

## NEWSLETTER

### AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS, INC.

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

Eleanora I. Robbins, Correspondent  
Eloy Salas, Correspondent

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### REMINDER

AASP 9th Annual Meeting  
jointly with the  
Commission Internationale de  
Microflore du Paleozoique  
Chateau Halifax  
Halifax, Nova Scotia, Canada  
October 12-16, 1976

RETURN YOUR ADVANCE REGISTRATIONS NOW  
(If you need more information, contact Sedley Barss.)

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### 1976-1977 AASP OFFICERS

Dick Hedlund, Chairman of the Ballot Committee, reports that the following persons have been elected to the office designated and will serve on AASP's Board of Directors during the coming year:

President:	Richard L. Pierce
Vice-President:	John A. Clendening
Sec.-Treasurer:	Jack D. Burgess
Editor:	Vaughn M. Bryant, Jr.
Councilors:	Raymond F. Malloy
	G. K. (Joe) Guennel
	Kenneth M. Piel

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# PROGRAM

## Monday, October 11

5:00- Registration, foyer of Baronet Room, Chateau  
8:00 pm Halifax, Hotel.

## Tuesday, October 12

8:00 am Registration

**ACRITARCH FORUM** Baronet Room  
Convenor: **C.Downie**, University of Sheffield.

9:00 am **C.Downie** : Introductions and comments.

9:25 am **P.J.Hill** : Observations regarding the nature and classification of *?Baltisphaeridium pilaris*.

9:50 am **W.A.S.Sarjeant** : The supposed Silurian dinoflagellate cyst *Arpylorus* Calandra: a restudy of the type material.

10:15 am Coffee break.

10:35 am **S.M.Rasul** : The zonation of acritarch species of potential stratigraphic significance in the Tremadoc of Shineton Shales, Shropshire, England.

11:00 am **E.R.Padovani & J.B.Urban** : A study of the morphology and distribution of the acritarch subgroup *Prismatomorphitae* and related forms from the Cedar Valley Formation of Iowa.

11:25 am Discussion.

12:00 am Lunch.

**DINO UPDATE**, Baronet Room  
Convenor: **W.R.Evitt**, Stanford University.

1:30 pm **V.D.Wiggins** : Upper Triassic-Lower Jurassic dinoflagellates.

1:55 pm **G.Dörhöfer** : Dinoflagellate cysts from the German Albian.

2:20 pm **S.B.Manum** Palynoevents and evolution of the Norwegian-Greenland Sea.

2:45 pm Discussion.

3:00 pm Coffee Break.

- 3:30 pm **D.McLean, F.E.May, B.L.Whitney, D.G.Benson, D.K.Goodman & R.K.Witmer** : Taxonomy and biostratigraphy of Upper Cretaceous and Tertiary dinoflagellates from the Atlantic Coastal Plain.
- 3:55 pm **B.Dale** : Acritarchous cysts of the dinoflagellate *Peridinium faeroense* Paulsen.
- 4:20 pm **W.R.Evitt** : Comparative morphology of the *Spiniferites*-complex.
- 4:45 pm Discussion.
- 7:00 pm Registration.
- 7:30 pm Executive Committee Meeting.
- 8:30 pm Icebreaker, Baronet Room.

### Wednesday, October 13

- 8:00 am Registration.

#### TECHNICAL SESSIONS, Baronet Room.

- 8:30 am Opening Ceremonies.

#### CONTINENTAL DRIFT & FLORAL PROVINCIALISM

Presiding: **H.J.Sullivan**, Amoco Canada and **G.F.Hart**, Louisiana State University.

- 9:00 am **N.Rast** : University of New Brunswick; Invited paper. The sub-Mesozoic continental basement of Eastern Canada and its extension in Europe.
- 9:40 am **G.F.Hart** : Paleoclimate, Paleofloral and Global reconstruction for the Phanerozoic.
- 10:00 am **H.L.Cousminer** : Palynoflorules of Jurassic Circum-Gulf salt: age, environment, and source.
- 10:20 am Coffee Break
- 10:40 am **M.Dettmann**: Invited paper; Australian Cretaceous phytogeography: a palynological perspective.
- 11:20 am **R.Kyle** : The Permian and Triassic Palynology of South Victoria Land, Antarctica.
- 11:40 am **J.W.Bebout & A.Traverse** : Paleoclimatic reconstruction for the Golden Valley Formation (Paleocene-Eocene) of North Dakota, based on overlapping geographic ranges of overlapping "relict genera".
- 12:00 am **D.M. Jarzen**: Some Maastrichtian palynomorphs and their phytogeographical and paleoecological implications.

