editor
David R. Mishell, Assoc. Editor

Eleanora I. Robbins, Correspondent
Eloy Salas, Correspondent

MID-YEAR EXECUTIVE COMMITTEE MEETING

AASP's Board of Directors will hold its mid-year meeting at the Le Baron Hotel, 1055 Regal Row, Dallas, Texas, on April 8th and 9th. The business meetings will be from 8:30 a.m. to 4:30 p.m. on the 8th and 8:30 a.m. to 12 noon on the 9th. Any interested member may attend. Following is a tentative agenda for the meeting:

1. Approval of Executive Committee Minutes, Houston Annual Meeting
2. Secretary's Membership Report
3. Treasurer's Report
4. Editor's Report
5. Annual Meeting Discussions:
 - a. 1975 Houston meeting, final report
 - b. 1976, Halifax, Nova Scotia
 - c. 1977, Tulsa, Oklahoma
 - d. Future meeting site proposals
6. Old Business:
 - a. International Affairs Committee Report
 - b. Financial Development Committee Report
 - c. Tenth Anniversary Commemorative Volume, status report
 - d. International Palynological Commission Report
 - e. Other old business
7. New Business

* * * * *

AASP 9TH ANNUAL MEETING, HALIFAX

Response to the questionnaire on attendance etc., for the 1976 AASP/CIMP meeting in Halifax, Nova Scotia, October 12-16, has been satisfactory. One hundred and seven people have indicated their probable attendance, and returns are not in from CIMP at this writing.

To keep mailing costs to a minimum, only those people who have responded will receive further circulars, including the call for papers which was mailed out March 1st. If you wish to remain on the mailing list, please do not fail to return your questionnaire to Sedley Barss.

Program arrangements are well advanced. All the chairmen have indicated their acceptance and several invited speakers have agreed to participate. The program presently reads:

Tuesday, October 12th

A.M. - Acritarch Forum
Convenors: Charles Downie and Paul Hill

P.M. - Dino Update
Convenor: Bill Evitt

Evening - Executive Committee Meeting

Wednesday, October 13th

Continental Drift and Floral Provincialism
Chairman: Herbert Sullivan

A.M. - Invited paper: Nick Rast, Univ. of New Brunswick
Invited paper: Mary Dettman

Four twenty-minute papers

P.M. - Chairman: George Hart
Three twenty-minute papers

Invited paper: Composite Standard Time - F. X. Miller
Three twenty-minute papers

Evening - Smoker

Thursday, October 14th

Paleozoic Palynology (Carboniferous)
Chairman: Bernard Owens

A.M. - Invited paper
Six twenty-minute papers

P.M. - General Palynology
Chairman: Al Traverse

Invited paper
Six twenty-minute papers

Friday, October 15th

Paleozoic Palynology (Devonian)

Chairman: Maurice Streef

A.M. - Invited paper
Five twenty-minute papers

P.M. - Annual luncheon

Palynology of Continental Margins

Chairman: Serge Jardine

Invited paper: John A. Wade, Geol. Surv. Can.
Five twenty-minute papers

Evening - Executive Committee Meeting

Saturday, October 16th

Field Trip

* * * * *

AASP 1975-1976 MEMBERSHIP DIRECTORY

The new directory was mailed from Tulsa on February 11, 1976. All members should have received a copy by now. The directory was compiled by David R. Mishell and he has sent us the following comments regarding it:

1. Directory check

Please take the time to check your listing in the alphabetic and geographic sections of the new directory. If the information is not correct, or is incomplete, please take the time now to send in a corrected listing. (A form is provided for this purpose on the last page of each Newsletter - please print or type and send to Rick Pierce, AASP Editor, for publication in the Newsletter).

2. Production of the Directory

The 425 listings in this year's directory represent an increase of almost 14% compared to last year. The present level of membership makes it very difficult and time consuming to re-create the directory from scratch each year - without mistakes or typographical errors.

This year the directory was created from a deck of punched cards that were used during the year to make address labels. These

data were loaded into a computer file and the correcting, editing and format design were completed at an interactive computer terminal. After final editing the data were electronically transferred to magnetic cards which are used to drive and control an automatic typewriter. The final pages were produced on this typewriter ready for printing.

