

# NEWSLETTER

AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS, INC.

VOLUME 9

JUNE, 1976

NUMBER 3

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

Eleanora I. Robbins, Correspondent  
Eloy Salas, Correspondent

## NINTH ANNUAL AASP MEETING

CHATEAU HALIFAX

HALIFAX, NOVA SCOTIA

OCTOBER 12-16, 1976

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## 1976 MID-YEAR EXECUTIVE COMMITTEE MEETING

AASP's Board of Directors held its mid-year meeting at the LeBaron Hotel in Dallas, Texas on April 8th and 9th. Present at all or part of the meeting were:

Kenneth M. Piel - President  
M. Sedley Barss - Vice President  
Jack D. Burgess - Secretary-Treasurer  
Richard L. Pierce - Editor  
D. Colin McGregor - Councilor  
John A. Clendening - Councilor  
Richard W. Hedlund - Councilor

and members:

John E. Bennet, Vaughn M. Bryant, Robert T. Clarke, Richard P. Curry, Leonard E. Eames, William C. Elsik, Jacob E. Gerhard, Sue B. Mellina, Norman J. Norton, Howard Simpson, J. Fred Stone, and Robert L. Tabbert.

A copy of the meeting minutes may be obtained from the Secretary-Treasurer. Following is a brief summary of the business transacted:

1. Accepted the Membership Report which listed a total of 426 members as of April 1, 1976.
2. Accepted the Treasurer's Report which listed total corporate assets of \$6031.06 as of April 1, 1976.
3. Accepted the Editor's Report which listed two Newsletters and a Membership Directory as having been published and distributed since the Houston meeting.
4. Annual Meetings
  - a. Houston, 1975: Reviewed and accepted Bill Elsik's report on the 8th Annual Meeting. Bill's excellent report includes confirmation that 285

registrants participated in one or more parts of the meeting. The meeting produced a profit of \$3793.22, which will help to defray anticipated publishing deficits.

- b. Halifax, 1976: Reviewed the Halifax Meeting Committee's report. The tentative program listed in the March, 1976 Newsletter is now official.
- c. Tulsa, 1977: Listened to a presentation by Leonard Eames on plans for the 10th Annual Meeting. The Mayo Hotel in downtown Tulsa has been selected as the convention site.
- d. Tempe, 1978 : Reviewed and accepted a proposal by Jim Canright to hold the 11th Annual Meeting in Tempe, Arizona.

## 5. Old Business

- a. Financial Development Committee: Bob Clarke anticipated that a statement soliciting tax exempt status for an AASP Foundation would be filed around May 15. If an advanced ruling can be obtained from the IRS, it is possible that tax exempt fund solicitation can begin this year. However, whether we will be a public or private foundation is a question that will require several years of operation before IRS makes a final decision.
- b. International Commission for Palynology (ICP): Al Traverse was appointed as AASP's voting representative for the plenary session at the Fourth International Palynological Conference in Lucknow.
- c. CIA Report: Accepted Colin McGregor's report which indicated that exchanges of membership information had been effected with the USSR Commission on Palynology and the Palynological Committee for Africa.
- d. Nominating Committee Report: The slate of candidates nominated by the Committee is listed in a subsequent section of the Newsletter.
- e. Stratigraphic Correlation Chart Committee: Accepted F. X. Miller's telephoned communication in which he stated congressional funding of the project had not been approved but that funding probably would be forthcoming this year.
- f. Tenth Anniversary Volume Committee: Accepted Herb Sullivan's report which was presented by Bill Elsik. Present plans are to issue this commemorative publication as three separate volumes.
- g. Maturation Symposium Contribution: Subsequent to the mid-year meeting a decision was made to incorporate papers from the symposium into the Houston Proceedings Volume.
- h. Archives: The Hunt Botanical Library has been selected as the repository for AASP documents. Norm Norton was appointed chairman of the Committee.

6. New Business

- a. Membership Classes: The Board unanimously voted to restrict membership classes to the two classes presently in force - regular and institutional.
  - b. AASP Emblem: Leonard Eames was assigned the task of researching membership sentiment regarding an AASP logo.
  - c. Publisher Change: In a dramatic (and traumatic) sequence of discussions, a majority of the Board voted to sever publishing arrangements with LSU. The severance was made retroactive to the Houston Proceedings Volume. Hart Graphics, Austin, Texas, has been selected as the new publisher.
7. Discussed such other old and new business as necessary to bring the Board up to date.

