

# NEWSLETTER

THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS

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VOLUME 3

AUGUST, 1970

NUMBER 3

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Richard W. Hedlund, Editor  
Robert T. Clarke, Asst. Editor

Eloy Salas, Correspondent  
D. Colin McGregor, Correspondent

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## THIRD ANNUAL MEETING, TORONTO - 1970

Geoffrey Norris, Program Chairman, has provided the schedule of papers to be read at the A.A.S.P. Third Annual Meeting in the Park Plaza Hotel, Toronto, Canada. More than 30 papers are included in the program. The meeting will be preceded by an SEM Workshop and will be followed by field excursions. Make plans now to attend!

### PROGRAM

#### Wednesday, October 14

10:00 - 5:00      Workshop on scanning electron microscopy. (The morning session will include discussion of SE microscopy as applied to spores and pollen, seeds, dinoflagellate cysts, and nannoplankton. The afternoon session will be spent in practical demonstrations of the Cambridge Stereoscan SE microscope.)

#### Thursday, October 15

9:00 - 9:40      Welcoming addresses

9:40 - 12:00      Technical Session

J. D. Burgess: Recognition of hydrocarbon source beds using palynologic methods.

W. B. Clapham, Jr.: Numerical analysis in palynology.

J. B. Waterhouse and G. Norris: Paleobotanical solution to a granite conundrum: the Hawks Crag Breccia of New Zealand.

Thursday, October 15 (Cont'd.)

- 9:40 - 12:00      J. H. McAndrews: Palynology of Great Lakes sediments.
- J. H. Darrell II and G. F. Hart: Palynology of Mississippi River birdfoot delta: statistical evaluation of environmental distribution of miospore taxa.
- G. O. W. Kremp: The establishment of a cosmopolitan organization of comprehensive data banks for palynology-paleobotany and associated fields.
- 12:00 - 3:00      Mixer, Luncheon, and Annual Business Meeting
- 3:00 - 6:10      Technical Session - "Paleobotany of the Arctic"
- D. C. McGregor: Devonian spores of the Queen Elizabeth Islands, North West Territories.
- L. V. Hills and R. Smith: Devonian megaspores from northern Banks Island, Arctic Canada.
- M. S. Barss: Some problems in Permian palynology of northern Canada.
- C. J. Smiley: Plant megafossil sequences, North Slope Cretaceous.
- W. S. Hopkins, Jr.: An Albian spore-pollen flora from the Sverdrup Basin, North West Territories.
- G. E. Rouse and S. K. Srivastava: Palynology of Cretaceous and Tertiary strata in northern Yukon.

Friday, October 16

- 8:30 - 12:10      Technical Session - "Microplankton"
- W. R. Evitt: Significance of process number and arrangement in some Lower Tertiary hystrichospheres.
- G. Norris and R. W. Hedlund: Transapical sutures in dinoflagellate cysts.

Friday, October 16 (Cont'd.)

8:30 - 12:10

L. A. Smith: Calcareous nannofossils and their utility in the JOIDES deep-sea drilling program.

S. Gartner, Jr.: Calcareous nannofossils from the JOIDES Blake Plateau cores; a revision of Paleogene zonation.

R. E. Malloy: An Upper Cretaceous dinoflagellate lineage from Gabon, West Africa.

W. W. Brideaux: Microplankton assemblages from the Middle and Late Albian of central Alberta, Canada.

G. L. Williams and W. W. Brideaux: Palynologic analyses of cored sediments from the Grand Banks, Newfoundland.

F. H. Cramer: Spatial and chronological arrangement of Silurian palynofacies.

12:10 - 1:10

Lunch

1:10 - 3:40

Technical Session

T. J. Carrington: Occurrence of fossil spores in metasedimentary rocks of Lower Devonian age, Chilton County, Alabama.

N. O. Frederiksen: The rise of the Mesophytic flora.

S. Gupta and O. W. Boozer: Further palynologic study of the Strawn Series in north-central Texas: the Garner Formation.

H. M. Simpson: Palynology and environmental analysis of Missourian strata, Tulsa County, Oklahoma.

J. A. Clendening: Palynological evidence on the geological age of the Dunkard Group of West Virginia, Pennsylvania, and Ohio.