- 12:20 pm** Lunch.
- 2:00 pm** **G.L.Williams & J.P.Bujak** : North Atlantic Cenozoic dinoflagellates.
- 2:20 pm** **J.K.Lentin** : Provincialism in Upper Cretaceous fossil peridinioids.
- 2:40 pm** **G.L.Waanders** : Paleogeographic aspects of the Monmouth Group microflora, Monmouth Co., New Jersey.
- 3:00 pm** Coffee Break.
- CORRELATION TECHNIQUES**  
Presiding: **G.F.Hart** .
- 3:20 pm** **F.X.Miller**: Amoco Ltd; Invited paper: Composite standard time units: a new concept for biostratigraphy.
- 4:20 pm** **R.A.Christopher** : Quantitative palynologic correlation of three Campanian- and Maastrichtian-aged sections (Upper Cretaceous) from the Atlantic Coastal Plain.
- 4:40 pm** **D.K.Goodman**: Dinoflagellate "community" succession and dominance-diversity gradients, Nanjemoy Formation (Lower Eocene), Maryland Coastal Plain.

### **Thursday, October 14**

#### **PALAEOZOIC PALYNOLOGY**

Presiding: **B.Owens**, Institute of Geological Sciences.

- 9:00 am** **J.B.Richardson** : Kings College, London; Invited paper: A tentative scheme of miospore zones for some Devonian sequences in the Northern hemisphere.
- 9:40 am** **D.G.Smith** : The occurrence of Lower Paleozoic acritarchs in Ireland.
- 10:00 am** **G.Playford** : Lower to Middle Devonian acritarchs from the Moose River Basin, Ontario.
- 10:20am** Coffee Break.
- 10:40 am** **A.B.Reaugh**: Acritarch assemblages from the ?Couvinian-Tournaisian Chattanooga black shales in Northwestern Tennessee, U.S.A.
- 11:00 am** **J.A. Clendening**: Cambrian acritarchs from eastern Tennessee and western Virginia, U.S.A.
- 11:20 am** **M.Streel & A.Traverse**: Spores from the Devonian/Mississippian transition in the Horseshoe Curve Section near Altoona, Pennsylvania.
- 11:40 am** **B.Owens, C.Downie & M.J.Reynolds**: Micropaleontology of Devonian sediments from a borehole in Oxfordshire, England.

12:00 am Lunch.

#### GENERAL PALYNOLOGY

Presiding: **A.Traverse**, The Pennsylvanian State University.

1:40 pm **F.E.May & D.G.Benson**: Variability in selected peridinioid cysts.

2:00 pm **J.Jendrzejewski & G.F.Hart**: Distribution of siliceous microfossils in surficial bottom sediments of the Gulf of Mexico.

2:20 pm **P.G. Gensel**: Studies of the morphology and ultra-structure of some *in situ* Devonian spores.

2:40 pm **G.Weir & E.Thurston**: Studies of Late Quaternary fossil *Pinaceae* pollen from a northern Idaho peat bog.

3:00 pm **V.M.Bryant**: The role of palynology in archeology.

3:20 pm Coffee Break.

3:40 pm **D.J.Nichols & H.L.Ott**: Biostratigraphy and evolution of the *Momipites-Caryapollenites* lineage in the Early Tertiary of the Wind River Basin, Wyoming.

4:00 pm **N.O.Frederiksen & R.A.Christopher**: Taxonomy and biostratigraphy of Late Cretaceous and Paleogene triatriate pollen from South Carolina.

4:20 pm **F.E.May**: Dinoflagellate paleoecology of the Monmouth Group (Upper Cretaceous) Atlantic Highlands, New Jersey.

