

NEWSLETTER

American Association of Stratigraphic Palynologists, Inc.

VOLUME 11

JUNE, 1978

NUMBER 3

Vaughn M. Bryant, Jr. Editor	Texas A&M University College Station, TX 77843	Ray Christopher Assistant Editor
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ELEVENTH ANNUAL AASP MEETING

DEL WEBB'S TOWNEHOUSE HOTEL	PHOENIX, ARIZONA
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OCTOBER 24-28, 1978

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1978 MID-YEAR EXECUTIVE COMMITTEE MEETING

The AASP's Board of Directors held its mid-year meeting at the Ramada Inn in San Antonio, Texas on April 13-15, 1978. Directors present were:

W. Elsik - President	N. Frederiksen - Councilor
W. Drugg - Vice President	E. Kidson - Councilor
J. Burgess - Secretary/Treasurer	R. Pierce - Councilor
	V. Bryant - Editor

Other AASP members present included N. Norton, R. Clarke, G. Williams and J. Canright.

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

1. Accepted the Membership Report which listed a total of 622 members. Of these, 248 still have not paid their dues for 1978. Net membership increase over last year is 196.
2. Accepted the Treasurer's Report which listed total corporate assets of \$10,664.90 as of April 15, 1978.
3. Accepted the Editor's Report which listed two Newsletters and a Membership Directory as having been published and distributed since the Tulsa meeting.
 - a. Contribution Series 5a was printed by the AASP Foundation with funds donated by Exxon Company, USA and is available for sale from the Foundation.
 - b. Contribution Series 5b and 5c are still being compiled and the AASP Foundation hopes to have these volumes ready for distribution and sale soon.
 - c. Contribution Series 6 entitled "An Annotated Bibliography of Quaternary Dinoflagellate Cysts and Acritarchs," by Martin Bradford has been completed and is available from the AASP Foundation. Funds for the printing of this work were donated by Shell Canada. A flier will be sent soon to the membership concerning this new publication.
 - d. The Board of Directors approved a transfer of all copies of previous AASP, Inc. publications to the AASP Foundation for them to sell and distribute.
 - e. Contribution Series 2a is still being revised. Reprinting should be completed by the end of August, 1978 and you may place an advanced order with the AASP Foundation for a copy.
 - f. Palynology, Volume 2, is on schedule and should be ready for distribution before the 11th Annual Meeting.
4. Annual Meetings
 - a. Tulsa, 1977: Reviewed and accepted the Committee's report on the 10th Annual Meeting. The Committee reported a profit of \$2,002.12 which will be used to help defray present and future publication costs.
 - b. Phoenix, 1978: Reviewed the Committee's report. Jim Canright, chairman, reported that an early response indicated at least 125 members plan to attend. However, he felt more than 125 members would actually attend. Two symposia are planned: 1) Pollen Analysis of Holocene and Modern Deposits and 2) Microfloral Evidence of the Pennsylvanian-Permian Boundary. Invited speakers include: J. Schopf, J. Rowley and J. Gray
 - c. Dallas, 1979: Reviewed and accepted a progress report submitted by the Dallas Meeting Committee.
 - d. Denver, 1980: No report submitted.
 - e. New Orleans, 1981: No report submitted.
5. Old Business
 - a. Nominating Committee Report: A slate of candidates nominated by The Committee was presented and accepted by the Board of Directors. A complete breakdown of the candidates for each office is listed elsewhere in this Newsletter.
 - b. AASP Foundation Report: Bob Clarke and Norm Norton reported the following:
 1. Assets as of the end of 1977 were \$539.00.