All the data for the directory are now in permanent magnetic storage and will be updated periodically through the year. The next directory can be typed automatically, and rapidly produced with minimal human activity in the process.

* * * * *

PALYNOLOGICAL SOCIETIES

D. C. McGregor, who is AASP's Committee on International Affairs, has compiled a list of various palynological, or palynologically oriented, societies and their secretaries. This list could be very useful to you, so we suggest you save it. If you know of any palynologically oriented societies that have been missed, Colin and the Newsletter would like to know.

REGIONAL AND NATIONAL SOCIETIES

American Association of Stratigraphic Palynologists

Secretary: Dr. J. D. Burgess, Gulf Research & Development Corp.
Exploration Div., Drawer 2038
Pittsburgh, Pennsylvania 15230, U.S.A.

Arbeitskreis für Paläobotanik und Palynologie

Secretary: Dr. F. Schaarschmidt, Senckenberg-Museum,
Senckenberganlage 25, D-6 Frankfurt am Main,
West Germany.

Asociacion Latino-Americana de Paleobotanica y Palinologia

Secretary: Dr. Rafael Herbst, Facultad de Ciencias Exactas y Naturales
Y Agrimensura, U.N.N.E., 9 de Julio 1449
Corrientes, Argentina.

Association des Palynologues de Langue Francaise

Secretary: Dr. C. Caratini, Centre E'Etudes de Géographie
Tropicale CNRS, Domaine Universitaire de Bordeaux,
33 405 Talence, France.

Collegium Palynologicum Scandinavicum

Secretary: Dr. Siwert Nilson, Palynologiska Laboratoriet,
Stockholms Universitet, Lilla Frescati,
S-10405 Stockholm 50, Sweden.

Palaeobotanical Society of India

Secretary: Dr. D. C. Bharadwaj, Birbal Sahni Institute of
Palaeobotany, 53 University Road, Lucknow 7,
India.

Paleobotanical Section, Botanical Society of America

Secretary: Dr. David L. Dilcher, Dept. of Botany,
Indiana University,
Bloomington, Indiana 47401.

Palynological Society of India

Secretary: Prof. P. K. Nair, National Botanic Gardens,
Lucknow, India.

Palynologische Kring (KNGNG)

Secretary: Dr. G. F. W. Herengreen, Rijks Geologische Dienst,
Spaarne 17, P.B. 157, Haarlem, The Netherlands.

Palynological Committee for Africa

Secretary: Dr. J. A. Coetzee, Institute for Environmental Sciences
University of O.F.S., Bloemfontein, South Africa.

Palynological Division of the British Micropaleontological Group

Secretary: Dr. M. C. Boulter, Dept. of Biological Science,
North East London Polytechnic, Romford Road,
London E15 4LZ, England.

USSR Commission on Palynology

Secretary: Dr. E. D. Zaklinskaya, Palynology Laboratory,

Geol. Inst. Acad. Sci. USSR, 109017
Moscow 17, Pyzhevsky 7, USSR

INTERNATIONAL ASSOCIATIONS

Commission Internationale de Microflore du Paléozoïque

Secretary: Dr. M. Streeel, Paléobotanique et
Paléopalynologie, Université, 7 Place du
XX Août B-4000, Liège, Belgium.

International Association for Aerobiology (IAA)

Secretary: Dr. H. D. Frinking
Laboratory of Phytopathology
Binnenhaven 9
Wageningen, The Netherlands

International Commission for Palynology

Secretary: Dr. M. D. Muir, Geology Dept.
Royal School of Mines, Prince Consort Road,
London, England SW7 2BP

International Organization for Paleobotany

Secretary: Dr. Hans Tralau
The Swedish Museum of Natural History
S-104 05 Stockholm, Sweden.

* * * * *

NEW ORGANIC DIAGENESIS PUBLICATIONS

Two new publications have appeared that are indispensable to workers in the burgeoning field of optical organic diagenesis analysis:

1. Petrographic de la Matière Organique des Sediments, edited by Boris Alpern. It can be obtained directly from:

Edition du C.N.R.S.
15 Quai Anatole France
Paris 75700, France

The price on direct order is 130 FF, about \$29.00 U.S., postage paid. It can be obtained from:

Scientific and Medical Publications of France, Inc.
111 West 57th Street, Suite 1216
New York, New York 10019

Attn: G. G. Juéry

Mr. Juéry's price is \$33.80 U.S., plus shipping, but he eliminates hassle with UNESCO coupons and International money orders. An individual paying by personal check is better off ordering directly.

