

Bibliography of the Publications of Patricia G. Gensel

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1969

[Abstract]. (with H.N. Andrews and A.E. Kasper). An early Devonian flora from northern Maine, U.S.A., p. 4. *In* Abstracts of the Papers Presented at the XI International Botanical Congress, August 24-September 2, 1969 and the International Wood Chemistry Symposium, September 2-4, 1969, Seattle, Washington. [XI International Botanical Congress], Seattle, Washington. 260 pp.

(with Andrew Kasper and Henry N. Andrews). *Kaulangiophyton*, a new genus of plants from the Devonian of Maine. *Bulletin of the Torrey Botanical Club* 96: 265-276.

1972

(with Tom L. Phillips and Henry N. Andrews). Two heterosporous species of *Archaeopteris* from the Upper Devonian of West Virginia. *Palaeontographica, Abt. B, Palaophytol.* 139: 47-71 + plates 36-45.

1973

[Abstract]. (with Henry Andrews and William Forbes). An apparently heterosporous plant from the Middle Devonian of New Brunswick. *American Journal of Botany* 60(4, supplement): 15.

A new plant from the Lower Mississippian of southwestern Virginia. *Palaeontographica, Abt. B, Palaophytol.* 142: 137-153 + plates 33-40 + folder.

[Abstract]. A new plant from the Lower Mississippian of southwestern Virginia. *American Journal of Botany* 60(4, supplement): 16-17.

1974

(with Henry N. Andrews and William H. Forbes). An apparently heterosporous plant from the Middle Devonian of New Brunswick. *Palaeontology* 17: 387-408 + plates 52-57.

1975

(with Henry N. Andrews and Andrew E. Kasper). A new fossil plant of probable intermediate affinities (Trimerophyte-Progymnosperm). *Canadian Journal of Botany* 53: 1719-1728.

(with Henry N. Andrews and William H. Forbes). A new species of *Sawdonia* with notes on the origin of microphylls and lateral sporangia. *Botanical Gazette* 136: 50-62.

[Abstract]. (with Jeffrey B. Doran and Henry N. Andrews). Two new species of *Trimerophyton* from eastern Canada, p. 20. *In* Botanical Society of America. Abstracts of Papers

To Be Presented at the Meetings of the Botanical Society of America and Certain Affiliated Groups at Oregon State University, Corvallis, 17-22 August 1975. Botanical Society of America. 65 pp.

[Abstract]. (with Henry N. Andrews). Devonian *in situ* spores, p. 20. *In* Botanical Society of America. Abstracts of Papers To Be Presented at the Meetings of the Botanical Society of America and Certain Affiliated Groups at Oregon State University, Corvallis, 17-22 August 1975. Botanical Society of America. 65 pp.

[Abstract]. A new plant from the Lower Devonian of Gaspé, p. 20. *In* Botanical Society of America. Abstracts of Papers To Be Presented at the Meetings of the Botanical Society of America and Certain Affiliated Groups at Oregon State University, Corvallis, 17-22 August 1975. Botanical Society of America. 65 pp.

[Abstract]. (with Jeffrey A. Granoff and Henry N. Andrews). A new trimerophyte from the Devonian of eastern Canada, p. 21. *In* Botanical Society of America. Abstracts of Papers To Be Presented at the Meetings of the Botanical Society of America and Certain Affiliated Groups at Oregon State University, Corvallis, 17-22 August 1975. Botanical Society of America. 65 pp.

1976

[Abstract]. (with J.E. Skog). Some fossil plants from the Mississippian of southwestern Virginia. *Virginia Journal of Science* 27(2): 59.

[Abstract]. (with Karl Niklas). Chemotaxonomy of some selected Paleozoic plants, p. 28. *In* Botanical Society of America. Abstracts of Papers To Be Presented at the Meetings of the Botanical Society of America and Certain Affiliated Groups at Tulane University, New Orleans, 30 May-4 June 1976. Botanical Society of America. 66 pp.

[Abstract]. (with Karl Niklas). Chemotaxonomy of some selected Paleozoic plants. Part II, pp. 25-26. *In* Botanical Society of America. Abstracts of Papers To Be Presented at the Meetings of the Botanical Society of America and Certain Affiliated Groups at Tulane University, New Orleans, 30 May-4 June 1976. Botanical Society of America. 66 pp.

