
# CATALOGUE OF TYPE INVERTEBRATE FOSSILS OF THE GEOLOGICAL SURVEY OF CANADA

## Volume V

Thomas E. Bolton

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Volume V

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Catalogue of type invertebrate fossils of
the Geological Survey of Canada,
*by* Thomas E. Bolton, Vol. I (1960), Vol. II (1965), Vol. III (1966), Vol. IV (1968)

Catalogue of types and figured specimens of
fossil plants in the Geological Survey of
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GEOLOGICAL SURVEY
OF CANADA

*Volume V*

# CATALOGUE OF TYPE INVERTEBRATE FOSSILS OF THE GEOLOGICAL SURVEY OF CANADA

By
Thomas E. Bolton

DEPARTMENT OF
ENERGY, MINES AND RESOURCES
CANADA

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## INTRODUCTION

The format of Volume V is similar to that adopted for the previous four volumes. The original reference for each species is cited as well as subsequent reviews directly related to the forms listed.

Representatives of all phyla described subsequent to mid - 1967, not included in Volumes I-IV, are listed in the present catalogue. Some earlier described fossil types either refigured or recently located in the Survey collections also are recorded.

Primary type categories *Holotype, Paratype, Syntype, Lectotype, Neotype,* and Figured specimen (*Fig. spec.*) are used with the same connotations as in previous volumes. All type specimens are cited as objectively as possible.

The tendency for individuals and organizations to deposit types with the Geological Survey of Canada in Ottawa has continued to grow. Many such specimens are listed in this latest volume. Such donations make the specimens readily accessible under proper storage and curatorial supervision.

The value of the National Type Collection of Fossil Invertebrates and Plants has been greatly enhanced in recent years by the assignment of the C.F. Hartt collection of type specimens described from the Cambrian of New Brunswick, courtesy of Professor John W. Wells and Cornell University, the Université Laval early Paleozoic collection courtesy of Professor R.S. Sabourin, and Cambrian, Devonian, Thiassic, Jurassic and Pliocene type specimens from western North America described by Colin W. Crickmay.

FORAMINIFERA

*Ammobaculites erectus* Crespin

Hypotypes 19812-19814

Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 29, pl. 6, figs. 4a-6.

Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Ammobaculites reophacoides* Bartenstein

Hypotypes 19809-19811

Chamney, T.P., 1969, Geol. Surv. Can., Bull 185, p. 28, pl. 6, figs. 1a-3b.

Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Ammodiscus mackenziensis* Chamney

Holotype 19764; paratypes 19765-19768

Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 15, pl. 2, figs. 1-5.

Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Ammodiscus thomsi* Chamney

Holotype 24193; paratypes 24194, 24195

Chamney, T.P., 1971, Geol. Surv. Can., Bull. 192, p. 101, pls. 17A, B, figs. 4-6.

Savik Formation, Middle-Upper Jurassic, Mount Bridgeman, lat. 80°14'N, long. 84°50'W, Ellesmere Island, Arctic.

*Ammodiscus* sp.

Fig. spec. 19769

Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 16, pl. 2, figs. 6a, b.

Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Archaediscus koktjubensis* Rauzer-Chernoussova

Hypotypes 24900, 24939

Mamet, B.L. 1970, Geol. Surv. Can., Paper 70-21, p. 8, pl. 4, fig. 3; pl. 7, fig. 3.

Windsor Group, Carboniferous, boulder on shore, Sheep Island, Mahone Bay, Lunenburg co., and Dominion Steel and Iron Corporation quarry, Edwardsville, Cape Breton Island, Nova Scotia.

*Archaediscus* aff. *koktjubensis* Rauzer-Chernoussova
Hypotype 24901
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, p. 8, pl. 4, fig. 4.
Windsor Group, Carboniferous, boulder on shore, Goat Island, Mahone Bay, Lunenburg co., Nova Scotia.

*Archaediscus krestovnikovi* Rauzer-Chernoussova
Hypotypes 24937, 24938, 24941, 24942
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, pl. 7, figs. 1, 2, 5, 6.
Windsor Group, Carboniferous, Dominion Steel and Iron Corporation quarry, Edwardsville, Cape Breton Island, Nova Scotia.

*Archaediscus pachytheca* Petryk
Holotype 25423; paratypes 25424-25428
Petryk, A.A., 1971, Micropaleontology, vol. 17, no. 2, p. 249, text-fig. 1, figs. 1, 2.
Opal and Carnarvon Members, Mount Head Formation, Rundle Group, Mississippian, lat. 50°34'N, long. 114°56'W, South Misty Range; lat. 50°39'N, long. 115°4'W, Elpoca Creek; lat. 50°43'N, long. 115°6'W, King Creek, Alberta.

*Archaediscus* sp.
Fig. spec. 24940
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, p. 7, pl. 7, fig. 4.
Windsor Group, Carboniferous, Williams Point, Nova Scotia.

*Arenoturrispirillina intermedia* Chamney
Holotype 24203; paratypes 24204-24206
Chamney, T.P., 1971, Geol. Surv. Can., Bull. 192, p. 105, pls. 18A, B, figs. 3-5.
Husky Formation, Upper Jurassic, Treeless Creek, southeastern flank of Richardson Mountains, lat. 67°52'N, long. 135°40'W and Martin Creek, north-central Richardson Mountains, lat. 68°12'N, long. 135°25'W, District of Mackenzie; Deer Bay Formation, Lower Cretaceous, Buchanan Lake, lat. 79°13'N, long. 87°00'W, Axel Heiberg Island, Arctic.

*Arenoturrispirillina jeletzkyi* Chamney
Holotype 24207; paratypes 24208-24214
Chamney, T.P., 1971, Geol. Surv. Can., Bull. 192, p. 106, pls. 18A, B, figs. 6-9.
Deer Bay Formation, Lower Cretaceous, Buchanan Lake, lat. 79°13'N, long. 87°00'W, Axel Heiberg Island, Arctic; Treeless Creek, southeastern flank of Richardson Mountains, lat. 67°52'N, long. 135°40'W and Martin Creek, northeastern flank of Richardson Mountains, lat. 68°12'N, long. 135°25' to 135°40'W, District of Mackenzie.

*Arenoturrispirillina waltoni* Chamney
Holotype 24196; paratypes 24197-24201
Chamney, T.P., 1971, Geol. Surv. Can., Bull. 192, p. 104, pls. 17A, B, figs. 7a-c; pls. 18A, B, figs. 1a-c.
Husky Formation, Upper Jurassic, Martin Creek, northeastern Richardson Mountains, lat. 68°12'N, long. 135°25'W, and Treeless Creek, southeastern flank of Richardson Mountains, lat. 67°52'N, long. 135°40'W, District of Mackenzie.

*Arenoturrispirillina* sp.
Fig. spec. 24202
Chamney, T.P., 1971, Geol. Surv. Can., Bull. 192, p. 107, pls. 18A, B, figs. 2a-c.
Husky Formation, Upper Jurassic, Treeless Creek, southeastern flank of Richardson Mountains, lat. 67°52'N, long. 135°40'W, District of Mackenzie.

*Asteroarchaediscus baschkiricus* (Krestovnikov and Teodorovitch)
Hypotype 24956
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, pl. 7, fig. 20.
Windsor Group, Carboniferous, Windsor, Nova Scotia.

*Asteroarchaediscus* sp.
Fig. spec. 24955
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, p. 8, pl. 7, fig. 19.
Windsor Group, Carboniferous, Williams Point, Nova Scotia.

*Bathysiphon granulocoelia* Chamney
Holotype 19756
Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 12, pl. 1, fig. 4.
Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Bathysiphon scintillata* Chamney
Holotype 19753; paratypes 19754, 19755
Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 11, pl. 1, figs. 1-3.
Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Biseriammina? windsorensis* Mamet
Holotype 24874; paratypes 24869-24873, 24880-24885, 24911
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, p. 8, pl. 1, figs. 1-4, 6, 11; pl. 2, figs. 1-5, 8; pl. 4, fig. 12.
Windsor Group, Carboniferous, Dominion Steel and Iron Corporation quarry, Edwardsville, Cape Breton Island, Nova Scotia.

*Buccella frigida* (Cushman)
Hypotypes 20113, 20114
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 23, pl. 1, figs. 20, 21.
Pleistocene, east bank Grande Rivière du Chêne, just south of Highway 9 and south shore, St. Lawrence River, 3.2 miles east of Deschaillons, Quebec.

*Buccella frigida* (Cushman)
Hypotypes 22028, 22029
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, figs. 11:8, 9.
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 1, figs. 18, 19.
Pleistocene-Recent, Hudson Bay.

*Calcisphaera pachysphaerica* (Pronina)
Hypotype 24898
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, pl. 4, fig. 1.
Windsor Group, Carboniferous, abandoned quarry at Springville, Pictou co., Nova Scotia.

*Cibicides lobatulus* (Walker and Jacob)
Hypotypes 20128, 20129
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 1, figs. 12, 13.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 26, pl. 2, figs. 12, 13.
Pleistocene, 3.2 miles east of Deschaillons, Quebec.

*Cibicides lobatulus* (Walker and Jacob)
Hypotypes 22021, 22022
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, figs. 11:1, 2.
Pleistocene - Recent, Hudson Bay.

*Cornuspira* sp.
Fig. specs. 24888, 24889
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, p. 10, pl. 3, figs. 1, 2.
Windsor Group, Carboniferous, Williams Point, Nova Scotia.

?*Dentalina* sp.
Fig. spec. 20099
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 18, pl. 1, fig. 6.
Pleistocene, eastern edge of Farrans Point, Ontario.

*Diplosphaerina inaequalis* (Derville)
Hypotype 24903
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, pl. 4, fig. 6.
Windsor Group, Carboniferous, south of Mabou River, southwest of Mabou, Inverness co., Cape Breton Island, Nova Scotia.

*Diplosphaerina maljavkini* (Mikhailov)
Hypotype 24904
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, pl. 4, fig. 7.
Windsor Group, Carboniferous, 1 mile north of Cape Dauphin village, Victoria co., Cape Breton Island, Nova Scotia.

*Earlandia* sp.
Fig. specs. 24891, 24899
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, p. 10, pl. 3, fig. 4; pl. 4, fig. 2.
Windsor Group, Carboniferous, boulder at Seaboyer's, south of Deep Cove, Lunenburg co. and east of Transcanada Highway and Williams Point road intersection, Antigonish co., Nova Scotia.

*Elphidiella arctica* (Parker and Jones)
Hypotype 20124
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 1, fig. 1.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 25, pl. 2, fig. 8.
Pleistocene, Sherbrooke and Mansfield Streets, Montreal, Quebec.

*Elphidiella arctica* (Parker and Jones)
Hypotype 20125
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 25, pl. 2, fig. 9.
Pleistocene, Sherbrooke and Mansfield Streets, Montreal, Quebec.

*Elphidium bartletti* Cushman
Hypotypes 20115-20117
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 23, pl. 1, figs. 22, 23; pl. 2, fig. 1.
Pleistocene, pit west of Rivière Baudet and south of Highway 2, Quebec and vicinity of the Hydro-Electric Power Commission of Ontario office, Cornwall, Ontario.

*Elphidium bartletti* (Cushman)
Hypotype 22027
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 11:7.
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 1, fig. 17.
Pleistocene-Recent, Hudson Bay.

*Elphidium frigidium* Cushman
Hypotype 20118
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 24, pl. 2, fig. 2.
Pleistocene, corner of Masson and D'Iberville Streets, Montreal, Quebec.

*Elphidium incertum* (Williamson)
Hypotype 20121
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 24, pl. 2, fig. 5.
Pleistocene, southwest corner of Isabella and Décarie Streets, Montreal, Quebec.

*Elphidium incertum* (Williamson)
Hypotype 20122
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 1, fig. 5.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 24, pl. 2, fig. 6.
Pleistocene, lot 4, con. I, Lochiel tp., Glengarry co., Ontario.

*Elphidium incertum clavatum* Cushman
Hypotype 20119
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 24, pl. 2, fig. 3.
Pleistocene, Beaugrand Street, 100 feet south of Souligny, Montreal, Quebec.

*Elphidium incertum clavatum* Cushman
Hypotype 20120
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 1, fig. 8.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 24, pl. 2, fig. 4.
Pleistocene, Beaugrand Street, 100 feet south of Souligny, Montreal, Quebec.

*Elphidium subarcticum* Cushman
Hypotype 20123
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 1, fig. 9.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 25, pl. 2, fig. 7.
Pleistocene, second pit from southern end of St. Philomène Ridge, south of Montreal, Quebec.

*Endothyra bowmani* Phillips
Hypotypes 24925, 24927
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, pl. 6, figs. 1, 3.
Windsor Group, Carboniferous, Williams Point, Nova Scotia.

*Endothyra excentralis* Cooper
Hypotypes 24919, 24920, 24928, 24929
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, pl. 5, figs. 4, 5; pl. 6, figs. 4, 5.
Windsor Group, Carboniferous, east of Transcanada Highway and Williams Point road intersection, and Williams Point, Antigonish co., Nova Scotia.

