

N E W S L E T T E R

THE AMERICAN ASSOCIATION OF STRATIGRAPHIC PALYNOLOGISTS

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Number 2

Lewis E. Stover, Editor

William C. Elsik, Ass't. Editor

Richard W. Hedlund, Ass't. Editor

CONSTITUTION RATIFIED

Copies of the Constitution were sent with the first NEWSLETTER, and of the 110 ballots mailed to the members-of-record at the time the Constitution was submitted for approval, 88 were returned to the Ballot Committee. This Committee, chaired by G. R. Fournier, reported to President Nygreen as follows:

Total votes approving the Constitution	73
Total votes rejecting the Constitution	8
Total votes declared void because of failure in the invalidation of one of the statements	<u>7</u>
Grand Total	88

The Association is appreciative to and grateful for the efforts of the Constitution Committee, as is more than amply expressed by the overwhelming approval of the Constitution by the membership. Thanks are due also to the Atlantic-Richfield Company for underwriting the cost of reproducing the Constitution and to the Ballot Committee for tabulating and recording the results of the balloting.

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APPOINTEE NEEDED

In a letter to Paul Nygreen, Alan B. Shaw, president of the Paleontological Society, invited A.A.S.P. participation in the activities of the Joint Committee on Paleontologic Information (J.C.P.I.). Quoting from Shaw's letter, "The purpose of the Joint Committee on Paleontologic Information is to promote the improvement of information exchange in paleontology and related sciences by coordinating and supplementing activities of its Societies and other organizations interested in this field."

Each society participating in J.C.P.I. may appoint one member to represent that society. Hopefully, self-nominations from the membership will be received to assist the A.A.S.P. in selecting a representative. Members who would like to serve as the Association's representative and who are interested in paleontological data, information systems and techniques should submit their names to Paul Nygreen.

A.A.S.P. SLATE & ELECTION

The Nominating Committee, under the chairmanship of B. L. Shaffer, submitted to the Executive Committee the following slate of candidates for A.A.S.P. officers for 1969:

President: Eugene L. Jones
Charles F. Upshaw

Vice-President: George R. Fournier
Robert L. Tabbert

Secretary-Treasurer: Herbert J. Sullivan
Alfred Traverse

Editor: Daniel Habib
Lewis E. Stover

Councilor: 1st Place - Robert T. Clarke
Marcia Ring Winslow

2nd Place - Richard W. Hedlund
Karl R. Newman

Additional nominations may be submitted in accordance with Article V, section 3 of the Constitution. However, the deadline for such nominations is *September 6, 1968*, owing to the fact that the first annual meeting of the A.A.S.P. will be in October, and it is desirable to have the new officers elected by the first of October. Nominations from the membership should be submitted to B. L. Shaffer, Department of Geology, Wichita State University, Wichita, Kansas, 67208.

Ballots will be sent to members-of-record as of *September 9, 1968*, and should be returned for accounting on or before *September 29, 1968*. The results of the election will be announced by mail during the first week in October, and orally at the L.S.U. meeting.

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1968 MEMBERSHIP GOAL - 200

A.A.S.P. membership at mailing time of this NEWSLETTER is 158 - - which represents an increase of nearly 50 members since April. We would like to have 200 members by the end of this year. If you are not a member, complete the application-for-membership form, on the last page, and join today! If you are a member, pass the form on to a colleague and ask him to join during this, the inaugural year of A.A.S.P. The completed form, including \$5.00, should be mailed to: Dr. Alfred Traverse, Secretary-Treasurer, Department of Geology and Geophysics, Pennsylvania State University, University Park, Pennsylvania, 16802.

A. Dreimanis (University of Western Ontario, London) is continuing his research and teaching in palynology, particularly in relation to Pleistocene stratigraphy. He has recently put forward a new climatic-environmental hypothesis of Mastodon extinction, based mainly on palynology (Dreimanis, A., 1968. Mastodons, their geologic age and extinction in Ontario, Canada: Can. J. Earth Sci., v. 4, p. 663-675).

A. A. Berti (University of Western Ontario) is currently writing his Ph. D thesis entitled "Palynology of the Mid-Wisconsin (Pleistocene) in the eastern Great Lakes region." Apart from his general interest in the application of palynology to Pleistocene paleoecology and stratigraphy, he is interested in identifying larger plant fossils, such as woods and seeds.

N. W. Radforth (McMaster University, Hamilton, Ontario) will transfer to the University of New Brunswick this summer as Director of the Muskeg Research Institute. He is particularly interested in applying palynologic techniques to the study of organic terrains.

