Bibliography of
American Paleobotany
for 1976

Compiled under the auspices
of the
Paleobotanical Section
Botanical Society of America

by
Arthur D. Watt
Paleontology and Stratigraphy Branch
U. S. Geological Survey
Washington, D. C.
Cover: Reconstruction of an angiosperm reproductive axis bearing helically arranged conduplicate carpels. The material is lowermost Upper Cretaceous in age and was collected in western Kansas. A preliminary account of this fossil material was published in Science, 1976, vol. 191, pages 854-856, by D. L. Dilcher, W. L. Crepet, C. D. Becker, and H. C. Reynolds. The reconstruction was drawn by Ms. Molly Hubbard, Staff Artist, University of Connecticut.

The Bibliography of American Paleobotany for 1976 was typed and reproduced at Indiana University, Bloomington, Indiana 47401, July, 1978.
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Officers of the Paleobotanical Section for 1976

Chairman: Tom L. Phillips
Department of Botany
University of Illinois
Urbana, IL 61801

Secretary-Treasurer: David L. Dilcher
Department of Plant Sciences
Indiana University
Bloomington, IN 47401

Representative to the American Journal of Botany:
Thomas N. Taylor
Department of Botany
Ohio State University
Columbus, OH 43210
PERSONALIA

Henry N. Andrews taught a paleobotany course at Aarhus University from Sept. 15 to Dec. 15, 1976. It is a fine young university beautifully located on a hillside west of the city. Henry was favorably impressed with the work that Eske Koch and his colleagues (Marie Fries, Eric Christiansen, Walter Friedrich) are doing with the Miocene brown coal fossils of Denmark.

S. Archangelsky is in charge of the Paleobotany and Palynology Division of the Centro de Investigaciones en Recursos Geologicos (CIRGEO).

Sidney Ash is investigating Triassic bennettitaleans in eastern Australia during his sabbatical (1976-77). The work is being conducted with assistance of the U.S.-Australia Cooperative Science Program of the National Science Foundation at the University of New England, Armidale, N.S.W. in cooperation with Dr. R. E. Gould of that institution.

Elso S. Barghoorn did field work in northwest Western Australia, South Africa, Panama and Colombia with a broken leg in between.

Raymond A. Baschnagel has retired from teaching and will devote his time for continued research.

Anna M. Blazer, former Technical Information Specialist in charge of the U.S. Geological Survey paleobotanical library and Compendium Index of Fossil Plant Names, retired in December. Art Watt is continuing to maintain the Compendium as time permits.

James E. Canright was named general chairman for the 11th Annual A.A.S.P. meetings in 1978. Jim was a participant in the 4th International Palynological Conference in Lucknow, India, December 28, 1976-January 5, 1977 and chaired a session on stratigraphical palynology. He participated in a post-conference field trip to examine Gondwana sections in central India, Madhya Pradesh State.

John A. Clendening was councilor, American Association of Stratigraphic Palynologists, 1975-76 and is vice-president, 1976-77.

David L. Dilcher completed serving a 2 year term on the Utilities Service Board for the city of Bloomington.
Gary Dolph served as acting chairman of the botany section of the Indiana Academy of Science at their annual meeting at Valparaiso University on November 4, 1976. In addition, Gary will serve as chairman of the section at the annual meeting at Indiana University-Purdue University at Indianapolis in 1977.

Lanny H. Fisk attended and presented a paper at the 25th International Geological Congress, Sydney, Australia in August and post-congress spent two weeks examining Tertiary exposures in the South Island of New Zealand. In December and January Lanny presented papers at the Fourth International Palynological Conference in Lucknow, India. Lanny will be on a post-doctoral leave from June to December 1977 working with A. T. Cross at Michigan State University.

Jerry L. Harr is director of geochemical research for A. P. L. Laboratories.

On March 1st Richard J. Hebda will begin as assistant professor in the Biology Department of the University of Waterloo, concentrating on the field of Quaternary paleoecology.