*Endothyra* aff. *E. obsoleta* Rauzer-Chernoussova
Hypotype 24926
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, pl. 6, fig. 2.
Windsor Group, Carboniferous, Williams Point, Nova Scotia.

*Endothyra pseudobradyi* Braznikhova
Hypotype 24877
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, pl. 1, fig. 8.
Windsor Group, Carboniferous, Saunders Cove, Cape Breton Island, Nova Scotia.

*Endothyra* sp.
Fig. specs. 24876, 24895, 24912-24915, 24923, 24930, 24931
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, p. 10, pl. 1, fig. 7; pl. 3, fig. 8; pl. 4, figs. 15-18; pl. 5, fig. 8; pl. 6, figs. 6, 8.
Windsor Group, Carboniferous, Cape Dauphin; boulders on shores of Goat and Sheep Islands, Mahone Bay, Lunenburg co.; southern side of road at Kelley Cove, north of New Campbellton, Victoria co.; abandoned quarry at Springville, Pictou co.; and Williams Point, Nova Scotia.

*Endothyranella* sp.
Fig. specs. 24878, 24879
Mamet, B.L., 2970, Geol. Surv. Can., Paper 70-21, pl. 1, figs. 9, 10.
Windsor Group, Carboniferous, Cape Dauphin, Cape Breton Island, Nova Scotia.

*Endothyranopsis crassa* (Brady)
Hypotype 24918
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, p. 11, pl. 5, fig. 3.
Windsor Group, Carboniferous, road-cut north of Antigonish Milk Plant, Antigonish co., Nova Scotia.

*Eostaffella*? *cooperi* (Zeller)
Hypotypes 24934-24936
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, pl. 6, figs. 10-12.
Windsor Group, Carboniferous, Williams Point, Nova Scotia.

*Eostaffella*? *discoidea* (Girty)
Hypotypes 24921, 24933
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, p. 11, pl. 5, fig. 6.
Windsor Group, Carboniferous, east of Transcanada Highway and Williams Point road intersection, and Williams Point, Antigonish co., Nova Scotia.

*Eostaffella* sp.
Fig. specs. 24897, 24917
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, p. 11, pl. 3, fig. 10; pl. 5, fig. 2.
Windsor Group, Carboniferous, boulder at Seaboyer's, south of Deep Cove, and on shore, Sheep Island, Mahone Bay, Lunenburg co., Nova Scotia.

*Eostaffella*? sp.
Fig. spec. 24932
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, p. 11, pl. 6, fig. 7.
Windsor Group, Carboniferous, Williams Point, Nova Scotia.

*Eowaeringella richardsonensis* Ross
Holotype 23742; paratypes 23743-23755
Ross, C.A., 1969, Geol. Surv. Can., Bull. 182, p. 130, pl. 14, figs. 1-15 [fig. 11 = fig. 12].
Middle Pennsylvanian, Fish Creek, lat. 69°56'N, long. 136°31'W, northern Yukon.

Foraminifer sp. indet.
Fig. specs. 23998, 23999
Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 28, pl. 4, figs. 16, 17.
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 1, fig. 17 [23998].
Vauréal Formation, Upper Ordovician, Rivière à l'huile, 2,500 feet and a mile above mouth, Anticosti Island, Quebec.

*Gaudryina tappanae* Chamney
Holotype 19817; paratypes 19818-19820
Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 31, pl. 6, figs. 9-12b.
Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Globivalvulina*? sp.
Fig. specs. 24886, 24887
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, pl. 2, figs. 6, 7.
Carboniferous, Ellesmere Island, Arctic.

*Globoendothyra* sp.
Fig. spec. 24916
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, p. 11, pl. 5, fig. 1.
Windsor Group, Carboniferous, Mahone Bay, Lunenburg co., Nova Scotia.

*Globulina glacialis* Cushman and Ozawa
Hypotype 20102
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 1, fig. 14.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 19, pl. 1, fig. 9.
Pleistocene, lot 6, con. I, Kenyon tp., Glengarry co., Ontario.

*Glomospira subarctica* Chamney
Holotype 19770; paratypes 19771, 19772
Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 16, pl. 2, figs. 7a-9.
Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Glomospira subarctica saturna* Chamney
Holotype 19773; paratypes 19774, 19775
Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 17, pl. 2, figs. 10-12.
Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Glomospirella arctica* Chamney
Holotype 19776; paratypes 19777-19780
Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 18, pl. 2, figs. 13, 14; pl. 3, figs. 1a-4.
Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Glomospirella*? *elongata* Chamney
Holotype 19783; paratypes 19784, 19785
Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 20, pl. 3, figs. 7a-9.
Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Glomospirella* sp.
Fig. specs. 19781, 19782
Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 20, pl. 3, figs. 5a, b, 6.
Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Guttulina dawsoni* Cushman and Ozawa
Hypotype 20103
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 19, pl. 1, fig. 10.
Pleistocene, eastern edge of Farrans Point, Ontario.

*Haplophragmoides coronis* Chamney
Holotype 19796; paratype 19797
Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 25, pl. 5, figs. 4, 5.
Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Haplophragmoides duoflatis* Chamney
Holotype 19798; paratype 19799-19805
Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 25, pl. 5, figs. 6-13.
Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Haplophragmoides* cf. *H. duoflatis* Chamney
Hypotypes 19806, 19807
Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 26, pl. 5, figs. 14a, b, 15.
Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Haplophragmoides gigas* Cushman
Hypotype 23730
Wickenden, R.T.D., 1969, Geol. Surv. Can., Bull. 182, p. 235, text-figs. 16a, b.
Joli Fou Formation, Lower Cretaceous, 1850-1860 feet, Imperial Fabian No. 1 Well, l.s.d. 16, sec. 18, tp. 45, rge. 8, W. 4th mer., Alberta.

*Haplophragmoides goodenoughensis* Chamney
Holotype 19790; paratypes 19791, 19792
Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 23, pl. 4, figs. 5a-6c.
Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Haplophragmoides inflatigrandis* Chamney
Holotype 19793; paratype 19794, 19795
Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 24, pl. 5, figs. 1a-3.
Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Haplophragmoides* ?sp.
Fig. spec. 19808
Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 27, pl. 5, figs. 16a, b.
Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Haplophragmoides* sp.
Fig. spec. 22800
Sinha, R.N., 1970, Geol. Surv. Can., Paper 68-30, pl. 5, fig. 1.
Cardium Formation, Upper Cretaceous, HB Edson well 13, l.s.d. 10, sec. 3, tp. 54, rge. 17, W. 5th mer., Alberta.

*Hippocrepina* cf. *H. barksdalei* (Tappan)
Hypotype 19759
Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 13, pl. 1, figs. 7a, b.
Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

?*Hyperammina* cf. *H. acicula* (Parr) *fide* Crespin
Hypotype 19757
Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 12, pl. 1, figs. 5a, b.
Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Hyperammina* cf. *H. aljutovica* Reitlinger
Hypotype 19758
Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 13, pl. 1, fig. 6.
Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

?*Hyperammina* sp.
Fig. spec. 20094
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (2970), p. 16, pl. 1, fig. 1.
Pleistocene, lot 18, con. I, Stafford tp., Renfrew co., Ontario.

*Islandiella islandica* (Nørvang)
Hypotypes 20108, 20109
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 21, pl. 1, figs. 15, 16.
Pleistocene, bank of St. Lawrence River just east of creek 7 miles east of Morrisburg, Ontario and bank of small stream flowing into St. Lawrence River 3.2 miles southwest of Deschaillons, Quebec.

*Islandiella islandica* (Nørvang)
Hypotype 22024
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 11:4.
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 1, fig. 3.
Pleistocene-Recent, Hudson Bay.

*Islandiella norcrossi* (Cushman)
Hypotype 20110
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 1, fig. 11.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 22, pl. 1, fig. 17.
Pleistocene, lot 2, con. II, Osnabruck tp., Stormont co., Ontario.

*Islandiella norcrossi* (Cushman)
Hypotype 20111
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 22, pl. 1, fig. 18.
Pleistocene, second pit from southern end of St. Philomène Ridge, Quebec.

*Islandiella teretis* (Tappan)
Hypotype 20112
Wagner, F.J.E.,
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, fig. 18.
1971, ibid., Bull. 181 (1970), p. 22, pl. 1, fig. 19.
Pleistocene, 2.5 miles south-southwest of Alexandria, lot 6, con. I, Kenyon tp., Glengarry co., Ontario.

*Islandiella teretis* (Tappan)
Hypotype 22026
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 11:6.
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 1, fig. 7.
Pleistocene-Recent, Hudson Bay.

*Koskinotextularia* sp.
Fig. specs. 24909, 24910
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, pl. 4, figs. 11, 13.
Windsor Group, Carboniferous, abandoned quarry at Springville, Pictou co., Nova Scotia.

*Lagena apiopleura* Loeblich and Tappan
Hypotype 20100
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 1, fig. 2.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 18, pl. 1, fig. 7.
Pleistocene, southwest corner of Isabella and Décarie Streets, Montreal, Quebec.

*Lituotuba gallupi* Chamney
Holotype 24190; paratype 24191
Chamney, T.P., 1971, Geol. Surv. Can., Bull 192, p. 99, pls. 17A, B, figs. 1a, b, 2.
Lower Cretaceous, Cache (Canyon) Creek, north flank of Richardson Mountains, lat. 68°17'N, long. 135°45'W, District of Mackenzie; Deer Bay Formation, Lower Cretaceous, Buchanan Lake, lat. 79°13'N, long 87°00'W, Axel Heiberg Island, Arctic.

*Lituotuba* sp.
Fig. spec. 24192
Chamney, T.P., 1971, Geol. Surv. Can., Bull. 192, p. 101, pls. 17A, B, figs. 3a-c.
Husky Formation, Lower Cretaceous, Treeless Creek, southeastern flank of Richardson Mountains, lat. 67°52'N, long. 135°40'W., District of Mackenzie.

*Mikhailovella* sp.
Fig. spec. 24922
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, p. 12, pl. 5, fig. 7.
Windsor Group, Carboniferous, east of Transcanada Highway and Williams Point road intersection, Antigonish co., Nova Scotia.

*Neoarchaediscus parvus regularis* (Suleimanov)
Hypotypes 24943, 24944
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, p. 12, pl. 7, figs. 7, 8.
Windsor Group, Carboniferous, Williams Point, Nova Scotia.

*Neoarchaediscus* sp.
Fig. spec. 24945
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-12, p. 12, pl. 7, fig. 12.
Windsor Group, Carboniferous, Williams Point, Nova Scotia.

*Nonionellina labradorica* (Dawson)
Hypotype 21087
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 1, figs. 15, 16.
Pleistocene, Rivière du Loup-Trois Pistoles area, Quebec.

*Nonionellina labradorica* (Dawson)
Hypotype 22025
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 11:5.
Pleistocene-Recent, Hudson Bay.

*Palaeocrisidia* (?) *priscilla* (Dawson)
Hypotype 24890
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, p. 14, pl. 3, fig. 3.
Windsor Group, Carboniferous, West Bay, Nova Scotia.

*Palaeotextularia asper* (Cooper)
Hypotypes 24892-24894
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, p. 13, pl. 3, figs. 5-7.
Windsor Group, Carboniferous, east of Transcanada Highway and Williams Point road intersection, Antigonish co.; boulder at Seaboyer's, south of Deep Cove, Lunenburg co.; and Cape Dauphin, Cape Breton Island, Nova Scotia.

*Parafusulina belcheri* Throsteinsson
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 14, fig. 1 [paratype 13977].

*Parafusulina macdamensis* Ross
Holotype 23767; paratypes 23763-23766, 23768-23777
Ross, C.A., 1969, Geol. Surv. Can., Bull. 182, p. 132, pl. 15, figs. 1-4; pl. 16, figs. 1-10.
Permian, about 2 1/2 miles west of Blue River at an elevation of 5,250 feet, McDame map-area, lat. 59°33'N, long. 129°55'W, British Columbia.

*Pateoris hauerinoides* (Rhumbler)
Hypotype 20098
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 17, pl. 1, fig. 5.
Pleistocene, pit 1.4 miles southeast of St. Philomène, Quebec.

*Planospirodiscus gregorii* (Dain)
Hypotypes 24946, 24947
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, p. 13, pl. 7, figs. 9, 10.
Avon Limestone, Windsor Group, Carboniferous, Windsor, Nova Scotia.

*Planospirodiscus* aff. *gregorii* (Dain)
Hypotype 24948
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, p. 13, pl. 7, fig. 11.
Windsor Group, Carboniferous, Cape Dauphin, Cape Breton Island, Nova Scotia.

*Planospirodiscus minimus* (Grozdelova and Lebedeva)
Hypotypes 24951, 24954
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, p. 13, pl. 7, figs. 15, 18.
Windsor Group, Carboniferous, Monks Head Point 1 mile north of Monks Head village, Antigonish co., and Cape Dauphin, Cape Breton Island, Nova Scotia.

*Planospirodiscus* aff. *minimus* (Grozdelova and Lebedeva)
Hypotype 24953
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, p. 13, pl. 7, fig. 17.
Avon Limestone, Windsor Group, Carboniferous, Windsor, Nova Scotia.