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1976 - 77 SLATE OF CANDIDATES

The Nominating Committee, under the chairmanship of Dave McIntyre, has submitted the following slate of candidates for the upcoming AASP election:

For membership on the Board of Directors and for the office of:

President:	M. Sedley Barss Richard L. Pierce
Vice-President:	John A. Clendening Norman J. Norton
Secretary-Treasurer:	Jack D. Burgess
Editor:	Vaughn M. Bryant, Jr.
Councilors:	James E. Canright G. K. (Joe) Guennel Judith K. Lentin Raymond E. Malloy

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THE SEVERED CORD

The decision by the Board to cease publishing the Proceedings in Geoscience and Man is one of the most significant decisions made since the inception of AASP. One of the positive aspects of the decision is that publication time could be cut in half. However, publishing costs money, and publication has to be defrayed when money isn't available. Since members cannot be expected to contribute more in dues, many think they are too high already, there are really only two significant future sources of money -- the AASP Foundation and sale of publications.

AASP received no money from the sale of its publications by Geoscience and Man. So, a second positive aspect of the decision is that it opens up a new source for funds. A third positive aspect is the potentiality for expanded publication. The future journal, whatever its name, need not be limited to publishing papers presented at annual meetings. This aspect of the decision could have the greatest future impact, and it is a potentiality exciting to contemplate.

There are negative aspects to the decision. One is that the excellent staff at Geoscience and Man was able to salvage some papers that normally would have been rejected because of poor preparation. Consequently, future authors are going to have to do their own writing, drafting and plate preparation. Our apologies to those authors who did follow the manuscript preparation guide, but there was always a significant number who didn't. One person even went so far as to submit what amounted to data summaries and presumed the paper would be written for him. That paper wasn't salvaged.

Everything considered, the Board believes the positive aspects of being able to publish, distribute, sell and in all other ways to control AASP publications, far outweighs the negative aspects of loss of the Geoscience and Man staff's assistance. The umbilicus is severed.

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## HALIFAX MANUSCRIPT PREPARATION AND DEADLINE

Authors who intend to publish the papers they present at the Halifax meeting in the Halifax Proceedings Volume should have received a Manuscript Preparation Guide. If you haven't, please contact Sedley Barss. For yours, the reviewers' and the editor's convenience you are urged to format your paper as requested in the guide. Plate preparation is particularly critical. The plates will be reproduced exactly as submitted. Consequently, you will have to decide whether you want your specimens to appear with or without background and do your cutting and pasting accordingly. Poor plate preparation can ruin a good paper.

The deadline for submission of manuscripts probably will be January 15, 1977. The deadline will be firmed up at Halifax.

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## ABSTRACTS FOR AASP/CIMP HALIFAX MEETING

On May 28 a request for abstracts went out to those who submitted titles for the program of the AASP/CIMP meeting in Halifax, Nova Scotia. A deadline of July 15 has been set for return of the abstracts. Anyone who intends to present a paper at the meeting, but who has not submitted a title, should get both title and abstract to Sedley Barss before July 15th.

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## CALGARY MEETING PROCEEDINGS VOLUME

Papers from the Seventh Annual Meeting in Calgary, Canada, are being published as Vol. XV of Geoscience and Man. Ruth Hubert, of the Geoscience and Man staff, estimates that the Calgary Proceedings Volume will be published by mid-August.

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### AASP PUBLICATIONS THROUGH JUNE, 1976

To date all of the Proceedings Volumes have been published as part of the Geoscience and Man series. They can be purchased from:

Sales  
Geoscience and Man  
Museum of Geoscience  
Louisiana State University  
Baton Rouge, Louisiana 70803

All other AASP publications can be purchased from:

Jack D. Burgess, Sec.-Treas. AASP  
Gulf Research and Development Corp.  
P. O. Drawer 2038  
Pittsburgh, Pennsylvania 15230

#### Proceedings Volumes

1. First Annual Meeting - Contains eight (8) articles and all abstracts of papers presented at the Louisiana State University Meeting. 141 pages; 18 plates. Published 1970 as Vol. I of Geoscience and Man. Cost \$7.50
2. Second Annual Meeting - Contains nine (9) articles and all abstracts of papers presented at the Pennsylvania State University Meeting. 104 pages; 12 plates, one in color. Published 1971 as Vol. III of Geoscience and Man. Cost \$7.50.
3. Third Annual Meeting - Contains twelve (12) articles and all abstracts of papers presented at the Toronto meeting. 141 pages; 16 plates. Published 1972 as Vol. IV of Geoscience and Man. Cost \$8.25.
4. Fourth Annual Meeting - Contains twelve (12) articles and all abstracts of papers presented at the Tucson meeting. 133 pages, 18 plates. Published 1973 as Vol. VII of Geoscience and Man. Cost \$9.50.
5. Fifth Annual Meeting - Contains eight (8) articles and all abstracts of papers presented at the Newport Meeting. 83 pages; 9 plates. Published 1974 as Vol. IX of Geoscience and Man. Cost \$9.50.
6. Sixth Annual Meeting - Contains ten (10) articles and all abstracts of papers presented at the Anaheim Meeting. 145 pages; 29 plates. Published 1975 as Vol. XI of Geoscience and Man. Cost \$12.00.