[Abstract]. (with Judith E. Skog). Studies of early Mississippian plants from Virginia, p. 26. *In* Botanical Society of America. Abstracts of Papers To Be Presented at the Meetings of the Botanical Society of America and Certain Affiliated Groups at Tulane University, New Orleans, 30 May-4 June 1976. Botanical Society of America. 66 pp.

(with Karl J. Niklas). Chemotaxonomy of some Paleozoic vascular plants. Part I: chemical compositions and preliminary cluster analyses. *Brittonia* 28: 353-378.

(with Jeffrey A. Granoff and Henry N. Andrews). A new species of *Pertica* from the Devonian of eastern Canada. *Palaeontographica, Abt. B, Palaophytol.* 155: 119-128 + plates 1-4.

(with Gregory J. Anderson). Pollen morphology and the systematics of *Solanum* section *Basarthrum*. *Pollen et Spores* 18: 533-552.

Renalia Hueberi, a new plant from the Lower Devonian of Gaspé. Review of Palaeobotany and Palynology 22: 19-37.

1977

(with K.J. Niklas). Chemotaxonomy of some Paleozoic vascular plants. Part II: chemical characterization of major plant groups. Brittonia 29: 100-111.

(with Henry N. Andrews, Andrew E. Kasper, William H. Forbes, and William G. Chaloner). Early Devonian flora of the Trout Valley Formation of northern Maine. Review of Palaeobotany and Palynology 23: 255-285.

Fossil ferns: selected references, pp. 20-26. In M.I. Cousens (compiler), Bibliography of American Pteridology 1977. Pteridological Section of the Botanical Society of America, Inc. 46 pp.

Morphologic and taxonomic relationships of the *Psilotaceae* relative to evolutionary lines in early land vascular plants. Brittonia 29: 14-29.

[Abstract]. (with Gregory J. Anderson). Pollen morphology and the systematics of *Solanum*, section *Basarthrum*. Botanical Society of America, Miscellaneous Series, Publication 154: 56.

[Abstract]. Some *Psilophyton* species from eastern Canada. Botanical Society of America, Miscellaneous Series, Publication 154: 37.

(with Judith E. Skog). Two early Mississippian seeds from the Price Formation of southwestern Virginia. Brittonia 29: 332-351.

1978

(with Karl J. Niklas). Chemotaxonomy of some Paleozoic vascular plants. Part III: cluster configurations and their bearing on taxonomic relationships. Brittonia 30: 216-232.

(with Jeffrey B. Doran and Henry N. Andrews). New occurrences of trimerophytes from the Devonian of eastern Canada. Canadian Journal of Botany 56: 3052-3068.

On *Cardiopteridium* Nathorst and *Neuropteris* Brongniart from the early Mississippian Price Formation, southwestern Virginia. [Manuscript]. i, 21 pp. + plates 1-2.

[Abstract]. Studies of some *in situ* Devonian spores. Palynology 2: 220.

1979

(with A. White and C.R. Parks). Botany 11: Introductory Botany Laboratory Manual. Revised edition. University of North Carolina, Chapel Hill. 77 pp.

Two *Psilophyton* species from the Lower Devonian of eastern Canada with a discussion of morphological variation within the genus. *Palaeontographica*, Abt. B, Palaeophytol. 168: 81-99 + plates 1-8.

1980

Devonian *in situ* spores: a survey and discussion. *Review of Palaeobotany and Palynology* 30: 101-132.

(with Judith E. Skog). A fertile species of *Triphyllopteris* from the Early Carboniferous (Mississippian) of southwestern Virginia. *American Journal Botany* 67: 440-451.

[Abstract]. (with Alan R. White). On the spores of *Psilophyton*, p. 150. In W.G. Chaloner and A. Sheerin (editors), *Fifth International Palynological Conference Abstracts*. [Cambridge, Eng.]. 463 pp.

1981

[Abstract]. The nature and diversity of zosterophyllophytes from the late Early Devonian of New Brunswick, Canada, p. 203. In *Abstracts: XIII International Botanical Congress, Sydney, Australia, 21-28 August, 1981*. International Botanical Congress, Sydney, Australia. 351 pp.