*Planospirodiscus* cf. *minimus* (Grozdelova and Lebedeva)
Hypotype 24952
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, p. 13, pl. 7, fig. 16.
Windsor Group, Carboniferous, Port Hood Island, Nova Scotia.

*Planospirodiscus* sp.
Fig. specs. 24949, 24950, 24958
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, p. 13, pl. 7, figs. 13, 14, 22.
Windsor Group, Carboniferous, Cape Dauphin, Cape Breton Island, and Williams Point, Nova Scotia.

cf. *Planospirodiscus* ?sp.
Fig. spec. 24957
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, pl. 7, fig. 21.
Windsor Group, Carboniferous, Port Hood Island, Nova Scotia.

Polymorphinidae, genus and species indet.
Fig. spec. 20101
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 21, pl. 1, fig. 8.
Pleistocene, bank of St. Lawrence River, just east of creek 7 miles east of Morrisburg, Ontario.

*Protelphidium orbiculare* (Brady)
Hypotype 20126
Wagner, F.J.E.,
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, fig. 17.
1971, ibid., Bull. 181 (1970), p. 26, pl. 2, fig. 10.
Plesitocene, Sherbrooke and Mansfield Streets, southwest corner of McGill University grounds, Montreal, Quebec.

*Protelphidium orbiculare* (Brady)
Hypotype 20127
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 26, pl. 2, fig. 11.
Pleistocene, pit 1.4 miles southeast of St. Philomène, Quebec.

*Protelphidium orbiculare* (Brady)
Hypotype 22023
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 11:3.
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 1, fig. 10.
Pleistocene-Recent, Hudson Bay.

*Psamminopelta* ?cf. *P. bowsheri* Tappan
Hypotype 19786
Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 21, pl. 4, figs. 1a-c.
Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Pseudoendothyra* sp.
Fig. spec. 24924
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, pl 13, pl. 5, fig. 9.
Windsor Group, Carboniferous, boulder at Seaboyer's, south of Deep Cove, Lunenburg co., Nova Scotia.

*Pseudoglomosphira*? *infinitesima* (Beede)
Hypotype 24896
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, pl 12, pl. 3, fig. 9.
Windsor Group, Carboniferous, Cape Dauphin, Cape Breton Island, Nova Scotia.

*Pseudopolymorphina novangliae* (Cushman)
Hypotype 20104
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 1, fig. 4.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 19, pl. 1, fig. 12.
Pleistocene, lot 2, con. II, Osnabruck tp., Stormont co., Ontario.

*Pseudopolymorphina novangliae* (Cushman)
Hypotype 20105
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 19, pl. 1, fig. 11.
Pleistocene, Westbury, near Mackenzie, Montreal, Quebec.

*Pseudopolymorphina suboblonga* Cushman and Ozawa
Hypotype 20106
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 20, pl. 1, fig. 13.
Pleistocene, lot 15, con, III, Cornwall tp., Stormont co., Ontario.

*Pyrulina angusta* (Egger)
Hypotype 20107
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 20, pl. 1, fig. 14.
Pleistocene, lot 29, con. IV, Cornwall tp., Stormont co., Ontario.

*Quinqueloculina arctica* Cushman
Hypotype 20095
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 17, pl. 1, fig. 2.
Pleistocene, lot 21?, con. II, Osnabruck tp., Stormont co., Ontario.

*Quinqueloculina seminulum* (Linné)
Hypotype 20096
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 17, pl. 1, fig. 3.
Pleistocene, lot 29, con. V., Cornwall tp., Stormont co., Ontario.

*Quinqueloculina seminulum* (Linné)
Hypotype 20097
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 1, fig. 6.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 17, pl. 1, fig. 4.
Pleistocene, pit 1.4 miles southeast of St. Philomène, Quebec.

*Reophax tundraensis* Chamney
Holotype 19787; paratypes 19788, 19789, 19886
Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 22, pl. 4, figs. 2-4.
Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Schwagerina atlinensis* Ross
Holotype 24698; paratypes 24695-24697
Ross, C.A., 1971, Geol. Surv. Can., Bull. 197, p. 97, pl. 17, figs. 1-5.
Cache Creek Group, Permian, summit of mountain just south of Nakina River, lat. 59°06'N, long. 132°57'W, British Columbia.

*Tetrataxis*? *eominima* Rauzer-Chernoussova
Hypotype 24907
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, pl. 4, fig. 10.
Windsor Group, Carboniferous, West Branch River immediately south of Eureka bridge, Pictou co., Nova Scotia.

*Tetrataxis* aff. *T. paraminima* Vissarionova
Hypotype 24905
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, pl. 4, fig. 8.
Windsor Group, Carboniferous, Doherty Cove, 1 mile west of Scotsville, Inverness co., Cape Breton Island, Nova Scotia.

*Tetrataxis* sp.
Fig. spec. 24906
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, pl. 4, fig. 9.
Windsor Group, Carboniferous, Doherty Cove, 1 mile west of Scotsville, Inverness co., Cape Breton Island, Nova Scotia.

*Tetrataxis*? sp.
Fig. spec. 24908
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, pl. 4, fig. 14.
Windsor Group, Carboniferous, Monks Head Point 1 mile north of Monks Head village, Antigonish co., Nova Scotia.

*Textularia* cf. *T. topagorukensis* Tappan
Hypotypes 19815, 19816
Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 30, pl. 6, figs. 7, 8.
Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Thuramminoides septagonalis* Chamney
Holotype 19760; paratype 19761-19763
Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 14, pl. 1, figs. 8a-11b.
Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Trochammina conicominuta* Chamney
Holotype 19884; paratype 19885
Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 33, pl. 6, figs. 15a-c.
Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Trochammina squamate limbata* Chapman
Hypotypes 19821, 19883
Chamney, T.P., 1969, Geol. Surv. Can., Bull. 185, p. 32, pl. 6, figs. 13a-d, 14a-c.
Rock unit 1, Lower Cretaceous, spur running northeast from Mount Goodenough, Aklavik Range, lat. 67°57'10"N, long. 135°25'19"W, District of Mackenzie.

*Trochammina* sp.
Fig. spec. 22799
Sinha, R.N., 1970, Geol. Surv. Can., Paper 68-30, pl. 4, fig. 7.
Cardium Formation, Upper Cretaceous, HB Edson well 13, l.s.d. 10, sec. 3, tp. 54, rge. 17, W. 5th mer., Alberta.

Undetermined Archaediscidae
Fig. spec. 24902
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, pl. 4, fig. 5.
Windsor Group, Carboniferous, boulder on shore, Goat Island, Mahone Bay, Lunenburg co., Nova Scotia.

Undetermined Biseriamminidae
Fig. spec. 24875
Mamet, B.L., 1970, Geol. Surv. Can., Paper 70-21, pl. 1, fig. 5.
Windsor Group, Carboniferous, Cape Dauphin, Cape Breton Island, Nova Scotia.

*Wedekindellina* cf. *W. cabezasensis* Ross and Sabins
Hypotypes 23756-23762
Ross, C.A., 1969, Geol. Surv. Can., Bull. 182, p. 131, pl. 15, figs. 5-12.
Middle Pennsylvanian, 7 miles northwest of Two Beaver Lake, Larsen Creek map-area, lat. 64°47½'N, long. 137°38½'W, northern Yukon.

*Yabeina cordillerensis* Ross
Holotype 24704; paratypes 24699-24703, 24705-24708, 25058, 25059
Ross, C.A., 1971, Geol. Surv. Can., Bull. 197, p. 98, pl. 17, figs. 6-12; pl. 18, figs. 1-8.
Cache Creek Group, Permian, summit of mountain just south of Nakina River, lat. 59°06'N, long. 132°57'W, British Columbia.

*Yabeina nakinensis* Ross

Holotype 25061; paratype 25060

Ross, C.A., 1971, Geol. Surv. Can., Bull. 197, p. 99, pl. 19, figs. 1-4.

Cache Creek Group, Permian, summit of mountain just south of Nakina River, lat. 59°06'N, long. 132°57'W, British Columbia.

PORIFERA

(?)*Anthaspidella mammulata* Ulrich and Everett
Hypotype 25408
Rigby, J.K., 1971, Geol. Surv. Can., Bull. 202, p. 50, pl. 3, fig. 1.
Cat Head Member, Red River Formation, Ordovician, Kinwow Bay Island, Lake Winnipeg, Manitoba.

*Astraeospongia* sp.
Fig. spec. 24860, a, b
Mitchell, S.W., 1970, Michigan Academician, vol. 2, no. 3, pl. 1, fig. 3.
Hay River Formation, Upper Devonian, north bank of Hay River, ¼ mile southeast of Enterprise, Northwest Territories.

*Aulocopella winnipegensis* Rauff
Hypotype 25406
Rigby, J.K., 1971, Geol. Surv. Can., Bull. 202, p. 45.
Cat Head Member, Red River Formation, Ordovician, Cat Head, Lake Winnipeg, Manitoba.

*Aulocopium (Aulocopella) winnipegensis* Rauff
= *Aulocopella winnipegensis*, Rigby J.K., 1971, Geol. Surv. Can., Bull. 202, p. 45, pl. 4, figs. 1, 2; pl. 5, figs. 1, 2, 4 [holotype 6863].

*Brachiospongia digitata* (Owen)
Hypotype 25409
Rigby, J.K., 1971, Geol. Surv. Can., Bull. 202, p. 58, pl. 2, fig. 1.
Cat Head Member, Red River Formation, Ordovician, between McBeth Point and Cat Head, Lake Winnipeg, Manitoba.

*Calathium formosum* Billing – holotype 534, a located.

*Calathium? paradoxicum* Billings
= *Nipterella paradoxica*, Nitecki, M.H., 1968, Fieldiana – Geology, vol. 16, no. 11, p. 289, figs. 3, 4 [holotype 451 – *nomen nudum*].

(?)*Cyathophycus reticulatus* Walcott
Hypotypes 25908, a
Rigby, J.K., 1971, Geol. Surv. Can., Bull. 202, p. 56, pl. 3, figs. 4, 5.
Cat Head Member, Red River Formation, Ordovician, west shore of Lake Winnipeg, Manitoba.

(?)*Edriospongia basalis* Ulrich and Everett

Hypotypes 25408a, b

Rigby, J.K., 1971, Geol. Surv. Can., Bull. 202, p. 51, pl. 3, fig. 1; pl. 5, fig. 3.

Cat Head Member, Red River Formation, Ordovician, Kinwow Bay Island, Lake Winnipeg, Manitoba.

*Ellesmerespongia feildeni* Rigby

Holotype 25610

Rigby, J.K., 1970, J. Pal., vol. 44, no. 6, p. 1144, text-figs. 2A-D.

Lower Permian, Feilden Peninsula, northern tip of Ellesmere Island, Arctic.

*Hudsonospongia irregularis* Raymond and Okulitch

Hypotypes 25404, 25405

Rigby, J.K., 1971, Geol. Surv. Can., Bull. 202, p. 42, pl. 1, figs. 1, 3-5.

Cat Head Member, Red River Formation, Ordovician, between McBeth Point and Cat Head, and between Cat Head and Lynx Point, Lake Winnipeg, Manitoba.

*Hydnodictya acantha* Rigby

Holotype 25907

Rigby, J.K., 1971, Geol. Surv. Can., Bull. 202, p. 53, pl. 1, figs. 2; pl. 2, figs. 2, 3.

Cat Head Member, Red River Formation, Ordovician, McBeth Point, Lake Winnipeg, Manitoba.

*Mettaspongia apaches* Rigby

Holotype 24500; paratypes 24800, 24801

Rigby, J.K., 1970, J. Pal., vol. 44, no. 1, p. 9, pl. 3, figs. 1, 2; pl. 4, figs. 1-3.

Mount Hawk Formation, Upper Devonian, unnamed creek draining west side of Hummingbird Range, sec. 8, tp. 36, rge. 16, W. 5th mer. and third major creek draining west face of Ram Range, north of North Ram Gap, sec. 26, tp. 37, rge. 16, W. 5th mer., Alberta..

*Patellispongia* sp.

Fig. spec. 25407

Rigby, J.K., 1971, Geol. Surv. Can., Bull. 202, p. 49, pl. 6, figs. 5, 6.

Cat Head Member, Red River Formation, Ordovician, between McBeth Point and Cat Head, Lake Winnipeg, Manitoba.

*Pelicaspongia sterea* Rigby

Holotype 24501

Rigby, J.K., 1970, J. Pal., vol. 44, no. 1, p. 12, pl. 3, figs. 3-5; pl. 4, fig. 4; text – fig. 2.

Middle Mount Hawk Formation, Upper Devonian, northern fork of Hummingbird Creek, lat. 52°04'N, long. 116°13.5'W, Front Ranges, Alberta.

*Pyruspongia camella* Rigby

Holotype 7203a; paratypes 7203, b, 25411

Rigby, J.K., 1971, Geol. Surv. Can., Bull. 202, p. 62, pl. 6, figs. 1-4.