2. The second edition, in English, of Stack's textbook of Coal Petrology, published by Gebrüder Borntraeger, Berlin, 1975, can be ordered through your local book source. It costs \$48.00 U.S., and we think it is worth every penny. It is really up-to-date.

* * * * *

GEOLOGIE EN MIJNBOUW, SPECIAL PALYNOLOGY NUMBER

G. en M., the Journal of the Royal Geological and Mining Society of The Netherlands, has devoted Vol. 53, number 6, Nov./Dec., 1974, entirely to

palynology; 14 papers in all. The price is Dfl. 40, about \$14.00 U.S. The volume can be purchased from:

Princo
P. O. Box 9
Culemborg, The Netherlands

* * * * *

CIMP NEWSLETTER

The Commission International de Microflora du Paléozoïque publishes an excellent, technically oriented Newsletter, which can be obtained by becoming a member of the organization. Annual dues are \$4.00 U.S. Canadian and American members can send their dues to Jan Jansonius; overseas members should send their dues to M. Streel. The addresses of these gentlemen are in the AASP directory.

* * * * *

IOP NEWSLETTER

The International Organisation of Paleobotany is intending to publish a quarterly paleobotanical newsletter. According to Hans Tralau, who will be editor:

"The NEWSLETTER is expected to contain any information on regional bibliographies, their price and from whom they could be obtained. It will give biographic news as well as notices of any future meetings of palaeobotanical interest and reports on those recently held. The editor of the Newsletter shall also try to supply annual bibliographic lists emanating from his continuing work on the Bibliography and Index to Palaeobotany and Palynology, at self cost price."

The annual subscription price is \$4.00 U.S., and should be sent to:

The International Organisation of Paleobotany
Hans Tralau Secretary-General
The Swedish Museum of Natural History
S-104 05 Stockholm, Sweden

Dave Dilcher has volunteered to gather and forward news items from North America.

* * * * *

* * * * *

NORTH AMERICAN PALEONTOLOGICAL CONVENTION II

AASP is one of the sponsors of NAPC-II which will be held at the University of Kansas, Lawrence, Kansas, on August 8, 9 and 10, 1977. Following is a list of the symposia and symposia organizers. Any questions should be directed to Evan Kidson, AASP's representative on the NAPC-II Committee, or the symposium organizer(s).

Phylogenetic Models. Joel Cracraft and Niles Eldredge.
Animal Colonies. Frank McKinney and Robert Jull.
Biological Changes Near the Mesozoic-Cenozoic Boundary. Norman D. Newell.
Fossil Plankton and Paleobiogeography. W. C. Cornell and Bilal U. Haq.
Evolution of Functional Complexes. John Rensberger.

Faunas of the Burgess Shale. H. B. Whittington.
Evolutionary Biology of Foraminifera. Jerre H. Lipps.
Reproductive Biology of Fossil Plants. T. N. Taylor.
Nomenclature and Taxonomy of Trace Fossils. C. K. Chamberlain and A. A. Ekdale.
Growth Lines. George R. Clark III.

Plate Tectonics and Paleontology. Robert M. West.
Cretaceous of Northern Temperate Areas. Erle G. Kauffman and Donald E. Hattin.
Modeling Diversity. Stephen Jay Gould.
Functional Morphology. Richard E. Grant.
Biostratigraphy vs. Depositional Models. J. D. Harper

Echinoderm Paleontology. James T. Sprinkle.
Permo-Carboniferous Faunas and Biostratigraphy. E. C. Olson.
Community Paleoecology. W. B. N. Berry, A. J. Boucot, Jane Gray.

* * * * *

PALEOECOLOGICAL SECTION, E.S.A.