Leo J. Hickey continued field work on the late Cretaceous to early Eocene sediments and floras of the Big Horn Basin. Leo was reelected to the Council of the Yellowstone-Big Horn Research Association in July.

Francis M. Hueber spent 1 1/2 months in Melbourne, Victoria, Australia working with Jacqueline Tims at the University of Melbourne on genera of the Baragwanathia flora.

In June and July, 1977, D. M. Jarzen will be in Zambia with D. A. Russell (vertebrate paleobiologist) and P. Beland (paleoecologist) to study the effect of large herbivores on savannah and subropical vegetation in order to be able to make comparisons with the Maastrichtian dinosaur fauna and the associated floras of western Canada.

G. O. W. Kremp attended the IVth IPC, Lucknow and IVth International Gondwana Symposium, Calcutta, Dec. 1976-Jan. 1977. Gerhard will be a member of the group for scientific exchange visit with the Academy of Sciences of Czechoslovakia, May, 1977 and he is also a member of the Association Latino-americana de Paleobotanica y Paleontologia (Corrientes, Argentina).

Steven R. Manchester directed a 4 week controlled excavation of the Eocene Clarno "Nut Beds" deposit of central Oregon for the Oregon Museum of Science and Industry, summer, 1976. Emphasis was placed on fossil leaves.
Michael A. Millay is enjoying a postdoctoral fellowship (Botany) in the laboratory of Tom Taylor, Botany Department, The Ohio State University.

Karl J. Niklas was appointed associate editor of the new journal Organic Geochemistry. Karl was awarded a two year NSF grant for research on the chemotaxonomy of selected plant fossils and he was appointed chairman of the Plant Systematics and Taxonomy, Ph.D. thesis committee at City University of the city of New York.

Lindsey Oestry-Stidd is working toward the Ph.D. in the Crop Evolution Laboratory, University of Illinois.

James M. Schopf has retired from official duty with the U.S.G.S. but continues to exercise most of his Survey functions in W.A.E. status. His relationship with the Ohio State University has not changed and except when out of town, he continues to spend working days (and some others) at the laboratory. The Laboratory telephone number has been changed to (614) 422-2745.

Shyam C. Srivastava is visiting Ted Delevoryas' laboratory at the Botany Department, The University of Texas at Austin under the National Program of the Government of India for visiting scientists.

Robert E. Thorne, from September 8 to 12, participated in a Symposium on Flowering Plants at Hamburg: Evolution and classification of higher categories. Following the symposium Robert spent a week in Copenhagen and Lund.

Alfred Traverse is vicar of the Episcopal Church in Huntingdon while continuing at Penn State University. His home address is: R.P.D. 2, Box 298, Huntingdon, PA 16652.
WORK IN PROGRESS

Andrews, George W.
Marine diatom zonation of the miocene of Maryland.
Middle Miocene diatoms from the Ridgland Trough, South Carolina and Georgia.

Andrews, Henry N.
Continuing work in the history of paleobotany.

Archangelsky, S.
Fossil plants from the upper Carboniferous of the Rioja province, Argentina.

Lower Permian palynology of a borehole in Cardoba Province, Argentina.

Editing the Boletin ALEPP (Asociacion Latinoamericana de Paleobotanica y Palinologia).

Banks, Harlan P.
(with Bruce Serlin). Aneurophyton.
(with Sara Stubblefield). Drepanophycus spinaeformis.
(with Christine Hartman). Oligocene pine cone.
(with Muriel Demaret-Fairon). Leaves of Archaeosigillaria.

Barghoorn, Else S.
(with A. Knoll). New Archean microfossils from western Australia and South Africa.
(with S. Awramik). Completion of comprehensive bibliography of Precambrian paleobiology.
(with S. Francis and L. Margulis). On the appearance of eukaryotic organisms in the fossil record: implications of studies of laboratory silicification of microorganisms and organic microspheres.