Cat Head Member, Red River Formation, Ordovician, Cat Head and Kinwow Bay Island, Lake Winnipeg, Manitoba.

*Pyruspongia ruga* Rigby

Holotype 25410

Rigby, J.K., 1971, Geol. Surv. Can., Bull. 202, p. 60, pl. 1. fig. 6.

Cat Head Member, Red River Formation, Ordovician, between McBeth Point and Cat Head, Lake Winnipeg, Manitoba.

Sponge undet.

Fig. spec. 30452

Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 6, figs. 1, 9.

Thornloe Formation, Middle Silurian, northwestern point Mann Island, Lake Timiskaming, Quebec.

*Tethya logani* Dawson

Hypotype 20130

Wagner, F.J.E.,

1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 2, fig. 20.

1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, fig. 25.

1971, ibid., Bull. 181 (1970), p. 27, pl. 2, figs. 14a-d.

Pleistocene, First Avenue between Allan and Lacoste Streets, Montreal, Quebec.

*Trichospongia hystrix* Whiteaves

= *Trichospongiella hystrix*, Rigby, J.K., 1971, Geol. Surv. Can., Bull. 202, p. 38, pl. 3, figs. 2, 3 [holotype 6864].

## ARCHAEOCYATHA

*Acanthopyrgus yukonensis* Handfield
Hopotypes 25314 – 25316
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 32, pl. 2, figs. 3, 4a-c.
Lower Cambrian, lat. 61°39'N, long. 128°11'W, Yukon.

*Ajacicyathus* aff *A. crassus* Debrenne
Hypotype 25323
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 36, pl. 3, figs. 1a-c.
Atan Group, Lower Cambrian, lat. 59°16'N, long. 129°11'W, Good Hope Lake, British Columbia.

*Ajacicyathus yukonensis* Kawase and Okulitch
Hypotypes 25324, 25325
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 37, pl. 3, figs 2a, b, 3.
Atan Group, Lower Cambrian. lat. 59°16'N, long. 129°11'W, Good Hope Lake, British Columbia.

*Ajacicyathus yukonensis* ? Kawase and Okulitch
Hypotype 25362
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 37, pl. 3, figs. 4a, b.
Atan Group, Lower Cambrian, lat. 59°16'N, long. 129°11'W, Good Hope Lake, British Columbia.

?*Cambrocyathus* sp.
Fig. specs. 25371 – 25374
Handfield, R.C. 1971, Geol. Surv. Can., Bull. 201, p. 65, pl. 11, figs. 4, 5; pl. 12, figs. 1a, b, 5.
Atan Group, Lower Cambrian, lat. 59°16'N, long. 129°11'W, Good Hope Lake, British Columbia.

*Claruscoscinus billingsi* (Vologdin)
Hypotypes 25397, 25398
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 74, pl. 15, figs. 6a, b; pl. 16, figs. 1a-c.
Sekwi Formation, Lower Cambrian, lat. 63°33'N, long. 129°15'W, Caribou Pass, Northwest Territories; Atan Group, Lower Cambrian, lat. 59°16'N, long. 129°11'W, Good Hope Lake, British Columbia.

*Cordilleracyathus blussoni* Handfield
Holotype 25345; paratypes 25346 – 25350
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 50, pl. 7, figs. 2-6.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long, 129°34'W, and lat. 63°33'N, long. 129°15'W, Caribou Pass [25349], Northwest Territories.

*Coscinocyathus dentocanis* Okulitch
= *Coscinocyathus* sp., Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 1, fig. 11 [fig. spec. 13328].

*Coscinocyathus fritzi* Handfield
Holotype 25357; paratypes 25358 – 25360
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 57, pl. 9, figs. 2-5.
Sekwi Formation, Lower Cambrian, lat. 63°33'N, long. 129°15'W, Caribou Pass, Northwest Territories.

*Coscinocyathus* aff. *C. fritzi* Handfield
Hypotype 25361
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 58, pl. 10, figs. 1a, b.
Atan Group, Lower Cambrian, lat. 59°16'N, long. 129°11'W, Good Hope Lake, British Columbia.

*Coscinocyathus* cf. *C. multiporus* Kawase and Okulitch
Hypotype 25362
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 59, pl. 10, figs. 6a, b.
Atan Group, Lower Cambrian, lat. 59°16'N, long. 129°11'W, Good Hope Lake, British Columbia.

*Erismacoscinus* cf. *E. tubicornus* (Kawase and Okulitch)
Hypotype 25364
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 62, pl. 10, fig. 2.
Atan Group, Lower Cambrian, lat. 59°16'N, long. 129°11'W, Good Hope Lake, British Columbia.

*Erismacoscinus? uniporus* Handfield
Holotype 25363
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 62, pl. 10, figs. 3a, b.
Atan Group, Lower Cambrian, lat. 59°16'N, long. 129°11'W, Good Hope Lake, British Columbia.

*Ethmophyllum lineatus* Greggs
= *Palmericyathus lineatus*, Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 46 [holotype 14315].

*Ethmophyllum* cf. *E. whitneyi* Meek
Hypotypes 25332, 25333
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 42, pl. 4, figs. 5, 6a-d.
Atan Group, Lower Cambrian, lat. 59°16'N, long. 129°11'W, Good Hope Lake, British Columbia.

*Fenestrocyathus complexus* Handfield
Holotype 25388; paratypes 25389-25391
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 73, pl. 14, figs. 3-5; pl. 15, figs. 1, 2.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 129°34'W, Northwest Territories.

*Flindersicyathus* cf. *F. aenigmatus* Rodionova
Hypotype 25380
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 67, pl. 13, figs. 1a, b.
Atan Group, Lower Cambrian, lat. 59°16'N, long. 129°11'W, Good Hope Lake, British Columbia.

*Flindersicyathus mcdamensis* Handfield
Holotype 25375; paratypes 25376 - 25379
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 67, pl. 12, figs. 2-4, 6a, b.
Atan Group, Lower Cambrian, lat. 59°16'N, long 129°11'W, Good Hope Lake, British Columbia.

*Flindersicyathus* sp.
Fig. spec. 25381
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 68, pl. 13, fig. 2.
Atan Group, Lower Cambrian, lat. 59°16'N, long. 129°11'W, Good Hope Lake, British Columbia.

Genus A sp.
Fig. spec. 25366
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 56, pl. 10, figs. 4a, b.
Atan Group, Lower Cambrian, lat. 59°16'N, long. 129°11'W, Good Hope Lake, British Columbia.

Genus B sp.
Fig. spec. 25365
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 63, pl. 10, fig. 5.
Lower Cambrian, lat. 61°39'N, long. 128°11'W, Yukon.

*Gordonicyathus dorfi* Handfield
Holotype 25335
Handfield, R. C., 1971, Geol. Surv. Can., Bull. 201, p. 41, pl. 5, figs. 2a-c.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 129°34'W, Northwest Territories.

*Kaltatocyathus rozanovi* Handfield
Holotype 25321; paratype 25322
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 33, pl. 2, fig. 9.
Lower Cambrian, lat. 60°37'N, long. 127°21'W, Coal River map-area, Yukon.

*Ladaecyathus fischeri* Handfield
Holotype 25354; paratype 25355
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 54, pl. 8, figs. 3a-e.
Lower Cambrian, lat. 60°37'N, long. 127°21'W, Coal River map-area, Yukon.

*Ladaecyathus* aff. *L. fischeri* Handfield
Hypotypes 25356, 25382
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 55, pl. 9, figs. 1a, b; pl. 16. fig. 3.
Atan Group, Lower Cambrian, lat. 59°16'N, long. 129°11'W, Good Hope Lake, British Columbia.

*Loculicyathus canadensis* Handfield
Holotype 25327
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 39, pl. 3, figs. 5a-d.
Lower Cambrian, lat. 60°37'N, long. 127°21'W, Coal River map-area, Yukon.

*Mackenziecyathus bukryi* Handfield
Holotype 25334
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 44, pl. 5, figs. 1a-d.
Lower Cambrian, lat. 60°37'N, long. 127°21'W, Coal River map-area, Yukon.

*Metaldetes*? *caribouensis* Handfield
Holotype 25367; paratypes 25368 - 25370
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 64, pl. 11, figs. 1-3.
Sekwi Formation, Lower Cambrian, lat. 63°33'N, long. 129°15'W, Caribou Pass, Northwest Territories.

*Palmericyathus lineatus* (Greggs)
Hypotype 25336
Handfield, R.C., 1971, Geol. Surv. Can., Bull 201, p. 46, pl 5, figs. 3a-c.
Sekwi Formation, Lower Cambrian, lat. 63°33'N, long. 129°15'W, Caribou Pass, Northwest Territories.

?*Porocyathus* sp.
Fig. spec. 25344
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 49, pl. 7, figs. 1a-b.
Lower Cambrian, lat. 60°37'N, long. 127°21'W, Coal River map-area, Yukon.

*Protopharetra* aff. *P. polymorpha* Bornemann
Hypotype 25383
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 69, pl. 13, fig. 4.
Atan Group, Lower Cambrian, lat. 59°51'N, long 129°36'W, One Ace Mountain, British Columbia.

*Protopharetra* sp.
Fig. spec. 25382
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 69, pl. 13, figs. 3a, b.
Atan Group, Lower Cambrian, lat. 59°16'N, long. 129°11'W, Good Hope Lake, British Columbia.

*Pseudosyringocnema uniporus* Handfield
Holotype 25392; paratypes 25393 - 25396
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 76, pl. 15, figs. 3-5.
Lower Cambrian, lat. 60°37'N, long. 127°21'W, Coal River map-area, Yukon.

*Pycnoidocoscinus sp.*
Fig. spec. 25399
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 75, pl. 16, figs. 2a, b.
Lower Cambrian, lat. 60°37'N, long. 127°21'W, Coal River map-area, Yukon.

*Pycnoidocyathus sekwiensis* Handfield
Holotype 25384; paratypes 25385 - 25387
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 71, pl. 13, fig. 5; pl. 14, figs. 1, 2a-c.
Sekwi Formation, Lower Cambrian, lat. 63°33'N, long. 129°15'W, Caribou Pass, Northwest Territories.

*Robustocyathus* aff. *R. peluduicus* Zhuravleva
Hypotypes 25328-25331
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 40, pl. 4, figs. 1a, b, 2-4.
Atan Group, Lower Cambrian, lat. 59°16'N, long. 129°11'W, Good Hope Lake, and One Ace Mountain, lat. 59°51'N, long. 129°36'W, British Columbia.

*Sekwicyathus nahanniensis* Handfield
Holotype 25317; paratypes 25318 - 25320
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 34, pl. 2, figs. 5-8.
Sekwi Fromation, Lower Cambrian, lat. 63°31'N, long. 129°34'W, Northwest Territories.

*Tabulaconus kordeae* Handfield
Holotype 24709; paratypes 24710 - 24714
Handfield, R.C., 1969, Can. J. Earth Sci., vol. 6, no. 4, p. 784, pl. 1, figs. 2-5.
Sekwi Formation, Lower Cambrian, 12 miles west-southwest of Caribou Pass, Mount Sekwi area, lat. 63°31'N, long. 129°34'W, Northwest Territories.

*Tumuliolynthus (Propriolynthus) vologdini* (Yakovlev)
Hypotypes 25321, 25313
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 30, pl. 2, figs. 1-2.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 129°34'W, Northwest Territories.

*Yukonocyathus francesi* Handfield
Holotype 25351; paratypes 25352, 25353
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 51, pl. 8, figs. 1a-c, 2a, b.
Lower Cambrian, lat. 61°39'N, long. 128°11'W, and lat. 60°37'N, long. 127°21'W, Coal River map-area, Yukon.

*Zonacyathus borealis* Handfield
Holotype 25337; paratypes 25338, 25339
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 47, pl. 6, figs. 1a-c, 2a-b.
Lower Cambrian, lat. 60°37'N, long. 127°21'W, Coal River map-area, Yukon; Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 129°34'W, Northwest Territories.

*Zonacyathus princetonensis* Handfield
Holotype 25340; paratypes 25341 - 25343
Handfield, R.C., 1971, Geol. Surv. Can., Bull. 201, p. 48, pl. 6, figs. 3-6.
Atan Group, Lower Cambrian. lat. 59°16'N, long. 129°11'W, Good Hope Lake, British Columbia.

STROMATOPOROIDEA

*Actinodictyon crispatum* Petryk
Holotype 20251; paratypes 20252, 20253
Petryk, A.A., 1967, Geol. Surv. Can., Paper 67-7, p. 32, pl. 4, figs. 7, 8.
Cape Crauford Formation, Middle Silurian, southwest-facing cliffs about 4 miles northeast of Jackson Inlet, Brodeur Peninsula, northwest Baffin Island, Arctic.

*Actinodictyon keelei* Parks
Holotype 20260, a-e [ specimen and slide ]
Parks, W.A., 1909, Univ. Toronto Studies, Geol. Ser., no. 6, p. 35, pl. 19, figs. 5, 6.
Silurian, "Gravel River, Mackenzie District, Canada".