## AASP NOMINATIONS

The Nominating Committee, under the chairmanship of William R. Evitt, has submitted the following slate of candidates for A.A.S.P. officers for 1971:

President: Geoffrey Norris  
Alfred Traverse

Vice President: Donald W. Engelhardt  
George F. Hart

Sec.-Treas.: Robert T. Clarke  
John W. Hall

Editor: Richard W. Hedlund

1st Councilor: Eugene L. Jones  
David Wall

2nd Councilor: Gilbert A. Leisman  
Paul S. Martin

Ballots have been sent to all Members of the Association. If you have not received your Ballot, write to:

Daniel Habib  
Department of Geology  
Queens College  
Flushing, New York 11367

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## AASP PROCEEDINGS, VOL. 1

There has been real progress the past few months in getting the first Proceedings volume published. All the entire papers (8) and almost all of the other materials have been typeset, galley proofs printed, and these galleys sent to the authors for proofreading. The corrected galleys were returned to the printer on August 3 for final printing. Meriden Press has the photographic originals and is currently preparing the printed plates. At this time, everything looks favorable for the publication to be issued on or before our Annual Meeting date in October. The following papers will be published in their entirety in Volume I:

Canright, J. E., Spores and associated microfossils from the Devonian of Arizona.

Chaloner, W. G., The evolution of miospore polarity.

Evitt, W. R., Dinoflagellates - a selective review.

Gupta, S., Miospores from the Desmoinesian-Missourian boundary formations of Texas and the age of the Salesville Formation.

Hart, G. F., Biostratigraphy of Permian palynofloras.

Jenkins, W. A. M., Chitinozoa.

Norris, G., Palynology of the Jurassic-Cretaceous boundary, southern England.

Terasmae, J., Quaternary palynology - its scope, problems and potential uses.

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## AASP PROCEEDINGS, VOL. 2

Volume II of the A.A.S.P. Proceedings will be published by the L.S.U. Geoscience Series. All completed manuscripts which will be included in this volume have been received and reviewed by your Editor. The majority of these have been sent to Bob Perkins, Editor of the L.S.U. Geoscience Series. Papers not published in their entirety will be included in abstract form. The following papers will be published in their entirety in this volume:

Bostick, N. H., Thermal alteration of clastic organic particles as an indicator of contact and burial metamorphism in sedimentary rocks.

Burgess, J. D., Palynological interpretation of Frontier environments in central Wyoming.

Christopher, R. A. and Hart, G. F., The statistical model in palynology.

Downie, C., Hussian, M. A., and Williams, G. L., Dinoflagellate cyst and acritarch associations in the Paleogene of south-east England.

Dunay, R. E. and Traverse, A., Preliminary report on Triassic spores and pollen of the Dockum Group, Texas Panhandle.

Hart, G. F. and Fiehler, J., KAROSS: A computer aided storage and retrieval system for Lower Karoo stratigraphic palynology.

Nichols, D. J. and Traverse, A., Palynology, petrology and depositional environments of some early Tertiary lignites in Texas.

Terasmae, J. and Mott, R. J., Postglacial history and palynology of Sable Island, Nova Scotia.

Wall, D., Biological problems concerning fossilizable dinoflagellates.

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## MEMBERSHIP

A.A.S.P. membership at the mailing time of this number of the Newsletter is 274. This number includes 267 Members and 7 Institutional Members. Pass on the application-for-membership form on page 12 of this Newsletter to a colleague and ask him to join our Association. The completed form, including \$5.00 (\$25.00 for Institutional Members), should be mailed to:

Alfred Traverse  
Department of Geology and Geophysics  
Pennsylvania State University  
University Park, Pennsylvania 16802

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## AASP DIRECTORY

In order to make the A.A.S.P. Membership Directory a more useful reference, the next edition will include the telephone numbers of members in Canada and the United States. All members in these two countries were sent a self-addressed postcard on which to record this information.

If any of you have not yet supplied the Editor with this information, please take the time to do so. All postcards must be received by August 21 in order for the telephone numbers to be included in the 1970 Directory.

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## EMBLEM COMMITTEE

For your consideration, the Emblem Committee has selected six final designs from which will be chosen the official emblem of the Association at the Toronto meeting. The six designs shown on page 13 of the Newsletter were drafted to a uniform scale through the kind efforts of H. Tate Ames and the Coal Research Illustrative Section at Pennsylvania State University. The Chairman of the Emblem Committee offers the belated recommendation that design No. 2 be altered to show a map of the Western Hemisphere, rather than North America.

As the process of selection is a committee responsibility, voting by those attending the convention was chosen as the fairest means of obtaining a consensus. However, many members will be unable to attend. If you desire to express a preference, you are encouraged to send a note to the address shown below, prior to the convention, and your preference will be included with the votes of the attendees.