7. Seventh Annual Meeting - In preparation. It will contain fifteen (15) articles and all abstracts of papers presented at the Calgary Meeting. It will be published in the latter half of 1976 as Vol. XV in the Geoscience and Man series.
8. Eighth Annual Meeting - In preparation. Anticipated publication date is early 1977.

#### Contributions Series

1. No. 1 - A bibliographic File for Computer Analysis of Permian Palynological Data (1933-1969) by George F. Hart. Issued September 1970. 40 pages. Xerox offset copies available. Cost \$2.00.
2. No. 2 - A Glossary of the Terminology Applied to Dinoflagellate Amphiesmae and Cysts and Acritarchs by Graham L. Williams, William A. S. Sarjeant, and Evan J. Kidson. Issued July 1973. 222 pages. Out of print.
3. No. 3 - Statistics in Stratigraphic Palynology: An Annotated and Indexed Bibliography by Norman D. Frederiksen. Issued June, 1974. 65 pages. Cost \$2.50.
4. No. 4 - Proceedings of a Forum on Dinoflagellates held at Anaheim, California, 1973. Edited by W. R. Evitt. Issued January, 1975. 76 pages; 12 text-figures; 19 charts. Cost \$7.50.

#### Field Trip Guidebooks

1. 1968 Annual Meeting, Lower Mississippi Valley - Out of print.
2. 1969 Annual Meeting - Carboniferous of Western Pennsylvania - 78 pages. Cost \$3.50.
3. 1970 Annual Meeting - No specific guidebook published.
4. 1971 Annual Meeting
  - a. Petrified Forest and Meteor Crater, illustrated. Cost \$5.00
  - b. Lehner Site, Pleistocene. Cost \$1.00.
5. 1972 Annual Meeting - Cape Cod Area - Out of print.
6. 1973 Annual Meeting
  - a. Sequoia and Kings Canhon National Parks, Illustrated. Cost \$5.00.
  - b. Torrey Pines - La Jolla - illustrated. Cost \$2.00.

### Abstracts of Papers Presented at Annual Meetings

1. 1968 - Baton Rouge - Out of print.
2. 1969 - Penn State - 29 pages. \$1.00
3. 1970 - Toronto - 35 pages. \$1.00
4. 1971 - Tucson - 31 pages. \$1.00
5. 1972 - Kingston - 32 pages. \$1.00
6. 1973 - Anaheim - 44 pages. \$1.00
7. 1974 - Calgary - 25 pages. \$1.00
8. 1975 - Houston - pages. \$1.00

### Miscellaneous

1. Sample booklet - 25 pages. Accompanies either Set No. 1, Cretaceous, or Set No. 2, Lower Tertiary, palynology samples from Texas. Cost \$15.00/set or \$25.00 for both.
2. Organic Maturation Syllabus - 26 pages. \$2.00

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### PAYMENT OF ANNUAL DUES, 1976

There has been considerable confusion about the 1976 AASP dues collection procedures. The first notice of dues was published in the December Newsletter, together with a dues notice form. This course was adopted by the Executive Committee in an attempt to reduce the work load and expense to the Association. The procedure worked fairly well, but when the final dues notice was mailed to delinquent members it came as a shock to many and an affront to others. An additional part of the confusion stemmed from a dues increase of \$10.00 to \$15.00. Hopefully by the time 1977 dues are to be collected, the above procedure will be well enough established to work better than it did this year.

JDB, Sec.-Treasurer

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### DUES DELINQUENT MEMBERS

The following persons have been adjudged delinquent as of June 1, 1976, and their membership in AASP is to be terminated:

Absy, Maria L.; Afejuku, Anthony III; Allen, K. C.; Azcuy, Carlos; Backhouse, John; Baker, Richard G.; Baltes, Nicolae; Benz, Sandra R.; Brenner, Gilbert J.; Brush, Grace S.; Butler, Ann; Carter, Fred J.; Chadwick, Arthur V.; Chaiffetz, Michael; Cohen, Norman K.; Corna-Zukova, Olga; Croxton, Katherine; Davey, Roger J.; Denison, Christopher N.; Dolby, Graham; Englehardt, Donald W.; Fienning, Robert L.;