*Actinostroma* cf. *A. clathratum* Nicholson
Hypotype 26146, a, b
Stearn, C.W. and Mehrotra, P.N., 1971, Geol. Surv. Can., Paper 70-13 (1970), p. 15, pl. 4, figs. 5, 6.
Ogilvie Formation, Middle Devonian, lat. 66°12.7' - 12.5'N, long. 139°18' - 17'W, near Miner River, Ogilvie Mountains, Yukon.

*Amphipora ramosa* (Phillips)
Hypotype 26144
Stearn, C.W. and Mehrotra, P.N., 1971, Geol. Surv. Can., Paper 70-13 (1970), p. 19, pl. 4, fig. 1.
Ogilvie Formation, Middle Devonian, lat. 66°03'N, long. 139°35.2' - 37'W, Mount Burgess, Yukon.

*Anostylostroma* cf. *A. humile* Galloway and St. Jean
Hypotype 26137, a, b
Stearn, C.W. and Mehrotra, P.N., 1971, Geol. Surv. Can., Paper 70-13 (1970), p. 9, pl. 2, figs. 1, 2.
Ogilvie Formation, Middle Devonian, lat. 66°03'N, long. 139°35.2' - 37'W, Mount Burgess, Yukon.

*Anostylostroma intermedium* Klovan
Hypotypes 26134, a, b, 26135, a, b
Stearn, C.W. and Mehrotra, P.N., 1971, Geol. Surv. Can., Paper 70-13 (1970), p. 7, pl. 1, figs. 3-6.
Ogilvie Formation, Middle Devonian, lat. 66°03'N, long. 139°35.2' - 37'W, Mount Burgess, Yukon.

*Anostylostroma laxum* (Nicholson)
Hypotype 26136, a, b
Stearn, C.W. and Mehrotra, P.N., 1971, Geol. Surv. Can., Paper 70-13 (1970), p. 8, pl. 1, figs. 7, 8.
Hume Formation, Middle Devonian, lat. 65°27'N, long. 132°01'W, Flyaway Creek, Yukon.

*Anostylostroma ponderosum* (Nicholson)
Hypotype 26133, a, b
Stearn, C.W. and Mehrotra, P.N., 1971, Geol. Surv. Can., Paper 70-13 (1970), p. 6, pl. 1, figs. 1, 2.
Hume Formation, Middle Devonian, lat. 65°45'N, long. 131°21.5'W, immediately west of Arctic Red River, District of Mackenzie.

*Beatricea nodosa* Billings
Hypotype 29638
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 5, fig. 22.
Elles Bay Formation, Upper Ordovician, Vauréal River Falls road, creek east of road crossing above falls, Anticosti Island, Quebec.

*Beatricea undulata* Billings
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D. Ontario Division Mines, Geol. Guidebook 4, pl. B, fig. 5 [hypotype 18673].

*Clathrocoilona* cf. *C. subclathrata* Galloway and St. Jean
Hypotype 26140
Stearn, C.W. and Mehrotra, P.N., 1971, Geol. Surv. Can., Paper 70-13, (1970) p. 11, pl. 2, figs. 7, 8.
Hume Formation, Middle Devonian, lat. 65°45'N, long. 131°21.5'W, Arctic Red River, District of Mackenzie.

*Clathrodictym cystosum* var. *lineatum* Parks
= *Plexodictyon waparksi*, Stearn, C.W., 1969, J. Pal., vol. 43, no. 3, p. 762. pl. 99, figs. 5, 6 [ holotype 17740 a, b ].

*Clathrodictyon drummondense* Parks
Hypotype 27702
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. D, fig. 1.
Fossil Hill Formation, Middle Silurian, shore section Martin Lake, Manitoulin Island, Ontario.

*Clathrodictyon drummondense* Parks
Hypotype 304030
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 3, fig. 9.
Thornloe Formation, Middle Silurian, Macnamara quarry, lot. 6, con. VI, Armstrong tp., Ontario.

*Clathrodictyon lenticulare* Petryk
Holotype 20201; paratypes 20202, 20203
Petryk, A.A., 1967, Geol. Surv. Can., Paper 67-7, p. 11, pl. 1, figs. 1, 2.
Cape Crauford Formation, Middle Silurian, seaward-facing cliffs about 5 miles northwest and about 6,500 feet southwest of Cape Crauford, and east-facing cliffs about 5 miles east-southeast of Sargent Point, Brodeur Peninsula, northwest Baffin Island, Arctic.

*Clathrodictyon linnarsonni* Nicholson
Hypotypes 20217 - 20227
Petryk, A.A., 1967, Geol. Surv. Can., Paper 67-7, p. 15, pl. 1, figs, 7, 8.
Baillarge Formation, Middle Silurian, cliffs facing Admiralty Inlet about 17 miles southwest of Cape Crauford, and about 18,000 feet southwest of Cape Crauford in gullies cut by two adjacent creeks, Brodeur Penninsula, northwest Baffin Island, Arctic.

*Clathrodictyon miniapse* Petryk
Holotype 20208; paratypes 20209 - 20216
Petryk, A.A., 1967, Geol. Surv. Can., Paper 67-7, p. 13, pl. 1, figs. 5, 6.
Baillarge Formation, Middle Silurian, about 18,000 feet southwest of Cape Crauford in gullies cut by two adjacent creeks, Brodeur Peninsula, northwest Baffin Island, Arctic.

*Clathrodictyon vaigatschense* Yavorsky
Hypotypes 20204 - 20207
Petryk, A.A., 1967, Geol. Surv. Can., Paper 67-7, p. 12, pl. 1, figs. 3, 4a.
Baillarge Formation, Middle Silurian, about 18,000 feet southwest of Cape Crauford in gullies cut by two adjacent creeks, Brodeur Peninsula, northwest Baffin Island, Arctic.

*Clathrodictyon variolare* Rosen
Hypotype 30421
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 2, fig. 4.
Thornloe Formation, Middle Silurian, shore exposure northern half of Mann Island, Lake Timiskaming, Quebec.

*Clathrodictyon vesiculosum* Nicholson and Murie
Hypotype 30422
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 2, fig. 5.
Thornloe Formation, Middle Silurian, lots 2-3, con. V, Harris tp., Ontario.

*Clathrodictyon vesiculosum* Nicholson and Murie (lined var.)
Hypotypes 30423, 30428, 30429
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 2, fig. 6; pl. 3, figs. 7, 8.
Thornloe Formation, Middle Silurian, northeastern shore Mann Island, Lake Timiskaming, Quebec.

*Clathrodictyon vesiculosum minutum* (Rominger)
Hypotype 33333
Parks, W.A., 1933, Uiv. Toronto Studies, Geol. Ser., no. 33, p. 9, pl. 2, fig. 4.
La Vieille Formation, Middle Silurian, Jacquet River, New Brunswick.

*Cryptophragmus* sp.
Fig. spec. 22620
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 41, pl. 17, figs. 13-15.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Cystostroma minimum* (Parks)
Hypotype 27676
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. A, fig. 18.
Verulam Formation, Middle Ordovician, road-cut north end of Goat Island, Ontario.

*Ecclimadictyon fastigiatum* (Nicholson)
Hypotypes 20228 - 20233
Petryk, A.A., 1967, Geol. Surv. Can., Paper 67-7, p. 17, pl. 2, figs. 1, 2.
Baillarge Formation, Middle Silurian, about 18,000 feet southwest of Cape Cauford in gullies cut by two adjacent creeks, Brodeur Peninsula, northwest Baffin Island, Arctic.

*Ecclimadictyon microvesiculosum* (Riabinin)
Hypotypes 20234 - 20237
Petryk, A.A., 1967, Geol. Surv. Can., Paper 67-7, p. 19, pl. 2, figs. 3, 4.
Baillarge Formation, Middle Silurian, cliffs facing and south-facing cliffs near Admiralty Inlet, about 17 and 16 miles southwest of Cape Crauford, Brodeur Peninsula, northwest Baffin Island, Arctic.

*Ecclimadictyon microvesiculosum* (Riabinin)
Hypotype 30431
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 3, fig. 10.
Fossil Hill Formation, Middle Silurian, west shore of Colpoy Bay north of Colpoy Village, Bruce Peninsula, Ontario.

*Ecclimadictyon* sp. A
Fig. spec. 20238
Petryk, A.A., 1967, Geol. Surv. Can., Paper 67-7, p. 20, pl. 2, figs. 5, 6.
Baillarge Formation, Middle Silurian, cliff facing Admiralty Inlet about 17 miles southwest of Cape Crauford, Brodeur Peninsula, northwest Baffin Island, Arctic.

*Ferestromatopora jacquesensis* Galloway

Hypotype 26149, a, b.

Stearn, C.W., and Mehrotra, P.N., 1971, Geol. Surv. Can., Paper 70-13 (1970), p. 20, pl. 5, figs. 5, 6.

Ogilvie Formation, Middle Devonian, lat. 66°12.7' - 12.5'N, long. 139°18'-17'W, near Miner River, Ogilvie Mountains, Yukon.

*Ferestromatopora laminosa* (Lecompte)

Hypotype 26148, a, b.

Stearn, C.W. and Mehrotra, P.N., 1971, Geol. Surv. Can., Paper 70-13 (1970), p. 19, pl. 5, figs. 3, 4.

Hume Formation, Middle Devonian, lat. 65°45'N, long 131°21.5'W, immediately west of Arctic Red River, District of Mackenzie.

?*Gerronostroma juvene* Petryk

Holotype 20241; paratype 20242

Petryk, A.A., 1967, Geol. Surv. Can., Paper 67-7, p. 23, pl. 3, figs. 1-4.

Baillarge Formation, Middle Silurian, about 18,000 feet southwest of Cape Crauford in gullies cut by two adjacent creeks, Brodeur Peninsula, northwest Baffin Island, Arctic.

*Hammatostroma albertense* Stearn

Stearn, C.W., 1969, J. Pal., vol. 43, no. 3, p. 757, pl. 99, figs. 7, 8 [ holotype 15318 ].

*Hammatostroma vermiforme* Stearn and Mehrotra

Holotype 26142, a, b.

Stearn, C.W. and Mehrotra, P.N., 1971, Geol. Surv. Can., Paper 70-13 (1970), p. 13, pl. 3, figs. 5, 6.

Ogilvie Formations, Middle Devonian, lat. 65°25.2'N, long. 137°06'W, northern Ogilvie Mountains, Yukon.

*Intexodictyon brodeurense* Petryk

Holotype 20239; paratype 20240

Petryk, A.A., 1967, Geol. Surv. Can., Paper 67-7, p. 22, pl. 2, figs. 7, 8, a.

Baillarge Formation, Middle Silurian, about 18,000 feet southwest of Cape Cauford in gullies cut by two adjacent creeks, Brodeur Peninsula, northwest Baffin Island, Arctic.

*Intexodictyon* sp.

Fig. specs. 30418 - 30420

Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 2, figs. 1-3.

Wabi Formation, Middle Silurian, 1,100 feet upriver from bridge over Evanturel Creek, south of Englehart, Ontario.

*Pseudoactinodictyon cranswickense* Stearn and Mehrotra

Holotype 26143, a, b

Stearn, C.W. and Mehrotra, P.N., 1971, Geol. Surv. Can., Paper 70-13 (1970), p. 15, pl. 3, figs. 7, 8.

Ogilvie Formation, Middle Devonian, lat. 65°07.8'N, long. 132°16' - 18'W, near headwaters of Cranswick River, District of Mackenzie.

*Stachyodes costulata* Lecompte
Hypotype 26145 b
Stearn, C.W. and Mehrotra, P.N., 1971, Geol. Surv. Can., Paper 70-13 (1970), p. 18, pl. 4, figs. 3, 4.
Ogilvie Formation, Middle Devonian, lat. 66°03'N, long. 139°35.2' - 37'W, Mount Burgess, Yukon.

*Stachyodes thomasclarki* Stearn
Hypotype 26145 a
Stearn, C.W. and Mehrotra, P.N., 1971, Geol. Surv. Can., Paper 70-13 (1970), p. 17, pl. 4, figs. 2, 3.
Ogilvie Formation, Middle Devonian, lat. 66°03'N, long. 139°35.2' - 37'W, Mount Burgess, Yukon.

*Stictostroma cavosite* Stearn and Mehrotra
Holotype 26138, a, b
Stearn, C.W. and Mehrotra, P.N., 1971, Geol. Surv. Can., Paper 70-13 (1970), p. 9, pl. 2, figs. 3, 4.
Ogilvie Formation, Middle Devonian, lat. 65°38' - 38.5'N, long. 136°45.6' - 45.2'W, immediately west of Hart River, northern Ogilvie Mountains, Yukon.

*Stictostroma* sp. A
Fig. spec. 26139, a, b
Stearn, C.W. and Mehrotra, P.N., 1971, Geol. Surv. Can., Paper 70-13 (1970), p. 10, pl. 2, figs. 5, 6.
Ogilvie Formation, Middle Devonian, lat. 65°42' - 42.5'N, long. 137° 26.5' - 26'W, northern edge of Ogilvie Muntains, Yukon.