J. H. McAndrews (Royal Ontario Museum, Toronto) is concerned largely with Quaternary ecology and vegetation history, and is studying sediments in Lake Huron and Lake Ontario from a palynological viewpoint. His other research topics include interpretation of pollen sedimentation in lakes of varying morphometry. He is co-authoring a paper with *G. Norris* (University of Toronto) on post-glacial dinoflagellate cysts in lake sediments of Minnesota and Ontario. McAndrews' recent publications include:

McAndrews, J. H., 1967. Paleoecology of the Mirror Pool and Seminary peat deposits, in Mayer-Oakes, W. J., ed., Life, Land and Water, Occasional Papers No. 1, Dept. Anthropology, Univ. Manitoba, Univ. Manitoba Press, Winnipeg, pp. 253-259.

1967. Pollen analysis and vegetational history of the Itasca region, Minnesota, in Cushing, E. J. and Wright, H. E., eds., Quaternary Paleocology: Int. Assoc. Quat. Res. VII Congr. Proc. 7, Yale Univ. Press, New Haven, pp. 219-236.

McAndrews, J. H. and Swanson, A. R., 1967. The pore number of periporate pollen with special references to *Chenopodium*: Rev. Paleobot. Palyn. 3, p. 106-117.

The following paper is in preparation:

Norris, G. and McAndrews, J. H., Dinoflagellate cysts from post-glacial lake sediments, Minnesota, USA.

J. C. Ritchie (Dalhousie University, Nova Scotia) is carrying out research on Recent and Quaternary plant ecology in Canada, particularly in the Mackenzie Delta area, North West Territories and of the western interior of Canada. Publications include:

Norris, G., 1968 (in press). Plant microfossils from the Hawks Crag Breccia, southwest Nelson, New Zealand: N.Z.J. Geol. Geophys.

_____ (in preparation). Upper Jurassic and Lower Cretaceous miospores from southern England.

Hedlund, R. W. and Norris, G., 1968. Spores and pollen grains from Fredericksburgian (Albian) strata, Marshall County, Oklahoma: Pollen et Spores, v. 10, no. 1.

R. J. Davey (University of Witwatersrand, South Africa), as part of an extensive study on dinoflagellate cysts from the Cretaceous of Europe, North America and South Africa, has completed a limited study on middle Cretaceous dinoflagellates of Saskatchewan. In press is:

Davey, R. J., 1968 (in press). Non-calcareous microplankton from the Cenomanian of England, northern France, and North America: Bull. Brit. Mus. Nat. Hist.

Palaeozoic Studies

J. Jansonius (Imperial, Calgary) is continuing his studies on Paleozoic palynology, including spores, acritarchs, chitinozoans and scolecodonts. Publications are:

Jansonius, J., 1968 (in press). Spore nomenclature and the proposals of the Lille palynologists: Pollen et Spores, no. 1.

Jansonius, J., and Pocock, S. A. J., (in press). Tula, a new descriptive term for sexinal inflations: J. Sen. Commemorative Volume.

D. C. McGregor (GSC, Ottawa) is now concentrating on Silurian-Devonian palynomorphs, having handed over responsibility for the Survey's Mesozoic-Cenozoic spore-pollen studies to *W. S. Hopkins*. McGregor is at the Canadian Arctic archipelago with *Dr. T. T. Uyeno* collecting Silurian-Devonian samples for palynomorph and conodont studies. He continues his studies of Devonian spores from Gaspé and the Hudson Bay lowland. In press is "Devonian plant fossils of the genera *Kryshstofovichia*, *Nikitinisporites* and *Archaeoperrisaccus*: Geol. Surv. Can. Bull.

W. W. Brideaux (McMaster University) retains an interest in Middle and Upper Devonian palynology from his Master's thesis, although his doctoral thesis is concerned with Mesozoic palynology. He has in preparation a paper entitled: Upper Devonian spores from the Escuminac formation, Eastern Quebec, Canada.

C. P. Varma (University of New Brunswick) completed work on the palynology of the Albert Shale formation (Mississippian) and plans to collect the fossil plants from this unit.

N. W. Radforth (McMaster University, Hamilton, Ontario) has a general interest in Paleozoic and Mesozoic palynology. He is currently directing a thesis on stratigraphic palynology by *W. W. Brideaux*.

Ronald O. Kapp (Alma College, Michigan) is completing a manuscript (Wm. C. Brown Publishing Co., Dubuque, Iowa, 1969) entitled, "How to know Pollen and Spores." Four hundred original illustrations prepared from reference material are used to key 300 pollen and spore types, including basic morphological types of fungal and moss spores. A few dinoflagellates, diatoms, testaceous rhizopods, etc., are illustrated to distinguish them from spores.

