



NEWSLETTER

American Association of Stratigraphic Palynologists, Inc.

VOL. 10, No. 2

March 1977

Vaughn M. Bryant, Jr., Editor
Texas A&M University, College Station, TX 77843

PRESIDENT'S MESSAGE

One source of strength for an organization is the participation of its members in the organization's activities. In this respect, AASP is an extremely strong organization. About 80 percent of the 450 AASP members have directly participated in those activities that are necessary to keep an organization viable. These activities include everything from envelope stuffing to presenting papers.

A second source of strength for an organization is the quality of the leadership that has been elected or appointed to direct the organization's activities. In this respect, AASP has been very fortunate. The organization has had consistent effective leadership. And Bob Clarke has been foremost among the leaders. To list all of Bob's contributions to AASP would require a lengthy essay that would be inappropriate in the Newsletter. One of Bob's latest efforts has been to secure a 509(a)(1) tax exempt status for the AASP Foundation.

A third source of strength for an organization is a sufficiency of money to finance its activities. In this respect, AASP has been very weak. We never have been able to finance all of our activities. All contribution volumes, all Newsletters, all packaging, mailing and distribution costs, and a variety of other activities, have been funded by sources other than AASP's treasury. These other sources are becoming understandably reluctant to continue non-deductible funding of an organization as large as AASP. Receipt of the 509(a)(1) status for the AASP Foundation came not a moment too soon. All donations to the AASP Foundation are tax deductible under IRS section 509(a)(1). This fact lends credibility to visions of future financial strength for AASP. From all of us, thank you very much Bob.

Rick Pierce

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TENTH ANNIVERSARY ANNUAL MEETING - 1977

AASP's Tenth Anniversary Annual Meeting will be held in Tulsa, Oklahoma-- the birthplace of the Association. The meeting is scheduled for October 19-21, 1977, in the Fairmont Mayo Hotel. Len Eames and Dick Hedlund have provided the following information for the meeting:

Technical Papers

Time will be allotted for approximately 30 presentations, depending upon the responses to the call for papers. This call will be issued around March 15. General themes for the Technical Sessions (October 20, 21) will be established after the responses have been received.

Symposia

Symposia are being organized to cover the following topics (October 19):

Graphic Correlation Techniques
F.X. Miller

Frontiers in Quaternary Palynology
V.M. Bryant, Jr.

Field Trip

An all-day field trip to selected Middle and Late Pennsylvanian exposures in and around Tulsa County is being planned. The trip will also include a visit to Redbud Valley, a nature preserve in the Tulsa area (October 22).

Samples

It is planned to make palynomorph-bearing Pennsylvanian samples available to meeting participants.

Questionnaires

Questionnaires will be issued to the membership of AASP around March 15. These will include the call for papers, as well as an indication of: 1) field trip participation, 2) attendance, and 3) symposia participation.

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MID-YEAR EXECUTIVE COMMITTEE MEETING

The AASP Board of Directors will hold its mid-year meeting on April 15-16, at the Ramada Inn located at 4528 East Shelley Drive (on the corner of I-44 and Yale Avenue) in Tulsa, Oklahoma. The business meeting will be from 8:30 a.m. - 4:30 p.m. on April 15th and from 8:30 a.m. to 12 noon on April 16th.

Any interested member may attend. The following represents a tentative agenda for those meetings:

1. Approval of Executive Committee Minutes, Halifax Meeting
2. Secretary's Membership Report
3. Treasurer's Report
4. Editor's Report
5. Annual Meeting Discussion
 - a. 1977 Tulsa Meeting, final report
 - b. 1978, Tempe, Arizona
 - c. Future meeting site proposals
6. Old Business
 - a. Financial Development Committee Report (AASP Foundation)
 - b. Tenth Anniversary Commemorative Volume (status report)
 - c. Committee on International Affairs Report
 - d. International Commission for Palynology (I.C.P.) Report
 - e. Other old business
7. New Business