Fletcher, Martha R.; Gammero, Juan C.; Green, David G.; Gutzler, Robert Q.; Hart, George F.; Haskell, Tom R.; Jardine, Serge M.; Johnson, C. D.; Jones, Eugene L.; Khadeer, Amtul; Kidson, Evan J.; Koch, Robert C.; Kremer, Peter R.; Lentin, Judith K.; Lichti-Federovich, Sigrid; Lieux, Meridith H.; Littlejohn, Robert; Loeblich, Alfred R. III; Macleod, Malcolm; Mahalakshamma, A. P.; May, Fred E.; McLean, Dewey M.; Melchior, Robert C.; Melo da Costa, Norma M.; Mensch, Leroy K.; Miller, F. X.; Millioud, Marcel E.; Nelson, Katherine G.; Perkins, Bob F.; Pierce, Robert W.; Pohowsky, Robert A.; Polugar, Morton; Rakotoarivelo, Henri J.; Regali, Maria S. P.; Reid, Phillip; Riegel, Walter; Rowley, John; Scheuring, Bernard W.; Scott, Richard A.; Serieyssel, Karen K.; Shaw, Allan B.; Shriver, Marilyn E. D.; Spackman, William; Stewart, Robert A., II; Strick-Rossignol, Martine; Sutherland, D. M.; Swanberg, Joyce W.; Sweet, Arthur R.; Tasch, Paul; Thompson, Gary G.; Ting, Francis T. C.; Ting, William S.; Tsukado, Matsuo; Tynan, Eugene J.; Van Erve, Anton W.; Verdier, J. P.; Visscher, H.; Waanders, Gerald L.; Walch, Krista M.; Warg, Jamison B.; Whitney, Barbara L.; Wigent, Larry M.; Winslow, Marcia R.; Wrenn, John H. W.;

and the following institutional members:

Centro de Tecnologia Petrolera; Bibliotheque du Centre d'Etudes de Geographie Tropicale; Gulf Research and Development Co.; Netherlands Geological Survey.

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## NORTH AMERICAN PALEONTOLOGICAL CONVENTION 11

August 8, 9, 10, 1977  
The University of Kansas  
Lawrence, Kansas 66045

### Sponsors

The Paleontological Society  
Society of Economic Paleontologists and Mineralogists  
The Society of Vertebrate Paleontology  
American Association of Stratigraphic Palynologists  
Botanical Society of America, Paleobotanical Section

### Organized Symposia

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. Jere H. Lipps.  
Biostratigraphy of Fossil Plants: Successional and Paleoecological Analyses.  
David L. Dilcher.

Trace Fossils in Lower Paleozoic Communities. C. Kent Chamberlain.  
 Growth Lines, George R. Clark III.  
 Paleontology and Plate Tectonics, with Special Reference to the History  
 of the Atlantic Ocean. R. M. West.  
 Cretaceous of Northern Temperate Areas. Erle G. Kauffman and Donald E.  
 Hattin.  
 Modeling Diversity. Stephen J. Gould.  
 Functional Morphology. Richard E. Grant.  
 Biostratigraphy vs. Depositional Models. J. D. Harper and R. Smith.  
 Echinoderm Paleontology. James T. Sprinkle.  
 Permo-Carboniferous Faunas and Biostratigraphy. E. C. Olson.  
 Community Paleocology. W. B. N. Berry, A. J. Boucot, and Jane Gray.

Questions regarding any of the symposia may be directed to Evan J. Kidson,  
 AASP's representative on the NAPC II committee.

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## ARCTIC POLLEN TRADE GROUP

There will be a breakfast meeting of the Trade Group during the course of the  
 Annual Meeting in Halifax. To fulfill Group obligations, members should be  
 prepared to submit a section for addition to the pool. Those members who are  
 a section behind should be prepared to submit two sections. Selection of a new  
 chairman and a new secretary will be the first order of business.

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## GENERA FILE OF FOSSIL SPORES

The Jansonius and Hills Genera File is being issued this year as a Special Pub-  
 lication of the University of Calgary Department of Geology. A prospectus on  
 the File may be obtained from either Jan or Len. In essence, the prospectus  
 lists what appears to be a very good deal indeed. For a pre-publication price  
 of \$50.00 Canadian for individuals, or \$110.00 Canadian for institutions, the  
 following is received:

1. An alphabetically arranged file of 3300 5" X 8" cards on which are  
 listed all known genera of microspores, megaspores, fungal spores and  
 pollen.
2. A full generic diagnosis.
3. Complete bibliographic citation.
4. A monographic treatment on nomenclature, including synonymy and typi-  
 fication.
5. Line drawings of valid genera.
6. Geographic and stratigraphic occurrence of the type species.

The authors recommend purchase of two sets so that one of the sets can be arranged morphologically. Future updates will be offered at cost. Money orders or checks should be made payable to Jansonius and Hills - General Card File and mailed to:

Dr. L. V. Hills  
Dept. of Geology  
University of Calgary  
Calgary, Alberta T2N 0Z7  
Canada

The File should prove to be extremely useful for teaching and systematics research.