2. Twenty members have joined the AASP Century Club as of April 1, 1978. More members are needed.
3. The Foundation has already distributed 325 copies of Contribution Series 5a and expects more requests.
- c. International Commission for Palynology: Jim Canright presented a report of ICP activities including their plans to sponsor the First International Palynological Conference in Cambridge, England (June-July, 1980). Jim also noted that:
 1. ICP is planning to distribute a Newsletter in the near future. Jim Canright, editor, is requesting that news items be sent to him as soon as possible.
 2. The AASP Board of Directors asked ICP to submit a statement explaining the historical involvement of AASP with ICP. This statement will be included in the next AASP Newsletter.
- d. Canadian Association of Palynologists: G. Williams reported that:
 1. The Canadian Association of Palynologists (CAP) will not conflict with AASP and that it was stated so that Canadian palynologists could form a communication network among themselves.
 2. CAP will mail two Newsletters a year to its members.
 3. CAP plans to affiliate with ICP.
 4. Anyone wishing to learn more about CAP or wishing to join, should contact G. Williams.
- e. North American Paleontological Convention: Bill Fliok read a letter from the NAPC asking AASP for continued moral support. The Board of Directors noted the fine work being done by NAPC and a recommendation for continued moral support carried unanimously.
- f. COSUNA: A request was made to include a questionnaire on COSUNA in the June AASP Newsletter (elsewhere in this Newsletter). The following COSUNA news was also reported:
 1. Barbara Whitney is the COSUNA Committee chairperson
 2. Correlation charts for the USA will be compiled and constructed similar to the Canadian format.
 3. Data for the charts will be compiled using a GYPSY computer system.
 4. Additional regional coordinators for geographical areas in the USA are needed.
 - g. Student Paper Award: The Board of Directors stated that at future annual meetings students, who in the opinion of a panel of judges, present outstanding papers, will be awarded a framed scroll and a two-year's free membership in AASP in lieu of a cash award. Whether or not to award one, (more than one or none at an annual meeting) will still be based upon the decision of the judges.
 - h. By-Laws Revision Committee: N. Norton, chairman, reported that suggested By-laws revisions are being considered. When the task is completed, the revisions will be presented to the general membership for additional suggestions and approval.
6. New Business
 - a. Honorary Membership Petitions: None submitted.
 - b. Budget Review Committee: E. Kidson was asked to examine the merits of having a Budget Review Committee and report his findings at the annual business meeting in Phoenix.
 - c. Outstanding Contribution to AASP: Two AASP members were recommended for recognition. Their awards will be presented at the Phoenix annual meeting.

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1978-1979 SLATE OF CANDIDATES

The Nominating Committee, chaired by H. Leffingwell, submitted the following slate of candidates for the upcoming AASP election:

<u>President</u> :	Sedley Barss Jack Burgess
<u>Vice President</u> :	Evan Kidson Fred May
<u>Secretary-Treasurer</u> :	John Clendening
<u>Editor</u> :	Vaughn M. Bryant, Jr.
<u>Councilors</u> :	John Bennett David Jarzen Jocelyn Legault Hugh Wingate

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PALYNOLOGY VOLUME 3

Work on volume 3 of Palynology is progressing well in spite of the weak response to our request for manuscripts. As of May 31, less than one dozen manuscripts had been received by the Assistant Editor, Ray Christopher. Most of the manuscripts received for volume 3 already have been reviewed and some have been accepted. However, before we can begin the printing process for volume 3, we need a few additional high quality manuscripts. Ray and I urge our AASP colleagues to consider publishing their articles in Palynology. As all of you know, the majority of our annual budget goes for the publication of our journal Palynology. Worldwide recognition of our new journal is gaining added support daily. However, it is your responsibility to help us make the journal something that all of us can look upon with pride. Remember, quality manuscripts by members are given priority but non-AASP members also may submit manuscripts for publication consideration. Please also note that

there will no longer be a deadline date for manuscript publication consideration. Henceforth, we will continue to collect manuscripts until we have sufficient pages to fill the next volume of Palynology. Manuscripts received after that date will be considered for the next volume. Furthermore, we will continue to use the review process and will not publish manuscripts from any source unless they are of scholarly merit.

AASP PUBLICATIONS

The AASP Proceeding Volumes 1-7 were published as volumes of Geoscience and Man by the Louisiana State University Press in Baton Rouge, Louisiana. They are still available for sale from that source should any members wish to order them.

All publications published by AASP are listed below. Persons wishing to order copies should do so from:

Robert T. Clarke
Mobil Research and Development Corporation
Field Research Laboratory
P.O. Box 900
Dallas, Texas 75221
USA

All publication prices include postage and handling charges.

Publications

Palynology

1. Volume 1, 1977 - 14 articles, 188 pages, 19 plates . . . \$ 15.00

Contribution 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. . . . \$ 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. To be reprinted, 1978.
- 3. No. 3 - Statistics in Stratigraphic Palynology: An Annotated and Indexed Bibliography by Norman D. Fredriksen. Issued June, 1974. 65 pages. . . . \$ 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 \$ 7.50
- 5. No. 5a - Tenth Anniversary Volume, Cenozoic. Issued November, 1977; 8 articles, 169 pages, 18 plates \$ 5.00
- 6. No. 6 - An Annotated Bibliographic and Geographic Review of Pleistocene and Quaternary Dinoflagellate Cysts and Acritarchs by Martin R. Bradford. Issued January, 1978. 192 pages. . . . \$ 5.00

Field Trip Guidebooks

- 1. 1968 Annual Meeting, Lower Mississippi Valley - Out of print.
- 2. 1969 Annual Meeting - Carboniferous of Western Pennsylvania - 70 pages. Cost \$3.50. Out of print.
- 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 Canyon National Parks, illustrated. Cost \$5.00.
 - b. Torrey Pines - La Jolla - illustrated. Cost \$2.00.