*Stromatopora* cf. *S. adleri* Yavorsky
Hypotype 26150, a, b
Stearn, C.W. and Mehrotra, P.N., 1971, Geol. Surv. Can., Paper 70-13 (1970), p. 21, pl. 5, figs. 7, 8.
Ogilvie Formation, Middle Devonian, lat. 66°03'N, long. 139°35.2' - 37'W, Mount Burgess, Yukon.

*Stromatopora* sp. aff. *S. antiqua* (Nicholson and Murie)
Hypotype 30424
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 2, fig. 7.
Thornloe Formation, Middle Silurian, quarry northeast corner lot 12, con. IV, Dymond tp., Ontario.

*Stromatopara aspectabilis* Yavorsky
Hypotypes 20246, 20247
Petryk, A.A., 1967, Geol. Surv. Can., Paper 67-7, p. 29, pl. 4, figs. 1, 2.
Cape Crauford Formation, Middle Silurian, seaward-facing cliffs about 5 miles northwest of Cape Crauford, Brodeur Peninsula, northwest Baffin Island, Arctic.

*Stromatopora baffinensis* Petryk
Holotype 20243; paratypes 20244, 20245
Petryk, A.A., 1967, Geol. Surv. Can., Paper 67-7, p. 26, pl. 3, figs. 5-8.
Cape Crauford Formation, Middle Silurian, seaward-facing cliffs about 5 miles northwest of Cape Crauford, Brodeur Peninsula, northwest Baffin Island, Arctic.

*Stromatopora baillargensis* Petryk
Holotype 20249; paratype 20250
Petryk, A.A., 1967, Geol. Surv. Can., Paper 67-7, p. 31, pl. 4, figs. 5, 6.
Baillarge Formation, Middle Silurian, about 18, 000 feet southwest of Cape Crauford in gullies cut by two adjacent creeks, Brodeur Peninsula, northwest Baffin Island, Arctic.

*Stromatopora* cf. *S. bucheliensis* (Bargatzky)
Hypotype 26151, a, b
Stearn, C.W. and Mehrotra, P.N., 1971, Geol. Surv. Can., Paper 70-13 (1970), p. 22, pl. 6, figs. 1, 2.
Michelle Formation, Lower(?) Devonian, lat. 65°41' - 42'N, long. 137°10. 2' - 11'W, northern edge of Ogilvie Mountains, Yukon.

*Stromatopora* cf. *S. constellata* Hall
Hypotype 30425
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 2, fig. 8.
Thornloe Formation, Middle Silurian, shore exposure northern half of Mann Island, Lake Timiskaming, Quebec.

*Stromatopora wilsoni* Parks
Holotype 23967 [ slides ]
Parks, W.A.,
1908, Ottawa Naturalist, vol. 22, p. 28.
1909, Univ. Toronto Studies, Geol. Ser., no. 6, p. 40, pl. 19, figs. 11, 12.
Middle Silurian, near mouth of Pagwachuan River, Ontario.

*Stromatopora* sp. A
Fig. spec. 20248
Petryk, A.A., 1967, Geol. Surv. Can., Paper 67-7, p. 30, pl. 4, figs. 3, 4.
Cape Crauford Formation, Middle Silurian, southwest-facing cliffs about 4 miles northeast of Jackson Inlet, Brodeur Penninsula, northwest Baffin Island, Arctic.

*Stromatopora* sp. A
Fig. spec. 26152, a, b
Stearn, C.W. and Mehrotra, P.N., 1971, Geol. Surv. Can., Paper 70-13 (1970), p. 23, pl. 6, figs. 3, 4.
Gossage Formation, Middle Devonian, lat. 68°15. 2' - 17. 1'N, long. 133°26. 4' - 21'W, north side, south end of Campbell Lake, District of Mackenzie.

*Syringostroma*? cf. *S. confertum* (Stearn)

Hypotype 26154, a

Stearn, C.W. and Mehrotra, P.N., 1971, Geol. Surv. Can., Paper 70-13 (1970), p. 24, pl. 6, fig. 8.

Ogilvie Formation, Middle Devonian, immediately west of Hart River, approximately lat. 66°38'N. long. 136°47'W, Yukon.

*Taleastroma vitreum* Galloway

Hypotype 26153, a, b

Stearn, C.W. and Mehrotra, P.N., 1971, Geol. Surv. Can., Paper 70-13 (1970), p. 23, pl. 6, figs. 5-7.

Ogilvie Formation, Middle Devonian, lat. 68°10'N, long. 133°28'W, east side, south end of Campbell Lake, District of Mackenzie.

*Tienodictyon jainaraini* Stearn and Mehrotra

Holotype 26141, a-c

Stearn, C.W. and Mehrotra, P.N., 1971, Geol. Surv. Can., Paper 70-13 (1970), p. 12, pl. 3, figs. 1-4.

Ogilvie Formation, Middle Devonian, lat. 66°03'N, long. 139°35.2' - 37'W, Mount Burgess, Yukon.

*Trupetostroma* cf. *T. ideale* Birkhead

Hypotype 26147, a, b

Stearn, C.W. and Mehrotra, P.N., 1971, Geol. Surv. Can., Paper 70-13 (1970), p. 16, pl. 5, figs. 1, 2.

Michelle Formation, Lower(?) Devonian, lat. 65°2.5'N, long. 137°01'W, Hart River area, northern Ogilvie Mountains, Yukon.

ANTHOZOA

*Acanthohalysites encrustans* (Buehler)
Hypotype 23585, a, b [ specimen and thin-sections ]
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photos 35, 38.
Amabel Formation, Middle Silurian, shore section at Providence Point, Manitoulin Island, Ontario.

*Acanthohalysites* n. sp.
Fig. spec. 23596
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 26.
Fossil Hill Formation, Middle Silurian, road exposure ½ miles west of lot 26, con. IX-X, Dawson tp. intersection, southwest of Meldrum Bay, Manitoulin Island, Ontario.

*Alveolites multiperforatus* (Salée)
Hypotypes 24867, 24868
Mitchell, S.W., 1970, Michigan Academician, vol. 2, no. 3, pl. 2, figs. 1-4.
Hay River Formation, Upper Devonian, talus blocks in woods about 100 feet below cliff at Mile 28, Mackenzie Highway, 1/8 mile southeast of Enterprise, Northwest Territories.

*Alveolites undosus* Miller
Hypotype 23959
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 25.
Fossil Hill Formation, Middle Silurian, road section 1.6 miles east of Long Bay, Manitoulin Island, Ontario.

*Aphroidophyllum meeki* Pedder
Holotype 24643; paratypes 24644-24656
Pedder, A.E.H., 1971, Geol. Surv. Can., Bull. 192, p. 47, pl. 5, figs. 2, 3; pl. 6, fig. 1-3; pl. 7, figs. 1-3.
Hume Formation, Middle Devonian, right bank Carnwarth River, lat. 67°23'N, long. 127°44'W, District of Mackenzie.

*Arachnophyllum pentagonum* (Goldfuss)
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 29 [ hypotype 20550 ].

*Arachnophyllum pentagonum* (Goldfuss)
Hypotype 30534
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 12, fig. 11.
Thornloe Formation, Middle Silurian, roadside exposure, lot 12, cons. V-VI road, Dymond tp., Ontario.

*Arachnophyllum striatum* (d'Orbigny)
Hypotype 30528
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 12, fig. 3.
Thornloe Formation, Middle Silurian, roadside exposure, lot 12, cons. V-VI road, Dymond tp., Ontario.

*"Aulopora" wilsonae* Sinclair
Hypotypes 22558-22560
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 40, pl. 21, figs. 4-6.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew Co., 2 miles west of Braeside, Ontario.

*Australophyllum hyperbolicum* (Crickmay)
= *Xystriphyllum hyperbolicum,* McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 9, figs. 19, 20 [ hypotype 16539 ].

*Calamophyllia dawsoni* Clapp and Shimer
= *Thecosmilia dawsoni,* Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 18, fig. 14 [ syntype 7806 ].

*Calapoecia anticostiensis* Billings
Hypotype 29593a, b
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 3, figs. 7, 9.
Vauréal Formation, Upper Ordovician, Jupiter River road (1958), 0.5 miles south of main highway, Anticosti Island, Quebec.

*Caninia belcheri* Harker
= *Caninophyllum belcheri,* Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 14, fig. 15 [ paratype 13503 a ].

*Catenipora huronensis* (Teichert)
Hypotype 27704
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. D, fig. 4.
Fossil Hill Formation, Middle Silurian, on road from Manitou Lake near cabin on east shore of Otter Lake, Manitoulin Island, Ontario.

*Catenipora huronensis* (Teichert)
Hypotype 30516
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 11, fig. 6.
Thornloe Formation, Middle Silurian, roadside exposure, lot 12, cons. V-VI road, Dymond tp., Ontario.

*Catenipora louisvillensis* (Stumm)
Hypotype 30522
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 11, fig. 13.
Thornloe Formation, Middle Silurian, roadside exposure, lot 12, cons. V-VI road, Dymond tp., Ontario.

*Catenipora microporus* (Whitfield)
Hypotype 30519
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 11, fig. 9.
Thornloe Formation, Middle Silurian, roadside exposure, lot 12, cons. V-VI road, Dymond tp., Ontario.

*Catenipora robustus* (Wilson)
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M. and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 5, fig. 24 [ hypotype 16907 ].

*Catenipora* sp.
Fig. spec. 29597
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 3, fig. 15.
Vauréal Formation, Upper Ordovician, main road east of Loon-Bear Lakes road, Anticosti Island, Quebec.

*Catenipora* spp.
Fig. specs. 30466, 30511
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 7, figs. 9, 10; pl. 11, fig. 1.
Thornloe Formation, Middle Silurian, quarry and roadside exposure, northeast corner lot 12, con. IV, Dymond tp. and northwest corner lot 1, con. IV, Harris tp., Ontario.

*Chaetetipora ellesmerensis* Norford
Holotype 25522, a, b [ specimen and thin sections ]
Norford, B.S., 1971, Geol. Surv. Can., Bull. 197, p. 4, pl. 1, figs. 1, 2.
Upper Ordovician, east of the delta of Daly River, lat. 81°14'N, long. 65°41'W, Ellesmere Island, Arctic.

*Cladopora* (?) *laqueata* Rominger
Hypotype 23594
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 23.
Fossil Hill Formation, Middle Silurian, 1 mile east of junction Big Lake-Sandfield road and side road to Windfall Lake, Manitoulin Island, Ontario.

*Cladopora (?)* sp.
Fig. spec. 30513
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 11, fig. 3.
Thornloe Formation, Middle Silurian, quarry northeast corner lot 12, con. IV, Dymond tp., Ontario.

*Coenites crassus* (Rominger)
Hypotypes 30530, 30531
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 12, figs. 6, 10.
Thornloe Formation, Middle Silurian, roadside exposure, lot 12, cons. V-VI road, Dymond tp., Ontario.

*Coenites rectilineatus* (Simpson)
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can. Econ. Geol. Rept. 1, pl. 8, fig. 24 [hypotype 15821]

*Columnaria columbia* Norford
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 8, fig. 23, 25 [ holotype 16524 a, b ].

Common phaceloid coral
Fig. spec. 26156
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. D, fig. 15.
Fossil Hill Formation, Middle Silurian, Fossil Hill [ G.S.C. locality 3917 ], Manitoulin Island, Ontario.

*Cyathophylloides* sp.
Fig. spec. 29588 a, b
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 3, figs. 2, 10.
Vauréal Formation, Upper Ordovician, main road approximately 10½ miles northeast of Port Menier, east of Lake Anne road, Anticosti Island, Quebe.

*Cyathophyllum pennanti* Billings
= *Entelophyllum pennanti*, Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 7, figs. 4, 5 [ syntype 3040 m ].

*Cyclochaetetes* sp. cf. *C. inflatus* (Lecompte)
Hypotypes 24659, 24660
Pedder, A.E.H., 1971, Geol. Surv. Can., Bull. 192, p. 64, pl. 11, figs. 1, 2; pl. 14, figs. 5, 7.
Nahanni Formation, Middle Devonian, Hudson's Bay Amerada Camsell A-37 well, lat. 61°46'9"N, long. 122°35'55"W, District of Mackenzie.

*Cylindrophyllum stummi* Oliver
Paratypes 24639, 24640, 24797, 24798
Oliver, W.A., Jr., 1971, Smithsonian Contr. Paleobiology no. 3, p. 195, pl. 2, figs. 4, 5 [ 24639 ].
Famine Formation, Middle Devonian, 0.6 mile north of east end of bridge in St. George, Quebec.

*Cystihalysites magnitubus* (Buehler)
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 8, fig. 18 [ hypotype 15757c ].

*Cystiphyllum niagarense* (Hall)
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 27 [ hypotype 20543 ].

*Cystiphyllum niagarense* (Hall)
Hypotype 30521
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 11, fig. 12.
Thornloe Formation, Middle Silurian, quarry northeast corner lot 12, con. IV, Dymond tp., Ontario.