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MEETING REPORT, LUCKNOW PALYNOLOGICAL CONFERENCE

The Fourth International Palynological Conference was held in Lucknow, India, from December 28, 1976, to January 5, 1977, under the auspices of the International Commission for Palynology (ICP), a subdivision of the International Union of Biological Sciences (IUBS). Dr. D.C. Bhardwaj of the Birbal Sahni Institute of Palaeobotany in Lucknow, in his role as General President of this conference, should be commended for his excellent organization and personal direction of all the infinite details necessary to insure success for these meetings. He was ably assisted by Drs. S.C.D. Sah and K.M. Lele in their positions as Joint General Secretary, as well as by numerous committees, mostly recruited from the permanent staff of the Sahni Institute.

The following six divisions were established to include all aspects of palynology:

- Division I - Morphology, Taxonomy and Physiology of Spores and Pollen Grains. Presiding Officer: Dr. P.K.K. Nair (National Botanic Gardens, Lucknow).
- Division II - Morphology and Taxonomy of Dinoflagellates, Acritarchs, Diatoms, Coccoliths, Chitinozoa, Radiolarians and Microforams. Presiding Officer: Mr. A.K. Ghosh (Calcutta University).
- Division III - Palynological Stratigraphy and Exploration of Fossil Fuels. Presiding Officer: Dr. B.S. Venkatachala (Oil & Natural Gas Commission, Dehradun).
- Division IV - Quaternary Palynology. Presiding Officer: Dr. Vishnu-Mittre (Birbal Sahni Institute of Palaeobotany).
- Division V - Palynological Data Handling and Paleogeography. Presiding Officer: Dr. S. Chanda (Bose Research Institute, Calcutta).
- Division VI - Palynology in Medicine, Agriculture, Forestry, etc. Presiding Officer: Dr. D.N. Shivpuri (University of Delhi).

Each of the six divisions included from 3-7 symposia on special subjects, as well as regular paper sessions which ran concurrently throughout the week of the meetings. However, the symposia for Division II had to be cancelled due to the absence of the convenors and several of their scheduled participants.

The majority of sessions and demonstrations were held in the auditoria of the Birbal Sahni Institute of Palaeobotany. Divisions V and VI met at the adjacent Lucknow University and the nearby National Botanic Gardens auditorium. The following Plenary and Special Lectures were held at the Isabella Thoburn College Hall:

- Plenary Lecture: Prof. C.P. Malik - "Cytochemistry and physiology of germination in spores and pollen grains."
- 6th Birbal Sahni Memorial Lecture: Prof. N.F. Hughes - "Mid-Cretaceous seed plants."
- Plenary Lecture: Dr. D. Lal - "Principles and methods of absolute dating."
- 8th Gunnar Erdtman International Medal Lecture: Prof. P.N. Mehra - "The bryophyte spore -- its structure and evolution."
- 24th Sir Albert Charles Seward Memorial Lecture: Prof. F.P. Jonker - "Tendency concept: a view focused on the evolution in the plant kingdom."
- Plenary Lecture: Prof. M.W. McElhinny - "A closer look at Laurasia, Gondwanaland and Pangea."

Plenary Lecture: Dr. B. Alpern - "Optical properties of organic matter in sediments in relation to paleotemperatures and petroleum potential."

Plenary Lecture: Prof. J.R. Rowley - "The origin, ontogeny and evolution of the exine."

11th Annual Lecture (Palynological Society of India): Dr. T.N. Khoshoo - "Palynology in relation to cytology and genetics."

Special Lecture: Mr. V.V. Sastri - "International stratigraphic guide."

Of the more than 200 registrants for the 4th IPC meetings, quite understandably the participants from the host country outnumbered all others. The largest non-Indian delegations came from the USSR (14) and the USA (12). North American members of AASP who presented papers at these meetings included J.E. Canright, A.T. Cross, L. Fisk, G. Fournier, G.O.W. Kremp, S.A.J. Pocock, J. Schoenwetter and S.K. Srivastava.

