CATALOGUE OF TYPES AND FIGURED SPECIMENS OF FOSSIL PLANTS IN THE GEOLOGICAL SURVEY OF CANADA COLLECTIONS (MEGAPLANT SUPPLEMENT 1963-67)

W. A. Bell

Ottawa
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1969

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OF CANADA

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By
W. A. Bell

DEPARTMENT OF ENERGY, MINES AND RESOURCES

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INTRODUCTION

This is a supplement to the comprehensive catalogue of types published in 1962, and comprises an index of types and figured specimens in collections of the Geological Survey of Canada that were established during the years 1963-67. It includes some original types established from new collections of megaplants, but also many hypotypes selected from collections not previously included in the Survey type collections.

Concepts of types are the same as those outlined in the *Introduction* of the earlier work. However, types and figured specimens of miospores have not been included as it was considered that it would be much more convenient and useful for palynologists, as well as for stratigraphic geologists, to have miospore type material indexed in a separate publication. This is particularly desirable as types of miospores established by palynologists of the Canadian Geological Survey within the past five years greatly outnumber all types of megaplant remains that were added to the type collections during the same period. Moreover, judgments of relative geological ages based on spore assemblages are quite independent of those made on evidence of the megaplants, and to include types of both kinds of material within a flora of any single system or stage might well lead to misunderstanding.

As in preparation of the earlier volume, the author is indebted to Dr. D.C. McGregor of the Geological Survey of Canada for helpful suggestions and valuable assistance.

DEVONIAN

Archaeopteris jacksoni Dawson

Hypotype 13050

McLaren, D.J., Norris, A.W., and McGregor, D.C. 1962, Geol. Surv. Can., Paper 62-4, Pl. 16, fig. 4.

Escuminac Formation, Quebec; Escuminac Bay, a mile west of Maguasha West ferry landing, shore cliff 100 feet above beach.

Archaeopteris obtusa Lesquereux

Hypotype 13049

McLaren, D.J., Norris, A.W., and McGregor, D.C. 1962, Geol. Surv. Can., Paper 62-4, Pl. 16, fig. 3.

Escuminac Formation, Quebec; Escuminac Bay, on beach 1,000 yards west of Maguasha West ferry landing.

Leaflike fragment, indet.

Specimen 13435

McGregor, D.C. 1963, Bull. Can. Petrol. Geol., vol. 11, No. 3, figs. 9, 10.

Yahatinda Formation, Alberta; Phantom Crag, creek bed 1,000 feet above Ghost River and 300 yards south of Walcott's Ghost River Formation type section, 30 feet above unconformity.

cf. *Platyphyllum*

Specimen 13433

McGregor, D.C. 1963, Bull. Can. Petrol. Geol., vol. 11, No. 3, fig. 7.

Yahatinda Formation, Alberta; Phantom Crag, creek bed 1,000 feet above Ghost River and 300 yards south of Walcott's Ghost River Formation type section, 30 feet above unconformity.

Psilophyton princeps var. *ornatum* Dawson

Hypotype 13048

McLaren, D.J., Norris, A.W., and McGregor, D.C. 1962, Geol. Surv. Can., Paper 62-4, Pl. 16, fig. 1.

Battery Point Formation, Quebec; north side of Gaspé Bay, beach outcrop 200 feet east of Baie de Gaspé Hotel, D'Aiguillon.

Sporangia indet.

Specimen 13431

McGregor, D.C. 1963, Bull. Can. Petrol. Geol., vol. 11, No. 3, figs. 3, 4.

Yahatinda Formation, Alberta; Phantom Crag, creek bed 1,000 feet above Ghost River and 300 yards south of Walcott's Ghost River Formation type section, 30 feet above unconformity.

Sporangia indet.

Specimen 13434

McGregor, D.C. 1963, Bull. Can. Petrol. Geol., vol. 11, No. 3, fig. 8.

Yahatinda Formation, Alberta; Phantom Crag, creek bed 1,000 feet above Ghost River and 300 yards south of Walcott's Ghost River Formation type section, 30 feet above unconformity.

Sporangia indet., "similar to *Rhacophyton* or *Tetraxylopteris*"

Specimen 13430

McGregor, D.C. 1963, Bull. Can. Petrol. Geol., vol. 11, No. 3, figs. 1, 2.

Devonian

Yahatinda Formation, Alberta; Phantom Crag, creek bed 1,000 feet above Ghost River and 300 yards south of Walcott's Ghost River Formation type section, 30 feet above unconformity.

Sporangiferous branch, indet., cf. *Rhacophyton*

Specimen 13432

McGregor, D.C. 1963, Bull. Can. Petrol. Geol., vol. 11, No. 3, figs. 5, 6.

Yahatinda Formation, Alberta; Phantom Crag, creek bed 1,000 feet above Ghost River and 300 yards south of Walcott's Ghost River Formation type section, 30 feet above unconformity.

Svalbardia sp.

Specimen 13047

Greggs, R.G., McGregor, D.C., and Rouse, G.E. 1962, Science, vol. 135, p. 931, fig. 1b.

McLaren, D.J., Norris, A.W., and McGregor, D.C. 1962, Geol. Surv. Can., Paper 62-4, Pl. 16, fig. 2.

McGregor, D.C. 1963, Bull. Can. Petrol. Geol., vol. 11, No. 3, fig. 13.

Yahatinda Formation, Alberta; Phantom Crag, creek bed 1,000 feet above Ghost River and 300 yards south of Walcott's Ghost River Formation type section, 30 feet above unconformity.

MISSISSIPPIAN

Aneimites acadica Dawson

Hypotype 720

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 1, fig. 1.

Horton Group (Horton Bluff Formation); Harding Angus Brook, tributary to Gaspereau River, Kings co., N.S.

Asterocalamites scrobiculatus (Schlotheim) Zeiller

Hypotype 783

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 1, fig. 4.

Horton Group (Cheverie Formation); Avon River shore, about 5,040 feet southwesterly from bridge over Cheverie Creek, N.S.

Calamites (Mesocalamites) cistiiformis Stur

Hypotype 9937

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 3, fig. 2.

Canso Group; shore 2 miles west of Friar Point, and 5,000 feet south of Grand Etang, Inverness co., N.S.

Carpolithus tenellus (Dawson) Bell

Hypotype GSC 786a

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 1, fig. 3 (x4).

Horton Group (Horton Bluff Formation); Curry Brook, about 500 feet downstream from bridge on secondary road southwest of Wallbrook, N.S.

Diplotmema adiantoides (Schlotheim) Gothan

Hypotype 15012

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 2, fig. 7.

Canso Group (Searston beds); Stormy Point – Capeland Cove shore section, Codroy area, Newfoundland.

Halonia tortuosa Lindley and Hutton – see *Lepidophloios laricinus* Sternberg

Lepidodendron praelanceolatum Bell

Holotype 9800

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 3, fig. 4 (x2).

Canso Group (point Edward Formation); Point Edward, Sydney coalfield, N.S.

Lepidodendron volkmannianum Sternberg

Hypotype 6320

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 3, fig. 3.

Canso Group (Searston beds); Searston shore, Codroy area, Newfoundland.

Lepidodendropsis corrugata (Dawson) Bell

Hypotype 15016

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 1, fig. 2.

Horton Group (Horton Bluff Formation); Reed Brook, about a mile upstream from bridge on Avonport–Wallbrook road, N.S.

Mississippian

Lepidodendropsis sp. A Bell

Specimen 15014

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 1, fig. 5.

Horton Group (Horton Bluff Formation); Horton Bluff, Avon River, Avonport, N.S.

Mesocalamites cistiiformis Stur – see *Calamites (Mesocalamites) cistiiformis*

Nemathophyllum sp. Bell

Specimen 789a

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 2, fig. 3.

Horton Group (Kennebecasis Formation); Keith's beach, Kennebecasis Island, Saint John co., N.B.

Rhacopteris robusta Kidston

Hypotype 15010

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 2, fig. 4.

Windsor Group; Frenchvale Brook, Cape Breton co., N.S.

Sphenophyllum tenerrimum Ettingshausen

Hypotype 14931

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 2, fig. 8.

Canso Group (Searston beds); Stormy Point–Capeland Cove shore section, Codroy area, Newfoundland.

Sphenopteris macconochiei? Kidston

Hypotype? 15013

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 2, fig. 2.

Horton Group (Cheverie Formation); shore, Avon River, about a mile southwesterly from bridge over Cheverie Creek, N.S.

Telangium sp. Bell cf. *affine* (Lindley and Hutton) Kidston

Specimen 15018

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 2, fig. 5, fig. 6 (x2).

Canso Group (Alma Formation); tributary to West River Pictou, about 3 miles above its mouth, Lovat, N.S.

Triletes glaber (Dawson) Bell

Hypotype 15015

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 2, fig. 1.

Horton Group (Horton Bluff Formation); Horton Bluff, Avon River, N.S.

Triphyllopteris virginiana (Meek) Read

Hypotype 761

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 1, fig. 6.

Horton Group; McPherson Lake, east of Guysboro, N.S.

PENNSYLVANIAN

Acitheca polymorpha (Brongniart) Schimper

Hypotypes 15008, 15009

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 24, fig. 1; Pl. 26, fig. 6.

Morien Group; roof of Emery coalseam, Dominion No. 10 Colliery; west shore Morien Bay, north of Millbrook Cove, roof of Trunnelshed (Backpit) coal seam, Sydney coalfield.

Adiantites adiantoides Lindley and Hutton

Hypotype 9435

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 10, fig. 2.

Cumberland Group; East Brook, tributary to Maccan River, north of East Southampton station, N.S.

Adiantites bondi Kidston

Hypotype 15054

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 23, fig. 2.

Morien Group; Big Bras d'Or shore, south of Blackrock Point, roof of Collins coal seam, Sydney coalfield.

Adiantites oblongifolius Göppert

Hypotypes 15045, 15051, 15052

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 4, figs. 5, 8, 10.

Riversdale Group (Port Hood Formation); St. Rose, Inverness co. shore section.

Adiantites obtusus (Dawson) Bell

Hypotypes 472, 15030, 15031

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 5, figs. 15, 17; Pl. 8, fig. 1.

Cumberland Group; Joggins section, division III Logan; Lancaster Formation, 'fern ledges', Duck Cove, Saint John, N.B.

Alethopteris davreuxi (Brongniart) Göppert

Hypotypes 14993, 14991

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 26, fig. 4; Pl. 33, fig. 4.

Morien Group; Dominion No. 11 colliery, roof of Emery coal seam; shore south of Chapel Point, Sydney Mines, roof of third coal seam from base Chapel Point group of seams.

Alethopteris decurrens (Artis) Zeiller

Hypotype 14995

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 4, fig. 4.

Riversdale Group (Parrsboro Formation); Minas Basin, Parrsboro area, shore between Moose River and Moose Creek, N.S.

Alethopteris lonchitica (Schlotheim) Göppert

Hypotype 14994

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 7, fig. 4.