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EXCHANGE MATERIAL

- Carboniferous plants and spore material - H. Greiner (University of New Brunswick).
- Upper Devonian miospores from the Gaspé region, eastern Canada - W. W. Brideaux (McMaster University).
- Canadian Jurassic and Cretaceous - S. A. J. Pocock (Imperial, Calgary).
- South African Cretaceous - R. J. Davey (University of Witwatersrand).
- Late Albian miospores and microplankton from Alberta - W. W. Brideaux (McMaster University).
- Recent pollen of western Canadian and European Alpine plants - S. A. J. Pocock (Imperial Oil, Calgary).
- Recent pollen of angiosperms and gymnosperms including natives of western Canada, and spores of north-west European toadstools - J. Jansonius (Imperial Oil, Calgary).
- Recent pollen of North American plants - J. C. Ritchie (Dalhousie University).

Persons interested in any of the materials listed above or desiring additional information should make their own arrangements. The NEWSLETTER is pleased to publicize the availability of material or the requests of members seeking exchange material, but at the present time, we are not in a position to act as a clearing house for such transactions.

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TRANSLATION OF RUSSIAN PALYNOLOGIC PAPERS

In the first list of translations, the paper by Bolkhovitina, 1959, on "Morphology of spores of the family Schizaeaceae and the history of this family" was included erroneously. D. C. McGregor also explained that the cost for translation is computed on the basis of the number of pages in the original publication, not the number of translation pages. Photocopies of translations may be purchased at 10 cents per page from Library

- Kara-Murza, E. N., 1958. Spore-pollen complexes of Triassic deposits in the Cape Tsvetkov region: Coll. papers on Palaeont. & Biostratig., Sci. Res. Inst. Geol. Arctic, no. 8, p. 33-62.
- _____ 1958. Some data on the composition of spore-pollen complexes of the marine Lower Cretaceous of the Nordvik region: Sbornik Statei po Paleontologii i Biostratigrafii, no. 10, Inst. Geol. Arct., Leningrad, pp. 27-44.
- Korotkevich, V. D., 1958. On the palynological complexes of Lower Cretaceous coalbearing deposits of the New Siberian Islands: Nauchn.-issl. Inst. Geol. Arktiki, Sbornik Statei Paleontol. Biostratig. SSSR, no. 8, p. 66-72.
- Kotova, I. A., 1961. On the boundary between the Jurassic and the Cretaceous in coal-bearing strata of the Burein Basins, according to data of spore and pollen analysis: Dokl. Akad. Nauk SSSR, v. 141, no. 3, p. 694-697.
- Kurnosova, G. N., 1960. Spore-pollen complexes of Mesozoic deposits discovered by Belogorsk, Kassk and Yeloguisk exploratory wells in the Krasnoyarsk region: Coll. Papers on Palaeont. & Biostratig., Sci. Res. Inst. Geol. Arctic, no. 19, p. 74-100.
- Luber, A. A., 1960. Parallelism of spore-pollen complexes of coalbearing Palaeozoic deposits of Kazakhstan with complexes of spores and pollen of the Donetz and Kuznetz Basins: Trans. Conf. on Unif. Strat. Classification of pre-Palaeozoic and Palaeozoic of E. Kazakhstan, v. II, Kazakh. USSR Acad. Sci., Geol. Sci. Inst., Alma-Ata., p. 161-171, 2 pls.
- Luber, A. A., and Waltz, I. E., 1941. Atlas of microspores and pollen of the Palaeozoic of the USSR: Trans. VSEGEI, Bull. 139, 75 pp., Moscow.
- Malyavkina, V. S., 1964. Spores and pollen from Triassic deposits of the west Siberian lowland: Trans. (Trudy) All-Union Petrol. Sci.-Res. Prosp. & Exploration Inst. (VNIGRI), no. 231, 294 pp., "NEDRA" Pub. House, Leningrad.
- Medvedeva, A. M., 1960, Stratigraphical subdivision of lower horizons of Tunguss series on the basis of spore-pollen analysis: Akad. Nauk SSSR, Inst. Geol. Razr. Gor. Isk. Moscow, 91 pp., 17 pls.
- Menner, V. V., 1962. Spore-pollen analysis, a method of direct correlation of strata of diverse facies, in Biostratigraphic Principles of Correlation of Marine, Lagoon and Continental Formations: Acad. Sci. USSR, Trans. Geol. Inst., v. 65, p. 124-190.
- Mikhailova, T. E., and Fradkina, A. F., 1966. Palynologic characteristics of Devonian-Lower Carboniferous deposits of the Kempendyai structural-prospecting borehole section: Acad. Sci. USSR, Siberian Branch, Inst. Geol. & Geophys., Palynology of Siberia, 2nd International Conference on Palynology, p. 70-73.

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.)

Executive Committee approvals 1) _____

(Applicant: please leave blank)

2) _____

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