(with C. C. Walters and L. Margulis). On the experimental silicification of microorganisms.

Baschnagel, Raymond A.

Fossil algae from the Middle Devonian of New York State.

Basinger, James F.

Permineralized plants, including ferns and Metasequoia, from the Eocene of British Columbia.

Beck, Charles B.

Periastron and related forms from the New Albany shale.

Stellar anatomy of Archaeopteris and Callixylon.

Morphology of fertile regions of Archaeopteris.

(with W. Stein). A "polystelic" genus from the New Albany shale.

(with W. Stein). Middle Devonian plants from New York and Virginia.


Brach-Nanes, Sheila D.

Observations on a new pollen species from a Pennsylvania pteridosperm.

An investigation of the micro-gametophytes from Lepidostrobus schopfii.

Structurally preserved lepidodendrcean cones from the Pennsylvanian of North America.

Canright, James E.

Devonian microfloras of Arizona and New Mexico.


Clendening, John A.

Cambrian acritarchs from eastern Tennessee and western Virginia, U.S.A.

(with W. H. Gillespie and H. Pfefferkorn). Revision of "Plant fossils of West Virginia."

Cornet, Bruce

(with Alfred Traverse). Palynology, chronology and paleoecology of the Newark Group basins in eastern U.S.

Daghlian, Charles F.

Sabaloid palms from the Lower and Middle Eocene of southeastern North America. Comparative anatomy and morphology.

Delevoryas, T.

Triassic plants from North Carolina.

Jurassic plants from Mexico.

Jurassic plants from Honduras.

Dilcher, David L.

Early angiosperm reproduction.

(with William Crepet). Leaflets, additional winged fruits and catkins of Middle Eocene Juglandaceae.


Dolph, Gary

Character associations in angiosperm leaves.

Variation in leaf size with respect to climate in the western hemisphere.
Foliar physiognomy of the Carolinas.

Taxonomic revision of a species of Quercus from the Miocene of Oregon.

Eggert, D. A.

Structure and development of phloem in various Paleozoic plants.

Morphology of the vegetative parts of Rhynia gwynne-vaughani K. and L.

Felix, Charles

(with P. Burbridge). Status of Triassic palynology in the Canadian Arctic.

Fisk, Lanny H.

Palynology, paleoecology and depositional history of the Amethyst Mountain "Fossil Forest" (Eocene), Yellowstone National Park, Wyoming.

Pollen of Reveesia (Sterculiaceae) from the Tertiary of North America.


(with J. Elmendorf). Fossil leaves from the Pilot Rock locality (Eocene Clarno Formation?), Umatilla County, Oregon.


Fowler, K.


Fritz, William J.


(with L. H. Fisk). Petrified woods from the Eagle Creek Formation (Eocene), Oregon.

(with L. H. Fisk and J. Elmendorf). Petrified woods from the Columbia River Basalts (Miocene), near Pilot Rock, Oregon.

Fry, Wayne L.

The Monte de Oro (Jurassic) California flora.

The Buck Mountain flora (Late Jurassic?) of Oregon.

Ganders, Fred R.


Gastado, Robert A.

Middle Pennsylvanian compression-impression reproductive structures.

Preliminary studies for monographic revision of Pecopteris Brgt. in North America.

(with L. C. Matten and M. R. Lee). Fossil Robinia wood from the western United States.

Good, Charles W.

Revision of the Sphenophyllaceae.

Early Pennsylvanian Botryopteris fructifications.

Gray, Jane

(with A. J. Boucot and G. Laubacher). Additions to Silurian stratigraphy, lithofacies, biogeography, and paleontology for Bolivia and southern Peru.
Harr, Jerry L.

Silicified peat from the Fort Union of North Dakota. The ferns, angiosperms and several types of wood have yet to be described.

Hebbda, Richard J.

The paleoecology of a raised bog and associated sediments of the Fraser River delta, British Columbia.