Cumberland Group; Springhill, N.S., from an unspecified coal mine.

Pennsylvanian

Alethopteris serli (Brongniart) Göppert

Hypotype 14996

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 27, fig. 9.

Morien Group; roof of Emery Coal seam, Dominion No. 11 colliery, Sydney coalfield.

Alethopteris valida Boulay

Hypotypes 14997, 14992, 15001

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 21, fig. 3 (x2); Pl. 26, fig. 1; Pl. 27, fig. 8.

Morien Group; pit on LeCras coal seam at intersection of Reservoir Brook and Mira road, Sydney coalfield roof of Emery coal seam, Dominion No. 10 colliery, Sydney coalfield.

Alloiopteris (*Corynepteris*) *sternbergi* (Ettingshausen) Potonié

Hypotypes 15053, 15044

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 6, fig. 4; Pl. 7, fig. 1 (x2).

Cumberland Group; Smith Brook, about 2 miles from its junction with South Branch Black River.

Morien Group; shore section east of Lingan bar between Emery and Phalen coal seams, Sydney Harbour.

Annularia acicularis (Dawson) Mathew

Hypotype 14912

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 5, fig. 14.

Cumberland Group; Springhill, N.S., from core of an unspecified bore-hole at depth 905 feet.

Annularia latifolia (Dawson) Kidston

Hypotype 14916

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 7, fig. 3.

Cumberland Group (Lancaster Formation); Duck Cove, 'fern ledges', Saint John, N.B.

Annularia pseudostellata Potonié

Hypotype 14908

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 19, fig. 6.

Pictou Group (Clifton Formation); Baie de Chaleur, N.B.

Annularia radiata Brongniart

Hypotype 14911

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 27, fig. 6.

Morien Group; Cape Morien, shore east side Morien Bay, roof of Gowrie (Phalen) coal seam, Sydney coalfield.

Annularia sphenophylloides (Zenker) Gutbier

Hypotype 14913

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 35, fig. 2.

Morien Group; shore Sydney Mines, roof of Sydney Main (Harbour) coal seam, Sydney coalfield.

Annularia stellata (Schlotheim) Wood

Hypotype 14906

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 28, fig. 6.

Morien Group; roof of Emery coal seam, Dominion No. 11 colliery, Sydney coalfield.

Annularia stellata (Schlotheim) forma *longifolia* Brongniart

Hypotype 14910

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 10, fig. 4.

Cumberland Group; Mapleton, Captain Henry Mill's Brook, tributary to Maccan River.

Artisia sp. Bell

Specimen 15062

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 5, fig. 1.

Riversdale Group (Port Hood Formation); Cape Susan, Inverness co., N.S.

Asolanus camptotaenia Wood

Hypotype 14927

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 30, fig. 1.

Morien Group; shore south of Port Morien, roof of Gowrie (Phalen) coal seam, Sydney coalfield.

Asterophyllites equisetiformis (Schlotheim) Brongniart

Hypotypes 14907, 14922, 14918

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 29, fig. 4.

Morien Group; roof Emery coal seam, Dominion No. 11 colliery, Sydney coalfield; shore east of Schooner Pond cove, roof of Ross (Emery) coal seam, Sydney coalfield; shore at Point Aconi coal seam, roof of coal seam.

Asterophyllites longifolius (Sternberg) Brongniart

Hypotype 14909

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 30, fig. 2.

Morien Group; Sydney Harbour, shore between North Sydney and Sydney Mines, above Boutilier coal seam, Sydney coalfield.

Asterophyllites miltoni Artis – see *Pecopteris* (*Asterotheca*) *miltoni*

Asterotheca acadica – see *Pecopteris* (*Asterotheca*) *acadica*

Asterotheca hemitelioides – see *Pecopteris* (*Asterotheca*) *hemiteliodes*

Asterotheca miltoni – see *Pecopteris* (*Asterotheca*) *miltoni*

Bellopteris corsini – see *Neuropteris* (*Bellopteris*) *corsini*

Calamites ramosus Artis

Hypotype 14905

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 36, fig. 7.

Morien Group; roof Harbour coal seam, Dominion No. 12 colliery, Sydney coalfield.

Calamites sp. Bell

Specimen 14921

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 30, fig. 3.

Morien Group; roof Emery coal seam, Dominion No. 10 colliery.

Calamites sp. B Bell

Specimen 5754

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 11, fig. 2.

Cumberland Group; South Brook, Leamington, Springhill coalfield.

Calamites suckowi Brongniart

Hypotypes 1419, 1420

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 10, fig. 3; Pl. 11, fig. 1.

Cumberland Group; Joggins section, Joggins, N.S., division IV Logan, unspecified beds.

Calamites undulatus Brongniart

Hypotype 9808

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 5, fig. 16.

Riversdale Group (Parrsboro Formation), Minas Basin shore, Parrsboro, N.S., between Moose River and Moose Creek.

Pennsylvanian

Calamites waldenburgensis Kidston

Hypotype 7277

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 13, fig. 1.

Morien Group (*Lonchopteris* zone); roof McAuley coal seam, shore south of False Bay beach, in cove about 3,500 feet south of sandbar, Sydney coalfield.

Calamostachys superba Weiss

Hypotype 14902

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 19, fig. 5.

Morien Group (lower subzone of *Linopteris obliqua* zone); shore south of Wadden cove, roof of a 7-inch coal seam, about 235 feet above Tracy seam, Sydney coalfield.

Cordaicarpus dawsoni Bell

Hypotype 5529

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 5, figs. 11, 12.

Cumberland Group; Spicer Cove, Apple River area, Joggins section, N.S.

Cordaitanthus rhabdocarpi (Dawson) Bell

Hypotype 945

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 20, fig. 3.

Pictou Group (Minto Formation); Newcastle Coal Co. mine, Minto, N.B.

Cordaites principalis (Germar) Geinitz

Hypotype 4501

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 21, fig. 1.

Morien Group (upper subzone of *Linopteris obliqua* zone); one of old Cossitt pits near Sydney, Sydney coalfield, N.S.

Corynepteris sternbergi – see *Alloiopteris* (*Corynepteris*) *sternbergi*

Crossotheca boulayi – see *Sphenopteris* (*Crossotheca*) *boulayi*

Crossotheca denticulata – see *Sphenopteris* (*Crossotheca*) *denticulata*

Crossotheca pinnatifida (Futhier) Potonié

Hypotype 15040

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 4, fig. 1.

Riversdale Group (Boss Point Formation); Cape Enragé, 10 chains north of Squaw Cape, Albert co., N.S.

Dicksonites pluckeneti (Schlotheim) Sterzel

Hypotype 15007

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 33, fig. 5.

Morien Group; shore 6,100 feet south of Point Aconi, roof of upper Bonar coal seam, Sydney coalfield.

Diplotmema whitii – see *Sphenopteris* (*Diplotmema*) *whitii*

Halonia tortuosa Lindley and Hutton – see *Lepidophloios laricinus* Sternberg forma *tortuosa*

Hymenophyllites quadridactylites (Gutbier) Kidston

Hypotype 15043, 15038

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 34, figs. 1, 2, 3 (15038x3).

Morien Group; Dominion No. 7 colliery, roof Hub coal seam, Sydney coalfield.

Hymenotheca dathei Potonié

Hypotype 15050

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 18, figs. 3, 4.

Morien Group (lower subzone of *Linopteris obliqua* zone); shore north of False Bay Lake, about 200 feet above Tracy coal seam, Sydney coalfield.

Lepidodendron aculeatum Sternberg

Hypotype 14937

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 12, fig. 2.

Cumberland Group; Springhill, N.S., from unspecified coal seam.

Lepidodendron bretonense Bell

Hypotypes 14939, 14928, 15059

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 20, figs. 4, 5; Pl. 21, fig. 5.

Pictou Group (Minto Formation); Rothwell coal mine, Minto, N.B.

Lepidodendron dawsoni Bell

Holotype 3520

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 27, figs. 4, 5.

Morien Group; Dominion No. 16 colliery, roof Lingan (Phalen) coal seam, Sydney coalfield.

Lepidodendron ophiurus Brongniart

Hypotype 10449

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 20, fig. 1.

Stellarton group; Potter Brook, Pictou coalfield, N.S., roof of McKay coal seam.

? *Lepidodendron ophiurus* Brongniart – see *Lepidodendron pictoense*

Lepidodendron pictoense Dawson (=? *Lepidodendron ophiurus* Brongniart)

Hypotypes 14929, 14933

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 4, fig. 13; Pl. 29, fig. 1.

Riversdale Group (Parrsboro Formation); Minas Basin shore between Moose River and Moose Creek, Parrsboro, N.S.

Lepidodendron wortheni Lesquereux

Hypotype 10232

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 11, fig. 3.

Cumberland Group; borehole near Springhill, N.S. at depth 1,089 feet.

Lepidophloios laricinus Sternberg

Hypotypes 8563, 14935

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 8, fig. 2; Pl. 28, fig. 4.

Cumberland Group; division IV Logan, Joggins, N.S., coal group 43.

Morien Group; roof Emery coal seam, Dominion No. 11 colliery, Glace Bay, N.S.

Lepidophloios laricinus Sternberg forma *Halonia tortuosa* Lindley and Hutton

Hypotype 14930

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 12, fig. 1.

Cumberland Group; division IV Logan, unspecified bed, Joggins, N.S.

Lepidostrobophyllum jenneyi (D. White) Bell

Hypotype 3329

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 27, fig. 3.

Morien Group; shore south of Long Beach, Morien, N.S., roof of Spencer (Emery) coal seam, Sydney coalfield.

Lepidostrobophyllum lanceolatum (Lindley and Hutton) Hirmer, var. *constrictum* Bell

Hypotypes 14923, 14924

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 27, fig. 2; Pl. 30, fig. 3.

Morien Group; Dominion No. 11 colliery, roof Emery coal seam, Sydney coalfield; No. 16 colliery, roof Lingan (Phalen) coal seam, Sydney coalfield.

Pennsylvanian

Lepidostrobophyllum majus (Brongniart) Hirmer

Hypotype 14925

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 36, fig. 2.

Morien Group; Florence, roof of 1.1-foot coal seam north of Florence beach, Sydney coalfield.

Lepidostrobophyllum mintoensis Wilson

Hypotype 14926

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 19, fig. 3.

Pictou Group (Minto Formation); King's coal mine, Minto, N.B.

Lepidostrobophyllum triangulare (Zeiller) Bell

Hypotype 14938

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 35, fig. 1.

Morien Group; Sydney Mines shore, 55 feet above Sydney Main (Harbour) coal seam, Sydney coalfield.

Lepidostrobus variabilis Lindley and Hutton

Hypotype? 10663

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 20, fig. 2.

Stellarton Group; south branch Marsh Brook near mouth, Pictou coalfield.