*Dendrostella rhenana* (Frech)
= *Dendrostella trigemme*, McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, figs. 7, 8 [ hypotype 16553 ].

*Dendrostella trigeme* (Quenstedt)
Hypotypes 24661-24663
Pedder, A.E.H., 1971, Geol. Surv. Can., Bull. 192, p. 66, pl. 12, figs. 6-9.
Nahanni Formation, Middle Devonian, Hudson's Bay Amerada Camsell A-37 well, lat. 61°46'9"N. long. 122°35'55"W, District of Mackenzie.

*Dibunophyllum lambii* Bell
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 15, fig. 5 [ holotype 13589g ].

*Digonophyllum rectum* (Meek)
= *Mesophyllum (Digonophyllum) rectum*, McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 9, figs. 11, 12 [ hypotype 16529 ].

*Dinophyllum* (?) *umbonata* (Rominger)
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 30 [ hypotype 20521].

*Diphyphyllum astraeiforme* Warren
= *Thysanophyllum astraeiforme*, Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 13, fig. 2 [ lectotype 8911 ].

*Diplophyllum caespitosum* Hall

Hypotype 23582, a-e [ specimen and thin sections ]

Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photo 29.

Fossil Hill Formation, Middle Silurian, ridge in Long Bay Lodge area, southwest bay of Manitou Lake, Manitoulin Island, Ontario.

*Dohmophyllum grandicalyx* Pedder

Holotype 25816; paratypes 25817-25820; hypotype 25821

Pedder, A.E.H., 1971, Geol. Surv. Can., Bull. 197, p. 41, pl. 7, figs. 1-4; pl. 8, figs. 3, 5; pl. 15, figs. 1, 4.

Nahanni, Hume, and Headless Formations, Middle Devonian, Northern Funeral Range, lat. 61°41½'N, long. 125°05'W; right side of lower reaches of Meilleur River Valley, lat. 61°14'35"N, long. 124°38'25"W; Flyaway Creek, lat. 65°26'N, long. 132°04'W; and Prairie Creek headwaters, Manetoe Range, lat. 61°49½'N, long. 125°05'W, District of Mackenzie.

*Dohmophyllum muratum* Pedder

Holotype 25822; paratypes 25823, 25824

Pedder, A.E.H., 1971, Geol. Surv. Can., Bull. 197, p. 43, pl. 8, figs. 1, 2, 4; pl. 9, fig. 1.

Nahanni Formation, Middle Devonian, right side of lower reaches of Meilleur River Valley, lat. 61°14'35"N, long. 124°38'25"W, District of Mackenzie.

*Dohmophyllum mutabile* Pedder

Holotype 25825; paratypes 25826-25844

Pedder, A.E.H., 1971, Geol. Surv. Can., Bull. 197, p. 44, pl. 9, fig. 2; pl. 10, figs. 1, 2; pl. 11, figs. 1, 2; pl. 12, figs. 1-5; pl. 13, figs. 1-6.

Hume Formation, Middle Devonian, left bank Anderson River, lat. 68°31 3/4'N, long. 127°12½'W and lat. 68°31 2/3'N, long. 127°15'W; right bank Carnwath River, lat. 67°23'N, long. 127°44'W; scarp north of Echo Bend on Hare Indian River, lat. 66°20½'N, long. 127°17½'W; southwest side of Sam MacRae Lake, lat. 65°57'N, long. 127°15'W; East Mountain, lat. 65°41'N, long. 128°42'W; Mackenzie Mountain Front, right bank of small tributary of Arctic Red River, 8½ miles east of Arctic Red River, lat. 65°20½'N, long. 130°53'W; and left side Powell Creek Valley, lat. 65°16½'N, long. 128°46'W, District of Mackenzie.

*Ekvasophyllum inclination* Parks

Hypotype 21746

Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 12, fig. 17.

Mount Head Formation, Mississippion, lat. 50°34.4'N, long. 114°56'W, South Misty Range, Alberta.

*Endophyllum barbatum* Crickmay

Holotype 25588

Crickmay, C.H., 1960, The older Devonian faunas of the Northwest Territories, p. 12, pl. 7, figs. 6, 7.

Middle Devonian, lat. 56°3'N, long. 123°36'W, 2 miles north of Peace River, 12 miles below Finley Forks, British Columbia.

*Exilifrons excavata* Crickmay

Holotype 25538 a-c; paratype 25539 a-c

Crickmay, C.H., 1968, Lower Devonian and other coral species in northwestern Canada, Article 14, p. 5, pl. 1, figs. 7, 8 [ 25538 ] ; pl. 2, figs. 3-5 [ 25539 ], 6 [ 25538 ] .

Bear Rock equivalent, Lower Devonian, lat. 64°54'N, long. 134°57'W, between Royal Creek and Wind River, Yukon.

*Exilifrons exilis* Crickmay

Holotype 25533 a, b; paratypes 25534, 25535

Crickmay, C.H., 1968, Lower Devonian and other coral species in northwestern Canada, Article 14, p. 4, pl. 1, fig. 11 [ 25533 ]; pl. 2, figs. 1, 2, 9 [ 25534] ; pl. 3, fig. 5 [25533 ]; pl. 4, fig. 1 [ 25535 ].

Bear Rock equivalent, Lower Devonian, lat. 65°23'N, long. 138°24'W, Ogilvie River area, Yukon.

*Exilifrons horiae* Crickmay

Holotype 25540; paratypes 25541, 25542

Crickmay, C.H., 1968, Lower Devonian and other coral species in northwestern Canada, Article 14, p. 5, pl. 1, figs. 9, 10 [ 25540 ] ; pl. 4, figs. 2 [ 25541 ] , 3 [ 25542 ] , 4 [ 25540 ].

Bear Rock equivalent, Lower Devonian, lat. 68°11'N, long. 139°59'W, Yukon.

*Exilifrons ogilviensis* Crickmay

Holotype 25536 a, b; paratype 25537

Crickmay, C.H., 1968, Lower Devonian and other coral species in northwestern Canada, Article 14, p. 4, pl. 1, figs. 5, 6.

Bear Rock equivalent, Lower Devonian, lat. 65°37'N, long. 137°45'W, north side of Ogilvie Mountains between Ogilvie and Blackstone Rivers, Yukon.

*Faberophyllum* sp.

Fig. spec 21748

Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 13, fig. 5.

Mount Head Formation, Mississippian, lat. 50°39'N, long. 115°04'W, Alberta.

*Favistina* sp.

Fig. specs. 22556, 22557

Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 40, pl. 19, figs. 1, 2.

Wilderness Stage, Middle Ordovician, Braeside quarry, con. A., McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Favosites discoideus* (Roemer)

Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M. and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 8, fig. 11 [ hypotype 15822 ] .

*Favosites favosus* (Goldfuss)

Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M. and Sinclair, G.W., 1970, Geol. Surv. Can., Econ., Geol. Rept. 1, pl. 8, fig. 12 [ hypotype 15850 ] .

*Favosites favosus* (Goldfuss)

Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 19 [ hypotype 20542 ].

Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. D, fig. 18 .

*Favosites hispidus* (Rominger)

Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 28 [ hypotype 20551] .

*Favosites hispidus* Rominger

Hypotype 30526

Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 12, fig. 1.

Thornloe Formation, Middle Silurian, roadside exposure, lot 12, cons. V-VI road, Dymond tp., Ontario.

*Favosites* spp.

Fig. specs. 30463-30465, 30514, 30523, 30527

Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 7, figs. 3-8; pl. 11, figs. 4, 14; pl. 12, fig. 2.

Thornloe Formation, Middle Silurian, just east of Dawson Point wharf, Lake Timiskaming; Macnamara quarry and road-cut, lot 6, con. VI, Armstrong tp.; and roadside exposure, lot 12, cons. V-VI road, Dymond tp., Ontario.

*Foerstephyllum halli* (Nicholson)

Hypotype 22621, a, b

Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 39. pl. 20, figs. 1, 2.

Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Goniophyllum pyramidale* (Hisinger)

Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 17 [ hypotype 20536] .

*Goniophyllum pyramidale* (Hisinger)

Hypotype 23593

Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 21.

Fossil Hill Formation, Middle Silurian, shore of bay east-central Windfall Lake, Manitoulin Island, Ontario.

*Grewingkia rustica* (Billings)

Hypotype 27685

Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. B, fig. 9.

Georgian Bay Formation (Kagawong beds), Upper Ordovician, road exposure along boundary Howland and Bidwell tps., approximately 3½ miles west of Sheguiandah, Manitoulin Island, Ontario.

*Grypophyllum* cf. *G. gracile* Wedekind
= *Grypophyllum* cf. *G. wedekindi*, McLaren, D.J., Norris, A.W. and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 9, figs. 15, 16 [ hypotype 16532 ] .

*Grypophyllum* sp. cf. *G. wedekindi* Middleton
Hypotype 24666
Pedder, A.E.H., 1971, Geol. Surv. Can., Bull. 192, p. 69, pl. 14, figs. 4, 6.
Nahanni Formation, Middle Devonian, Hudson's Bay Amerada Camsell A-37 well, lat. 61°46'9"N, long. 122°35'55"W, District of Mackenzie.

*Haimeophyllum ordinatum* Billings
= *Chonostegites clappi*, Hill, D. and Jell, J.S., 1970, Proc. Royal Soc. Victoria, vol. 83, no. 2, p. 186, pl. 20, figs. 2 a-f [ hypotype 3444 ] .

*Halysites labyrinthicus* (Goldfuss)
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 31 [hypotype 20523 ] .

*Halysites labyrinthicus* (Goldfuss)
Hypotype 27703
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. D, fig. 2.
Fossil Hill Formation, Middle Silurian, road exposure ¾ mile east of Snowville, northwest of Tehkummah, Manitoulin Island, Ontario.

*Halysites nitida* Lambe
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M. and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 8, figs. 20, 21 [ hypotype 15825, a ] .

*Halysites occidens* Norford
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M. and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 8, fig. 15 [holotype 14484 ] .

*Heliolites* sp. aff. *H. distans* Foerste
Hypotype 27706
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. D, figs. 7, 8.
Fossil Hill Formation, Middle Silurian, end of Sandfield-Tehkummah tps. boundary road, lots 3-4, con. I, Sandfield tp., Manitoulin Island, Ontario.

Heliolitid undet.
Fig. spec. 30432
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 4, figs. 1, 2.
Thornloe Formation, Middle Silurian, northeastern shore of Mann Island, Lake Timiskaming, Quebec.

*Heliophyllum exiguum* Billings
= *Aemulophyllum exiguum*, McLaren, D.J., Norris, A.W. and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, figs. 43, 44 [ syntype 3424 ].

*Heliophyllum* sp. cf. *H. proliferum* Hall
Hypotype 24641
Oliver, W.A., Jr., 1971, Smithsonian Contr. Paleobiology no. 3, p. 198, pl. 3, figs. 3, 4.
Famine Formation, Middle Devonian, 0.6 mile north of east end of bridge in St. George, Quebec.

*Heterophrentis* sp. 2
Fig. spec. 24799
Oliver, W.A., Jr., 1971, Smithsonian Contr. Paleobiology no. 3, p. 198, pl. 2, figs. 1, 8.
Famine Formation, Middle Devonian, 0.6 miles north of east end of bridge in St. George, Quebec.

*Isastrea whiteavesi* Clapp and Shimer
= *Elysastraea profunda*, Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 18, fig. 13 [ hypotype 7807 ].

*Kakwiphyllum* cf. *dux* Sutherland
= *Vesiculophyllum* sp., Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 12, fig. 13 [ hypotype 10570 ].

*Ketophyllum*? *rectus* (Hume)
Hypotypes 30486, 30487
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 9, figs. 3, 4.
Thornloe Formation, Middle Silurian, Macnamara quarry, lot 6, con. VI, Armstrong tp., Ontario.

*Kionelasma spongaxis* (Rominger)
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. D, fig. 13 [ hypotype 20516].

*Kionelasma spongaxis* (Rominger)
Hypotype 23592
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 13.
Fossil Hill Formation, Middle Silurian, along road 0.2 miles east of east-central shore Otter Lake, Manitoulin Island, Ontario.

*Kozlowiaphyllum* cf. *Australophyllum* (?) cf. *A.* (?) *thomasae* of McLaren, 1964
Hypotypes 24664, 24665
Pedder, A.E.H., 1971, Geol. Surv. Can., Bull. 192, p. 68, pl. 12, figs. 1-4.
Nahanni Formation, Middle Devonian, Hudson's Bay Amerada Camsell A-37 well, lat. 61°46'9"N, long. 122°35'55"W, District of Mackenzie.

*Kraterostrobilos bathys* Crickmay
Holotype 25686; paratype 25687
Crickmay, C.H., 1930, Bull. Dept. Geol. Sci., Univ. Calif., vol. 19, no. 2, p. 40, pl. 2, figs. f, g, i.
Ntlakapamux Formation, Jurassic, small ravine near bottom of west slope of Rattlesnake Hill, 3 3/8 miles N38°E of Ashcroft Bridge, British Columbia.