Abstracts of Papers Presented at Annual Meetings

	Cost
1. 1968 - Baton Rouge - Out of print.	
2. 1969 - Penn State	\$ 2.00
3. 1970 - Toronto	"
4. 1971 - Tucson	"
5. 1972 - Kingston	"
6. 1973 - Anaheim	"
7. 1974 - Calgary	"
8. 1975 - Houston	"
9. 1976 - Halifax	"
10. 1977 - Tulsa	"

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.

AEROBIOLOGY CONFERENCE

The 1st International Conference for Aerobiology will be held in München, Federal Republic of Germany, 13-15 August, 1978. The Congress is being organized by the Federal Environmental Agency (Umweltbundesamt), Federal Republic of Germany, on behalf of and in collaboration with the International Association for Aerobiology. The conference will be held in the Technische Universität München, Südgelände, Barerstr. 23, Auditorium S 0144 and foyer north of the auditorium. For more information, contact:

Conference Secretariat
Conference Aerobiology
Umweltbundesamt
Turkenstr. 38
D 8000 München 40
Fed. Rep. of Germany

FUND RAISING IDEA

At the 10th annual meeting in Tulsa, sets of prepared microscope slides containing spores and other palynomorphs from Pennsylvanian age deposits were offered for sale to attending members for \$5.00/set. These slide sets were a great success and all of them were quickly sold. In fact, judging from the response an additional 30-50 sets could probably have been sold had they been available.

If any AASP member has processed pollen samples that are of high quality, and are no longer needed, then please consider donating them to AASP as fund raising material. In that way, AASP can sell the samples and earn additional funds to help defray future publication costs. For those of you interested in helping us, I would like to suggest the following guidelines:

- 1. The samples should already be processed and sufficient residue should be available to make a minimum of 20 slides per sample.
- 2. Individual samples are not as valuable as sets. Therefore, I suggest that you try to find series of from 5-10 samples from specific stratigraphic sections which could be made into slides and sold as sets.
- 3. Before preparing the slide sets, I suggest that you contact the editor so that I can tell you whether or not anyone else might be making slides of the same deposits. Also, I can help to coordinate this project and tell you where the prepared slide sets should be sent. If there is a good response, we will set up a central distribution center for the slide sets and then advertize the sets for sale in the Newsletter.

If we receive a quick response to this request, we hope to have some slide sets ready for sale at the October AASP meeting in Phoenix. Slide sets (such as the ones sold in Tulsa) would not only raise additional funds for AASP, but would also help members broaden their teaching and reference collections. I would also welcome any suggestions you might have concerning this proposed fund raising idea or any other similar projects which also could be used to raise funds and at the same time benefit our members.

POLLEN AND SPORE ATLAS OF CANADA

A new publication entitled "An Atlas of Airborne Pollen Grains and Common Fungus Spores of Canada" by J. Bassett, C.W. Compton and J.A. Parmelle has been compiled for all those who are interested in identifying airborne pollen grains and spores. It should be of special interest to workers in allergology, botany, geology and palynology. Descriptions, light and SEM photos and keys are presented for 143 pollen and several spore types that have been found to be airborne in different areas of Canada. The general abundance, distribution of taxa, time of pollen shedding, significance in causing hay fever and other pertinent data are also included in this text. The observations were made in Canada, but most of the information also is applicable to much of the northern part of the United States. The hard-cover book will contain 4 line drawings, 707 photographs and approximately 350 pages. The price will be \$12.00 in Canada and \$14.40 (Canadian Funds) when ordered from other countries. The book is currently in press but advance order forms are available from Scientific Editing Section, Research Program Service, Research Branch, Ottawa, Ontario, Canada K1A 0C6.

PALYNOLOGIST SEEKS POSITION

Post-doctoral research and/or employment as a paleoecologist. Research experience has involved the use of petrographic analyses and palynostratigraphy of peats from the Okefenokee Swamp. Special interests concern the origin and development of peat deposits and their diagenesis to low-rank coals. Broad interests concern any type of paleoecological and paleobiogeographical reconstructions based primarily on palynostratigraphy and paleobotany. Vitae and other data upon request.