Linopteris muensteri (Eichwald) Potonié

Hypotypes 14986, 14956

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 13, fig. 2; Pl. 18, fig. 2.

Morien Group (*Lonchopteris* zone); Shoemaker Cove, Mira Bay, N.S., roof Shoemaker coal seam, Sydney coalfield.

Pictou Group (Minto Formation); Miramichi Lumber Co. coal mine, Minto, N.B.

Linopteris muensteri (Eichwald) Potonié var. *dawsoni* Bell

Hypotype 14977

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 22, fig. 7.

Morien Group; shore east of Lingan bar, between crops of Emery and Phalen coal seams, Sydney coalfield.

Linopteris neuropteroides Gutbier var. *major* Potonié

Hypotypes 14982, 14989

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 14, figs. 4 (x2) and 5; Pl. 22, fig. 10, fig. 11 (x3).

Morien Group; shore at Dominion, N.S., roof of thin cannel coal seam above Emery seam, Sydney coalfield.

Linopteris obliqua (Bunbury) Zeiller

Hypotypes 14943, 14945, 14946

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 13, fig. 5; Pl. 14, fig. 2, fig. 3 (x2); Pl. 16, fig. 2.

Morien Group; pit on Ormond coal seam, about 1,300 feet southwest of Sydney reservoir, Sydney coalfield; pit on Ormond coal seam, about 2,000 feet south of Boutilier Lake; pit on Ormond seam, south of Mira Road and east of trail to Middle Lake.

Linopteris obliqua (Bunbury) Zeiller var. *bunburii* Bell

Hypotype 14942

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 22, fig. 3.

Morien Group; shore east of Long Beach, Morien, roof of Spencer (Emery) coal seam, Sydney coalfield.

Macrostachya infundibuliformis Brongniart

Hypotype 3100

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 36, fig. 1.

Morien Group; shore at Point Aconi, roof of Point Aconi coal seam, Sydney coalfield.

Mariopteris acuta (Brongniart) Zeiller

Hypotype 3074

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 3, fig. 6.

Riversdale Group (Port Hood Formation); shore about two fifths mile north of old slope on coal seam at Chimney Corner, Inverness co., N.S.

Mariopteris carnosa Corsin

Hypotype 15020

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 25, fig. 5.

Morien Group; Dominion No. 10 colliery, roof Emery coal seam, Sydney coalfield.

Mariopteris hirsuta Corsin

Hypotype 15057

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 16, fig. 1.

Pictou Group (Clifton Formation); Clifton, Gloucester co., N.B.

Mariopteris latifolia (Brongniart) Zeiller

Hypotype 2834

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 27, fig. 7.

Morien Group; shore east of Schooner Pond Cove, in shale 25 feet above Ross (Emery) coal seam, Sydney coalfield.

Mariopteris? ribeyroni (Zeiller) Bell

Hypotype 15023

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 26, fig. 2.

Morien Group; Dominion No. 16 colliery, roof Lingan (Phalen) coal seam, Sydney coalfield.

Mariopteris tenuis Bell

Hypotype 15022

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 27, fig. 1.

Morien Group; shore east of Schooner Pond Cove, roof of Ross (Emery) coal seam, Sydney coalfield.

Mixoneura flexuosa – see *Neuropteris* (*Mixoneura*) *flexuosa*

Mixoneura obliqua – see *Neuropteris* (*Mixoneura*) *obliqua*

Mixoneura ovata – see *Neuropteris* (*Mixoneura*) *ovata*

Neuropteris (*Bellopteris*) *corsina* Radforth and Walton

Hypotype 14951

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 15, fig. 1.

Pictou Group (Minto Formation); Weldon–Henderson coal mine, Minto, N.B.

Neuropteris (*Mixoneura*) *flexuosa* Sternberg

Hypotypes 14948, 14946

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 22, figs. 6, 13.

Morien Group; Dominion No. 11 colliery, roof of Emery coal seam, Sydney coalfield.

Neuropteris (*Mixoneura*) *flexuosa* Sternberg forma *magna*

Holotype 14974

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 22, fig. 12.

Morien Group; Dominion No. 11 colliery, roof of Emery coal seam, Sydney coalfield.

Pennsylvanian

Neuropteris heterophylla Brongniart

Hypotypes 14987, 14984

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 13, fig. 7; Pl. 17, fig. 2.

Pictou Group (Minto Formation): King's coal mine, Minto, N.B.

Morien Group (lower subzone of *Linopteris obliqua* zone); shore north of False Bay Lake, about 50 feet above Tracy coal seam, Sydney coalfield.

Neuropteris sp. Bell cf. *heterophylla* Brongniart

Specimen 15058

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 26, fig. 9.

Morien Group; Dominion No. 11 colliery, roof of Emery coal seal, Sydney coalfield.

Neuropteris macrophylla Brongniart

Hypotypes 14985, 14963, 14988

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 30, fig. 4; Pl. 31, fig. 2; Pl. 33, fig. 6.

Morien Group; shore at Point Aconi, roof Point Aconi coal seam, Sydney coalfield; roof upper Bonar coal seam at shore outcrop, Sydney coalfield.

Neuropteris (*Mixoneura*) *obliqua* Brongniart

Hypotype 14960

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 6, fig. 2.

Cumberland Group; Spicer Cove, Apple River area, Joggins section, N.S.

Neuropteris (*Mixoneura*) *ovata* Hoffmann

Hypotypes 14981, 14949, 14950

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 20, fig. 6; Pl. 22, fig. 9; Pl. 25, figs. 3, 7.

Morien Group (upper subzone of *Linopteris obliqua* zone): about 30 feet below Spencer (Emery) coal seam on shore east side of Morien Bay; (*Ptychocarpus unitus* zone), Dominion No. 16 colliery, roof of Lingan (Phalen) coal seam, and roof of Emery coal seam at unspecified colliery, Sydney coalfield.

Neuropteris pseudogigantea H. Potonié

Hypotype 14983

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 13, fig. 6; Pl. 14, fig. 8.

Pictou Group; shaft on coal seam of Minto Coal Co., Minto, N.B.

Neuropteris rarinervis Hoffmann

Hypotypes 14969, 14952, 14940, 14967, 14978, 14976

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 30, figs. 7, 8; Pl. 32, figs. 1, 2; Pl. 33, fig. 7; Pl. 35, fig. 4.

Morien Group; roof Sydney Main (Harbour) coal seam, Sydney Mines shore; Cranberry Head, above lowest coal seam, Sydney coalfield.

Neuropteris scheuchzeri Hoffmann

Hypotype 14973

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 26, fig. 10; Pl. 33, figs. 1, 2.

Morien Group; Dominion No. 11 colliery, roof Emery coal seam, Sydney coalfield; pit on Mullins coal seam, 4,200 feet from its shore outcrop Victoria Mines, Sydney coalfield; Dominion No. 7 colliery, roof Hub coal seam, Sydney coalfield.

Neuropteris schlehani Stur

Hypotypes 14955, 14946, 14954, 10957

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 4, figs. 7, 12; Pl. 5, fig. 9; Pl. 6, fig. 5.

Riversdale Group (Boss Point Formation); Maringouin Peninsula, Shepody Bay, N.B., south of Hard Ledge and above Enragé conglomerate; shore at St. Mary Point, Albert co., N.B.

Cumberland Group; Springhill, N.S., roof of No. 1 coal seam.

Neuropteris tenuifolia (Schlotheim) Brongniart

Hypotypes 14965, 14957, 14962

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 13, fig. 7; Pl. 14, fig. 9; Pl. 17, fig. 1.

Pictou Group (Minto Formation); King's coal mine, Minto, N.B.; Miramichi Lumber Co. coal mine, Minto, N.B.

Odontopteris subcuneata Bunbury

Hypotypes 14990, 14972, 14970, 14975

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 25, fig. 1; Pl. 26, figs. 5, 8; Pl. 33, fig. 3.

Morien Group; roof of Trunnelshed (Backpit) coal seam, west shore Morien Bay, north of Millbrook Cove, Sydney coalfield; Dominion No. 10 colliery, roof Emery coal seam, Sydney coalfield; Dominion No. 11 colliery, roof Emery coal seam, Sydney coalfield; Oxford Point, roof of 1.1-foot coal seam, north of Florence beach, Sydney coalfield.

Oligocarpia brongniarti Stur

Hypotype 1648

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 19, fig. 4.

Morien Group (lower subzone of *Linopteris obliqua* zone); roof Coalbrook coal seam, Sydney coalfield.

Oligocarpia? *crenatodentata* – see *Sphenopteris* (*Oligocarpia?*) *crenatodentata* Bell

Oligocarpia missouriensis D. White

Hypotype 4451

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 18, fig. 1.

Pictou Group (Clifton Formation); Clifton, N.B.

Pecopteris (*Asterotheca*) *acadica* Bell

Hypotype 15002

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 21, fig. 4.

Morien Group; undesignated coal mine, Sydney coalfield.

Pecopteris (*Asterotheca*) *hemitelioides* Brongniart

Hypotypes 14999, 15003

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 21, fig. 2; Pl. 24, fig. 2.

Morien Group; (upper subzone of *Linopteris obliqua* zone), pit on Mullins coal seam, 4,200 feet from its crop on shore Sydney Harbour, Sydney coalfield; Dominion No. 11 colliery, roof Emery coal seam, Sydney coalfield.

Pecopteris (*Asterotheca*) *miltoni* Artis

Hypotypes 15000, 14998

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 14, fig. 10; Pl. 18, fig. 6.

Pictou Group (Minto Formation); Rothwell coal mine, Minto, N.B.; unspecified coal mine, Minto, N.B.

Ptychocarpus unitus (Brongniart) Zeiller

Hypotypes 1379, 4466a, 1370

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 22, figs. 1, 2, 3, 4.

Morien Group; shore Long Beach, Morien, N.S., roof Spencer (Emery) coal seam; stratigraphically higher than Emery coal seam, but precise horizon not known.

Renaultia rotundifolia Andrae

Hypotype 15033

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 6, fig. 3.

Cumberland Group (Lancaster Formation); 'fern ledges', Duck Cove, Saint John, N.B.

Pennsylvanian

Renaultia schatzlarensis – see *Sphenopteris* (*Renaultia*) *schatzlarensis*

Rhodea laqueata Bell

Hypotype 15046

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 5, figs. 7, 8.

Riversdale Group (Port Hood Formation); Chimney Corner section, Inverness co., N.S., shore about two fifths mile north of old coal mine, Chimney Corner.

Rhodea sp. Bell

Specimen 15041

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 23, fig. 1.

Morien Group; Dominion No. 22 colliery, roof Gowrie (Phalen) coal seam, Sydney coalfield.

Samaropsis baileyi (Dawson) Bell

Hypotype 5898

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 5, fig. 10.

Cumberland Group (Lancaster Formation); Gardiner Creek, 40 chains east of Doctor Brook, Saint John co., N.B.

Samaropsis cornuta Dawson

Hypotype 3175

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 28, figs. 2, 3.