Allen Soloman has proposed formation of a section within the Ecological Society of America, the purpose of which would be "to encourage research and to sponsor meetings for the communication of results in all phases of paleoecology". A meeting to discuss formation of the section will be held during the course of the E.S.A. Annual Meeting in New Orleans, May, 1976. Anyone interested in affiliating with the proposed section is requested to express their interest to Allen, whose address is in the directory.

* * * * *

* * * * *

BSA PALEOBOTANICAL SECTION MEETING

The Paleobotanical Section of the Botanical Society of America will meet May 30 through June 4 at Tulane University in New Orleans. According to Dave Dilcher, there are 52 contributed papers on this year's program. In addition, there will be a three day paleobotanical field trip to Early Tertiary plant fossil localities in East Texas. Anyone interested in either the meeting or field trip should contact Dave.

* * * * *

1976 AAPG-SEPM CONVENTION

The joint AAPG-SEPM meeting will be held in New Orleans, May 24-26. This is the 50th Anniversary of the SEPM and many special events are planned. The symposium this year is entitled: "Paleoclimatic Indicators in Sediments".

* * * * *

SEVENTH AFRICAN MICROPALAEONTOLOGICAL COLLOQUIUM

Serge Jardine's announcement for this colloquium arrived too late for inclusion in the December Newsletter; consequently, the deadline for papers is long past. But it will be held at the University of Ife, Ile Ife, Nigeria, from March 28 through April 8. Serge will chair the palynological portion of the colloquium.

* * * * *

ICP GROUP P3 REPORT

The second report of ICP Working Group P3 (Palynological Correlation close to the Jurassic/Cretaceous Boundary) is now ready for distribution. It has been sent to members of CIP Group P3, and non-members may receive a copy by writing to Stan Pocock. (Address in the directory.)

* * * * *

* * * * *

LSU DINOFLAGELLATE SHORT COURSE

George Hart has organized a short course on dinoflagellates that will be presented in the School of Geoscience at LSU, May 17-21. Evan Kidson and Graham Williams will be the featured lecturers. Enrollment in the course is limited to 25. Anyone wishing additional information should contact George. (Address in the directory.)

* * * * *

SUBSTITUTE FOR CLEARCOL

Sedley Barss has informed us that the palynology laboratory at the Geological Survey of Canada in Dartmouth, Nova Scotia, has come up with a formula for a mounting medium that is now used by them on a routine basis. Intentions are to publish the formula and preparation techniques. In the meantime, anyone interested can acquire the formula by contacting Sedley. (Address in the directory.)

* * * * *

POLLEN SLIDE EXCHANGE OFFER

David Jarzen wishes it known to all AASP members that he has a collection of modern pollen slides available for exchange purposes. A listing has been prepared for the material available, and will be sent to those people who will be willing to establish an exchange program with the National Museums of Canada. The usual system of a slide for slide exchange will be employed. At the present time the exchange material (mostly tropical and subtropical species with emphasis on the Proteaceae, Loranthaceae, Berberidaceae, and Palms) numbers about 800 species, but is growing rapidly.

David would also like to make a request for reprints on modern pollen (especially angiosperm) morphological studies. He hopes to eventually establish a reprint collection for the National Museums of Canada to compliment the collection of prepared pollen material. (Address in the directory.)

* * * * *

* * * * *

COMPOSITAE POLLEN REQUEST

A. Spencer Tomb, who has been working on exine stratification of pollen in living Compositae, would like to obtain samples containing fossil Compositae pollen - the older the better. If anyone has found samples in which Compositae pollen are sufficiently abundant to make hand-picking practical, they are requested to contact:

Dr. A. Spencer Tomb, Assoc. Prof.
Division of Biology
Kansas State University
Manhattan, Kansas 66506

* * * * *

EXTINCTION

Some of you may have missed the following letter in the June, 1975, issue of Geotimes. It was written by Jack Satkowski of Missoula, Montana. We lament that Mr. Satkowski did not mention the kind of trees the dendrochronologists had studied.

"Further research on the three large fossil pterosaurs found in Texas has revealed some startling facts concerning their life style, and reason for extinction.