Earl T. Peterson  
Atlantic Richfield Company  
P. O. Box 2819  
Dallas, Texas 75221

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## PALYNOLOGICAL SYMPOSIUM - ROMANIA

Nicolae Baltas reports that the National Palynological Symposium was held May 14-17, 1970, in Cluj, Romania. Discussion sections included the following subjects:

Fundamental Palynology	Pre-Quaternary Palynology
Palynotaxonomy	Quaternary Palynology
Air Palynology-Allergology	Applied Palynology

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## THIRD INTERNATIONAL PALYNOLOGICAL CONFERENCE

The Third International Palynological Conference will be held July 19-25, 1971, at the Academician City (Academgorod) in Novosibirsk, U.S.S.R. The Organizing Committee has announced that this Conference will discuss palynological problems with reference to geological, biological, geographical, and other aspects. In addition, palynological field excursions are being organized to take place before and after the Conference.



If you plan to attend the Conference, read a paper, or would like more information regarding the Conference, write to:

Prof. Dr. Elena D. Zaklinskaya  
Scientific Secretary of the Organizing Committee  
Third International Palynological Conference  
Geological Institute, Academy of Sciences U.S.S.R.  
Pyzhevsky 7  
Moscow G-17, U.S.S.R.

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## CANCELLATION OF C. I. M. P. A. MEETING - 1970

The following is an excerpt from Circular 1970-1 of the C.I.M.P. Sub-Commission Acritarcha by Serge Jardiné:

"The secretary of the Sub-Commission Acritarcha and the secretary of the Nottingham meeting regret to inform you that the colloquium provided for September 1970 will be cancelled. Dr. Sarjeant and Dr. Lister had agreed to set it on foot. Unfortunately, different events and incidents have disturbed this plan. First, Dr. Lister will soon leave England for Australia; then a serious fire destroyed a part of the Geology Building of the University of Nottingham: the equipment and the collections of the Micropaleontology Section and those of Dr. Sarjeant are lost. Under these circumstances, it would be impossible for him to run the C.I.M.P. meeting as expected previously. So it appears wise to definitely cancel the meeting in Nottingham.

Dr. Sarjeant, Dr. Lister and I are sorry for this decision. It is not possible to appoint any date or place for the next meeting."

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## PALEONTOLOGICAL CONVENTION PROCEEDINGS

The Proceedings of the North American Paleontological Convention, held last year at the Field Museum of Natural History in Chicago, are being printed and sold in individual paperbound parts, with each part based on a symposium presented at the convention. This publication is in advance of completed, bound volumes and makes it possible for persons to purchase the parts of interest to them as promptly and as economically as possible. So far, four parts are available with more to come out this fall:

Part A - Teaching Paleontology (6 papers) pp. 1-56, price \$2.00

Part B - Computers in Paleontology (6 papers) pp. 57-153,  
price \$3.50

Part C - The Genus: A Basic Concept in Paleontology (5 papers)  
pp. 154-321, price \$5.00

Part D - Paleoclimatology (4 papers) pp. 322-408, price \$3.00

Orders should be sent to Sales Department, Allen Press, Lawrence, Kansas  
66044. Check or money order should accompany each purchase; add \$1.00  
per order for postage and handling.

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## XXIV INTERNATIONAL GEOLOGICAL CONGRESS

The 24th International Geological Congress will be held in Montreal,  
Canada, during August, 1972. The program will include 17 sections of  
technical papers and at least six symposia. Over 50 field excursions,  
most scheduled both before and after the Conference, will cover all of  
Canada, including the Arctic Islands. Requests for the FIRST CIRCULAR,  
which is now available, and other communications should be directed to:

The Secretary-General, 24th I.G.C.  
601 Booth Street  
Ottawa, Ontario, Canada

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## BIBLIOGRAPHY OF AMERICAN PALEOBOTANY

The Paleobotanical Section of the Botanical Society of America has  
completed the 1969 edition of the Bibliography of American Paleobotany.  
This compendium includes palynological as well as paleobotanical in-  
formation and is being made available at cost (\$1.00) to members of  
the A.A.S.P. Send your dollar, or a check made payable to the "Paleo-  
botanical Section" to:

John W. Hall  
Department of Botany  
University of Minnesota  
Minneapolis, Minnesota 55455

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## PALEOBOTANICAL CATALOGS AVAILABLE

Duplicated copies of some of the paleobotanical catalogues of the Hunterian Museum, University of Glasgow, are being made available to paleobotanists. These include the Paleozoic Catalogue; the Kidston thin sections; and the J. Walton collection.

Paleobotanists who do not have access to these catalogues may obtain copies by writing to the Secretary of the Palaeontological Association:

W. D. Ian Rolfe (Secretary)  
Hunterian Museum  
The University  
Glasgow W. 2, Scotland

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## PERSONALIA

The following news items have been sent to the Editor for inclusion in the Newsletter:

Nicolae Baltes has recently published a paper entitled "Discontinuities in the distribution of the Cretaceous microflora from the Moesian Platform" which contains data regarding the significance of vertical and horizontal variations in continental/marine palynomorph ratios. A manuscript has been prepared for press entitled "Tertiary plant microfossil assemblages of the Pannonian Depression, Romania". His present research involves the palynological analysis of oil field waters in connection with oil migration and accumulation.