Please contact:
Dr. Frederick J. Rich
Coal Research Section
517 Deike Building
The Pennsylvania State University
University Park, PA 16802
Phone: (814)-865-6543 or 865-6545.

NEW MICROPALAEONTOLOGICAL SOCIETY

Fred Collier (Dept. of Paleobiology, Room E206, National Museum of Natural History, Washington, D.C. 20560) along with many distinguished micropaleontologists in the U.S.A., is interested in forming a new organization to coordinate activities among people working with all the different types of microfossils (forams, nannos, rads, diatoms, etc). He and his colleagues feel there is no national organization for American micropaleontologists which serves this function at present and they are taking steps to put one together (presumably, annual meetings would be held and a journal published by this new organization in the future). Fred is anxious to get input from palynologists and initially would like to compile a mailing list of them. Anyone interested in helping Fred with this endeavor is urged to contact him. AASP has already supplied Fred with a set of address labels of its members so that he can conduct a poll of our members to see if there is sufficient interest in forming such an organization.

The winning palynomorph suggestion (*Spinidinium* sp) for the June Newsletter was sent by Fred May. The palynomorph was recovered from Lower Maestrichtian deposits of the Upper Cretaceous in New Jersey. The excellent drawing was done by our artist, Ms. Edie Schaffer.

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LETTERS TO THE EDITOR

Dear Editor:

I noted in attempting to identify which issue of the newsletter I required that its identification by Volume and number does not conform with the calendar year. Thus, the publication date of "Volume II, no. 1" is given as December 1977 and that of "Volume II, no. 2" as March 1978. Most periodicals, be they of scientific or of lay origin, will be found to conform in numerical identification to the calendar year. Publication based upon "AASP year" does not facilitate bibliographic cataloging or expedite data retrieval. Therefore, I would suggest that numerical identification of this periodical, as a significant representative of our discipline, be brought into conformance with the calendar year as soon as possible.

H. Tate Ames

Comment: The numbering system of the Newsletter currently conforms to the term of office held by each new set of Board of Directors. Since each new term begins in October, the next Newsletter (December) is numbered as No. 1 of the next volume. I shall discuss this matter with the other members of the Board of Directors at our next meeting in October.

Dear Editors:

I am writing in response to your excellent March newsletter for the American Association of Stratigraphic Palynologists, Inc. The newsletter is a way for members to be in touch with news and activities of other colleagues. The AASP membership Directory is most helpful and I think we all appreciate the importance of your new journal *Palynology*. The international flavor of both make it particularly valuable.

Though there are not a large number of members yet on our campus, I make a point of posting AASP newsletter on our bulletin board. Keep up the good work.

Estella B. Leopold

Comment: Ray and I very much appreciate your kind remarks. The task of editor is time consuming and is often greeted by letters of complaints concerning some mistake or errant policy someone thinks we have committed. Fortunately, we always knew there was a "silent majority" out there who appreciated our efforts. We were glad to hear from one of them!

Dear Editor:

In Vol. II, No. 2, there is a letter from S.K. Srivastava about ICP and its relationship to AASP. Dr. Srivastava unfortunately did not seek correct information before shooting from the hip. I fear that his unfortunate untruths will be remembered long after the correction of them.

1. The ICP President is nominated and elected by Council in a mail ballot. There are about 20 members of Council, representing mostly the constituent societies. This seems to be the only practical way to hold the election - a ballot of all palynologists in all constituent societies would cost many hundreds of dollars.
2. The Secretary-Treasurer is nominated by the new President but must be confirmed by the Council in a mail vote. This procedure was decided to prevent Secretary-Treasurer and President from being from opposite ends of the Earth. Srivastava owes Geoff Norris an apology. Dr. Norris is not "my secretary" as Srivastava asserts but Secretary-Treasurer of ICP. "My secretary", to the extent I have one, is an unpaid operative - my wife. The Vice-Presidents are elected by mail ballot from among the Council members. At least one must represent paleopalynology and at least one actopalynology.
3. It should be emphasized that, contrary to Srivastava's letter, Councilors are selected by the constituent societies - the ICP President and Secretary-Treasurers have nothing to do with it. For example, AASP selected Colin McGregor and Jim Canright. The only non-elected members of Council are the immediate past - President (as is customary in most societies, for continuity) and not more than two co-opted members (confirmed by Council) for areas with no palynological society. The only such Councilor at the moment is Geoffrey Playford for Australia, who was selected and confirmed following considerable consultation. The Constitution permits only two co-opted members. We plan to use the other permitted co-option for a councilor from mainland China if we can succeed in getting in touch with palynologists there and if they don't have a society that could nominate a councilor for themselves.
4. Srivastava's implication that travel by Traverse to Toronto is the major item in ICP's budget is libelous and simply untrue. There is a very large volume of necessary work, and since we can get together by car, it is very desirable. Our meetings have been very productive, and we have charged only a modest amount of the cost to ICP's account. For example, when Dr. Norris came to State College in February, 1978, he was my house guest, and I covered all his living expenses personally. Most of ICP's budget goes for postage and printing!
5. Traverse did not seek election to the ICP presidency, was instituted as President in absentia and, believe me, I seek only to assist in getting the international organization of palynology on a sound footing before stepping down in 1980. A previous AASP Board got me into this by putting me on ICP Council as AASP representative, and I would greatly appreciate the loyal help of my many old AASP comrades!