Hickey, L. J.

Leaf ranking in the dicotyledons.

Floral change across the Cretaceous-Tertiary boundary.

(with Rayna K. Peterson). Emendation of the genus Zingiberopsis (Zingiberaceae); its leaf architectural and systematic significance.

Hires, Clara S.

Volume II of Spores. Ferns. Microscopic illusions analyzed.

Hueber, Francis M.

Morphology, anatomy and taxonomy of Devonian genera from Gaspe, New Brunswick and Ontario, Canada; as well as Victoria and Queensland, Australia.

Some genera being studied from the Mississippian of Queensland, Australia.

Jarzen, David M.

Aquatic and marsh inhabiting vascular plants from the Paleocene of Saskatchewan.

The pollen and spore reference collection at the National Museums of Canada.

(with G. Norris). The terrestrial and marine palynofloras from the Cretaceous-Tertiary transition, Alabama, U.S.A.

(With F. Beland). Observations on large herbivores in subtropical/tropical regions (past and present).
Kapp, Ronald O.

Correlation of late glacial and post glacial pollen with modern pollen rain and vegetation.

Comprehensive study of the ecosystems of the Pine River watershed, central Michigan.

Klose, W. F., II

Cones and megaspores of *Lepidocarpon* from Pennsylvania N. E. PA.).

The flora of the Baltimore coal (Allegheny).

The flora of the Clark coal, Carbondale, PA.

The flora of the Sugarnotch vein 2.

The flora and fauna of the Buck Mountain coal 5 (southern Anthracite Basin).


Kremp, G. O. W.

The first appearance of tricolpate dicotyledoneous pollen in the Lower Cretaceous (World wide).

Continuation of Kremp Palynological Data Retrieval Research Project. (Palyno Data).

LaPashe, Constantine Anthony

Investigations of the paleobotany of the Lower Cretaceous of the Puyango River Valley, Ecuador, S. A.

Leary, Richard L.

Continued research on the early Pennsylvanian floras and geology of the Eastern Interior (Illinois) Basin.

LeBlanc, Arthur E.

Paleozoic, Mesozoic and Cenozoic palynostratigraphy of Arctic Canada and Rocky Mountains.

Mesozoic palynostratigraphy of the North Sea.
Investigations of conifer compressions from the Kootenal Formation, Great Falls, Montana.

Investigation of a pyritic cone from the Magothy Formation, N. J.

Leisman, Gilbert A.

The flora of the Hamilton, Kansas quarry.
(with B. M. Stidd). Further information on Sporangiostrobus in coal balls.

Mamay, S. H.

Vojnovskya in North America.

Manzano gingkophytes.

General studies, Permian floras of southwestern United States.

Pennsylvanian plants from Alaska.

Manchester, Steven R.

Studies of fossil woods, leaves, fruits and seeds from the Late Eocene "Nut Beds" deposit of the Clarno Formation, Oregon.

Early Tertiary woods with tile cells.

McGregor, D. C.

Review of Silurian and Devonian spores of North America and related regions.

Devonian spores of the Eids and Blue Fiord Formations, Canadian Arctic Archipelago.

Spores of the Middle Devonian Weatherall Formation, Canadian Arctic Archipelago.

Melchior, Robert C.

Monograph on the flora of the Wannagan Creek site, Tongue River Formation (Paleocene), North Dakota.
Miklausen, A. J.

Contributions to the fossil flora of the Mississippian.

Millay, Michael A.

Fertile branching system and foliage of the lyginopterid seed fern *Feraxotheca*.

A new species of *Eoangiopteris* Mamay.

Monograph of anatomically preserved marattialean synangia.

Ultrastructure of seed fern microspores.

Miller, Charles N., Jr.

Work on several different types of pyritized conifer cones from the Late Cretaceous Magothy Formation of Cliffwood, New Jersey.

Study of a *Pinus* cone from the Miocene of Martha's Vineyard Island, Massachusetts.