Morien Group; shore east side Morien Bay, roof Gowrie (Phalen) coal seam, Sydney coalfield.

Samaropsis crampii (Hartt) Bell

Hypotype 8217

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 5, fig. 13.

Cumberland Group (Lancaster Formation); Tynemouth Creek, Saint John co., N.B.

Samaropsis ingens (Lesquereux) Bell

Hypotype 10337

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 7, fig. 2.

Cumberland Group (Middle River Formation); Middle River, west side, 100 feet north of small tributary and 700 feet upstream from crossing of old road that ran to Gairlock road.

Samaropsis sp. Bell

Specimen 15061

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 28, fig. 1.

Morien Group; Dominion No. 10 colliery, roof Emery coal seam, Sydney coalfield.

Senfenbergia plumosa Artis

Hypotype 15006

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11.

Cumberland Group; East Apple River above small falls and about a mile upstream from bridge, Joggins section, N.S.

Sigillaria elegans (Sternberg) Brongniart

Holotype 14936

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 10, fig. 1.

Cumberland Group; Black River, Springhill, north of Deep Brook Mills.

Sigillaria scutellata Brongniart

Hypotype 14936

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 9, fig. 1.

Cumberland Group; Springhill, N.S., from unspecified coal mine.

Sphenophyllum emarginatum Brongniart

Hypotypes 14914, 14915, 14903

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 29, fig. 2; Pl. 31, figs. 5, 6, 7.

Morien Cove; shore east of Schooner Pond Cove, roof of Ross (Emery) coal seam, Sydney coalfield; Black Point, below sandstone, between upper coal seams, Sydney coalfield; shore at Point Aconi, roof of Point Aconi coal seam, Sydney coalfield.

Sphenophyllum majus Bronn

Hypotype 14917

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 28, fig. 5.

Morien Group; Dominion No. 11 colliery, roof of Emery coal seam, Sydney coalfield.

Sphenophyllum oblongifolium Germar and Kaulfuss

Hypotype 14904

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 36, fig. 4.

Morien Group; shore at Point Aconi, roof of Point Aconi coal seam, Sydney coalfield.

Sphenopteris aculeata Bell

Hypotype 15042

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 25, fig. 2.

Morien Group; Sydney Harbour between North Sydney and Sydney Mines, Sydney coalfield.

Sphenopteris (Crossotheca) boulayi Zeiller

Hypotype 15048

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 20, figs. 7, 8.

Morien Group (upper subzone of *Linopteris obliqua* zone); pit on Mullins coal seam, 4,200 feet from its shore outcrop, Sydney Harbour, N.S.

Sphenopteris (Oligacarpia?) crenatodentata Bell

Hypotype 15029

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 24, fig. 6.

Morien Group; shore south of Port Morien, roof of Gowrie (Phalen) coal seam, Sydney coalfield.

Sphenopteris deltiformis Kidston

Hypotype 15036

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 5, fig. 19.

Cumberland Group (Lancaster Formation); 'fern ledges', Duck Cove, Saint John, N.B.

Sphenopteris (Crossotheca) denticulata Bell

Hypotype 15056

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 24, fig. 5.

Morien Group; shore east of Schooner Pond Cove, roof of Ross (Emery) coal seam, Sydney coalfield.

Sphenopteris lineata Bell

Hypotypes 15032, 10969, 15055

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 3, figs 7, 8; Pl. 4, fig. 11.

Riversdale Group (Boss Point Formation): Oxford Junction, N.S., River Philip, south of Racetrack Brook; (Parrsboro Formation): West Bay shore of Minas Basin, Parrsboro area, N.S.; (Parrsboro Formation): Harrington River, N.S.

Sphenopteris mopiensis Bell

Hypotype 15027

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 14, fig. 1.

Morien Group (lower *Linopteris obliqua* zone); Baird Cove, Morien Bay, N.S. about 600 feet below Spencer (Emery) coal seam, Sydney coalfield.

Pennsylvanian

Sphenopteris neuropteroides (Boulay) Zeiller

Hypotype 14964

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 24, fig. 8.

Morien Group; shore east of Schooner Pond Cove, roof of Ross (Emery) coal seam, Sydney coalfield.

Sphenopteris (*Renaultia*) *schatzlarensis* Zeiller

Hypotype 15063

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 11, fig. 4.

Cumberland Group; Spicer Cove, Apple River area, Joggins section, N.S.

Sphenopteris spiniformis Kidston

Hypotype 15037

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 17, fig. 3.

Pictou Group (Clifton Formation); Clifton, N.B.

Sphenopteris striata Gothan

Hypotype 15047

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 13, fig. 8; Pl. 19, figs. 1, 2.

Morien Group; shore of Wadden Cove, roof 7-inch coal seam, about 235 feet above Tracy coal seam, Sydney coalfield.

Sphenopteris sulcata Bell

Hypotype 15025

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 4, fig. 9.

Riversdale Group (Boss Point Formation); shore at St. Mary's Point, Albert co., N.B.

Sphenopteris (*Diplotmema*) *whitii* Bell

Hypotype 14998

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 18, fig. 5.

Pictou Group (Minto Formation) Rothwell coal mine, Minto, N.B.

Stigmaria ficoides Brongniart

Hypotype 14932

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 9, fig. 2.

Cumberland Group; Joggins section, N.S., pavement beds of coal group 29, section IV Logan.

Telganium? *potieri* Kidston

Hypotype 15034

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 23, fig. 3.

Morien Group; Dominion No. 11 colliery, roof Emery coal seam, Sydney coalfield.

Tetrameridium caducum H. Potonié

Hypotype 15005

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 24, fig. 7.

Morien Group; shore east of Schooner Pond Cove, roof Ross (Emery) coal seam, Sydney coalfield.

Whittleseya desiderata D. White

Hypotypes 14961, 14958, 14959, 14944

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 4, figs. 2, 3; Pl. V, figs. 2, 3, 4, 5, 6.

Riversdale Group (Parrsboro Formation): Harrington River, N.S.; West Branch North River, Five Islands, N.S.; (Boss Point Formation): Big Lake Brook, Cumberland co., N.S., five-eighths mile southeast of junction with Pugwash River.

Zeilleria avoldensis (Stur) Kidston

Hypotype 15049

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 13, fig. 4.

Morien Group (*Lonchopteris* zone); shore south of False Bay Lake, between Tracy and Shoemaker coal seams, Sydney coalfield.

Zeilleria delicatula Sternberg

Hypotype 15026

Bell W.A. 1966, Geol. Surv. Can., Paper 66-11, Pl. 31, fig. 3.

Morien Group; Dominion No. 7 colliery, roof Hub coal seam, Sydney coalfield.

UPPER CRETACEOUS

Alnus perantiqua (Dawson) Bell

Hypotype 14876

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 32, Pl. 14, fig. 2; 1965, GSC Paper 65-35, Pl. 6, fig. 1.

Milk River Formation, Alberta; Tough Creek, Mountain View area.

Amentotaxus sp. Bell cf. *A. campbelli* (Gardner) Florin

Specimen 14880

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 10, fig. 2.

Comox Formation, British Columbia; roof No. 2 coal seam, No. 8 mine.

Ampelophyllites attenuatus (Lesquereux) Knowlton

Hypotypes 1093, 1097

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 50, Pl. 32, fig. 5; Pl. 33, fig. 3.

Dunvegan Formation, British Columbia; Coldstream Creek.

Andromeda? *spatulata* Bell

Holotype 1077, paratype 1241

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 61, Pl. 41, figs. 1, 4; 1965, GSC Paper 65-35, Pl. 1, fig. 5.

Dunvegan Formation, British Columbia; Murray River, 3/4 mile above Perier River.

Anemia stricta – see *Sphenopteris stricta*

Aralia sp. Bell cf. *A. parvidens* Hollick

Specimens 1229, 1230

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 60, Pl. 40, fig. 2; Pl. 41, fig. 3.

Dunvegan Formation, Alberta; north side Pine River Valley, east of Commotion Creek.

Araliaephyllum groenlandica? Heer

Hypotype? 1217

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 59, Pl. 41, fig. 5.

Dunvegan Formation, British Columbia; Peace River, south bank, sec. 31, tp. 83, rge. 9, W6th mer.

Araliaephyllum rotundiloba (Newberry) Fritel

Hypotypes 1082, 1083, 1214, 1215, 1216

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 58, Pl. 33, fig. 1; Pl. 34, figs. 1, 2; Pl. 37, fig. 2; Pl. 40, fig. 3; 1965, GSC Paper 65-35, Pl. 5, fig. 2.

Dunvegan Formation, Alberta, just below creek that enters left bank of Peace River at long. 118°16′W, from beds low down in formation and 470 feet below base of Paskapoo Formation; British Columbia; East Pine River bridge; East Pine River 1/4 to 1 mile below Murray River.

Araucarites longifolia (Lesquereux) Dorf

Hypotype 14854

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 11, fig. 8.

St. Mary River Formation, Alberta; Glenwoodville area.

Artocarpus sp. Bell

Specimens 5048, 14856, 14857

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 6, fig. 7; Pl. 11, fig. 7; Pl. 12, fig. 10.

Oldman Formation, Alberta; Sand Creek.

St. Mary River Formation, Alberta; Glenwoodville area.

Aspidiophyllum dentatum Lesquereux

Hypotype? 1094

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 53, Pl. 40, fig. 4.

Dunvegan Formation, British Columbia; East Pine River area.

Baiera sp. Bell cf. *furcata* (Lindley and Hutton) Brown

Specimen 1189

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 24, Pl. 9, fig. 1.

Dunvegan Formation, British Columbia; road-cut on No. 2 highway, about a mile east of Chetwynd.

Bauhinia? *cretacea*? Newberry

Hypotype? 1076

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 55, Pl. 32, fig. 3.

Dunvegan Formation, British Columbia; East Pine River, 1/2 to a mile below Murray River.

Brachyphyllum (*Athrotaxites*?) *douglasi* Bell

Holotype 1160; paratypes 1161, 1163, 1164; hypotype 14867.

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 26, Pl. 11, fig. 3; Pl. 13, figs. 2, 5; Pl. 11, fig. 5; 1965, GSC Paper 65-35, Pl. 9, fig. 1.

Milk River Formation, Alberta; Tough Creek, Mountain View area, and beds above Wapiabi Formation, apparently equivalent to Milk River Formation.

Carpites sp. Bell

Specimen 5098

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 8, fig. 2.

Belly River Group, Alberta; Bow River.

Carpites? sp. Bell

Specimen 5129a

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 63, Pl. 39, fig. 1.

Dunvegan Formation, British Columbia; Pine River.

Carpolithes (*Cycadinocarpus*?) *ceratops* (Knowlton) Bell

Hypotype 14861

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 11, fig. 4.

Frenchman Formation, Saskatchewan; quarry 4 miles southwest of Eastend.