Alfred Traverse,
President, ICP

Comment: Perhaps I shouldn't comment since I am biased, but I feel I must. I have been a member of AASP for 10 years and have known Al Traverse even longer. I support what ICP is trying to achieve and feel that AASP has a moral obligation to try and help ICP as much as possible. I commend Al for agreeing to assume the heavy responsibility of being ICP president; many others would not have been willing to do so. As a person, I know Al to be a person of unscrupulous honesty. I have no fear that he is spending ICP funds for any items which are not critical to the present development and growth of ICP. Frankly, in my opinion, I think some of the AASP members have blown this entire issue completely out of proportion. Hopefully, in the next issue of the AASP Newsletter we can clarify the entire issue by reviewing the historical relationship between ICP and AASP.

Dear Editor:

Enclosed is a recipe which may be of interest to AASP members. Especially those who may have blundered their work and wish to destroy the evidence by eating it. The recipe is as follows:

CATTAIL POLLEN CAKES
(protein breakfast or lunch food or leftover material from your last project)

The pollen could be collected by bending the male spike of the cattail over a deep bowl and shaking or dusting the pollen in the bowl. The pollen when gathered in great quantities could be mixed with wheat or corn flour.

For the cakes:

- | | |
|---|---------------------------|
| 1 cup sifted cattail pollen | 1 tbs. honey |
| 1 cup fine white corn meal or cattail flour | 2 eggs, lightly beaten |
| 3 tsp. spicebush leaves, chopped fine | 1 1/2 cups water or broth |
| | 2 tbs. sunflower seed oil |

Blend all ingredients together thoroughly to a smooth batter. On a very hot, greased griddle, ladle the batter out into 4 large cakes.

Cook 3 to 5 minutes, until bubbles form in surface, then flip and finish cooking. Serve hot with nut butter and maple syrup.

Michael Zavada

Comment: Your suggestion beats looking through a microscope any day!

Dear Editor:

I don't like the new format of the AASP Newsletter (June, 1978). I had gotten used to the old format and then you changed it in the March, 1978 Newsletter. Now you have changed it again! I object to the reduced size of the print, it hurts my eyes which are already sore from looking through a microscope too much. Why didn't you arrange the pages in a booklet form? Why did you print it on both sides of the paper? Why do you mail it out by the slowest mail rate possible? In short, can't you ever do anything right?

The Vocal Minority

Comment: The answer to most of the above questions is simple; AASP must now pay for the printing and mailing of each Newsletter. As editor, I keep trying to find the cheapest method of getting the most amount of information to all the members. In this time of rapid inflation (our USA postal rates just went up again this month), we can either raise the AASP dues and produce a "fancy" Newsletter or we can try to hold the dues structure at their present rates and instead try to cut our operation costs and raise the needed additional funding through the AASP Foundation Century Club, by selling microscope slide sets and by sponsoring other similar fund raising projects. One final point, I didn't arrange the pages in booklet form because some AASP members stated that they keep the Newsletters in 3-ring binders and that a booklet format would be difficult to read using that storage system.

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PALYNOLOGIST WANTED

We are searching for an Assistant Professor, to teach undergraduate and graduate courses in palynology and/or paleobotany and share teaching of introductory geology courses. Ph.D. required. Salary competitive. Send transcripts of grades, three letters of reference, and a letter of application describing teaching and research interests to: Thomas J. Carrington, Head, Department of Geology, Auburn University, Auburn, Alabama, 36830. Telephone (205) 826-4282. Auburn University is an equal opportunity/affirmative action employer.

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BOOK REVIEW

A REVIEW OF GONDWANA PERMIAN PALYNOLOGY WITH PARTICULAR REFERENCE TO THE NORTHERN KAROO BASIN, SOUTH AFRICA. (The Biostratigraphy of the Permian and Triassic, Part 3) - J.M. Anderson. 1977. Mem. Bot. Surv. South Africa, No. 41, Dpt. of Agricultural Technical Services, Pretoria. 67 pp., 188 pl. R.6.50.