Anatomical investigation of the type material of *Pinus vernonensis* Ward from the Early Cretaceous of Virginia.

Mott, Robert J.

Relative and absolute pollen diagrams from southern Ontario.

Pollen profiles from the Gatineau Park, Quebec.

*Populus* in Late Pleistocene pollen spectra.

Niklas, Karl J.

(with D. E. Giannasi). Further chemical studies of the Sucker Creek flora.

(with W. G. Chaloner). Chemotaxonomy of Paleozoic fossils.

(with P. Gensel). Chemotaxonomy of Paleozoic fossils.

Oehler, Dorothy Z.

Microflora of the middle Proterozoic Balbirini Dolomite (McArthur Group) of Australia.
Microfossils from two new late Precambrian localities in Australia, the Smithton Dolomite (Tasmania) and the Gillen Member of the Bitter Springs Formation.

Transmission electron microscopy of nuclei and cell walls of the Triassic cycad, *Lyssoxyylon grigsbyi*.

**Oehler, John H.**

"Evolutionary aspects of biological involvement in the cycling of silica" and "Deposition and diagensis of biogenic silica" for a book, Biological Factors in Mineral Cycling, Trudinger and Swaine, eds.

Microfossils from late Precambrian Smithton Dolomite in northwestern Tasmania and microfossils from evaporitic facies in the Gillen Member of the late Precambrian Bitter Springs Formation of central Australia.

**Oestry-Stidd, Linda L.**

*Neuropteria rarinervis* in American coal balls.

**Peppers, Russel A.**

Palynology and correlation of coals in the Spoon and Abbott Formations of Illinois and equivalent strata in Indiana and western Kentucky.

(with Frank R. Ettensohn). Palynology and stratigraphy of Pennington shales and coals (Chesterian) at selected sites in northeastern Kentucky.

**Pfefferkorn, Hermann W.**

Biostratigraphy of the Pennsylvanian in Illinois.

(with W. H. Gillespie). Plant megafossils of the Pennsylvanian System stratotype in West Virginia.

**Phillips, Tom L.**

Quantitative analysis of Pennsylvanian Coal Swamp vegetation in relation to coal.

Evolution of coenopterid ferns.

**Rigby, J. F.**

Permian and Triassic paleobotany.

Upper Paleozoic palynology.
Robison, Coleman R.

The comparative anatomy of fossil conifers from the Upper Cretaceous of Martha's Vineyard Island, Massachusetts.

Prepinus-like dwarf shoots from the Lower Cretaceous (Patuxent Formation) of Maryland.

Anatomy of Piceites cretaceus Brown from the Lower Cretaceous of Maryland.

(with T. N. Taylor). Cordaianthus compressions from the Middle Pennsylvanian of Murphysboro, Illinois.

Roth, John L., Jr.

A revision of the Annonaceous leaves from the Middle Eocene of Tennessee.

Taxonomic affinities of stipulate leaves from the Middle Eocene of Tennessee.

Some considerations in leaf size and leaf margin analysis of fossil leaves.

Rothwell, Gar W.

The vascular architecture of Cordaianthus concinnus.

Reproductive features of the Callistophytaceae.

Systematic studies of psaroniaceous axes.

Schabilion, Jeffry

(with Nancy Brotzman). Ontogeny and Pathology of Nucellangium glabrum.

(with Mary Ann Rehman). Linopteris and Neuropteris from Iowa coal balls.

(with Nicholas Hartwig). Vascularization of Cycadeoidae dacotensis and C. mcbridei.

Scheckler, Stephen E.

A new diminutive trimerophyte from Alberta.

Schopf, James, M.

Work on plants in Antarctic permineralized peat.
Srivastava, Shyam C.
(with T. Delevoryas). A general survey of Mesozoic cycadophytes.
(with T. Delevoryas). Investigations of Jurassic plant fossils from Honduras.