Cassia alaskana Hollick

Hypotypes 1258, 5061

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 54, Pl. 33, figs. 4, 5.

Milk River Formation, Alberta; NW 1/4 sec. 30, tp. 1, rge. W4th mer. and NE 1/4 sec. 36, tp. 2, rge. 15, W4th mer.

Castaliites sp. Bell cf. *cordatus* Hollick

Specimens 1147, 1218, 1219

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 36, Pl. 17, figs. 3, 6; Pl. 18, fig. 1.

Dunvegan Formation, Alberta, just below creek that enters left bank Peace River, at long. 118°16′W, from beds well down in formation and 470 feet below base of Paskapoo Formation; Peace River, midway between Boucher and Leith Creeks; Wapiti River, from

carbonaceous sandstone containing a thin coal seam; locality unknown, but near Alberta – British Columbia boundary.

Celastrinites sp. Bell

Specimens 1282, 1283

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 57, Pl. 41, fig. 2; Pl. 42, fig. 5.

Milk River Formation, Alberta; NE 1/4 sec. 36, tp. 2, rge. 15, W4th mer.

Cephalotaxopsis heterophylla Hollick

Hypotypes 1169, 1170

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 27, Pl. 10, fig. 6; Pl. 15, fig. 3.

Dunvegan Formation, British Columbia; Pine River, Alberta; Torrens Creek, 1 1/4 miles above junction with Hat Creek.

Cinnamomum heeri Lesquereux

Hypotype 1286

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 46, Pl. 27, fig. 1 (pars).

Dunvegan Formation, British Columbia; lower part of Bissett Creek.

Cladophlebis arctica? (Heer)

Hypotypes? 1053, 1113

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 21, Pl. 5, fig. 2; Pl. 7, fig. 2.

Dunvegan Formation, British Columbia; Coldstream Creek, from mouth to 1/4 mile upstream.

Badheart Formation, Alberta; Belcourt Creek, 1/8 mile above junction with Huguenot Creek.

Cladophlebis simplicima Bell

Holotype 1271; paratypes 1111, 1112

Bell W.A. 1963, Geol. Surv. Can., Bull 94, p. 22, Pl. 7, figs. 1, 4, 5, 6.

Milk River Formation, Alberta; Tough Creek, Mountain View area.

Dunvegan Formation, British Columbia; Windrem Creek, about 300 feet above concealed base of formation.

Cladophlebis sp. Bell cf. *virginiensis* Fontaine

Specimen 1114

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 21, Pl. 7, fig. 3.

Dunvegan Formation, British Columbia; East Pine River, 1/4 to a mile below Murray River.

Cornus ceterus Hollick

Hypotype 1239

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 61, Pl. 37, fig. 1.

Eagle Sandstone equivalent of Milk River Formation, Montana; Buckley coulée.

Credneria macrophylla Heer

Hypotype 1078

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 49, Pl. 31, fig. 1.

Dunvegan Formation, British Columbia; East Pine River, 1/4 mile to a mile below Murray River.

Credneria truncatodenticulata Bell

Holotype 1213

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 50, Pl. 29, fig. 1; 1965, GSC Paper 65-35, Pl. 4, fig. 2.

Dunvegan Formation, Alberta – British Columbia boundary area; float on Kiskatinaw River at mouth Mica Creek.

Dalbergia hyperborea Heer

Hypotypes 1243, 1244, 1301

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 55, Pl. 27, fig. 3; Pl. 32, fig. 4; Pl. 36, fig. 1.

Dunvegan Formation, British Columbia; Pine River, about 200 yards above bridge.

Dammarites robinsi (Dawson) Bell

Hypotypes 1188, 1267

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 26, Pl. 10, fig. 3; 1965, GSC Paper 65-35, Pl. 7, fig. 3.

Dunvegan Formation, British Columbia; Coldstream Creek.

Badheart Formation, Alberta; Belcourt Creek, 1/8 mile above junction with Huguenot Creek (hypotype 1267).

Dicotylophyllum sp. A Bell

Specimen 5129 (*Fagus protonucifera* Dawson pars)

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 62, Pl. 42, fig. 3.

Dunvegan Formation, British Columbia; Pine River.

Dicotylophyllum sp. B Bell

Specimen 5047

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 63, Pl. 42, fig. 8.

Eagle Sandstone equivalent of Milk River Formation; Buckley coulée, Montana.

Diospyros lesquereuxi Knowlton and Cockerell

Hypotype 1238

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 62, Pl. 27, fig. 1 (pars).

Dunvegan Formation, British Columbia; lower part of Bissett Creek.

Diospyros nitida Dawson – see *Hymenaea fayettensis* Berry

Dombeyopsis nebrascensis (Newberry) Bell

Hypotype 5073

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 7, fig. 2.

Oldman Formation, Alberta; Red Deer River, south side, 5 miles below Matzhiwin Creek.

Elatocladus albertaensis Bell

Hypotypes 1115, 1151, 5007, 5077, 14864

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 31, Pl. 13, fig. 3; Pl. 14, figs. 4, 6; 1965 GSC Paper 65-35, Pl. 7, figs. 1, 4.

Belly River Group, Alberta; Red Deer River, west side; sec. 16, tp. 22, rge. 4, W5th mer. head of south branch of Sand Creek, Red Deer River.

Milk River Formation, Alberta; NE 1/4 sec. 2, tp. 3, rge. 15, W4th mer; locality unknown, except in Milk River area.

Elatocladus intermedius (Hollick) Bell

Hypotype 14848

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 11, fig. 1.

Wapiti Group, British Columbia; in black shale below massive sandstone, striking across Mistanusk (Pine) River, above tributary from south, about 5 miles north-northwest of where British Columbia – Alberta boundary crosses Mistanusk River.

Elatocladus sp. Bell cf. *Sequoia major* Velonovsky and Viniklar

Specimens 1153, 1156, 1157

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 29, Pl. 10, fig. 4; Pl. 11, figs. 1, 2.

Milk River Formation, Alberta; Tough Creek, Mountain View area.

Equisetum sp. Bell

Specimens 1272, 1274, 1275, 1276

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 23, Pl. 8, figs. 3, 4; Pl. 9, figs. 2, 4.

Milk River Formation, Alberta; Tough Creek, Mountain View area.

Upper Cretaceous

Ficus daphnogenoides (Heer) Berry

Hypotypes 1073, 1074, 1294, 1296, 5390

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 33, Pl. 15, figs. 1, 2; Pl. 16, figs. 4, 5; 1965 GSC Paper 65-35, Pl. 2, fig. 2.

Dunvegan Formation, British Columbia and Alberta; Coldstream Creek, B.C. from mouth to 1/4 mile upstream; east of Bear flats, B.C., north side of Peace River, about 15 miles west of Fort St. John; Pine River, B.C. (hypotype 5390); Kiskatinaw River, Alta., below Young's farm, sec. 15, tp. 79, rge. 13, W6th mer., from lower part of formation.

Ficus glascoeana Lesquereux

Hypotypes 1066, 1071

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 33, Pl. 14, fig. 7; Pl. 21, fig. 4; 1965, GSC Paper 65-35, Pl. 3, fig. 2.

Dunvegan Formation, British Columbia; Coldstream Creek.

Ficus missouriensis Knowlton

Hypotypes 1257, 5054

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 34, Pl. 16, figs. 1, 2.

Eagle sandstone equivalent of Milk River Formation, Montana; Buckley coulée, Montana, U.S.A.

Ficus trinervis Knowlton

Hypotypes 5067, 5068, 5069

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 34, Pl. 16, figs. 3, 6; Pl. 17, fig. 1.

Milk River Formation, Alberta; Deadhorse coulée, NW 1/4 sec. 33, tp. 1, rge. 11, W4th mer.

Eagle sandstone equivalent to Milk River Formation, Montana; Buckley coulée, Montana, U.S.A.

Ficus? sp. Bell

Specimen 1279

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 35, Pl. 17, fig. 5.

Dunvegan Formation, Alberta; Kakwa River basin, about 1.5 miles up small creek entering Mouse Cache Creek from north below Dead Horse Meadows.

Filicites knowltoni Dorf

Hypotype 14855

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 11, figs. 5, 6.

St. Mary River Formation, Alberta; Pincher Creek.

Filicites sp. Bell

Specimen 1070

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 22, Pl. 8, figs. 1, 2.

Dunvegan Formation; British Columbia; East Pine River, 1/4 to a mile below Murray River.

Geinitzia formosa Heer

Hypotypes 1116, 1117, 1118, 5150, 5152, 5155

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 28, Pl. 11, figs. 4, 5; Pl. 12, figs. 2, 3, 5; 1965, GSC Paper 65-35, Pl. 6, figs. 3, 5.

Milk River Formation, Alberta; NW 1/4 sec. 30, tp. 1, rge. 12, W4th mer.; NE 1/4 sec., tp. 3, rge. 15, W4th mer.; Tough Creek, Mountain View area.

Ginkgo adiantoides (Unger) Heer

Hypotype 14863

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 11, fig. 2.

St. Mary River Formation, Alberta; Glenwoodville area.

Ginkgo sp. Bell

Specimen 1292

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 24, Pl. 9, fig. 3.

Dunvegan Formation, British Columbia; East Pine River, 1/4 to 1 mile below Murray River.

Glyptostrobus comoxensis Bell

Hypotypes 6378, 6427

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 6, fig. 6; Pl. 10, fig. 1.

Comox Formation, British Columbia; roof No. 2 coal seam, No. 8 mine, Cumberland Coal (1) Ltd., Cumberland.

Hedera sp. Bell cf. *H. cretacea* Lesquereux

Specimen 5131

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 60, Pl. 36, fig. 2.

Dunvegan Formation, British Columbia; Pine River canyon.

Hymenaea fayettensis Berry

Hypotype 5132

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 54, Pl. 32, fig. 2; 1965, GSC Paper 65-35, Pl. 5, fig. 2.

Dunvegan Formation, British Columbia; Pine River Canyon.

Ilex? *mammillata* Bell

Holotype 1249; paratypes 1250, 1254

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 56, Pl. 35, figs. 2, 3; Pl. 36, fig. 3; Pl. 39, fig. 2; 1965, GSC Paper 65-35, Pl. 8, fig. 4.

Milk River Formation, Alberta; Tough Creek, Mountain View area.

Jenkinsella arctica (Heer) Bell

Hypotype 14862

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 12, fig. 7.

St. Mary River Formation, Alberta; Glenwoodville.

Laurophyllum flexuosum (Newberry) Bell

Hypotypes 1072, 5396

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 45, Pl. 25, figs. 2, 4.

Dunvegan Formation, British Columbia; Coal Brook, Peace River; East Pine River, 1/4 to a mile below Murray River.

Laurophyllum sp. Bell

Hypotypes 1289, 5056, 5057, 5058

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 46, Pl. 26, figs. 1, 2, 3, 4.