On January 5th at the final formal sessions of the conference, it was announced that Dr. Alfred Traverse of Pennsylvania State University had been elected to the presidency of the International Commission for Palynology. Furthermore, the retiring President of ICP, Norman Hughes, was named to chair the 5th International Palynological Conference in Cambridge, England, in 1980 or 1981. Previous IPC meetings have been held in Tucson (1962), Utrecht (1966) and Novosibirsk (1971).

There were two week-long pre-conference field trips in south India and NW India, and four post-conference field trips to south, central, NW, and eastern India. Several participants on the last-named field trip stayed over in Calcutta for the January 17 commencement of the International Gondwana Symposium.

James E. Canright

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AASP MEMBERSHIP DIRECTORY

Due to a lack of volunteers AASP has had to print the Annual Membership Directory. You will find it attached to the back of the March Newsletter. I investigated the cost of printing the directory in the previous manner and found that it would be too costly. Therefore, in an effort to save funds I have produced the directory in a less expensive manner. I apologize for the new format but it saved us about \$500 over the older method. The directory was again compiled by David R. Michell who deserves a great "thanks" from each of us. We seem to be a pretty fluid lot and are constantly changing addresses, therefore his task of keeping up with us is complicated.

Please take time to check your listing on each section of the directory. If any of the information is not correct or incomplete then please let me know immediately. (A change of address form is attached to the back of the Newsletter.)

All of the data for the directory are now in permanent magnetic storage and will be updated periodically throughout the year by Dave. When you send your address changes to me, I note them for the mailing list and then forward the information on to Dave for his records. One final note, all address changes listed in the March 1977 Newsletter are not included in the directory. Also, some of the address changes listed in the December 1976 Newsletter may not have been included in the present directory. Please make those changes now so that your directory will be correct and up-to-date.

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GEOSCIENCE AND MAN VOLUME XV

Volume XV of Geoscience and Man has been mailed to all AASP members. This was the last volume of AASP proceedings to be published by the LSU Press. We all appreciate the fine job they did and will miss their help and assistance.

If you have not yet received your copy of Volume XV then perhaps it is still in route since they were mailed using library postal rates. If after a reasonable length of time you don't receive your copy, then please contact Rick Pierce, Mobil Oil Corp., P.O. Box 900, Dallas, Texas 75221, USA.

Rick is still working on the first volume of Palynology (Houston Meeting) and reports that all is going smoothly. He is trying to get that volume finished and mailed out as soon as possible.

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HALIFAX VOLUME OF PALYNOLOGY

The deadline for submitting papers for publication consideration in the Halifax volume of Palynology is less than one month away (April 1, 1977). Thus far I have only received four manuscripts and hope that others will soon be arriving. Please try to submit your manuscripts as soon as possible so that they can be reviewed, revised and prepared for publication as soon after the April deadline as possible. Remember, under our new guidelines we are considering topics for publication other than papers presented at our annual meetings. Primary emphasis will, however, still remain with papers presented at our annual meetings.

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JOURNAL PAGE CHARGES

There has been some confusion over the issue concerning page charges for articles published in our annual journal. I think that the issue was clearly explained in the December, 1976, Newsletter but for those who are still in doubt let me again outline our policy. The cost of publishing one issue of Palynology will average approximately \$50.00 per printed page. In an effort to help defray those costs and in an effort to maintain our annual dues at their present \$15.00 the AASP Executive Committee has requested that each journal contributor try to make an effort to find institutional, company, or grant funds to pay these printing charges. This does not mean that if a contributor is unable to find such funds that his (or her) article will automatically be rejected for publication consideration. We are aware that some people do not have these resources available and thus will be unable to provide them. On the other hand, there are some individuals who do have access to such funds and are able to use them to help offset our printing costs. If you have hesitated to send in your manuscripts because you do not think you will be able to supply the page cost charges please hesitate no longer. Send in your manuscript now and let AASP decide whether or not they would be willing to pay for those page charges. If your article is worthy of publication then there should be no major problem.