4:40 pm **R.Aurisano & D.Habib**: Upper Cretaceous dinoflagellate zonation of the subsurface Toms River section near Toms River, New Jersey.

8:00 pm Smoker in Baronet Room.

#### Friday, October 15

#### PALAEOZOIC PALYNOLOGY

Presiding: **M.Streel**, University of Liège.

9:00 am **B.Owens<sup>\*</sup>, S.Loboziak & V.Teteriuk<sup>\*</sup>**: <sup>\*</sup>Institute of Geological Sciences; Invited paper: Palynological subdivision of the Dinantian to Westphalian deposits of northwest Europe and the Donetz Basin of the USSR.

9:40 am **J. Utting**: Lower Karroo pollen and spore assemblages from the coal measures and underlying sediments of the Siankondobo coalfield, Miz-Zambezi Valley, Zambia.

10:00 am **M.F.Whitaker & M.A.Butterworth**: Palynology of Carboniferous strata from the Ballycastle area, County Antrim, Northern Ireland.

- 10:20 am** Coffee Break.
- 10:40 am** **G.Clayton, K.T.Higgs & J.B.Keegan** : The Dinantian palynostratigraphy of the British Isles.
- 11:00 am** **L.E.Eames** : A palynologic interpretation of the Devonian-Mississippian boundary from northeastern Ohio, U.S.A.
- 11:20 am** **J.B.Richardson & S.M. Rasul** : Lower Devonian spores and reworked acritarchs from the Witney borehole, southern England, and their geological implications.
- 11:40 am** **H.L.Cousminer & W.Manspeizer** : An Autunian palynoflorule from Khenifra on the Moroccan Meseta.
- 12:00 am** Luncheon, business meeting and group photograph.

### **PALYNOLOGY OF CONTINENTAL MARGINS**

Presiding: **S.Jardine** , Elf-R.E., France.

- 2:00 pm** **J.A.Wade** : Geological Survey of Canada; Invited paper: The geological history of the northeastern margin of North America.
- 2:40 pm** **J.P.Bujak, M.S.Barss & G.L.Williams** : Kerogen type and thermal alteration in Scotian Shelf, Grand Banks and Labrador Shelf wells.
- 3:00 pm** **H.Sabry & F.Poeltl** : Biostratigraphic framework of Mesozoic sediments of the continental margin off Nova Scotia.
- 3.20 pm** Coffee Break
- 3:40 pm** **H.S.Walton & A.A.Berti** : Upper Triassic and Lower Jurassic palynology of the Grand Banks Area, Eastern Canada.
- 4:00 pm** **D.Habib** : Cretaceous dinoflagellate and sporomorph zonations at D.S.D.P. Site 391C and its correlation in the North Atlantic.
- 4:20 pm** **D.Habib, M.Arthur et al** : Sporomorph sedimentation in Cretaceous carbonaceous facies, Vigo Seamount.
- 4:40 pm** **R.W. Pierce & G.F.Hart** : Preferential preservation among calcareous nannofossils from bottom of Gulf of Mexico.
- 7:00 pm** Executive committee meeting.

### **Saturday, October 16**

- 8:30 am-5:00 pm** **FIELD TRIP**  
Leader: **D.C.McGregor**

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## 1976 ANNUAL BUSINESS MEETING

The Ninth Annual Business Meeting will be held from 12:15 to 2:00 P.M., Friday, October 15th, in a room that will be announced at the meeting. A general agenda for the meeting is as follows:

- |                                 |               |
|---------------------------------|---------------|
| 1. INTRODUCTION                 | K. M. Piel    |
| 2. MEMBERSHIP REPORT            | J. D. Burgess |
| 3. TREASURER'S REPORT           | J. D. Burgess |
| 4. EDITOR'S REPORT              | R. L. Pierce  |
| 5. OLD BUSINESS                 |               |
| 6. NEW BUSINESS                 |               |
| 7. OUTGOING PRESIDENT'S ADDRESS |               |
| 8. ADJOURNMENT                  |               |

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## EXECUTIVE COMMITTEE MEETINGS

The Executive Committee will meet at 7:30 P.M. on Tuesday, October 12th and 7:00 P.M. on Friday, October 15th. All members are invited to the meetings and new officers are urged to attend the Tuesday evening meeting. The meeting room will be announced at one of the technical sessions. Any member may obtain a copy of the minutes of the meetings from Jack Burgess.