1982

A new species of *Zosterophyllum* from the Early Devonian of New Brunswick. *American Journal of Botany* 69: 651-669.

On the contributions of Sir J.W. Dawson to the study of early land plants (Devonian) and current ideas concerning their nature, diversity and evolutionary relationships, pp. 199-204. In B. Mamet and M.J. Copeland (compilers and editors), *Third North American Paleontological Convention, Montreal, August 5-7, 1982: Proceedings, Vol. 1*. University of Montreal and Geological Survey of Canada, Ottawa. 2 volumes. (xii, 598 pp.).

Oricilla, a new genus referable to the zosterophyllophytes from the late Early Devonian of northern New Brunswick. *Review of Palaeobotany and Palynology* 37: 345-359.

(with Norman O. Frederiksen (organizer and moderator), William R. Evitt et al. (panelists)). The future of palynology. *Palynology* 6: 1-7.

1983

(with A.R. White). The morphology and ultrastructure of spores of the Early Devonian trimerophyte *Psilophyton* (Dawson) Hueber & Banks. *Palynology* 7: 221-233.

[Abstract]. A new, anatomically complex plant from the Early Devonian of Gaspé. *American Journal of Botany* 70 (5, pt. 2): 71.

1984

(with Henry N. Andrews). *Plant Life in the Devonian*. New York: Praeger Press. 380 pp.

(with Andrew H. Knoll, Karl J. Niklas, and Bruce H. Tiffney). Character diversification and patterns of evolution in early vascular plants. *Paleobiology* 10: 34-47.

A new Lower Devonian plant and the early evolution of leaves. *Nature* 309: 785-787.

1985

(with Charles A. Trant). Branching in *Psilophyton*: A new species from the Lower Devonian of New Brunswick, Canada. *American Journal of Botany* 72: 1256-1273.

1986

Diversification of land plants in the Early and Middle Devonian, pp. 64-75. In R.A. Gastaldo (organizer), *Land Plants: Notes for a Short Course*. University of Tennessee Department of Geological Sciences, Studies in Geology 15. Edited by T.W. Broadhead. Prepared for the Short Course on Land Plants sponsored by the Paleontological Society held at San Antonio, Texas, November 9, 1986. v, 226 pp.

Review of M.W. Dick and D. Edwards (editors). 1983. *Contributions to Palaeobotany: A retirement tribute to Professor W.S. Lacey*. Reprinted from the *Botanical Journal of the Linnean Society*, Vol. 86, nos. 1 & 2. Academic Press: London, New York. 225 pp. *Systematic Botany* 11: 19.

Review of D.B. Lellinger. 1985. *A Field Manual of the Ferns and Fern-allies of the United States and Canada*. Smithsonian Institution Press, Washington, D.C. 389 pp. *Systematic Botany* 11: 610-611.

Plant fossils of the Upper Triassic Deep River Basin, pp. 82-86. In P. Gore (editor), *Depositional Framework of a Triassic Rift Basin: the Durham and Sandford Sub-basins of the Deep River Basin, North Carolina*. Society of Economic Paleontologists and Mineralogists.

[Abstract]. (with James A. Belcher). A new zosterophyll from the Emsian of New Brunswick, Canada. *American Journal of Botany* 73: 700.

[Abstract]. (with Linda A. Raubeson). Morphology of the Upper Cretaceous conifer *Androvettia* from North Carolina. *American Journal of Botany* 73: 710.

[Abstract]. (with Linda A. Raubeson). Conifers of the Upper Cretaceous Black Creek Formation: A preliminary report. *American Journal of Botany* 73: 716.

1987

(with Henry N. Andrews). The evolution of early land plants. *American Scientist* 75: 478-489.

[Abstract]. Flora of the Mapleton Sandstone (Middle Devonian), Maine- a preliminary report. American Journal of Botany 74: 683-684.

[Abstract]. (with Norma G. Johnson). A new occurrence of *Bitelaria* from the Emsian of New Brunswick, Canada, and its significance relative to early land plant evolution. American Journal of Botany 74: 685.