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## SOUTH OF THE BORDER

Our old friend, Eloy Salas, tells us quite a few things have been going on down Mexico way. The Third Latin American Congress of Geology was held at Acapulco on the 10th to 16th of June. A technical session on Stratigraphy and Paleontology was included. Jamie Rueda, who is with the Instituto Mexicano del Petroleo, is working on the maturation of organic material and its relationship to tectonics, entrapment and generation of oil. Enrique Martinez and colleagues in the Instituto de Geologica of the National University of Mexico are working on a pollen atlas of tropical trees of Mexico. We hope it will be published soon. Our apologies to all those individuals whose work we have not mentioned, but we are grateful to Eloy for bringing your studies to our attention.

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## ASSOCIATION DES PALYNOLOGUES DE LANGUE FRANCAISE PUBLICATIONS

Following is a list of APLF publications available from:

Dr. C. Caratini, Secretary APLF  
Centre d'Etudes de Geographie Tropicale  
Domaine Universitaire de Bordeaux  
F33405 - Talence, France

The dollar prices cited are approximate, but in these days of floating exchange rates they're close enough.

1. Pollen and Spores of Tropical Africa. 1974. 283 p., 98 pl. 60 FF (\$12.70).
2. Palynology and Continental Drift. 1975. APLF Strasbourg Symposium, Oct., 1973. 193 p., 67 fig., 14 pl. 60FF (\$12.70)
3. Meeting of the Working Group: Sporopollenic Morphology and Nomenclature. 1975. APLF Paris Meeting, October 1975. 54 p., fig., index. 20FF (\$4.25).

4. Taxon Guides in Palynology. APLF Paris Symposium, October 1975. In press. 75FF (\$15.90).

We presume that individuals may pay by personal check in the funds of their country. Institutions generally are required to pay for purchases in France with UNESCO coupons or International Money Orders.

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## APLF SYMPOSIUM

During the second half of September, 1977, the APLF intends to hold a symposium at Liege on "New Techniques in Palynology". The symposium will be held at l'Institut National des Industries Extractives. We presume a symposial volume will be published. Further information on the symposium can be obtained from Dr. C. Caratine, whose address is in the preceeding item.

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## INTERNATIONAL SYMPOSIUM ON THE DEVONIAN SYSTEM, 1978

The autumn meeting of the Palontological Association in 1978 will consist of a three day program on the Devonian System. The symposium will be held from the 9th through 12th of September and will be preceded by a field trip to the type areas of the Devonian and the Old Red Sandstone. Further information on this symposium can be secured from:

The Secretary, PADS 1978  
Department of Geology  
Queens Building, University Walk  
Bristol BS8 1TR, England

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## FOURTH INTERNATIONAL PALYNOLOGICAL CONFERENCE, LUCKNOW

The second circular for the 4th IPC has been distributed. Individuals who did not receive a copy and who would like one may contact:

General Secretary IV ICP  
Birbal Sahni Institute of Paleobotany  
53, University Road  
P. O. Box 186  
Lucknow 226001, India

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## INDIAN RESEARCH CENTERS

Those of you fortunate enough to attend the IV IPC may be interested in traveling to other archeological, botanical and geological research centers in India. The best of these centers and the map of their location was kindly supplied by Dr. C. Caratini, Secretary of the Association des Palynologues de Langue Francaise.

Allahabad: Botanical Survey (Taxonomy).

Baroda: M.S. University (Prehistory).

Bombay: Institute of Science (Palynology, Tertiary studies); Tata Institute (Archeology); University (Taxonomy).

Calcutta: Bose Institute (Palynology, Physiology); Botanical Survey (Palynology, Taxonomy); Geological Survey (General Geology); University of Calcutta (Archeology, Cytology, Palynology); University of Kalyani (Stratigraphy).

Coimbatore: Botanical Survey (Taxonomy).

Dehra Dun: Botanical Survey (Taxonomy); Forest Research Institute (Forestry, Taxonomy); Oil & Natural Gas Commission (Petroleum, Palynology, Stratigraphy).

Delhi: Archaeological Survey (Archeology); Indian Agricultural Research Inst. (Agriculture, Mycology, Pollen physiology, Genetics).

Hyderabad: Archaeological Survey (Archeology); Osmania University (Paleobotany, Palynology).

Jodhpur: Botanical Survey (Taxonomy); Central Arid Zone Research Inst. (Arid zones); National Botanical Garden (Palynology, Taxonomy).

Lucknow: Berbal Sahni Inst. (pre-Cambrian to Quaternary Paleobotany and Palynology); National Botanical Garden (Palynology, Taxonomy).

Madras: Museum (Archeology); Presidency College (Taxonomy); University (mycology, Phycology).

Nagpur: (Archeology, Botany).

Pondicherry: Institute Francais (Geography, Palynology, Taxonomy, General India and Indian Vegetation studies).