Milk River Formation, Alberta; Tough Creek, Mountain View area; NE 1/4 sec. 2, tp. 3, rge. 15, W4th mer.; NE 1/4 sec. 36, tp. 2, rge. 15, W4th mer.

Leguminosites spatulatus Bell

Holotype 1280; paratype 1281

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 56, Pl. 42, figs. 4, 6.

Dunvegan Formation, British Columbia; Coldstream Creek from mouth to 1/4 mile upstream; East Pine River, 1/2 to a mile below Murray River.

Liriodendron giganteum Lesquereux pars

Hypotypes 1184, 1185

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 44, Pl. 25, fig. 3; Pl. 26, fig. 5; 1965, GSC Paper 65-35, Pl. 3, fig. 1.

Dunvegan Formation, Alberta; just below creek that enters left bank of Peace River at long. 118°16′W from beds 470 feet below base of Paskapoo Formation; near Alberta – British Columbia boundary from unknown locality.

Magnolia boulayana Lesquereux

Hypotypes 1063, 1065

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 41, Pl. 22, fig. 2; Pl. 23, fig. 3.

Dunvegan Formation, British Columbia; East Pine River; Coldstream Creek, from mouth to 1/4 mile upstream.

Magnolia? *coalvillensis* Knowlton

Hypotypes 5063, 5064

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 42, Pl. 21, fig. 1; Pl. 23, fig. 2.

Milk River Formation, Alberta; Dead Horse coulée, NW 1/4 sec. 33, tp. 1, rge. 11, W4th mer.

Eagle sandstone equivalent of Milk River Formation, Montana, U.S.A.; Red coulée. (*See* sec. 5, Geol. Surv. Can., Summ. Rept. 1930, pt. B.)

Magnolia hollicki Berry

Hypotype 1068

Bell W.A. 1963, Geol. Surv. Can., Bull. 64, p. 44, Pl. 25, fig. 1.

Dunvegan Formation, British Columbia; Pine River, about 200 yards above bridge.

Magnolia lacoeana Lesquereux

Hypotype 1234

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 42, Pl. 22, fig. 1.

Dunvegan Formation, Alberta; just below creek that enters left bank of Peace River at long. 118°16′W from beds well down in formation and 470 feet below base of Paskapoo Formation.

Magnolia magnifica Dawson

Holotype 5133; hypotype 5128

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 41, Pl. 20, fig. 1; Pl. 21, fig. 5; Pl. 22, fig. 3.

Dunvegan Formation, British Columbia; Coal Brook, Peace River.

Magnolia rhamnoides Bell

Holotype 1067; paratypes 1059, 1060, 1064, 1233, 5397

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 43, Pl. 23, figs. 1, 4; Pl. 24, figs. 1-4.

Dunvegan Formation, British Columbia; East Pine River, 1/2 to a mile below Murray River; Pine River; crest of Suicide Hill north of Fort St. John.

Magnolia sp. Bell cf. *M. rotundifolia* Newberry

Specimen 1236

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 43, Pl. 27, fig. 4.

Dunvegan Formation, British Columbia; Pine River about 200 yards above bridge.

Menispermites sp. (Knowlton) Bell

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 39, Pl. 20, fig. 3.

Menispermites sp. Bell

Specimens 1255, 14849

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 40, Pl. 20, fig. 3; 1965, GSC Paper 65-35, Pl. 6, fig. 8.

Milk River Formation, Alberta; Deadhorse coulée, NW 1/4 sec. 33, tp. 1, rge. 11, W4th mer.

Oldman Formation, Alberta; Red Deer River.

Metasequoia cuneata (Newberry) Chaney

Hypotypes 1095, 1167, 1180, 14859, 14866, 14882

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 29, Pl. 10, figs. 1, 2, 3; 1965, GSC Paper 65-35, Pl. 12, figs. 2, 3, 5.

Dunvegan Formation, British Columbia; locality unknown; Dunvegan Formation, Alberta; just west of creek junction with South Moberly Creek, a trail runs northwest from South Moberly Creek at this locality; Kiskatinaw River, below Young's farm, sec. 15, tp. 79, rge. 13, W6th mer.

St. Mary River Formation, Alberta, Glenwoodwille area.

Protection Formation, British Columbia; Protection Island.

Metasequoia sp. Bell

Specimens 14883, 14884

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 12, figs. 3, 4. (Probably cones of *Metasequoia cuneata* (Newberry) Chaney.)

St. Mary River Formation, Alberta; Glenwoodville area.

Nymphaeites angulatus (Newberry) Bell

Hypotype 14831

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 10, fig. 6.

St. Mary River Formation, Alberta; Glenwoodville area.

Nymphaeites exemplaris Hollick

Hypotypes 1075, 1222, 14852

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 35, Pl. 17, figs. 2, 4; 1965, GSC Paper 65-35, Pl. 4, fig. 1.

Upper Cretaceous, Yukon Territory; Tatanduc River.

Nymphaeites striatus (Berry) Bell

Hypotype 14860

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 10, fig. 7.

St. Mary River Formation, Alberta; Waterton River.

Onoclea hebridica (Forbes) Bell

Hypotypes 1178, 1270, 1179, 1177, 1268, 1176, 14891

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 16, Pl. 1, fig. 2; Pl. 2, figs. 1, 3, 5, 6; Pl. 3, fig. 6.

Milk River Formation, Alberta; Tough Creek, Mountain View area.

Onychiopsis sp. Bell cf. *O. psilotoides* (Stokes and Webb) Ward

Specimen 1302

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 16, Pl. 1, figs. 1, 3.

Dunvegan Formation, Alberta; Sulphur River Member, Sulphur River.

Palaeonuphar nordenskiöldi (Heer) Bell

Hypotypes 1221, 1240

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 36, Pl. 18, figs. 2, 4; 1965, GSC Paper 65-35, Pl. 5, fig. 4.

Dunvegan Formation, Alberta; Peace River west bank, between Dunvegan and Montagneuse Rivers, just below creek that enters left bank of Peace River at long. 118°16′W from beds 470 feet below base of Paskapoo Formation.

Upper Cretaceous

Platanus affinis Lesquereux

Hypotypes 1091, 5033, 5044

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 49, Pl. 32, fig. 1; 1965, GSC Paper 65-35, Pl. 9, figs. 2, 3.

Dunvegan Formation, British Columbia; Murray River, 3/4 mile above Perier River.

Belly River Group, head of south branch Sand Creek, Red Deer River.

Platanus latiloba Newberry

Hypotypes 1245, 5935 (forma *heeri*)

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 48, Pl. 31, fig. 2; 1965, GSC Paper 65-35, Pl. 8, fig. 5.

Dunvegan Formation, Alberta – British Columbia; locality unknown but near Alberta – British Columbia boundary.

Belly River Group; head of south branch Sand Creek, Red Deer River.

Platanus newberryana Heer

Hypotypes 1101, 1202, 1203

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 48, Pl. 28, figs. 1, 2; Pl. 33, fig. 2.

Dunvegan Formation, British Columbia; Coldstream Creek from mouth to 1/4 mile upstream; Wabi Hill, near Little Prairie, Pine River area; middle part of formation, north bank Peace River, just east of Stone Creek.

Platanus williamsi Bell

Holotype 1098; paratypes 1204, 1207, 1393

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 47, Pl. 28, fig. 3; Pl. 29, fig. 2; Pl. 30, figs. 1, 2.

Dunvegan Formation, British Columbia, East Pine River, 1/4 to a mile below Murray River; Coldstream Creek; Pine River about 200 yards above bridge.

Populites wickendeni Bell

Holotype 1247; paratype 1248

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 40, Pl. 20, fig. 2; Pl. 21, fig. 3.

Milk River Formation, Alberta; Tough Creek, Mountain View area.

Protophyllocladus polymorpha (Lesquereux) Berry

Hypotype 1187

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 31, Pl. 9, fig. 5.

Dunvegan Formation; float above lower cliff, Kiskatinaw River, above highway bridge.

Protophyllum multinerve? Lesquereux

Hypotype? 5135

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 51, Pl. 27, fig. 2; 1965, GSC Paper 65-35, Pl. 1, fig. 2.

Dunvegan Formation, British Columbia; Coal Brook.

Pseudoaspidiophyllum latifolium Hollick

Hypotypes 1104, 1200, 1201

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 53, Pl. 37, fig. 4; Pl. 38, figs. 1, 2; 1965, GSC Paper 65-35; Pl. 3, fig. 3; Pl. 4, fig. 3.

Dunvegan Formation, British Columbia; Murray River, 3/4 mile above Perier River; Pine River, 200 yards above bridge.

Pseudocycas unjiga (Dawson) Bell

Syntypes 5125, 5393; hypotypes 1183, 15858

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 24, Pl. 8, fig. 5; Pl. 9, figs. 6, 7; 1965, GSC Paper 65-35, hypotype 15858, syntype 5393.

Dunvegan Formation, British Columbia; Pine River Forks; 25 miles west of Dunvegan on Peace River.

Pseudoprotophyllum boreale

Holotype 5398; hypotypes 1190, 1192, 1193, 1196, 1212, 5389

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 52, Pl. 34, fig. 3; Pl. 35, figs. 1, 4; Pl. 37, fig. 3; Pl. 39, figs. 3, 4; 1965, GSC Paper 65-35, Pl. 2, fig. 3.

Dunvegan Formation, British Columbia; Pine River about 200 yards above bridge; Coal Brook, Peace River; Sheep Creek, Copton Creek map-area.

Sustut Group, British Columbia; north face of mountain 2.2 miles south-southeast of Niven River, long. 127°W.

Saccoloma gardneri (Lesquereux) Knowlton

Hypotypes 1173, 1174

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 17, Pl. 2, figs. 2, 4.

Milk River Formation, Alberta; Dungarven Creek, Waterton area.

Saccoloma? sp. Bell

Specimen 1107

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 18, Pl. 3, figs. 3, 4.

Dunvegan Formation, British Columbia; East Pine River, 1/2 to a mile below Murray River.

Sequoia artus

Hypotype 14881

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 12, fig. 8.

St. Mary River Formation, Alberta; Glenwoodville area.

Sequoia dakotensis Brown

Hypotype 14875

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 11, fig. 3.

Edmonton Formation (lower part) Alberta; opposite mouth of Kneehill Creek.

Sequoia sp.

Hypotype 5092

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 6, fig. 2.

Oldman Formation, Alberta; Red Deer River, 2 miles south of Sand Creek, Steveville area, Alberta.

Sequoiites sp. Bell cf. *Geinitzia formosa* Heer

Specimens 1079, 1166

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 28, Pl. 12, figs. 4, 6.

Dunvegan Formation, British Columbia; Stavart Creek.

Bad Heart Formation, Alberta; Belcourt Creek, 1/8 mile above junction with Huguenot Creek.

Sorbus? sp. Bell

Specimen 14896

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 12, fig. 9.

Sustut? Group, British Columbia, west shore Takla Lake, lat. 55° 30′ N, long. 126°W.