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## PROCEEDINGS VOLUMES - STATUS

The latest word from Ruth Hubert is that the Calgary Proceedings volume has been at the printer since the 1st of August. We had hoped to have it out in mid-August, but it now looks as if it will not be distributed until sometime in October.

Arrangements have been made with Hart Graphics of Austin, Texas, to publish the Houston Proceedings volume. With the exception of a revised manuscript

that was apparently lost in the mail, we are waiting only on some drafting revisions to go into production. The target month for distributing the Houston Proceedings volume is March, 1977.

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### A MESSAGE

It is unfortunate that the Journal of Paleontology does not publish more papers in palynology. Part of this lack results from the fact that few palynologists send manuscripts to our editors. In a sense an editor is a captive of his authors. It is impossible to publish a manuscript which has not been submitted.

Because few palynologists see the Journal of Paleontology, few are aware of the Paleontological Society Memoir Series. These are publications which appear at irregular intervals. They are mailed and distributed with the Journal of Paleontology. This means that they go to more than 1,200 libraries world-wide, as well as more than 2,000 individuals. The problem with the Memoir series is that the author must finance it. Page charges are about \$75.00 per page. Before there are cries of horror, one should note that illustrations in the Journal of Paleontology are outstanding and, provided there is no black back-ground, they cost no more than a page of print. Further, each page of print is about 2.4 pages of manuscript. If a manuscript is scientifically acceptable, and is of sufficient length to warrant Memoir publication, it will appear almost immediately.

There may be a palynological manuscript about to be finished by one of the AASP members. If you have never considered publication as a Paleontological Society Memoir, it is worth considering. I can assure you that the Paleontological Society would welcome your inquiry.

Ellis L. Yochelson  
President, Paleontological Society

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### AN INVITATION

Colleagues interested in groping toward a basis from which to develop a generally acceptable palynological nomenclature for Tertiary fossil plants are invited to contact Norm Frederiksen or Tate Ames concerning their view as to if or when *Pollenites* was validly published as a generic name. At the moment, we are of the opinion that *Pollenites* was not validly published in the 1st of the papers produced by Potonie in 1931. He did not provide a generic description, which was required in 1931 and is still required (per Art. 32, 1972 ICBN) when more



than one species is attributed to a genus. It also follows, per Art. 43, 1972 ICBN, that none of the species names proposed in that paper were validly published. We would appreciate constructive comments concerning *Pollenites* and its subordinate taxa treated in this and subsequent papers published by Potonie in that year. Only with general understanding and discussion now can existing problems be effectively attacked with any hope of gaining something approaching a consensus.

We anticipate that such matters initially should be discussed via: 1) a forum in the AASP Newsletter, 2) by personal communication, 3) gatherings at the annual AASP meeting.

Are there others out there who believe that sleeping dogs, unfortunately, will not lie forever? Let's hear from you, loud and clear!

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## MAPS

According to Norrie Robbins, some excellent maps have become available through the USGS. These include:

1. The Geothermal Gradient Map of North America. \$4.00.
2. The Subsurface Temperature Map of North America. \$4.00.

They are available from:

Branch of Distribution  
USGS  
Box 25286, Federal Center  
Denver, Colorado 80225

There are numerous other maps available through the USGS that are pertinent to palynological studies. A list of these maps can be secured from the above office or from:

Branch of Distribution  
USGS  
1200 South Eads Street  
Arlington, Virginia 22202

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## PALEOBOTANICAL SECTION, BSA

The 1975 Bibliography of American Paleobotany was distributed by the Paleobotanical Section in July. Any palynologist who is interested in the paleobotanical aspects of palynology should be a member of the Paleobotanical Section of Bot. Soc. Its dues are very nominal, \$2.00/year for Bot. Soc. members or \$4.00 for non-members. If you think the organization may add to the spice in your life, contact:

Dr. David L. Dilcher  
Sec.-Treas., Paleobotanical Section, BSA  
Department of Plant Sciences  
Indiana University  
Bloomington, Indiana 47401

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## ESA PALEOECOLOGY SECTION

The Ecological Society of America has approved the By-laws for a Paleoecology Section within the ESA. The new section has elected the following officers:

Chairperson and Representative to the ESA Council:	Allen M. Solomon
Vice-Chairperson and Program Coordinator:	Hal Fritts
Secretary:	Grace S. Brush

The section will hold a symposium on "Stratigraphic Indicators of Eutrophication" at the ESA annual meeting in East Lansing in 1977. Persons interested in further particulars should contact:

Dr. Grace S. Brush  
Department of Geography and Environmental Engr.  
John Hopkins University  
Baltimore, Maryland 21218

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## NEWSLETTERS

In addition to newsletters we have cited in previous numbers of the AASP Newsletter, we want to bring to your attention the following newsletters and their source:

Arbeitskreis für Palaobotanik und Palynologie

Dr. F. Schaarschmidt, Editor  
Forschungsinstitut Senckenberg  
6 Frankfurt am Main  
Senckenberg 25, West Germany

APLF Circulaire

Dr. C. Caratini, Secretary APLF  
Centre d' Etudes de Geographic Tropical  
Domaine Universitaire de Bourdeaux  
F33405 - Talence, France

CIMP Newsletter

Dr. M. Streel, Secrétaire General  
Commission International de Microflore du Paleozoique  
Université, 7, place du XX Aout  
B-4000-Liege, Belgium

"MOD" Commission Minutes

Dr. N. H. Bostick, Secretary ICCP  
Oil and Gas Resources Branch  
U. S. Geological Survey  
Federal Center, Box 25046  
Denver, Colorado 80255

News and Notes (The Paleontological Society)

Dr. Richard K. Bambach, Editor  
Department of Geological Sciences  
Virginia Polytechnic Institute and State University  
Blacksburg, Virginia 24061

Newsletters are an informal and unique source of information on current activities, research problems, meetings (past, present and future), personalia and personalities, organizations, requests, reviews, questions and overall general information. Usually you can get on a newsletter mailing list for little or no investment, i.e., you do not have to become a member of an organization to get its newsletter. While we are on the subject, we would like to congratulate Hans Tralau on the excellence of the first IOP Newsletter.

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## GSC TRANSLATIONS

Following is a list of English translations of palynological papers. The translations were initiated by the Geological Survey of Canada and are available from:

Translation Services  
Canada Institute for Scientific and  
Technical Information (National Research Council)  
Ottawa, Canada K1A 0S2

The cost is 20 cents (Canadian)/page, minimum charge \$2.00:

- ANDREEVA, E.M., 1973. Early and Middle Devonian spores from the north-eastern slope of Salair. (In: Stratigrafiy nizhnego i srednego Devona. Mezhdunarodnyy simposium po granitse Silura i Devona, 3rd, 1968. Trudy, Tom 2) Leningrad, p. 40-43, 287-288. Translation series, no. 844. 16p.
- ARASLANOVA, R.M., 1972. The stratigraphic distribution of spores in Devonian terrigenous deposits of the Perm region of Kama. (In Vsesoyuznyy Nauchno-Issledovatel'skiy Geologorazvedochnyy Neftyanoy Institut. Trudy, v. 123, p. 182-190) Translation series, no. 800. 16p.
- ARCHANGELSKY, Sergio, 1965. Notes on the fossil flora of the Tico zone in the province of Santa Cruz: 7. Two new species of megaspores. Ameghiniana, v.4, no. 2, p. 52-55. Translation series no. 747. 11p.
- ARKHANGEL'SKAYA, A.D., 1971. A palynological characterization of the premoslovian Middle Devonian beds of Saratov oblast, their correlation and stratigraphic position. Vsesoyuznyy Nauchno-Issledovatel'skiy Geologorazvedochnyy Neftyanoy Institut. Trudy, no. 106, p. 10-17. Translation series, no. 798. 16p.
- BATANOVA, G.P., 1967. Seminar for the study of the fauna, spores and pollen from Frasnian deposits of the Volga-Ural oil-and gas-bearing province and of the adjacent regions. Sovetskaya Geologiya, vol. 10, no. 6, p. 170-174. Translation series, no. 848. 14p.
- BISKE, S.F., 1972. New data on the Miocene phyt stratigraphy of the northern part of the Anadyr drainage basin and their paleogeographic interpretation. Geograficheskie problemy Sibiri; nauchnye soobshcheniya po programme XXII Mezhdunarodnogo Geograficheskogo Kongressa (Otdel'nyi ottisk), Novosibirsk Izdatel'stvo "Nauka" Sibirskoe otdelenie, p. 153-177. Translation series, no. 886. 41p.
- BOYTSOVA, E.P. ed., 1974. Palynological method in stratigraphy. Vsesoyuznyy Geologicheskii Institut. Trudy. N.S. v. 195, p. 60-143. Translation series, no. 806. Contains papers by Karashvili, B.D.; Bitvutskaya, P.I., (and others); Komarova, N.I.; Budrin, V.S. and Gromova, N.S. 112p.