Poona: Botanical Survey (Taxonomy); Deccan College (Prehistory); Maharashtra Association for the Adv. of Science (Apiculture, Paleobotany, Palynology, Taxonomy).

Varanasi: University (Ecology, Phycology).

Waltair: University (Aeropalynology, Botany, Geomorphology).

(Location map at end of Newsletter).

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## MICROSCOPY OF ORGANIC SEDIMENTS

The Royal Microscopical Society recently held a meeting at Oxford on various aspects of the microscopy of organic sediments and dispersed organic material in sediments. It is intended to publish Proceedings of the meeting in a special issue of the Journal of Microscopy. The special issue is to be ready for distribution in late 1976 and will cost about \$20.00. Further information or orders for the publication can be placed with:

The Administrator  
Royal Microscopical Society  
37/38 St. Clements  
Oxford OX4 1AJ, ENGLAND

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## HERBACEOUS ?

We've recently read a geochemical services company's brochure in which the term "herbaceous" was used as a kerogen term to descriptively group structured, lipid rich material such as pollen, spores, cuticles, algal remains, etc. In freshman botany we learned that the tissues of herbaceous plants or plant parts are characterized by cellulose rich parenchyma. Either botanists have changed the meaning of "herbaceous" since our day or some geochemists have misused the term. We are inclined to the latter explanation. Coal petrographers generally group lipid rich plant structures under the term "liptinite". We are not suggesting that kerogen analysts should do the same, but it is a more appropriate term for structured, lipid rich material than is "herbaceous".

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## NEW MEMBERS

AASP is pleased to welcome the following new members:

Alameri, Thamer K., Geology Department, Kings College London, Strand London WC2R 2LS, England. Tel. 01-836-5454, ext. 2515.

Anepohl, Jane Kathleen, Exxon Company U.S.A., P. O. Box 2180, Houston, Texas. Tel. (713) 656-3031 (office); (714) 785-7968 (home).

Barten, H. J., Shell Development (Australia) Pty. Ltd., P. O. Box 872K, Melbourne, Victoria, Australia 3001.

Biaggi, Roberto E., Department of Biological Sciences, Walla Walla College, College Place, Washington 99324. Tel. (509) 527-2424.

Cigler, Connie S., Gulf Oil Technical Services Center, P. O. Box 36506, Houston, Texas 77036.

de Leon, Barbara W., 14502 Misty Meadow, Houston, Texas 77024. Tel. (713) 497-1827.

Foucher, Jean-Claude, Laboratoire de Geologie, Faculte des Sciences, "Moulin de la Housse", B.P. 347, 51062 Reims cedex, France. Tel. (26) 47-82-61, ext. 278.

Garner, John C., Riverside Court, No. 7, Bridgetown Road, Saunderstown, Rhode Island 02874. Tel. (401) 783-1973.

Goodman, David K., Department of Geology, Stanford University, Stanford, California 94305. Tel. (415) 497-4280 (office); (415) 326-1916 (home).

Griffith, Charles E., Mobil Oil Corp., Stratigraphic Laboratory, Exploration Services Center, P. O. Box 900, Dallas, Texas 75221. Tel. (214) 638-7700.

Jacobson, Stephen R., 125 South Oval Mall, Columbus, Ohio 43210. Tel. (614) 421-2393.

John, Charles Bedford, P. O. Box 288, 1344 Quaker Street, Golden, Colorado 80401. Tel. (303) 278-3785.

Kyle, Rosemary Anne, Institute of Polar Studies, Ohio State University, 125 South Oval Mall, Columbus, Ohio 43210. Tel. (614) 422-6531.

Leopold, Estella B., U.S. Geological Survey, Bldg. 25, Denver Federal Center, Denver, Colorado 80225. Tel. (303) 234-2741.

Morris, Robert E., Robertson Research (N.A.) Ltd., 501 Cleveland Crescent S.E., Calgary, Alberta, Canada T2G 4R8. Tel. (403) 287-0073.

Patricelli, Judith, 4223 Lake Avenue, Rochester, New York 14612. Tel. (716) 663-8695.

Pirozynski, Kris A., National Museum, Paleontology Division, Ottawa, Ontario, Canada K1A 0M8. Tel. (613) 996-4518.

Poplowski, Silvana M. L., Department of Geology, University of Toronto, Toronto, Ontario, Canada M5W 1A1. Tel. (416) 928-4851.

Tan, J. T., Department of Geology, University of Calgary, Calgary, Alberta, Canada T2N 0Z7. Tel. (403) 284-6444.

Totten, David K., Jr., 1940 W. El Norte Pkwy., Escondido, California 92026. Tel. (714) 745-9714.

von Sanden, Anthony T., Shell Development (Australia) Pty. Ltd., 155 William Street, Melbourne, Victoria, Australia 3000. Tel. 60-95403.