Sphenopteris (*Dennstaedtia*?) *burlingi* Bell

Hypotype 1291

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 20, Pl. 6, fig. 4.

Milk River Formation, Alberta; Tough Creek, Mountain View area.

Sphenopteris stricta (Newberry) Bell

Hypotypes 1046, 1047, 1048, 1049, 1050, 1051, 1108, 1110

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 19, Pl. 4, figs. 1-3; Pl. 5, figs. 1, 3; Pl. 6, figs. 1, 2, 3, 5; 1965, GSC Paper 65-35, Pl. 1, fig. 3.

Dunvegan Formation, British Columbia; Pine River; East Pine River, 1/4 to a mile below Murray River; Peace River district, unknown localities; Hartt highway, Wabi Hill, float from 350'–550' above base of formation.

Dunvegan Formation; Alberta; Kiskatinaw River, below Young's farm, sec. 15, tp. 79, rge. 13, W6th mer.

Sterculia aperta? Lesquereux

Hypotype? 1223

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 58, Pl. 40, fig. 1.

Dunvegan Formation, British Columbia; Monkman Pass.

Tapeinidium? *undulatum* (Hall) Knowlton

Hypotypes 1054, 5157, 5159

W.A. Bell 1963, Geol. Surv. Can., Bull. 94, p. 19, Pl. 3, figs. 1, 2, 5.

Milk River Formation, Alberta; Verdegris coulée, southeast corner sec. 12, tp. 3, rge. 15, W4th mer.; Deadhorse coulée, north side, NW 1/4 sec. 31, tp. 1, rge. 11, W4th mer.

Dunvegan? Formation; locality unknown.

Torreyites dicksonioides (Dawson) Bell

Hypotype 5127

W.A. Bell 1963, Geol. Surv. Can., Bull. 94, p. 27, Pl. 14, fig. 1.

Dunvegan Formation, British Columbia; Pine River.

Trochodendroides (*Cercidiphyllum*?) *arctica* (Heer) Berry

Hypotypes 1259, 1260, 1261, 1262, 1263

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 37, Pl. 18, fig. 3; Pl. 19, figs. 1, 2, 3, 4.

Bad Heart Formation, Alberta; Belcourt Creek, 1/8 mile above junction with Huguenot Creek.

Milk River Formation, Alberta; Tough Creek, Mountain View area.

Trochodendroides dorfi? Bell

Hypotype? 5050

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, Pl. 21, fig. 2.

Milk River Formation (Eagle Sandstone equivalent); Buckley Coulée, Montana (*see* sec. 5, Geol. Surv. Can., Summ. Rept. 1930, pt. B).

Trochodendroides potomacensis (Ward)

Hypotype 1224

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, Pl. 19, fig. 5.

Dunvegan Formation, British Columbia; East Pine River, 1/4 mile below bridge.

Viburnum antiquum (Newberry) Hollick

Hypotype 14850

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 12, fig. 6.

Whitemud Formation, Saskatchewan; NW 1/4 sec. 15, tp. 5, rge. 3, W3rd mer.

Vitis dakotana Berry

Hypotype 14851

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 12, fig. 1.

Whitemud Formation, Saskatchewan; Wood Mountain Creek, NW 1/4 sec. 15, tp. 5, rge. 3, W3rd mer.

Vitis stantoni (Knowlton) Brown

Hypotypes 5028, 6310

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 8, fig. 3; Pl. 10, fig. 5.

Belly River Group, Alberta; near Steveville.

Edmonton Formation, Alberta; NE 1/4 sec. 10, tp. 34, rge. 22, W4th mer.

Vitis sp. Bell

Specimen 1226

Bell W.A. 1963, Geol. Surv. Can., Bull. 64, p. 58, Pl. 42, fig. 7.

Badheart Formation, Alberta; Belcourt Creek, 1/8 mile above junction with Huguenot Creek.

Widdringtonites reichii (Ettingshausen) Heer

Hypotypes 1069, 1158, 1165

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 30, Pl. 12, fig. 1; Pl. 13, figs. 1, 4.

Dunvegan Formation; Alberta, locality unknown; locality unknown but near Alberta – British Columbia boundary; Alberta, East Pine River bridge.

Zizyphus cretaceous (Dawson) Bell

Hypotype 14877

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 8, fig. 1.

Comox Formation, British Columbia; roof No. 2 coal seam, No. 8 mine, Cumberland, British Columbia.

Zizyphus mcgregori Bell

Hypotype 1225

Bell W.A. 1963, Geol. Surv. Can., Bull. 94, p. 57, Pl. 42, figs. 1, 2.

Bad Heart Formation, Alberta; Belcourt Creek, 1/8 mile above junction with Huguenot Creek.

TERTIARY

Androvettia catenulata Bell

Paratype 6347

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 15, fig. 1.

Willow Creek Formation (upper part), Alberta; SW 1/4 sec. 1, tp. 13, rge. 28, W4th mer.

Aralia taurinensis (Ward) Sanborn

Hypotype 14841

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 21, fig. 6.

Paskapoo Formation, Alberta; Pedley Creek, near highway bridge.

Celastrinites insignis (Heer) Bell

Hypotype 14871

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 19, fig. 4.

Paskapoo Formation, Alberta; Burnt Timber Creek area, lsd. 5, sec. 8, tp. 31, rge. 8, W5th mer.

Cinnamomum sp. Bell cf. *affine* Lesquereux and *postnewberryi* Berry

Specimen 6203

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 18, fig. 1.

Ravenscrag Formation, Saskatchewan; Eastend.

Cladophlebis groenlandica (Heer) Bell

Hypotype 14846

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 13, fig. 5.

Paskapoo Formation, Alberta; Burnt Timber Creek area, sec. 8, tp. 31, rge. 8, W5th mer.

Cornus impressa Lesquereux

Hypotype 14828

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 18, fig. 2.

Ravenscrag Formation, Saskatchewan; above Willowbunch Member, sec. 1, tp. 1, rge. 22, W2nd mer.

Cornus newberryi Hollick

Hypotype 14840

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 21, fig. 2.

Ravenscrag Formation, Saskatchewan; above Willowbunch Member, sec. 1, tp. 1, rge. 22, W2nd mer.

Cryptomerites lambii Bell

Holotype 6259; paratype 6259a; hypotypes 14865, 14874

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 13, figs. 7, 8, 9; Pl. 15, figs. 4, 6.

Paskapoo Formation, Alberta; above confluence with Red Deer River; Blindman River, about 1,000 feet above confluence with Red Deer River; lsd. 5, sec. 8, tp. 31, rge. 8, W5th mer.; Burnt Timber Creek, 1/2 mile upstream from Red Deer River, lsd. 9-10, sec. 5, tp. 31, rge. 8, W5th mer.

Dennstaedtia blomstrandi (Heer) Hollick

Hypotypes 14835, 14836, 14892

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 13, figs. 2, 3, 4.

Ravenscrag Formation, Saskatchewan; Porcupine Creek.

Paleocene beds, Ellesmere Island, NWT.; 18 miles from Eureka, Franklin District.

Elatocladus (*Cryptomerites*?) *nordenskiöldi* (Heer) Bell

Hypotypes 6200, 14869

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 14; Pl. 16, fig. 5.

Ravenscrag Formation, Saskatchewan; Eastend.

Paskapoo Formation, Alberta; Burnt Timber Creek area, 1/2 mile upstream from Red Deer River, lsd. 9-10, sec. 5, tp. 3, rge. 8, W5th mer.

Fraxinus septentrionale (Hollick)?

Hypotype 14829

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 20, fig. 3.

Ravenscrag Formation, Saskatchewan; above Willowbunch Member, sec. 30, tp. 1, rge. 21, W2nd mer.

Ginkgo adiantoides (Unger) Heer

Hypotype 14827

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 19, fig. 1, pars.

Ravenscrag Formation, Saskatchewan; near base Willowbunch Member, sec. 19, tp. 1, rge. 22, W2nd mer.

Hicoria antiquorum (Newberry) Knowlton

Hypotype 14844

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 21, fig. 3.

Paskapoo Formation; Alberta; Burnt Timber Creek area, sec. 8, tp. 3, rge. 8, W5th mer.

Juglans nigella Heer

Hypotype 14839

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 21, fig. 5.

Ravenscrag Formation, Saskatchewan; Ravenscrag Butte.

Juglans rugosa Lesquereux

Hypotype 14842

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 20, fig. 5.

Ravenscrag Formation, Saskatchewan; about base Willowbunch Member, sec. 19, tp. 1, rge. 22, W2nd mer.

Laurophyllum laraminum (Dawson) Bell

Hypotype 7442

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 16, fig. 1.

Ravenscrag Formation, Saskatchewan; sec. 1, tp. 1, rge. 22, W2nd mer.

Metasequoia occidentalis (Newberry) Chaney

Hypotype 14886

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 15, fig. 3.

Paleocene post-Brazeau beds. Alberta; Coal Valley, Sterling open-cut, roof of Mynbur coal seam.

Metasequoia sp. Bell (cone)

Specimen 5162

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 15, fig. 2.

Paleocene beds, Alberta; north Saskatchewan River, 28 miles west of Rocky Mountain House.

Tertiary

Nymphaeites angulatus (Newberry) Bell

Hypotype 14832

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 16, fig. 4.

Ravenscrag Formation, Saskatchewan; just above Willowbunch Member, NE sec. 13, tp. 3, rge. 24, W2nd mer.

Onoclea hebridica (Forbes) Bell

Hypotype 14891

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 13, fig. 6.

Paskapoo Formation, Saskatchewan; Burnt Timber Creek area, lsd. 5, sec. 8, tp. 31, rge. 8, W5th mer.

Osmunda macrophylla Penhallow

Hypotype 14885

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 13, fig. 1.

Paskapoo Formation, Alberta; Blindman River, about 1,000 feet upstream from confluence with Red Deer River.

Platanus basilobata Ward

Hypotypes 14889, 148890

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 17, fig. 5; Pl. 17, fig. 3.

Paskapoo Formation, Alberta; Brickburn, NE 1/4 sec. 23, tp. 24, rge. 2, W5th mer.

Platanus raynoldsi Newberry

Hypotypes 14872, 14893

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 20, fig. 4; Pl. 18, fig. 4.

Paskapoo Formation, Alberta; Burnt Timber Creek, 1/2 mile upstream from Red Deer River, lsd. 9-10, sec. 5, tp. 31, rge. 8, W5th mer.; Red Deer River, north side, cut-bank 50-60 feet high, SW 1/4 sec. 14, tp. 31, rge. 9, W5th mer.

Populus carneosa (Newberry) Bell

Hypotypes 14887, 14888

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 19, fig. 2.

Paskapoo Formation, Alberta; Red Deer River, north side, about 1/2 mile upstream from mouth Blindman River, at 3-inch coal seam.

Rhamnus sp. Bell

Specimen 14826

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 19, fig. 1 pars.