Stolar, John
(with Alfred Traverse). Megaspores from some Upper Devonian and Lower Mississippian deltaic sediments of central PA.

Taylor, Thomas N.
Ultrastructural studies of fossil pollen and spores.
Morphological and anatomical studies of the Lewis Creek flora.

Thorne, Robert F.
Phylogeny and geography of Angiospermae establishing Glossopetalon as a third genus in the Crossosomataceae.
Further realignments in the Angiospermae.

Tiffney, Bruce H.
Fruits and seeds of the Brandon Lignite: Magnoliaceae, Illiciaceae, Staphyleaceae, Symplocaceae, Lythraceae.
Fruits, seeds and flowers of the Late Cretaceous of Martha's Vineyard; angiosperms only.
(with Andrew Knoll). A Devonian flora from the upper portions of the Yukon River Alaska.

Trasverse, Alfred
Black Sea palynology: DSDP Leg 12B cores.
Newark Basins palynology--especially Fundy Basin.

Weedin, James F.
Analysis of fossil plants in Pennsylvanian depositional systems of north-central and trans-Pecos, Texas.
Andrews, George W.

Morphology and stratigraphic significance of *Delphinea*, a new marine diatom genus. *Nova Hedwigia*.

Andrews, Henry N.


Archangelsky, S.

*Balviciopsis*, nuevo nombre generico para *Tuaperturopollenites linbatua* Balme. *Ameghiniana*.

Ash, Sidney

*Eoginkgoites davidsonii* sp. nov.: An unusual bennettitalean leaf from the Upper Triassic of the southwestern United States. *Palaeontology*.

Awramik, S.


Banks, Harlan F.


Pteridophyta. *In Fairbridge (ed.). Encyclopedia of Paleontology*.

Barghoorn, E. S.


Batchelder, G. L.

(with R. K. Merrill). Late Quaternary pollen evidence for climatic variation and ecology correlated with the glacial chronology of the White Mountains of east-central Arizona. Ecology or G.S.A. Bull.

Becker, Herman F.


Brach-Hanes, Sheila D.


Canright, James E.


Cohen, A. D.


Crepet, W. L.

Daghlian, Charles F.

A new melioloid fungus from the early Eocene of Texas. Palaeontology.


Delevoryas, T.

(with others). Biota, age and significance of lake deposits, Carapace Nunatak, Victoria Land, Antarctica. Fourth Intern. Gondwana Symp., India.


Dilcher, David L.


Dolph, Gary E.


Eggert, D. A.


Ehret, David


Felix, Charles


Fowler, K.


Fritz, W. J.


Galtier, Jean


Ganders, Fred R.


Gastado, Robert A.

A Middle Pennsylvanian flora from Carterville, Illinois. In Geobotany, R. C. Romans, ed.

(with L. C. Matten). Studies on North American Pecopterids. I. *Pecopteris vera* n. sp. from the Middle Pennsylvanian of southern Illinois. Palaeontographica B.
Given, P. H.

Gleason, P. J.

Golubic, S.
(with E. S. Barghoorn). Interpretation of microbial fossils with special reference to the Precambrian. Chap. Recent research on fossil algae, Springer-Verlag, Heidelberg.

Good, Charles W.
Taxonomic and stratigraphic significance of the dispersal spore genus Calamospora. Geobotany.

Gould, Rodney, E.


(with G. J. Retallack and B. Runnegar). Isotopic dating of a Middle Triassic flora near Nymboida, northeastern New South Wales. Proc. Linnean Soc., N.S.W.

Graham, Alan

Gray, Jane

(with A. J. Boucot, eds.). Historical biogeography, plate tectonics and the changing environment. Oregon State Univ. Press.

Harr, Jerry L.


Hickey, L. J.


Horne, J. C.


Jarzen, David M.

Aquilapollenites and some santalalean genera. A botanical comparison. Grana 16.

Some Maastrichtian palynomorphs and their phytogeographical and paleoecological implications. Palynology.