Wilkinson, G. C., Department of Biological Science, Northeast London Polytechnic, Romford Road, London E15 4LZ, England. Tel. 555-0811, ext. 54.

#### Institutional

Shell Internationale, Petroleum Mij. B.V., Carel V. Bylandtlaan 30, The Hague, The Netherlands.

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## DIRECTORY CHANGES

Please make the following changes and additions in your 1975-1976 Membership Directory:

Baker, Lynn E., Tel. 656-6286.

Bradford, Martin R., Tel. (403) 266-7561.

Bujak, Jonathan, Tel. (902) 426-5657.

Christopher, Raymond A., U. S. Geological Survey, 971 National Center,  
Reston, Virginia 22091. Tel. (703) 860-6179.

Cohen, Arthur D., Department of Geology, University of South Carolina,  
Columbia, South Carolina 292-8. Tel. (803) 777-4745.

Denison, Christopher N., Robertson Research (Singapore) Private Limited  
Units 10E-17E, 5th Floor, Block E, 55 Ayer Rajah Industrial  
Estate, Singapore 5. Tel. 2358083, 2357377, 2357378.

Dunay, Robert E., Mobil North Sea Ltd., c/o Mobil House, 54/60 Victoria  
Avenue, London SW1, England. Tel. 01-828-9777.

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REMEMBER NEWSLETTER ITEMS ARE WELCOMED

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

# Association des Palynologues de Langue Française



CENTRE D'ÉTUDES DE GÉOGRAPHIE TROPICALE  
DOMAINE UNIVERSITAIRE DE BORDEAUX - F 33405 - TALENCE FRANCE  
TEL : 56 1 80 60 00

*in  
Museum*

## CONGRES DE LUCKNOW (déc. 1976)

Dr. THANIKAIMONI (Institut français de Pondichéry) nous a fourni quelques informations concernant la Palynologie en Inde et se tient à notre disposition pour tous renseignements.

Les membres A.P.L.F. intéressés par le Congrès de Lucknow peuvent s'adresser à notre trésorier J.J. CHATEAUNEUF qui étudie les moyens les moins onéreux pour effectuer le voyage.

## QUELQUES CENTRES DE RECHERCHES ARCHÉOLOGIQUES, BOTANIQUES ET GÉOLOGIQUES

ALLAHABAD : Botanical Survey (Taxinomie).

BARODA : M.S. University (Préhistoire).

BOMBAY : Institute of Science (Palynologie, Tertiaire)

Tata Institute (Archéologie), University (Taxinomie)

CALCUTTA : Bose Institute (Palynologie, Physiologie), Botanical Survey (Palynologie, Taxinomie)

Geological Survey (Géologie), University of Calcutta (Archéologie, Cytologie, Palynologie), University of Kalyani (Stratigraphie)

COIMBATOR : Botanical Survey (Taxinomie)

DEHRA DUN : Botanical Survey (Taxinomie), Forest Research Institute (Forêts, Taxinomie). Oil & Natural Gas Commission (Pétrole, Palynologie, Stratigraphie)

DELHI : Archaeological Survey (Archéologie). Indian Agricultural Research Inst. (Agriculture, Mycologie, Physiologie du pollen, Génétique). Institute of Himalayan Geology (Geology), University : Dept. Botany (Phytomorphologie, Physiologie du pollen), V.P. Chest Research Inst. (Allergie)

HYDERABAD : Archaeological Survey (Archéologie), Osmania University (Paléobotanique, Palynologie)

JODHPUR : Botanical Survey (Taxinomie), Central Arid Zone Research Inst. (Zones arides), National Botanical Garden

LUCKNOW : Birbal Sahni Institute (Paléobotanique : du Primaire au Quaternaire), National Botanical Garden (Palynologie, Taxinomie).

MADRAS : Museum (Archéologie) Presidency College (Taxinomie), Université (Mycologie, Phycologie)

NAGPUR : University (Archéologie, Botanique)

PONDICHERRY : Institut Français (Géographie, Indologie, Palynologie, Taxinomie, Végétation)

POONA : Botanical Survey (Taxinomie)