Ravenscrag Formation, Saskatchewan; near base Willowbunch Member, sec. 19, tp. 1, rge. 22, W2nd mer.

Sapindus grandifoliolus Ward

Hypotypes 14830, 14834, 14843

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 16, fig. 3.

Ravenscrag Formation, Saskatchewan; above Willowbunch Member, sec. 1, tp. 1, rge. 22, W2nd mer.; buff facies, sec. 33, tp. 2, rge. 30, W2nd mer.; SE section 29, tp. 3, rge. 24, W2nd mer.

Spirodela scutata Dawson

Hypotype 14833

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 16, fig. 6.

Ravenscrag Formation, Saskatchewan; grey facies below Keogh coal seam, SW sec. 35, tp. 1, rge. 22, W2nd mer.

Trochodendroides (*Cercidiphyllum*?) *arctica* (Heer) Berry

Hypotype 14894

Paskapoo Formation, Alberta; Red Deer River, north side, 1/4 sec. 14, tp. 31, rge. 9, W5th mer.

Viburnum antiquum (Newberry) Hollick

Hypotype 6151

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 20, fig. 1.

Paskapoo Formation, Alberta; Brickburn, NE 1/4 sec. 23, tp. 24, rge. 2, W5th mer.

Viburnum asperum Newberry

Hypotypes 14837, 14838

Bell W.A. 1965, Geol. Surv. Can., Paper 65-35, Pl. 18, fig. 3; Pl. 19, fig. 3.

Paskapoo Formation, Alberta; Red Deer River, south side near Red Deer, SE 1/4 sec. 18, tp. 38, rge. 27, W4th mer.

Ravenscrag Formation, Saskatchewan; just over Willowbunch Member, sec. 18, tp. 4, rge. 2, W3rd mer.

List of Trivial Names

acadica–Aneimites; Pecopteris; Asterotheca
acicularis–Annularia
acifolia–Elatocladus
acrodentata–Sphenopteris
aculeata–Sphenopteris
aculeatum–Lepidodendron
acuta–Mariopteris
acutidens–Celastrophyllum
adiantoides–Adiantites; Diplotmema; Ginkgo
affine–Telangium; Cinnamomum
affinis–Platanus
alaskana–Cassia
albertaensis–Elatocladus
angulatus–Nymphaeites
angusta–Sapindopsis
angustifolia–Phoenicopsis
antiquorum–Hicoria
antiquum–Viburnum
aperta–Sterculia
arctica–Cercidiphyllum; Cladophelbis; Jenkinsella; Trochodendroides
artus–Sequoia
asperum–Viburnum
attenuatus–Ampelophyllites
avoldensis–Zeilleria
baileyi–Samaropsis
basilobata–Platanus
belviderensis–Sapindopsis
berryi–Athrotaxites
bidens–Sphenopteris
blomstrandi–Dennstaedtia
bondi–Adiantites
boreale–Pseudoprotophyllum
boulayana–Magnolia
boulayi–Crossotheca; Sphenopteris
bretonense–Lepidodendron
brevifolia–Elatocladus; Torreya
brongniarti–Nilssonia; Oligocarpia
bunburii–Linopteris
burchardti–Equisetum
burlingi–Sphenopteris; Dennstaedtia
caducum–Tetrameridium
californica–Nilssonia
campbelli–Amentotaxus
camptotaenia–Asolanus
canadensis–Klukia; Nilssonia
carneosa–Populus
carnosa–Mariopteris
castrae–Viburnum
catenulata–Androvettia
ceratops–Carpolithus; Cycadinocarpus
ceterus–Cornus
cistiiformis–Calamites; Mesocalamites
coalvillensis–Magnolia
comoxensis–Glyptostrobus
cordatus–Castaliites
cornuta–Samaropsis
corpulentus–Thuites
corrugata–Lepidodendropsis
corsini–Neuropteris; Bellopteris
crampii–Samaropsis
crenatodentata–Sphenopteris; Oligocarpia
cretacea–Bauhinia; Hedera
cretaceus–Zizyphus
cuneata–Metasequoia
curvifolia–Elatides
dakotana–Vitis
dakotensis–Sequoia
daphnogenoides–Ficus
dathei–Hymenotheca
davreuxi–Alethopteris
dawsoni–Cordaicarpus; Lepidodendron
decurrens–Alethopteris
delicatula–Zeilleria
deltiformis–Sphenopteris
dentatum–Aspidiophyllum
denticulata–Crossotheca; Sphenopteris
desiderata–Whittleseya
dicksonioides–Torreyites
dorfi–Trochodendroides
douglasi–Brachyphyllum; Athrotaxites
dunkeriana–Pseudocycas
elegans–Sigillaria
emarginatum–Sphenophyllum
equisetiformis–Asterophyllites
erecta–Sphenopteris; Gleichenites
eschweilleriana–Lonchopteris
exemplaris–Nymphaeites
fayettensis–Hymenaea
ficoides–Stigmaria
flexuosa–Neuropteris; Mixoneura
flexuosum–Laurophyllum
foliosa–Acrostichopteris
formosa–Geinitzia

fuchsiforme–Dictyophyllum
furcata–Baiera
gardneri–Saccoloma
geisekiana–Gleichenites
giganteum–Liriodendron
glaber–Triletes
glascoeana–Ficus
göpperti–Sphenopteris; Ruffordia
gracilis–Baiera
gracilla–Dryophyllum
grandifoliolus–Sapindus
groenlandica–Cladophlebis; Araliaephyllum
hebridica–Onoclea
heeri–Cinnamomum
hemitelioides–Pecopteris; Asterotheca
heterophylla–Cephalotaxopsis; Cladophlebis; Neuropteris
hirsuta–Mariopteris
hollicki–Magnolia
hyperborea–Dalbergia
impressa–Cladophlebis; Cornus
infundibuliformis–Macrostachya
ingens–Samaropsis
insignis–Ctenopteris; Celastrinites
intermedius–Elatocladus
interrupta–Thuja
jacksoni–Archaeopteris
jenneyi–Lepidostrobophyllum
knowltoni–Filicites
lacoeana–Magnolia
lambii–Cryptomerites
lanceolatum–Lepidostrobophyllum
lanceolatus–Podozamites
laqueata–Rhodea
laraminum–Laurophyllum
laricinus–Lepidophloios
latifolia–Annularia; Mariopteris
latifolium–Pseudoaspidiophyllum
latiloba–Platanus; Sphenopteris
lesquereuxi–Diospyros
lineata–Sphenopteris
lonchitica–Alethopteris
longifolia–Araucarites
longifolius–Asterophyllites
lyelli–Equisetum
macconochiei–Sphenopteris
macrophylla–Credneria; Neuropteris; Osmunda
magnifica–Magnolia
major–Elatocladus; Sequoia
majus–Lepidostrobophyllum; Sphenophyllum
mammillata–Ilex
mcgregori–Zizyphus
mclearni–Prunus; Sagenopteris; Sphenopteris
miltoni–Pecopteris; Asterotheca
mintoensis–Lepidostrobophyllum
missouriensis–Ficus; Oligocarpia
montanense–Ptilophyllum; Anomozamites
moriensis–Sphenopteris
muensteri–Linopteris (var. dawsoni)
multinerve–Protophyllum
nana–Ginkgo
nebrascensis–Dombeyopsis
neuropteroides–Linopteris (var. major); Sphenopteris
newberryana–Platanus
newberryi–Cinnamomoides; Cornus; Sphenopteris
nigella–Juglans
nigracollensis–Nilssonia
nitida–Diospyros
nordenskiöldi–Elatocladus; Cryptomerites; Palaeonuphar; Pityophyllum
obliqua–Linopteris; Neuropteris
oblongifolium–Sphenophyllum
oblongifolius–Adiantites
obtusa–Archaeopteris
obtusus–Adiantites
occidentalis–Metasequoia
ophiurus–Lepidodendron
ovata–Neuropteris; Mixoneura
ovatus–Rhamnites
ovatifolia–Ficus
parva–Cladophlebis
parvidens–Aralia
perantiqua–Alnus
pictoense–Lepidodendron
pinnatifida–Crossotheca
plicatum–Pterophyllum
pluckeneti–Dicksonites
plumosa–Senfenbergia
pluripartita–Ginkgo
polymorpha–Acitheca; Protophyllocladus
postnewberryi–Cinnamomum
potieri–Telangium
potomacensis–Trochodendroides
praelanceolatum–Lepidodendron
princeps–Psilophyton
principalis–Cordaites
protonucifera–Dicotylophyllum; Fagus
pseudogigantea–Neuropteris
pseudostellata–Annularia
psilotoides–Onychiopsis
quadridactlyites–Hymenophyllites
radiata–Annularia
ramosus–Calamites
rarinervis–Neuropteris
raynoldsi–Platanus
rectangulare–Pterophyllum

reichii–Widdringtonites
reniformis–Menispermites
rhabdocarpi–Cordaitanthus
rhamnoides–Magnolia
ribeyroni–Mariopteris
rigida–Czekanowskia
rimosum–Lepidodendron
robinsi–Dammarites
robusta–Rhacopteris
rotundifolia–Renaultia; Magnolia
rotundiloba–Araliaephyllum
rugosa–Juglans
schatzlarensis–Sphenopteris; Renaultia
schaumburgensis–Nilssonia
scheuchzeri–Neuropteris
schlehani–Neuropteris
scrobiculatus–Asterocalamites
scutata–Spirodela
scutellata–Sigillaria
septentroinale–Fraxinus
serli–Alethopteris
simplicima–Cladophlebis
spatulata–Andromeda
spatulatus–Leguminosites
sphenophylloides–Annularia
sphenopteroides–Mariopteris
spiniformis–Sphenopteris
splendida–Elatides
stantoni–Vitis
stellata–Annularia
sternbergi–Alloiopteris; Corynepteris
striata–Sphenopteris
striatus–Nymphaeites
stricta–Sphenopteris; Anemia
striolatus–Stenorachis
subcuneata–Odontopteris
suckowi–Calamites
sulcata–Sphenopteris
superba–Calamostachys
taurinensis–Aralia
tenellus–Carpolithus
tenerrimum–Sphenophyllum
tenuifolia–Neuropteris
tenuis–Mariopteris
tortuosa–Halonia
triangulare–Lepidostrobophyllum
trinervis–Ficus
truncatodenticulata–Credneria
undulatum–Tapeinidium
undulatus–Calamites
unitus–Ptychocarpus
unjiga–Pseudocycas
valida–Alethopteris
validum–Pterophyllum
variabilis–Lepidostrobus
virginiana–Triphyllopteris
virginiensis–Cladophlebis
volkmannianum–Lepidodendron
waldenburgensis–Calamites
westoni–Araliaephyllum
whitii–Sphenopteris; Diplotmema
wickendeni–Populites
williamsi (ii)–Platanus; Sagenopteris
wortheni–Lepidodendron
yukonensis–Coniopteris
zeilleri–Thallites