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THANKS TO AASP REVIEWERS

I would personally like to thank the many members who expressed their willingness to serve AASP as reviewers. As I receive manuscripts for publication consideration in our journal Palynology I shall be in contact with many of those reviewers. However, if you aren't immediately asked to review an article please be patient. Over 100 members expressed an interest in acting as reviewers and it will be a while before enough manuscripts are received for each of you to have a chance to act as a reviewer. Thanks again for your support in this effort.

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AASP EMBLEM

Len Eames, Chairman and sole member of the recently re-activated AASP Emblem Committee solicits the membership's feelings and ideas concerning the desirability of an official AASP emblem. Please respond by sending your comments, recommendations, and/or sketches to: Dr. Leonard E. Eames, Amoco Production Company, Research Center, P.O. Box 591, Tulsa, Oklahoma 74120.

There is no immediate deadline yet but I know Len would appreciate your speedy reply so that he can present his winning suggestions to the AASP Executive Committee for consideration.

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NEW POLLEN CATALOG

The School of Geosciences at Louisiana State University has announced a new publication in palynology. The publication series is called "Catalog of Gulf of Mexico Region Recent and Fossil Microbios" and is being compiled by Dr. Meredith H. Lieux. Pre-publication information suggests that this will be a useful series of publications to have for reference and research purposes. Each pollen type is described in detail and is accompanied by both SEM and light photomicrographs. For further information write to the Publication Section, School of Geoscience, L.S.U., Baton Rouge, Louisiana 70803, USA.

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POLLEN EXCHANGE SLIDES

The following AASP members have indicated that they are interested in exchanging pollen reference slides. Others who are interested in exchanging slides should send their names to the editor or contact the individuals listed below.

J.M. Lammons, Geological Lab, Texaco Trinidad, Inc., Pointe-a-Pierre, Trinidad, West Indies.

David M. Jarzen, Paleobiology Division, Museum of Natural Sciences, Ottawa, Ontario, Canada K1A-0M8.

Thomas Ager, Geological Survey, Mail Stop 971, National Center, Reston, Virginia 22092, USA.

Lanny H. Fisk, Department of Biological Sciences, Walla Walla College, College Place, Washington 99324, USA.

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INTERNATIONAL ASSOCIATION FOR AEROBIOLOGY

Dr. Siwert Nilsson, president of the International Association for Aerobiology has written to inform us of their society and its functions. The

society was founded in September, 1974, and now has 220 members. The society publishes an informative newsletter several times a year which includes book reviews, lists of recently published literature and news about current research in the field of aerobiology. AASP members interested in learning more about this new society should contact Dr. Siwert Nilsson, Palynology Laboratory, Swedish Museum of Natural History, S-105 05, Stockholm 50, Sweden.

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FRIENDS OF THE CENOZOIC

A meeting of the "Friends of the Cenozoic" will be held at the Denver GSA Annual Meeting on November 8, 1977. The purpose of the meeting will be to review the activities of related organizations and to define a function for the "Friends of the Cenozoic." Anyone wishing additional information is urged to write Dr. John M. Armentrout, P.O. Box 5444, Denver, Colorado 80217, USA.

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MICROPALEONTOLOGY SHORT COURSE

There will be a short course in Micropaleontology presented this summer at The University of Nebraska, June 27-July 7. The course has been designed to update industrial and academic micropaleontologists. Individuals interested in learning more information about this short course should contact the course administrator, Dr. Paul R. Krutak, Department of Geology, 418 Morrill Hall, University of Nebraska, Lincoln, Nebraska 68508, USA (telephone: 402-472-2645).