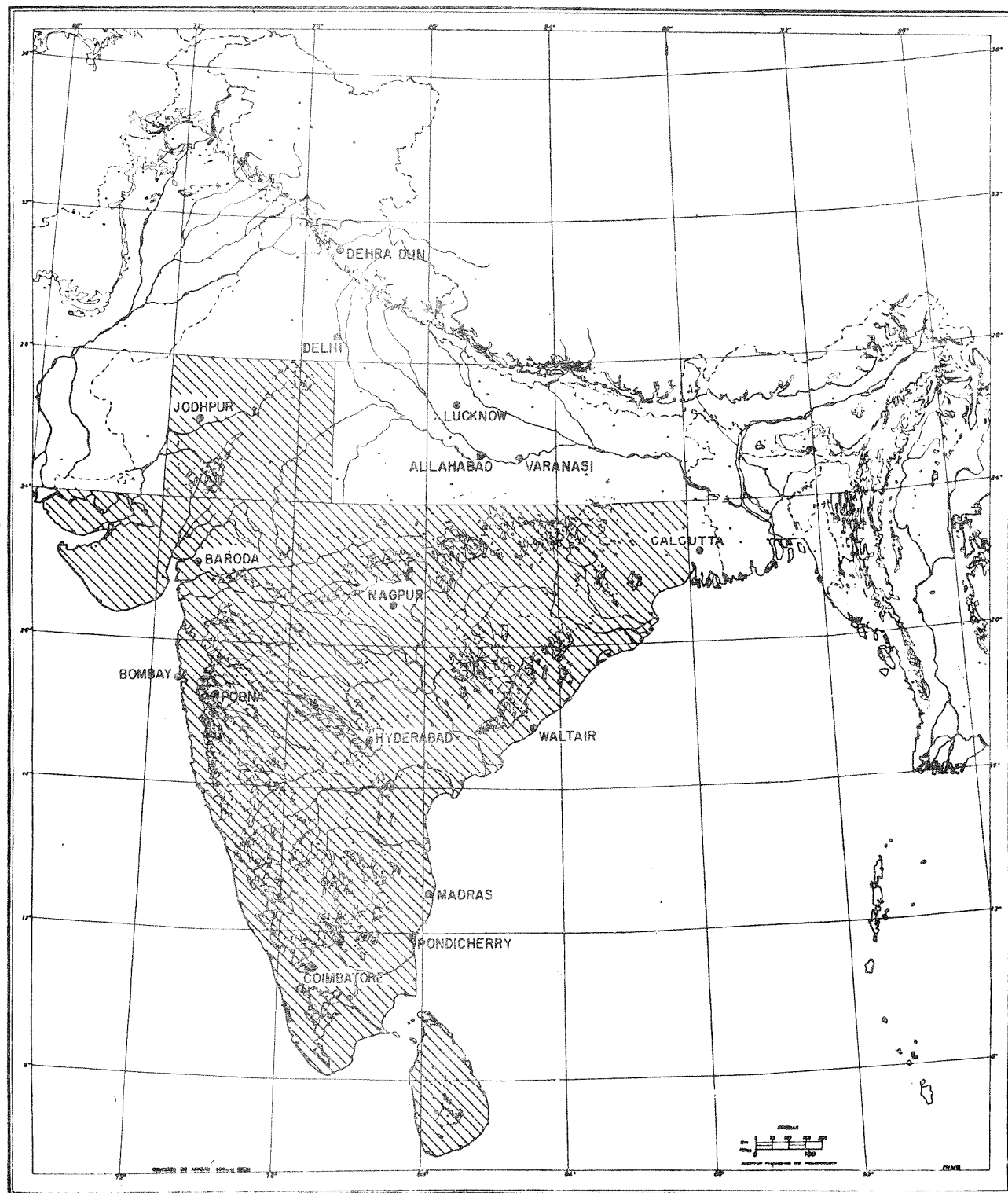
Deccan College (Préhistoire)

Maharashtra Association Adv. Science (Apiculture, Paléobotanique, Palynologie, Taxinomie)

VARANASI : University : Dept. Botany (Ecologie, Phycologie)

WALTAIR : University (Aeropalynologie, Botanique, Géomorphologie).

QUELQUES CENTRES DE RECHERCHES ARCHÉOLOGIQUES, BOTANIQUES ET GÉOLOGIQUES



Surface déjà cartographiée par l'Institut Français de Pondichéry, dans le cadre de la Carte Internationale du Tapis Végétal au 1:1.000.000

**MEMBERSHIP APPLICATION FORM**  
**AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS, INC.**

Preferred title (circle): Prof., Dr., Mr., Mrs., Ms.

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Signatures of sponsors (must be 1) \_\_\_\_\_  
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\* \* \* \*

Purpose of AASP (adopted 8 December, 1967): "... to promote the science of palynology, especially as it relates to stratigraphic applications and biostratigraphy; to foster the spirit of scientific research among the members; to disseminate information relating to palynology."

\* \* \* \*

Please note: Application must be accompanied by \$15.00 (USA) in order for the Executive Committee to elect applicants to membership.

Send to: Jack D. Burgess, Gulf Research and Development Corp.,  
Exploration Division, Drawer 2038 Pittsburgh,  
Pennsylvania 15230

**AASP DIRECTORY AND MAILING LIST CHANGE**

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Send to: Richard L. Pierce, Mobil Exploration Services Center,  
Stratigraphic Lab., P.O. Box 900, Dallas, Texas 75221