Despite its status as the third part of a serial publication, this work is available in a soft cloth cover as a single volume, and it certainly constitutes an important palynological work in its own right. Anderson sets out to review the literature on the palynology of the Permian of Gondwanaland, relating earlier work to his own studies in the Karoo. The scope of this undertaking can be seen in the fact that some 220 papers have been published on Gondwanan palynology since 1955, recording 283 genera and 749 species. Anderson's work consists of a short text of some 67 pages, followed by a comprehensive series of systematic, stratigraphic distribution charts, together with 188 plates illustrating 5,000 specimens. Out of this prolific brew of Gondwanan palynology Anderson distills only 23 genera, within which he recognizes 133 species. From 36 sections (mainly bore-holes). These species form the basis of 21 spore zones through the Karoo sequence, some characterized by a small number of species restricted to the zone, while other zones are defined on an "overlapping range" basis.

What prevents this work from being simply another paper on Permian spores is the extent and thoroughness of the collated review of Gondwanan Permian palynological literature. For every species, a map of the reassembled Gondwanan continents shows the localities where it has been recognized, while a generalized section shows its stratigraphic range in any of 23 Gondwana basins of deposition. The references are also indexed alphabetically by the author, chronologically and on a regional basis, with a brief coded summary of the scope of each paper.

WELCOME NEW MEMBERS

and typification of taxa) with a more orthodox approach. Fortunately the compromise he achieves lies well in the latter direction, for he sustains previously published binomials, and acknowledges the status of their holotypes. But he also makes a valuable gesture towards the Hughesian approach in illustrating a large number of specimens from each of his species-populations, indicating clearly the number and provenance of the specimens on which each population concept is based. He then assesses the similarity and overlap between his measured populations, basing each of his species either on one such population, or a grouping of several overlapping ones. On the whole, Anderson is a "lumper"; and although he does not place earlier taxa in formal synonymy with those he recognizes, he records for each species other "closely related species," indicating with a graded series of symbols their degree of similarity to the species in question.

One of the more controversial aspects of this work is the author's determination to assign the genera based on spores to higher botanical categories. As a result, all bisaccate striate pollen are included in the "Glossopteridophyta," in spite of the fact (acknowledged by the author) that certain of these pollen genera are abundant in the European Permian where, of course, Glossopterid macro-fossils are unknown. The strong similarity of Gondwanan spore genera to their northern counterparts, which belies the contrast in the macro-fossil floras, remains a challenging enigma of Permian palaeobotany.

Inevitably in a project of this scope one can find details to criticize; but the totality of the work is undoubtedly a major contribution to Gondwanan palynology. The extent to which Anderson's zonation will allow correlation with other parts of Gondwanaland, and his rather broad species concept be sustained by other workers, can only be judged in the light of subsequent work. But the sheer body of information that has been brought together, and the very helpful way in which the distribution charts and the population photos have been set out, make this work a model for any palynological study.

V.G. Chaloner, Birkbeck College, London, England.

(Reprinted from International Organization of Palaeobotany Newsletter No. 5, January, 1978, by permission of the editor).

ATLAS OF AIRBORNE POLLEN GRAINS AND SPORES IN NORTHERN EUROPE. S. Nilsson, J. Pragowski, L. Nilsson and Natur och Kultur, 1977. Ljungforetagan Sweden, 159 pages, 170 Sw. crowns.

The atlas was compiled as part of an ongoing project connected with the current aeropalynological research being conducted in the Nordic counties of Europe by the Palynological Laboratory of Sweden. The hard-bound atlas contains illustrations (LM, SEM and TEM), complete descriptions, plant distribution maps and the flowering periods for each of the 74 pollen and spore taxa discussed in the book. According to the authors, the specific reasons for selecting the 74 palynomorph types discussed in this atlas were that each taxon is found in the Nordic regions of Northern Europe and each is representative of a single species. Both anemophilous and entomophilous types are represented among the 74 types selected for study. The illustrations used in this atlas are superb, and should serve as a useful research tool for persons in many subspecialties of palynology from oil exploration to pollen morphology. Unlike most of the other pollen atlases and pollen keys which have been published in recent years, this work contains a combination of well detailed LM, SEM and/or TEM photographs for each major pollen or spore type discussed. The number of photographs used to illustrate each taxon ranges from 5-9. In addition to SEM photographs of whole grains in either polar or equatorial view (or both), certain taxa are also illustrated by SEM photographs of freeze-dried sections of grains showing the detailed structures found in the foot layer, columellae and tectum. The LM photographs illustrate each grain in the polar and equatorial view and show both the surface sculpturing and exine morphology. Pollen and spore descriptions are complete, well organized and easy to use for comparisons from one grain to the next. In addition, the descriptions are based upon a combination of LM, SEM and TEM observations of each taxon. Other sections of the atlas, which are especially useful, include a glossary of terms used in the book, a section illustrating the plane shapes of pollen grains and spores and an index of plant names used in the book. This last section is particularly useful since it gives the correct names and spellings for each plant in five different languages in addition to Latin. The only drawback to using this atlas is the lack of a pollen key to the types illustrated. On the other hand, the reader will soon forget this minor oversight after looking at the excellent illustrations and reading the precise descriptions. It is the type of reference book which belongs on the library shelf of any serious palynologist.