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PALEOPROTISTOLOGY SHORT COURSE

Louisiana State University will be offering a two-week course this summer at its Colorado Spring Field Camp, May 30-June 10. The course will include an introduction to the Morphology, Taxonomy and Biostratigraphy of Dinocysts, Diatoms and Coccoliths. For more information contact Dr. George F. Hart, Department of Geology, L.S.U., Baton Rouge, Louisiana 70803, USA (telephone: 504-388-2131).

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EMPLOYMENT OPPORTUNITY - PALYNOLOGIST

Gulf Research & Development Company, Houston Technical Services Center, has a future opening for an experienced palynologist with a Ph.D. or M.S., preferably with a major in Geology. Duties will include taxonomic and bio-stratigraphic projects in palynology. Applicants should apply in writing with resumes and references to Gulf Science & Technology, Human Resources, Attn: Diane S. Harriss, P.O. Box 36506, Houston, Texas 77036, USA.

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PALYNOLOGY POSITION DESIRED

Mr. Robert E. Biaggi is seeking a position as a paleopalynologist in North America, preferably with an oil company. He is a candidate for the M.S. degree in biology (Palynology-Paleobotany and is just completing his thesis "Palynology of the La Quinta Formation (Oligo-Miocene), Chiapas, Mexico" which includes description of dinoflagellates. He also has experience working with several other Cretaceous, Eocene, and Miocene palynofloras in the Pacific Northwest and has also worked on modern pollen distribution in marine sediments. He speaks fluent Spanish and English. Mr. Biaggi is 28 years old, single, and a citizen of Argentinian. His current address is Department of Biological Sciences, Walla Walla College, College Place, Washington 99324, USA.

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NEWSLETTER PALYNOMORPH

I would like to thank Fred May of the U.S. Geological Survey for sending in the winning suggestion for the March Newsletter Palynomorph. Our artist Reed Smith drew the sketch from a SEM print supplied by Fred. The sketch represents the dinoflagellate cyst (Spiniferites ramosus subsp. granosus) recovered from the Monmouth Group (Campanian-Maestrichtian) of Atlantic Highlands, New Jersey. I would like to encourage other members to send in photographs (or sketches) for use on the covers of future editions of our Newsletter. I hope to have sufficient suggestions to use a different palynomorph on each Newsletter.

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Dr. Carlos Alberto Menendez

With much regret the Museo Argentino de Ciencias Naturales announced the

unexpected death of its good friend and colleague Dr. Carlos Alberto Menendez. During his 30 years of association with the Museum he had served as Head of the Paleobotanical Division, member of the Carrera del Investigador of the Conicet and editor of the Boletin de la Asociacion Latinoamericana de Paleobotanico y Palinologia. We all regret the untimely passing of Dr. Menendez.

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DINO POEM

By popular request we include the following poem by Kent Colbath for your light entertainment.

The Lament of Nematosphaeropsis

There once was a young dino cyst
Who angrily shook with his fist,
"Tis unfair," he exclaimed
"That it's I who gets blamed
When taxonomy takes a new twist."

For the old days the dino did pine
When the world was assuredly fine;
And nobody knew
How cysts like him grew
In the midst of the vast ocean's brine.

But now he was feeling dejected
As his mock tabulation reflected,
For as workers had watched him
Then labeled and notched him,
He was with Gonyaulax connected.

As him temper grew more and more ripe
The dino continued to gripe,
"I know Wall and Dale
Will most certainly fail
If they try to connect every type!"

His depression increased where he stood
For lamenting had done little good.
And as he was thinking
To the mud he went sinking
Where his lady friends did what they could.

They all looked like small Aphrodites
So cute in their encystment nities;
But they sighed when he said,
"How I wish I were dead!
Now we'll all be called Spiniferites!"

LOST NEWSLETTERS

If you do not receive your copy of our Newsletter please let me know. I always run a few extra Newsletter copies and will be glad to mail you another one. We have recently gone to bulk mailing to save money but it does slow down delivery time. Please be patient. However, if you don't eventually receive the Newsletter write me for another copy.