1988

(with Andrew E. Kasper, Jr., William H. Forbes, and Henry N. Andrews, Jr.). Plant paleontology in the state of Maine - a review, pp. 109-128. In R.D. Tucker and R.G. Marviny (editors), Studies in Maine Geology, Vol. 1. Maine Geological Survey, Department of Conservation, Augusta, Maine. 6 volumes.

On *Neuropteris* Brongniart and *Cardiopteridium* Nathorst from the Early Carboniferous Price Formation, southwestern Virginia, U.S.A. Review of Palaeobotany and Palynology 54: 105-119.

[Abstract]. (with Elisabeth A. Wheeler). Upper Cretaceous woods from North Carolina. American Journal of Botany 75 (6, part 2): 119.

1989

Review of B. Thomas and R. Spicer. 1987. The Evolution and Palaeobiology of Land Plants. Dioscorides Press. AASP Newsletter 22: 9-10.

[Abstract]. The anatomy of *Pertica*- a preliminary report. American Journal of Botany 76 (6, supplement): 165-166.

[Abstract]. (with Norma G. Johnson). The Early Devonian (Emsian) land plant *Bitelaria*, previously allied with thallophytes, is a tracheophyte with a specialized cuticular construction. American Journal of Botany 76 (6, supplement): 167.

[Abstract]. Zosterophylls- the next best thing to a lycopod? American Journal of Botany 76 (6, supplement): 197.

1990

[Abstract]. Anatomically preserved trimerophytes, continued. The trilobed form. American Journal of Botany 77 (6, supplement): 86.

1991

(with Norma G. Johnson and Paul K. Strother). Early land plant debris (Hooker's "Waifs and Strays"?). Palaios 5: 520-547.

(with William G. Chaloner and William H. Forbes). *Spongiophyton* from the late Lower Devonian of New Brunswick and Quebec, Canada. Palaeontology 34: 149-168 + 3 plates.

(with Linda A. Raubeson). Upper Cretaceous conifer leaf fossils from the Black Creek Formation with an assessment of affinities using principal components analysis. *Botanical Gazette* 152: 380-391.

Notes on the cuticular morphology of *Sawdonia acanthotheca*, particularly in regard to emergences. *Remy Festschrift. Neue Jahrbuch für Geologie und Paläontologie, Abhandlung* 183: 49-59.

[Abstract]. (with Matthew Lawrence). Plant megafossils and other remains from the Early Frasnian Escuminac Formation, Quebec. *American Journal of Botany* 78 (6, supplement): 114.

1992

Phylogenetic relationships of the zosterophylls and lycopsids: evidence from morphology, paleoecology, and cladistic methods of inference. *Annals of the Missouri Botanical Garden* 79: 450-473.

(with Norma G. Johnson). A reinterpretation of the Early Devonian land plant, *Bitelaria* Istchenko and Istchenko, 1979, based on new material from New Brunswick, Canada. *Review of Palaeobotany and Palynology* 74: 109-138.

1993

(with Winfried Remy and Hagen Hass). The gametophyte generation of some Early Devonian land plants. *International Journal of Plant Sciences* 154: 35-38.

1994

(with Norma G. Johnson). The cuticular structure and stomatal organization of *Orestovia* sp. cf. *O. petzii* from the Kuznetsk Basin, western Siberia. *Palaeontographica* 233B: 1-10 + 6 plates.

[Abstract]. (with Caroline Dopyera). Anatomy of a *Psilophyton* species from the Emsian of New Brunswick. *American Journal of Botany* 81(6, supplement): 93.

[Abstract]. (with Douglas P. Jensen). A new zosterophyll from New Brunswick and its evolutionary relationships. *In* 4th European Palaeobotanical and Palynological Conference, Heerlen/Kerkrade, The Netherlands, 19-23 September 1994, Abstracts. [s.l.]: Stichting Geologie en Paleontologie.

1995

(with ShouGang Hao). A new genus and species, *Celatheca beckii*, from the Siegenian (Early Devonian) of southeastern Yunnan, China. *International Journal of Plant Sciences* 156: 896-909.