Angiosperm pollen as indicators of Cretaceous-Tertiary environments. Syllogus.

Kapp, Ronald O.


Kosanke, Robert M.

Upper Pennsylvanian of North America and Pennsylvanian-Permian boundary. 8th Congres International de Stratigraphie et de Geologie du Carbonifere--Compte Rendu.
Coal palynology and petrology. Colorado Geological Survey.

Kremp, G. O. W.


Leary, Richard L.


Leffingwell, H. A.


Lyons, Paul C.


Mamay, S. H.

Fossil plants of Baylor County, Texas. Salt Rock to Sirloin. History of Baylor County to be published by the Baylor County Historical Society.
Manchester, Steven R.


Margulis, L.


McGregor, D. C.

Lower and Middle Devonian spores of eastern Gaspe, Canada. II. Biostratigraphy. Palaeontographica B.

Melchior, Robert C.


Millay, Michael A.

*Acaulangium* gen. n., a fertile marattialean from the Upper Pennsylvanian of Illinois. Amer. J. Bot.


Miller, Charles N., Jr.


Mott, Robert J.

A Holocene pollen profile from the Sept-Iles area, Quebec. Le Naturaliste canadien.

Late-Pleistocene and Holocene palynology in southeastern Quebec. Proc. Troisième Colloque sur la Quaternaire du Québec.

Nambudiri, E. M. C.


Niklas, Karl J.

Morphological and ontogenetic reconstructions of Parkea decipiens from the Lower Old Red Sandstone (U. K.) and their possible relationships to Pachytesta. Royal Geol. Soc. Edinburgh.


Nitecki, M. H.

(with G. G. Forney). Ordovician Receptaculites comachon. sp. from Argentina. Fieldiana Geology.

(with M. E. Johnson). Internal structures of Cyclocrinites dactioloides, a receptaculitid alga from the Lower Silurian of Iowa. Fieldiana Geology.
Oehler, Dorothy Z.


(with J. W. Smith). Isotopic composition of reduced and oxidized carbon in early Archaean rocks from Isua, Greenland. Precambrian Research.

Oehler, John H.

Microflora of the H.Y.C. pyritic shale member of the Barney Creek Formation (McArthur Group), middle Proterozoic of northern Australia. Alcheringa.

Irreversible contamination of Precambrian kerogen by $^{14}$C-labelled organic compounds. Precambrian Research.


Pfefferkorn, Hermann W.


Pheifer, R. N.


Phillips, T. L.


Rigby, J. F.


Robison, Coleman R.

*Pinus triphylla* and *Pinus quinquefolia* from the Upper Cretaceous of Massachusetts. Amer. J. Bot.

*Prepinus parlinensis*, s. n. from the Late Cretaceous of New Jersey. Bot. Gaz.

(with C. N. Miller, Jr.). Anatomically preserved seed cones of the pinaceae from the Upper Cretaceous of Virginia. Amer. J. Bot.

Roth, J. L.


Schopf, James M.

Distribution of plants, climate and continents in the Late Paleozoic. Jour. Geol.


Schopf, J. William


Evidences of Archean life. Chemical Evolution of the Precambrian.

Earliest evidences of fossil eukaryotes. Chemical Evolution of the Precambrian.


Scheckler, Stephen E.


Schmid, Rudolf


Functional and ecological interpretations of floral and fruit anatomy. Bot. Rev. 43.

(with M. D. Turner). Darmera, the correct name for Peltophyllum (Saxifragaceae), and new combination in Peltophyllum (Triuridaceae). Madrano.

Schofield, Eileen K.


Staub, J. R.


Sturm, Martin

Taylor, Thomas N.

Toward an understanding of the reproductive biology of fossil plants. Geobotany Conference, Bowling Green University, Plenum Press.


Thorne, Robert F.

Where and when might the tropical angiospermous flora have originated? Singapore Gardens' Bulletin.

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