Vaughn M. Bryant, Texas A&M University, College Station, Texas, USA.

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CORRELATION OF STRATIGRAPHIC UNITS OF NORTH AMERICA (COSUNA)

Barbara L. Whitney (University of Washington) reports that L.R. Wilson (University of Oklahoma & Oklahoma Survey) served as the AASP Representative to the Steering Committee of COSUNA at its April meeting, held in Oklahoma City during the AAPG National Meeting. Dr. Wilson states that interest in COSUNA has grown since the GSA meeting last fall in Seattle, and that new people have been added to the committees in each of the U.S. regional subdivisions. Designation of regional co-ordinators is complete; only two designated co-ordinators have yet to accept their appointments. COSUNA's Technical Stratigraphic Committee has provided chronostratigraphic series-stage charts for the Regional Co-ordinators. The Committee has selected worldwide ("global") series and stages, as well as North American stages. In the case of the California Tertiary, local stages will undoubtedly be submitted as the data-gathering progresses. How the Precambrian will be subdivided for the project is still under consideration by the Committee.

The societies represented on the Steering Committee of COSUNA have been asked to assemble Review Boards to examine the draft copies of the stratigraphic charts (see COSUNA Questionnaire, this Newsletter). As soon as each chart is revised and completed, it will be published.

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AASP is happy to welcome the following new members:

- Maiale, Nita Jane, Dept. of Botany, Ohio State University, 1735 Neil Ave., Columbus, Ohio 43210, Telephone: (614) 422-8765.
- Woollam, Ronald, Dept. of Geology, The University, St. Georges Square, Sheffield, England S1 3JD, Telephone: 0742 78555.
- Wheeler, James William, 1083 General Purpose Building, University of Saskatchewan, Saskatoon, Saskatchewan S7N 0W0, Telephone: (306) 343-3502.
- Boulter, Michael C., N.E. London Polytechnic, Romford Road, London E15 4LZ England, Telephone: 01 555 0811 ext 61.
- Ripper, David Theo, 14 Church St., Toorak, Victoria, Australia 3142, Telephone: 208186.
- The University of Tulsa, Sidney Born Technical Library, 1133 North Lewis, Tulsa, Oklahoma 74110.
- University of Houston Libraries S 02120, Attn: Central Serials Record, 4800 Calhoun Road, Houston, Texas 77004.
- University of Toronto Library, Serials Department, Toronto, Ontario, Canada M5S 1A5.
- Nicholls State University Library, Serials Department, Attn: Crochet, Thibodaux, Louisiana 70301.
- Laboratory of Palaeobotany and Palynology, Attn: Dr. W. Punt Heidelberglaan 2, (De Uithof), UTRECHT: The Netherlands.
- Petro-Canada Exploration Inc., 650 Guinness House, 727 7th Ave., S.W., Calgary, Alberta T2P 0Z6, Attn: Dace Budrevics, Librarian.
- Hunt Institute for Botanical Documentation, Carnegie-Mellon University, Pittsburgh, Penn. 15213, Attn: Anita T. Karg, Archivist.
- Odeboye, Olaniyi, Dept. of Geology, University of Ife, Nigeria. Telephone 2290 (Ife).
- Ediger, Volkan S., Turkish Petroleum Corp., TPAO Arastirma Grubu, Mudafaa Cad. No. 22, Ankara, Turkey.
- Laseski, Ruth A., Brown University Dept. Geological Sciences, Box 1846, Providence, RI 02912. Telephone: (401) 060-3330 or 3339.
- Powis, Gary David, Dept. of Geology, University of Western Australia, Nedlands 6009.