(with Tom L. Phillips). Henry Nathaniel Andrews, Jr. (1910-): paleobotanist, educator, and explorer, pp. 245-254. *In* P.C. Lyons, E.D. Morey, and R.H. Wagner (editors). *Historical Perspective of Early Twentieth Century Carboniferous Paleobotany in North America*. Geological Society of America Memoir 185. xx, 404 pp.

(with Henry N. Andrews). The evolution of early land plants, pp. 16-27. *In* M. Slatkin (editor), *Exploring Evolutionary Biology: Readings from American Scientist*. Sunderland, MA : Sinauer Associates. iv, 305 pp.

1996

(with Matthew Barnett-Lawrence). Plant megafossils from the Escuminac Formation, pp.79-90. *In* H.-P. Schultze and R. Cloutier (editors). *Devonian Fishes and Plants of Miguasha, Quebec, Canada*. München: Friedrich Pfeil. 374 pp.

Paleobotany, pp. 775-780. *In* E.J. Dasch (editor in chief), *Encyclopedia of Earth Sciences*, v. 2. New York: Simon & Schuster Macmillan. 2 v.

(with William A. Shear and Andrew J. Jeram). Fossils of large terrestrial arthropods from the Lower Devonian of Canada. *Nature* 384: 555-557.

[Abstract]. Anatomy of fertile regions of the "trilobed" trimerophyte from Gaspé and a preliminary evaluation of the phylogenetic relationships of this plant, p. 34. *In* Abstract Volume: Fifth Quadrennial Conference of the International Organisation of Paleobotany. Santa Barbara, CA: International Organisation of Paleobotany. viii, 119 leaves.

[Abstract]. Rooting structures in early land plants - a report and some questions, p. 35. *In* Abstract Volume: Fifth Quadrennial Conference of the International Organisation of Paleobotany. Santa Barbara, CA: International Organisation of Paleobotany. viii, 119 leaves.

[Abstract]. (with Hao Shougang). The Posongchong flora - an early Devonian full-diversified vascular flora in the world, p. 40. *In* Abstract Volume: Fifth Quadrennial Conference of the International Organisation of Paleobotany. Santa Barbara, CA: International Organisation of Paleobotany. viii, 119 leaves.

[Abstract]. (with Douglas P. Jensen). Relationships of the Zosterophyllopsida and Lycopsida as inferred by cladistic analysis, p. 49. *In* Abstract Volume: Fifth Quadrennial Conference of the International Organisation of Paleobotany. Santa Barbara, CA: International Organisation of Paleobotany. viii, 119 leaves.

[Abstract]. (with James A. Doyle). Phylogenetic characters in land plant spores and pollen. *American Journal of Botany* 83 (6, supplement): 107.

(with J.F. Basinger and M.E. Kotyk). Early land plants from the Late Silurian-Early Devonian of Bathurst Island, Canadian Arctic Archipelago, pp. 51-60. *In* Geological Survey of Canada, Current Research 1996-B, Interior Plains and Arctic Canada. Ottawa: The Survey. 93 pp.

1997

(with Richard Cloutier and Steven McCutcheon). Devonian plants and fishes of the Gaspé Peninsula, Quebec and northern New Brunswick. AIBS Field Trip 22: August 6-11, 1997. [s.l.: s.n.] 21 pp.

1998

(with Hao Shougang). Some new plant finds from the Posongchong Formation of Yunnan, and consideration of a phytogeographic similarity between South China and Australia during the Early Devonian. *Science in China (Series D)* 41: 1-13.

[Abstract]. (with S-G. Hao). Some new plant discoveries from the Lower Devonian Posongchong Formation, S.E. Yunnan Province, China. AIBS/Botanical Society of America Annual Meeting, Baltimore, MD. *American Journal of Botany* 85, (6, supplement): 74.

[Abstract]. (with M. Mitra, J.E. Mickle and E.A. Wheeler). Aquilapollenites occurs in the southeastern United States. AIBS/Botanical Society of America Annual Meeting, Baltimore, MD. *American Journal of Botany* 85 (6, supplement): 79.

1999

[Abstract]. (with Christopher M. Berry). Early Paleozoic Lycopsidea: current studies tracing the establishment of the group, p. 119. *In XVI International Botanical Congress, St. Louis, USA, August 1-7, 1999, Abstracts.* 759 pp.