- BYVSHEVA, T.V., 1972. Additional information on the spore-pollen picture of terrigenous Lower Carboniferous deposits in the Volga-Ural district. Vsesoyuznyi Nauchno-Issledovatel'skiy Geologorazvedochnyi Neftianoy Institut. Trudy, vp. 83, p. 143-150, 203, 241-2. Translation series, no. 776. 22p.
- BYVSHEVA, T.V., 1971. Palynological description and stratigraphy of the Tournaisian and lower and middle Visean deposits of the eastern regions of the Russian platform. Vsesoyuznyy Nauchno-Issledovatel'skiy Geologorazvedochnyy Institut. Trudy 106, p. 18-46. Translation series no. 819. 33p.
- CHIBRIKOVA, E.V., 1974. Floral assemblages of the Devonian and Carboniferous boundary strata (the age of flora from the Solonchatka Stream). Akademiya Nauk SSSR. Doklady, v. 215, no. 4, p. 936-939. Translation series, no. 774. 13p.
- DOROFEEV, Pavel Ivanovich, 1955. Paleocarpological investigations of the Tertiary flora of Kazakhstan. Materialy po istorii fauny i flory Kazakhstana, Tom I, p. 117-121, Alma-Ata, Incomplete translation: pg. 122-125 not translated. Translation series, no. 867. 9p.
- DORING, Harry (and others), 1966. Some new subform genera of the spore genus Stereisporites TH. & PF. from the central European Mesozoic and Lower Tertiary. Geologie: Zeitschrift fur das Gesamtgebiet der geologischen Wissenschaften. Beiheft 55, p. 72-89. Translation series, no. 724. 30-.
- DOROFEEV, Pavel Ivanovich, 1955. Fossil flora from the Bol'shaya Yuksa River in Western Siberia. Akademiya Nauk SSSR. Doklady, v. 102, no. 1, p. 1207-1210. Translation series, no. 869. 8p.
- DOROFEEV, Pavel Ivanovich, 1963. Description of plant remains (Salviniaceae, Azollaceae, Marsileaceae, Selaginellaceae, Typhaceae). Tretichnye flory Zapadnoi Sibiri, Akademiya Nauk SSSR, Moscow-Leningrad, p. 62-80, 88-90. Translation series, no. 875. 44p.
- DOROFEEV, Pavel Ivanovich, 1968. Megaspores of Salvinia, Azolla, and Pilularia from Neogene deposits of Ukraine. Ukrains'kyi Botanichnyi Zhurnal, v. 25, 3. no. 6, p. 63-71. Translation series, no. 876. 19p.
- DOROFEEV, Pavel Ivanovich, 1963. Tertiary plants of Kazakhstan. Botanicheskii Zhurnal, v. 48, no. 2, p. 171-181. Translation series, no. 877. 29p.
- FADDEEVA, I.Z., 1965. Lower Mesozoic megaspores of the Or'ilek region and their stratigraphic significance. Palinologicheskoe obosnovanie stratigraficheskogo raschleneniya nizhnemezozoyskikh uglenosnykh otlozheniy Or'ilekского rayona, (by) I. A. Faddeeva. Moscow-Leningrad "Nauka", p. 47-49, 92-101, 103-104. Includes taxonomic section "Megaspores" p. 92-101 and descriptions of plates IV to VIII, p. 103-104. Translation series, no. 881. 35p.