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DIRECTORY CHANGES

- Burden, Elliot, Dept. of Geology, University of Calgary, Calgary, Alberta Canada T2N 0Z7.
- Piasecki, Stefan, Institute of Historical Geology and Palaeontology, University of Copenhagen, Oster Voldgade 10, DK-1350 Copenhagen K, Denmark.
- Stolar, John, Box 29, Cheyney State College, Cheyney, Penna. 19319. Telephone: (215) 399-6880 ext. 349.
- Tan, J.T., Dept. of Geology, The University of Calgary, Calgary, Alberta T2N 1H4. Telephone: 284-6596.
- Lund, Fens F., Deutsche Texaco, D3101 Wiedze, W. Germany. Telephone: (05146)310.
- Urban, James B., P.O. Box 1885, Richardson, Texas 75080, (Urban & Assoc.).
- Habib, Daniel, Dept. of Environmental & Earth Science, Queens College, 65-30 Kissena Blvd., Flushing, N.Y. 11367.
- Delcourt, Paul A., Dept. of Geological Sci., University of Tennessee, Knoxville, Tenn. 37916. Telephone: (615) 974-2366.
- Delcourt, Hazel R., Environmental Sci. Div., Oak Ridge National Lab., Oak Ridge, Tenn. 37830 and Grad. Program in Ecology, Univ. of Tenn., Knoxville, Tenn. 37916. Telephone: ORNL: (615) 483-8611; UT: (615) 974-3065.
- Benson, Don G., Jr., Amoco Prod. Co. P.O. Box 50879, New Orleans, La. 70150. Telephone: (504) 586-6315.
- LeBlanc, Arthur E., Telephone: (713) 778-5368.
- Dawson, Carol A., Amoco Prod. Co., Security Life Bldg., Denver, Co. 80202. Telephone: (303) 820-4111.
- Stacy, Howard E., Esso Australia, Ltd., G.P.O Box 4047, Sydney, N.S.W., Australia 2001. Telephone: 20557.
- Wharton, David Ian, Exploration Dept., Suite 3000, Sohio Petro. Co., 100 Pine St., San Francisco, Cal. 94111. Telephone: (415) 445-9552.
- Fournier, George R., Telephone: (713) 778-5357.
- Richardson, John B., Dept. of Palaeontology, British Museum (Natural History), Cromwell Rd., London SW7 5BD.

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CORRELATION OF STRATIGRAPHIC UNITS OF NORTH AMERICA

I am calling upon AASP members to offer their expertise to the COSUNA project. If you would like to take an active part in the project, your input would be most welcome; your involvement would insure that palynological information is put out on a regional basis by a co-ordinator for each region (see the AASP Newsletter of 12/77 and of 3/78. Data sheets will be used to compile information on each unit, such as its age, lithology, thickness, fossils, etc.; the final format for the data sheets has not yet been decided upon. The data will be computerized for storage in GYPSY. Once the preliminary correlation charts are compiled, they will be examined by various Review Boards, which are expected to provide additions, emendations, etc. The AASP will be represented by such a board, and again, I welcome the assistance of any AASP volunteers. If you are interested in aiding in the data compilation or in serving on the Review Board, please fill out the following questionnaire, which will help me organize and tabulate your responses. I will forward your responses to the co-ordinator of the appropriate region if you express an interest in the data compilation; if you are interested in serving on the AASP Review Board, I will keep your name on file until time to select the board member.

Name of AASP member: _____

Current mailing address: _____ ;
Phone: () _____

Stratigraphic unit(s) on which you can provide data: _____

Age of unit(s) _____

Type(s) of palynomorphs used in your investigation of the above-named unit(s): _____

General geographic area(s) in which above-named unit(s) was/were investigated: _____

Are there any boundary problems you are particularly concerned with, and if so, what are they? _____

Would you consider serving on AASP's Review Board? _____
(No firm commitment need be made at this time.)

Even if you cannot take an active role in the project, would you still like to follow its progress? _____ If so, I will send you periodic bulletins.

Thank you for your assistance!

Barbara L. Whitney
Department of Geological Sciences, AK-20
University of Washington
Seattle, WA 98195

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: _____

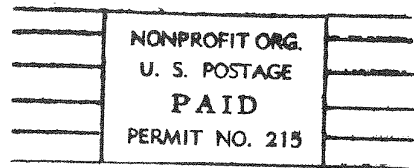
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_____ Postal Code _____

Telephone change: _____

* * * * *

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

ANTHROPOLOGY RESEARCH LAB.
TEXAS A&M UNIVERSITY
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