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MEMBERSHIP DRIVE

As mentioned in our last Newsletter, we are trying to increase our AASP membership. A number of AASP members have extensive mailing lists. Perhaps a few of you would like to send signed AASP membership application blanks to those on your address list who are not currently members of AASP. Bill C. Elsik has offered to send blank AASP membership applications (in multiples of 100) to any member who would like to use them. Please contact him directly for the blanks: Dr. William C. Elsik, Exxon Company USA, P.O. Box 2180, Houston, Texas 77001, USA.

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ITEMS FOR NEWSLETTER

As editor I would like to encourage our members to continue sending news items which they would like to see included in our newsletter. Since it takes several weeks to prepare a newsletter for mailing I would like to set deadlines for receiving contributions. These deadlines will be: February 15 for March Newsletter; May 15 for June Newsletter; August 15 for September Newsletter; and November 15 for December Newsletter.

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NEW MEMBERS

AASP is pleased to welcome the following new members to our society:

Ethridge, Deborah L., 5028 Ursuline Avenue, Galveston, Texas 77550, USA,
Telephone: 713-763-4146

Kroker, Sid, N303 Duff Robin Bldg., University of Manitoba, Winnipeg,
Manitoba, Canada R3T-2N2, Telephone: 204-474-9492

Miller, Merrell A., 6233 Gulfton Ave., Apt. #2064, Houston, Texas
77081, USA, Telephone: 713-666-8000 (ext. 2629).

Ohlson, Dorothy G., Swedish Museum of Natural History, Section for
Paleobotany, S-104 05, Stockholm 50, Sweden.

Peterson, Kenneth L., Department of Anthropology, Washington State
University, Pullman, Washington 99164, USA, Telephone: 509-564-7791.

Rich, Fredrick J., 517 Deike Bldg., Pennsylvania State University,
University Park, Pennsylvania 16802, USA, Telephone: 814-865-6543.

Tingey, J. Craig, Department of Geology, Michigan State University,
East Lansing, Michigan 48824, USA, Telephone: 517-355-4639.

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WELCOME BACK MEMBERS

AASP is happy to welcome back the following members:

Graham, Alan K., Department of Biological Sciences, Kent State Univer-
sity, Kent, Ohio 44242, USA, Telephone: 216-672-2451.

Lieux, Meredith H., Department of Botany, Box 155, Louisiana State
University, Baton Rouge, Louisiana 70803, USA, Telephone: 504-
388-8485.

Spackman, William, 517 Deike Bldg., Pennsylvania State University,
University Park, Pennsylvania 16802, USA.

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DIRECTORY CHANGES

The following AASP members have notified the editor that their addresses have
changed.

May, Fred E., U.S. Geological Survey, Paleontology and Stratigraphy
Branch, Box 25046, Federal Center, Denver, Colorado 80225,
Telephone: 303-234-2741.

Bebout, John W., USGS, Conservation Division, 1725 K Street NW, Suite
204, Washington, D.C. 20006, Telephone: 202-254-5526.

Sverdløve, Marc, 727 Dixmyth Ave., Apt. 203, Cincinnati, Ohio 45220,
Telephone: 513-542-5535.

Bourn, Ben O., Chevron USA, Inc., 1111 Tulane Ave., New Orleans, LA 70112.

Kravosky, Elena, 8427 Silver Springs Rd. NW, Calgary, Alberta, Canada, T3B-4A6, Telephone: 403-286-6320.

O'Hara, Jim F. (incorrectly listed in last newsletter as O'Hare).

Beach, Terry L., Chevron USA, Inc. 1111 Tulane Ave., New Orleans, LA 70112, Telephone: 504-521-6594.

Ruffin, James H., Telephone: 713-757-3123.

Clippinger, Hal J., Telephone: 713-663-2329.

Emmons, Richard V., Telephone: 713-663-2316.

Griesback, Fred R., Telephone: 713-663-2157.