- GOCZAN, Ferenc, 1973. Upper Cretaceous coal formation in Hungary in the light of palynology. *Palinologiya kaynofita. Trudy III Mezhdunarodnoy Palinologicheskoy Konferentsii*. Moskva, "Nauka", p. 28-35. Translation series, no. 773. 16p.
- JUNG, Walter, 1960. The dispersed megaspores from the strata of the Rhaetoliasic boundary in Franconia. *Palaeontographica, Abt. B*, v. 107, no. 4-6, p. 127-170. Translation series, no. 764. 98p.
- KAISER, Helmut and ASHRAF, R., 1974. Extraction and preparation of fossil spores, pollen and other palynomorphs, with a particular emphasis on the sieve method. *Geologischches Jahrbuch, Reihe A*, no. 25, p. 85-114. Translation series, no. 889. 47p.
- KALVACHEVA, R. and CHOBANOVA, A., 1973. Biometric investigations of certain species of the genus *Veryhachium* (*Acritarcha*) from the Ordovician of the Iskur Gorge in Bulgaria. *Bulgarska Akademiya na Naukite. Geologicheskii Institut. Izvestiya-Seria Paleontologiya*, v. 22, p. 5-18. Translation series, no. 799. 22p.
- KANNEGIESER, Eberhardt and KOZUR, Heinz, 1972. The micropalaeontology of the Shilfsandstein (Karnian). *Geologie*, Bd. 21, no. 2, p. 185-215. Translation series, no. 746. 36p.
- KEDO, G.I. (and others), 1972. Stratigraphy of Devonian and Carboniferous boundary deposits of the Russian platform based on spores and other plant microfossils. *Akademiya Nauk SSSR. Bashkirskiy Filial. Institut Geologii. Stratigrafiya i paleontologiya Dokembriya i Paleozoya yuzhnogo Urala i Priural'ya. Voprosy geologii vostochnoy okrainy Russkoy platformy i Yuzhivogo Urals*, vp. 16, p. 74-82. Translation series, no. 758. 22p.
- KEMPF, Eugen Karl, 1969. Electron microscopy of the sporoderm in Cainozoic megaspores of the water-fern *Azolla*. *Palaontologische Zeitschrift*, v. 43, no. 1/2, p. 95-108. Translation series, no. 868. 32p.
- KEMPF, Eugen Karl, 1971. Electron microscopy of the sporoderm in mega- and microspores of the pteridophyte genus *Salvinia* from the German Tertiary & Quaternary. *Palaeontographica Abt. B*, vol. 136, no. 1-4, p. 47-70. Translation series, no. 923. 60p.
- KONDINSKAYA, L.I., 1966. Fossil spores of water ferns in Upper Cretaceous and Paleogene deposits of the West Siberian lowland. A.F. Khlonova, ed., *Palinologiya Sibiri*. (Moscow) Nauka, p. 116-122. Translation series, no. 749. 16p.
- KRUTZSCH, Wilfried, 1967. Some new pollen forms from the families Tiliaceae, Bombacaceae and Sterculiaceae of the central European Lower Tertiary. *Jahrbuch fur Geologie, Band 3*, p. 275-307. Translation series, no. 702. 47p.

- KRUTZSCH, Wilfried, 1963. Atlas of the middle Tertiary and Miocene dispersed spores and pollen as well as microplankton forms in northern central Europe. Lieferung II. Berlin, VEB Deutscher Verlag der Wissenschaften, p. 2-35. Translation series no. 709. 64p.
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- MARCINKIEWICZ, Teresa, 1960. Megaspore analysis of Jurassic sediments near Gorzow Slaski - Praszka (Cracow - Wielun region). Kwartainik geologiczny, v. 4, no. 3, p. 713-733. Translation series, no. 736. 52p.
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## RESUME: C. F. WONG

Mr. C. F. Wong seeks a firm job offer as a means of immigrating to the U. S., Canada or Australia. He supplied the following resume to Charlie Trotter, Shell Development Company, Houston, who arranged circulation to the AASP Newsletter.