Aerospace engineers at NASA have stated that a flying reptile with a wingspan of over 12 m could not easily get airborne and probably spent its entire life soaring. Computer experts at M.I.T. have just completed a pioneering study entitled 'A Statistical Analysis of Long Bone Orientation of a Late Cretaceous Pterosaur Wreckage'. The researchers conclude that the close proximity of the three fossils is the result of a 'mid-air' during mating season. Recent findings of fossil pterosaur egg fragments with hailstone imprints have shed light on how the perennial soaring reptile hatched her eggs. Apparently, when ready to hatch her egg the pterosaur flew high over a cumulus cloud, dropping her eggs through it. The eggs while passing through the cloud would be cracked open by large hailstones, releasing the young pterosaur, probably an initial wingspan of 3.6 m, to fly on its way. The reason for these large reptiles' extinction was found by dendrochronologists studying fossil trees of the Late Cretaceous period. It is generally agreed that during a dry spell in Late Cretaceous time there were no cumulus clouds for 42 years!"

Unbeknownst to Mr. Satkowski, those trees produced Proteacidites pollen, so palynologists can confirm the 42 year period. Can't we?

* * * * *

* * * * *

NEW MEMBERS

AASP is pleased to welcome the following new members:

Carr, David R., 3805 Forestglen Drive, La Crescenta, California 91314.
Tel. (714) 287-5341, office; (213) 249-3716, home.

Edwards, Lucy, Department of Earth Sciences, University of California
at Riverside, Riverside, California 92502. Tel. (714) 682-0931.

Harper, Howard, Jr., Department of Geological Science, Harvard University,
Cambridge, Massachusetts 02138. Tel. (617) 495-2470.

Hart, Suchit S., 783 De Barr Avenue, Norman, Oklahoma 73069. Tel.
(405) 321-9305.

Krancer, Anthony E., 2730 South Chautauqua, Apt. 320, Norman, Oklahoma
73069. Tel. (405) 364-9939.

Kruchek, David A., 1512 Southern Heights, Norman, Oklahoma 73069.
Tel. (405) 329-9932.

Powers, Carol Ann, Department of Botany, Arizona State University,
Tempe, Arizona 85281. Tel. (602) 965-5763.

Sanders, Lois E., Oklahoma Archaeological Survey, 1335 South Asp, Norman,
Oklahoma 73069. Tel. (405) 325-4705.

Windle, Thomas M. F., 195 Victoria Rise, London SW4 0PE, England, United
Kingdom. Tel. 01-622-3429.

* * * * *

DIRECTORY CHANGES

Please make the following changes and additions in your membership directory:

Banerjee, U.C., Botanical Museum, Harvard Museum, Harvard University,
22 Divinity Avenue, Cambridge, Massachusetts 02138. Tel.
(617) 495-3200, office; (617) 235-4785, home.

Bond, Thomas A., Vice-President for Academic Affairs, Midwestern State
University, 3400 Taft Boulevard, Wichita Falls, Texas 76038.

Bujak, Jon, Tel. (902) 426-2731.

Dolby, Graham, Robertson Research (NA) Ltd., 501 Cleveland Crescent S.E.,
Calgary, Alberta, Canada T2G 4R8. Tel. (403) 287-0073.

Edson, James E., University of Arkansas at Monticello, P. O. Box 2451,
Monticello, Arkansas 71655. Tel. (501) 367-7749.

Kremp, Kyoko N., 15810 Inyo Street, Victorville, California 92392.

Masran, Theodora C., Imperial Oil Ltd., 339 50th Avenue S.E., Calgary,
Alberta, Canada T2G 2B3. Tel. (403) 259-0671.

Partridge, Alan D., Tel. 20557, ext. 2115.

Pierce, Richard L., ext. 673.

Sanders, Robert B., U. S. Geological Survey, 800A Street, Anchorage,
Alaska 99501.

Von Kaenel, John H., 1022-1/2 Frenchman, New Orleans, Louisiana 70116.
Tel. (504) 947-3929.

Wesendunk, Paul R., Standard Oil Company of California, Western Operations
Inc., 575 Market Street, San Francisco, California 94105. Tel.
(415) 894-2774.

* * * * *

REMEMBER NEWSLETTER ITEMS ARE WELCOMED

* * * * *

(Items for next Newsletter need to be received by editor before
June 1, 1976.)