Griggs, Peter H., Telephone: 713-663-2305.

McNeilly, D.G.R., Telephone: 713-663-2326.

de Leon, Barbara W., Telephone: 713-778-5196.

Trotter, C.L., Telephone: 713-663-2319.

Walowee, Wally, Telephone: 713-663-2324.

Baker, Lynn E., Exxon Co. USA, Box 2180, Room 2445K, Houston, Texas 77001.

Groth, Peter K.H., Amoco Production Company, 2546 Security Life Bldg., Denver, Colorado, 80202, Telephone: 303-820-4040.

Singh, Chaitanya, Alberta Research Council, 11315-87th Ave., Edmonton, Alberta, Canada T6G-2C2; Telephone: 403-432-8071.

Lentin, J., Dome Petroleum, P.O. Box 200, Calgary, Alberta T2P-2H8

Hebda, Richard J., Department of Biology, University of Waterloo, Waterloo, Ontario, Canada, N2L-3G1

Segroves, Kenneth L., 4909 S. Utica, Tulsa, Oklahoma 74105.

Barten, H.J., c/o Woodside Petroleum Development, Box D188 C.P.O., Perth, Western Australia 6001, Australia.

Robertson, Eddie B., Mobil Oil Corp., Stratigraphic Laboratory, ESC, P.O. Box 900, Dallas, Texas 75221.

Stanley, Edward A., Telephone: 404-542-2652.

Bonnefille, Raymond, Laboratoire Geologie du Quaternaire,
CNRS 1, Piace-A-Briand, 92190 Meudon, France

Clarke, Robert T., Telephone: Ext. #288.

Morgan, Ralph A., Gulf Energy and Mineral Co., 324 N. Robinson,
Oklahoma City, Oklahoma 73102, Telephone: 405-236-3071
Ext. 378.

Benson, Don G., 506 Oakwood Dr., Gretna, Louisiana 70053.

LeBlanc, Arthur E., Telephone: 713-778-5242.

Gupta, Sujoy, 1833 Timbercreek, Garland, Texas, 75402
Telephone: 214-494-1782.

Thompson, Donald E., University of South Carolina, Aiken Campus,
Aiken, South Carolina 29801, Telephone: 803-648-6851,
Ext. 20.

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VAN GIJZEL VISITS US & CANADA

Jack Burgess informs me that Dr. Pieter van Gijzel will be visiting the United States and Canada during May and June of this year. As some of you may know, Dr. van Gijzel is an authority on quantitative fluorescence and is also known for his work in the area of dating using redeposited sporomorphs, his studies of sedimentary petrography, determining coal ranks, incidence of macerals, paleotemperature studies and evaluation of results using computer analysis. If you are interested in having Dr. Gijzel visit your palynology facility please write to him at the below address. He has indicated that he would like to visit a number of U.S. and Canadian pollen labs and would be willing to present lectures during his tour. You can reach him by writing to the Botanical Laboratory, University of Numegan, Toernooiveld, Netherlands.

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MEMBERSHIP APPLICATION FORM
AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS, INC.

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

Name: _____ Date: _____
(First) (Middle) (Last)

Address: _____
_____ Postal Code _____

Telephone: _____

Employer: _____

Nature of work (graduate student, exploration stratigrapher, etc.). _____

Signatures of sponsors (must be 1) _____
members in good standing of AASP). 2) _____

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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."

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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

Listed Name: _____ Date: _____
(First) (Middle) (Last)

Title change: _____

Name change: _____

Address change: _____

_____ Postal Code _____

Telephone change: _____

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Send to: Vaughn M Bryant, Palynology Laboratory
Texas A & M University, College Station
Texas 77843

THIRD CLASS
MAIL

MR. JAMES L. FAMES
FAMES EDUCATION CO.
BOX 591
TULSA, OKLAHOMA 74102



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OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE

VAUGHN M. BRYANT, JR.
Department of Biology
Texas A & M University
College Station, Texas 77843

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