Schooling: English Secondary School, Sabah, Malaysia  
Cambridge Overseas School Certificate  
Examinations, London (to qualify for teaching).

University of New England, Armidale,  
N.S.W., Australia (B.Sc., Geology & Botany)  
Various training courses, S.I.P.M., The Hague.

Experience: Palynologist, Brunei Shell Petroleum, Ltd. 12 years.  
Palynologist, Head of Palynological Laboratory,  
Sarawak Shell Berhad, 1 year.  
Activities have included Tertiary and Mesozoic  
Palynology, Stratigraphy and Carbonates in the  
Borneo area.

Memberships: Geological Society of Malaysia.

General: Mr. Wong is 44, married, 2 children, ages 6 and 2.

Interested parties may write:

Mr. C. F. Wong  
c/o MXL/3  
Sarawak Shell Berhad  
Lutong, Sarawak  
Malaysia

Charlie Trotter is willing to discuss this prospect informally by phone.

\* \* \* \* \*

## GOODBY AND THANKS

This is my last Newsletter and I would like to thank the people who have helped bring it out during the past three years. I'm a long-hand writer, and most of my chicken tracks have been typed by two cooperative ladies - Barbara Hitt and Jaunita Givens. Those indispensable mailing labels have been kept current and were provided by Bob Clarke. The mailing crew has been staffed at times by Sue Mellina, Larry Wigent, Fred Stone, Jake Gerhard, Del Edelman, Jon Bujak, Bob Dunay, Charley Felix, Pat Burbridge, Suchit Hart, Chuck Griffith, Sudi Krause and whoever else was passing by. Many people have contributed items for the Newsletter, but I want to particularly thank Eloy Salas for his latin American items. Finally, I want to thank Mobil. The Newsletter might not be a masterpiece, but, like public television's Master piece Theater, it was made possible by a "grant" from Mobil Oil Corporation. To all of you my sincerest appreciation.

Rick Pierce

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## NEW MEMBERS

AASP is pleased to welcome the following new members:

Barnette, Sheila C., Cities Service Oil Co., Box 22082, Houston, Texas 77027. Tel. (713) 629-9700, Ext. 204.

Bjaerke, Tor, Institutt for Geologi, Postboks 1047, Blindern, Oslo 3, Norway.

Gonzalez, Enrique, Texaco Trinidad Inc., Pointe-a'-Pierre, Trinidad.

Wilhelm, Klaus, Paleontologisches Institut, University of Vienna, 1010 WIEN, Universitätsstrasse 7, Austria.

Piasecki, Stefan, Geologisk, Centralinstitut, Oster Voldgade 10, Dk-1350 Copenhagen K, Denmark.

Rasul, S. M., Department of Geology, University of London, King's College, Strand, London W02R 2LS, England. Tel. 01-836-5454, Ext. 2515.

Wharton, David I., B. P. Petroleum Development Ltd., Farburn Industrial Estate, Exploration Laboratory, Dyce, Aberdeen, Scotland, U.K. Tel. (022) 472-3131, Ext. 387.

Williams, Carol A., 1020 Kent, Apt. 125, Boulder, Colorado 80302,  
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\* \* \* \* \*

## DIRECTORY CHANGES

Please make the following changes in your Membership Directory:

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Pohowsky, R. A., Shell Gabon, B. P. 146, Port Gentil, Gabon.

Potter, Timothy L., c/o Petroleum Development (Oman) Ltd., P. O. Box 81,  
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Stover, Lewis E., Tel. (713) 965-4250.

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Weir, Glendon H., Tel. (713) 845-5133, Ext. 4042.

\* \* \* \* \*

REMEMBER  
NEWSLETTER ITEMS ARE  
WELCOMED

Items for next Newsletter need to be received by December 1,  
1976. They should be sent to:

Dr. Vaughn M. Bryant, Jr.  
Palynology Laboratory  
Anthropology Department  
Texas A & M University  
College Station, Texas 77843

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