[Abstract]. (with Shougang Hao and Anne Raymond). Early Devonian phytogeography-new information from the Posongchong Formation, southeastern Yunnan, China, p. 275. *In XVI International Botanical Congress, St. Louis, USA, August 1-7, 1999, Abstracts.* 759 pp.

Bryophytes, pp. 197-204. *In R. Singer (editor), Encyclopedia of Paleontology.* Chicago: Fitzroy Dearborn. 2 v., xix, 1435 pp.

2001

(with Dianne Edwards, editors). *Plants Invade the Land: Evolutionary and Environmental Perspectives.* New York: Columbia University Press. x, 304 pp.

(with Michele E. Kotyk and James F. Basinger). Morphology of above- and below-ground structures in Early Devonian (Pragian-Emsian) plants, pp. 83-102. *In P.G. Gensel and D. Edwards (editors), Plants Invade the Land: Evolutionary and Environmental Perspectives.* New York: Columbia University Press. x, 304 pp.

(with Hao Shou-Gang). The Posongchong floral assemblages of southeastern Yunnan, China - diversity and disparity in Early Devonian plant assemblages, pp. 103-119. *In P.G. Gensel and D. Edwards (editors), Plants Invade the Land: Evolutionary and Environmental Perspectives.* New York: Columbia University Press. x, 304 pp.

(with Christopher M. Berry). Early lycopphyte evolution. *American Fern Journal* 91(3): 74-98.

(with Hao Shou-gang and Wang De-ming). *Polythecophyton demissum*, gen. et sp. nov., a new plant from the Lower Devonian (Pragian) of Yunnan, China and its phytogeographic significance. *Review of Palaeobotany and Palynology* 116: 55-71.

2002

(with Michele E. Kotyk, James F. Basinger and Tim A. de Freitas). Morphologically complex plant macrofossils from the Late Silurian of Arctic Canada. *American Journal of Botany* 89: 1004-1013.

2004

(with Charles H. Wellman). Morphology and wall ultrastructure of the spores of the Lower Devonian plant *Oocampsa catheta* Andrews et al., 1975. *Review of Palaeobotany and Palynology* 130: 269-295.

[Abstract]. Early lycophyte evolution: beyond the bryophyte/protracheophyte model, pp. 42-43. *In VII International Organization of Paleobotany Conference, Bariloche, Patagonia, Argentina, March 21-26, 2004, Abstracts.* 156 pp.

[Abstract]. (with H. J. Sims, et al.). Temporal and spatial patterns in the evolution of within-community plant diversity, pp. 102-103. *In VII International Organization of Paleobotany Conference, Bariloche, Patagonia, Argentina, March 21-26, 2004, Abstracts.* 156 pp.

(with Linda E. Graham, Lee W. Wilcox, and Martha E. Cook). Resistant tissues of modern marchantioid liverworts resemble enigmatic Early Paleozoic microfossils. *Proceedings of the National Academy of Sciences of the United States of America* 101: 11025-11029.

2005

(with Andrew E. Kasper, Jr.). A new species of the Devonian lycopod genus, *Leclercqia*, from the Emsian of New Brunswick, Canada. *Review of Palaeobotany and Palynology* 137: 105-123.

(with Pierre-André Bourque and Sylvain Desbiens). Silurian-Devonian Biota and Paleoenvironments of Gaspé Peninsula and Northern New Brunswick. *NAPC 2005 [Field Trip]*, Halifax, Nova Scotia. 143 pp.

2006

[Abstract]. A *Pertica*-like euphyllrophyte revisited, pp. 45-46. *In 7th European Paleobotany-Palynology Conference, Program and Abstracts.* Prague: National Museum. xxviii, 170 pp.

(with Anne Raymond and William E. Stein). Phytogeography of Late Silurian macrofloras. *Review of Palaeobotany and Palynology* 142: 165-192.

(with Victoria M. Albright). *Leclercqia complexa* from the Early Devonian (Emsian) of northern New Brunswick, Canada. *Review of Palaeobotany and Palynology* 142: 103-121.