Gilbert Brenner will be a visiting research scientist at the Israeli Geological Survey in Jerusalem during the academic year 1970-71. He will be studying Jurassic and Cretaceous palynostratigraphy.

Norman Frederiksen is preparing a paper for publication entitled "Upper Eocene palynology of Mississippi and Alabama". In addition, he is preparing a paper with Gerhard Kremp on palynomorph species in the Pennington Coal, based on Berry's original material.

Daniel Habib is studying palynomorph assemblages in radiocarbon-dated Holocene sediments near Tehuantepec, Mexico. He is also researching the distribution of palynomorphs in the Mayaguez Basin and Cabo Rojo carbonate banks off western Puerto Rico. In the latter study, he hopes to be able to show the relationships between palynofacies and lithofacies in this area.

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# APPLICATION - for - MEMBERSHIP FORM

## THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS

Prof. Dr. Mr. Miss Mrs. (Please strike out ones which do not apply.)

Name \_\_\_\_\_ Date \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_ Zip \_\_\_\_\_

Professional affiliation: for whom \_\_\_\_\_

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

Signatures of sponsors 1) \_\_\_\_\_

(Must be 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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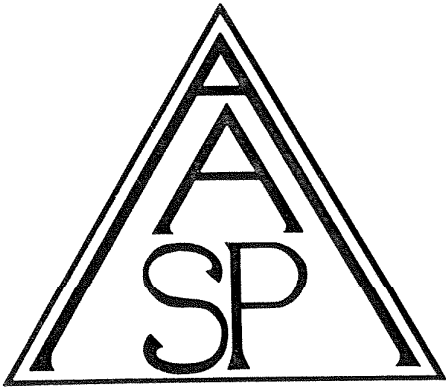
**Please Note:** Application must be accompanied by \$5.00 (USA) in order for the Executive Committee to elect applicants to membership.

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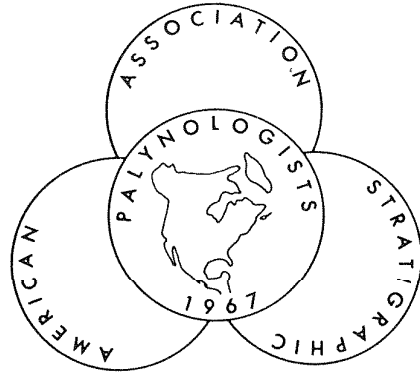
REMEMBER ... send any news-worthy item to your editor  
for the NEWSLETTER.

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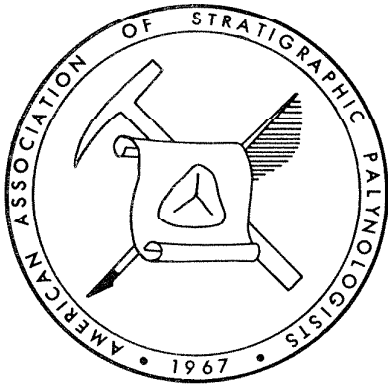
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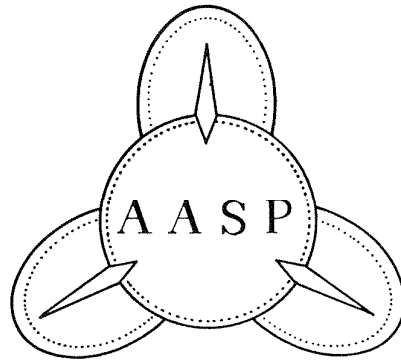
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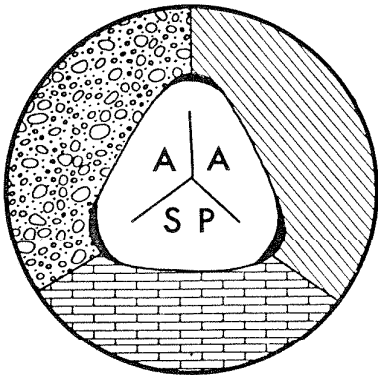
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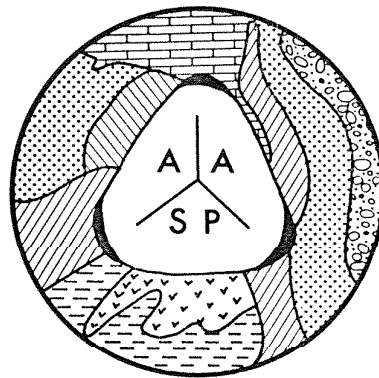
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