*Lambeophyllum profundum* (Conrad)
Hypotypes 22540-22546, 22619
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 36, pl. 17, figs. 7-12.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Latomeandra orthogrammica* Crickmay
Holotype 27735; paratype 27736
Crickmay, C.H., 1933, Bull. Geol. Soc. Amer., vol. 44, no. 5, p. 903, pl. 23, figs. 1-3.
Mormon Formation, Jurassic, southwest side of Mount Jura, elevation 4,300 feet, California, U.S.A.

*Lichenaria typa* Winchell and Schuchert
Hypotype 22622
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 40, pl. 20, fig. 3.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Lithostrotion (Siphonodendron) genevievensis* Eaton
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 13, fig. 8 [ thin section GSC no. 16844 of hypotype, Univ. Alberta no. 344 ].

*Lithostrotion macouni* Lambe
= *Lithostrotionella macouni*, Armstrong, A.K., 1970, U.S. Geol. Surv., Prof. Paper 664, p. 23, pl. 12, figs. 1-6; text-fig. 27 [ syntype 4327 ].

*Lithostrotion (Siphonodendron) mutabile* (Kelly)
Hypotype 22065
Macqueen, R.W. and Bamber, E.W., 1968, Geol. Surv. Can., Paper 67-47 (1967), pl. 1, figs. 9 a-d.
Lower Livingstone Formation, 65 feet above base, Mississippian, Mount Hood, Alberta.

*Lithostrotion (Siphonodendron) oculinum* Sando
Hypotype 21744
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 12, figs. 14 a, b.
Debolt Formation, Mississippian, Gulf States Chuatse Creek No. 1 well, northeastern British Columbia.

*Lithostrotion (Siphonodendron) oculinum* Sando

Hypotypes 22069, 22070

Macqueen, R.W. and Bamber, E.W., 1968, Geol. Surv. Can., Paper 67-47 (1967), pl. 1, figs. 13 a,b, 14 a, b.

Uppermost Shunda Formation, 18 feet below top, and upper Turner Valley Formation, 62 feet below top, Mississippian, Mount White and Clearwater River, Alberta.

*Lithostrotion (Siphonodendron)* cf. *pauciradiale* (McCoy)

Hypotype 21750

Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 13, fig. 7.

Etherington Formation, Mississippian, Taylor Range, 12,000 feet at bearing of 230° from Flathead Pass, Alberta.

*Lithostrotion (Siphonodendron) sinuosum* (Kelly)

Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 12, figs. 15 a, b [ thin section GSC no. 16843 of hypotype, Univ. Alberta no. 343].

*Lithostrotion (Siphonodendron) sinuosum* (Kelly)

Hypotypes 22067, 22068

Macqueen, R.W. and Bamber, E.W., 1968, Geol. Surv. Can., Paper 67-47 (1967), pl. 1, figs. 11 a-c, 12 a,b.

Lower Livingston Formation, 143 feet above base, and Salter Member, Mount Head Formation, 131 feet above base, Mississippian, Lake Minnewanka and Stoney Creek, Palliser Range, Alberta.

*Lithostrotion (Siphonodendron) whitneyi* Meek

Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 13, fig. 1 [ thin section GSC no. 16832 of hypotype, Univ. Alberta no. 323 ].

*Lithostrotionella micra* Kelly

Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ., Geol. Rept. 1, pl. 12, figs. 11 a-c [ holotype 9648 ].

*Lithostrotionella micra* Kelly

Hypotype 22066

Macqueen, R.W. and Bamber, E.W., 1968, Geol. Surv. Can., Paper 67-47 (1967), pl. 1, figs. 10 a, b.

Upper Pekisko Formation, 203 feet above base, Mississippian, Ghost River, Alberta.

*Lithostrotionella microstylum* (White)

Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 12, figs. 8 a, b [ hypotype 16840 ].

*Lithostrotionella microstylum* (White)

Hypotype 22064

Macqueen, R.W. and Bamber, E.W., 1968, Geol. Surv. Can., Paper 67-47 (1967), pl. 1, figs. 8 a-c.

Upper Banff Formation, 6 feet below top, Mississippian, Sheep Creek, Alberta.

*Lithostrotionella pennsylvanica* (Shimer)

Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 12, figs. 18 a, b [ thin section GSC no. 16829 of hypotype, Univ. Alberta no. 320 ].

*Lophophyllum ? cascadense* Warren

= *Ekvasophyllum cascadense*, Bamber, E.W., 1969, Geol. Surv. Can., Bull. 182, p. 109, pl. 13, figs. 6-8 [ lectotype 8910 ], 9 [ syntype 8910a ].

*Macgeea proteus* Smith

= *Pterorrhiza proteus*, McLaren, D.J., Norris, A.W. and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, figs. 29, 30 [16540].

*Mackenziephyllum insolitum* Pedder

Holotype 24657; paratype 24658

Pedder, A.E.H., 1971, Geol. Surv. Can., Bull. 192, p. 48, pl. 5, fig. 1; pl. 8, fig. 1; pl. 9, figs. 2-4; pl. 10, figs. 1, 2.

Hume Formation, Middle Devonian, right bank Carnwarth River, lat. 67°23'N, long. 127°44'W, District of Mackenzie.

*Manipora sp.*

= *Tollina* sp., Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M. and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 5, fig. 17 [ fig. spec. 16915 ].

*Migmatophyllum lenzi* Pedder

Holotype 25867

Pedder, A.E.H., 1971, Geol. Surv. Can., Bull. 197, p. 15, pl. 3, figs. 2, 3, 5, 6; text figs. 2, 3.

Prongs Creek Formation, Upper Silurian, Prongs Creek, Wernecke Mountains, approximately lat. 65°18'N, long. 135°40'W, Yukon.

*Multisolenia tortuosa* Fritz

Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M. and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 8, fig. 22 [ hypotype 10485 ].

Bolton, T.E. and Copeland, M.J., 1972, ibid., Paper 72-15, pl. 3, figs. 5, 6 [ hypotypes 18740, 18739 ].

*Palaeofavosites asper* (D'Orbigny)

Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photo 20 [ hypotype 20481].

*Palaeofavosites sp.*

Fig. spec. 29660 a, b.

Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 7, figs. 7, 12.

Becscie Formation, Middle Silurian, south bank Salmon River, 19.4 miles above mouth, Anticosti Island, Quebec.

*Palaeofavosites* sp.
Fig. specs. 30426 a-c, 30427, 30462
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 3, figs. 1-4; pl. 7, figs. 1, 2.
Thornloe Formation, Middle Silurian, Macnamara quarry, lot 6, con. VI, Armstrong tp., Ontario.

*Palaeophyllum multicaule* (Hall)
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M. and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 7, fig. 22 [ hypotype 17092 ].

*Palaeophyllum umbellicrescens* Chadwick
Hypotype 27694 a, 27697
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. C, figs. 7, 20.
Manitoulin Formation, Lower Silurian, Bidwell road ¼ mile northwest of Bidwell tp. line and "Devils Needle", Manitoulin Island, Ontario.

*Palaeophyllum vaurealensis* Twenhofel
Hypotype 29592 a, b
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 3, figs. 6, 11.
Vauréal Formation, Upper Ordovician, main road approximately 6½ miles northeast of Port Menier, Anticosti Island, Quebec.

*Palaeophyllum (Cyathophylloides?) williamsi* Chadwick
= *Palaeophyllum williamsi*, Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M. and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 7, fig. 21 [ holotype 4508 ].

*Palaeophyllum williamsi* Chadwick
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photo 15 [ hypotype 20494 ].

*Palaeophyllum* sp.
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M. and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 5, figs. 19, 20 [ fig. specs. 16910, 16911 ].

*Palaeophyllum* sp.
Fig. spec. 23566 a, b [ specimen and thin-sections ]
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photos 9, 10.
Manitoulin Formation, Lower Silurian, ridge on Bidwell road, con. I-II, Assiginack tp., ¾ mile east of Manitou Lake, Manitoulin Island, Ontario.

*Palaeophyllum* sp.
Fig. spec. 29663
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 7, fig. 10.
Becscie Formation, Middle Silurian, Jupiter River road rise south of first tributary north of 24-mile lodge, Anticosti Island, Quebec.

*Paleoalveolites carterensis* (Bassler)
Hypotypes 22554, 22555
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 37, pl. 19, figs. 3-6.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Paleofavosites asper* (D'Orbigny)
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. C, fig. 11 [ hypotype 17961] .

*Phillipsastrae affinis* Billings
= *Billingsastraea affinis*, McLaren, D.J., Norris, A.W. and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 11, fig. 20 [ holotype 3270 ].

*Porpites michiganensis* (Bassler)
Hypotypes 23589, a
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 3.
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. D, fig. 11.
Fossil Hill Formation, Middle Silurian, junction of Manitowaning - South Baymouth and The Slash roads, lot 4, con. II, Assiginack tp., Manitoulin Island, Ontario.

*Porpites* sp.
Fig. specs. 29745, 29746
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 12, figs. 13, 16, 21.
Chicotte Formation, Middle Silurian, Brick River road 2.3 miles south of creek draining into Brick River from the west, Anticosti Island, Quebec.

*Propora glabra* (Owen)
Hypotypes 30529, 30535
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 12, figs. 4, 5.
Thornloe and Fossil Hill Formations, Middle Silurian, roadside exposure, lot 12, cons. V-VI road, Dymond tp., Lake Timiskaming region and hillside section cons. XIV-XV road northeast of The Slash, Manitoulin Island, Ontario.

*Propora* spp.
Fig. specs. 29591 a, b, 29606 a, b, 29642 a, b, 29645 a, b, 29658 a, 29659 b, 29707 a, b.
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 3, figs. 5, 8; pl. 4, figs. 8, 13; pl. 6, figs. 5, 9-11; pl. 7, figs. 6, 17; pl. 10, figs. 2, 3.
Vauréal and Ellis Bay Formations, Upper Ordovician, Ste. Marie road, flats in front of fire tower [ 29591 ] ; coastal section at Pointe Laframboise [ 29606 ] ; and south bank Salmon River, approximately 6 [ 29642 ] and 8 [ 29645 ] miles above mouth. Becscie and Jupiter Formations, Middle Silurian, Jupiter River road, 2.6 [ 29658 ] and 3.7 [ 29659 ] miles south of north branch of Jupiter River crossing; and Jupiter River fire tower - Southwest Point road, 5.7 miles south of fire tower, Anticosti Island, Quebec.

*Psydracophyllum lonsdaleiaforme* Pedder

Holotype 25845; paratypes 25846-25866

Pedder, A.E.H., 1971, Geol. Surv. Can., Bull 197, p. 47, pl. 14, fig. 1; pl. 15, figs. 2, 3, 5, 6; text-figs. 6-14.

Nahanni and Headless Formations, Middle Devonian, Northern Funeral Range, lat. 61°41½'N, long. 125°05'W; Prairie Creek headwaters, Manetoe Range, lat. 61°49½'N, long. 125°05'W; South Ram River canyon, lat. 61°46'N, long. 123°58'W; central Manetoe Range, lat. 62°01½'N, long. 125°06'W; upper Prairie Creek, lat. 61°42'N, long. 124°58'W; and right side of lower reaches of Meilleur River Valley, lat. 61°14'35"N, long. 124°38' 25"W, District of Mackenzie.

*Ptychophyllum* (?) sp.

Fig. spec. 30515

Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 11, fig. 5.

Thornloe Formation, Middle Silurian, roadside exposure, lot 12, cons. V-VI road, Dymond tp., Ontario.

*Rhabdocyclus* sp.

Fig. spec. 23588

Bolton, T.E., 1968, Guidebook – The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photos 1, 2.

Fossil Hill Formation, Middle Silurian, east of road forming lots 10-11, con. VI, Assiginack tp., south of Manitou Lake, Manitoulin Island, Ontario.

*Rhabdocyclus* (?)sp.

Fig. spec. 23590

Bolton, T.E., 1968, Guidebook – The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 11.

Fossil Hill Formation, Middle Silurian, road-cut northeast of The Slash, lot 5, con. XIII, Assiginack tp., Manitoulin Island, Ontario.

*Romingerella major* (Rominger)

Bolton, T.E., 1968, Guidebook – The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 20 [hypotype 20537]

Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. D, fig. 12.

*Sibiriolites sibiricus* Sokolov

Hypotypes 25524-25526

Norford, B.S., 1971, Geol. Surv. Can., Bull. 197, p. 6, pl. 1, figs. 3, 4; pl. 2, figs. 1-5.

Zebra Cliffs Formation, Upper Ordovician, 2.3 miles due east of M'Clintock Inlet, lat. 82°32'N, long. 75°34'W, and 1.5 miles due west of M'Clintock Inlet and 1.3 miles south of Egingwah Bay, lat. 82°45'N, long, 76°54'W, Ellesmere Island, Arctic.

*Siphonophrentis* sp. cf. *S. yandelli* (Edwards and Haime)
Hypotype 24642
Oliver, W.A., Jr., 1971, Smithsonian Contr. Paleobiology no. 3, p. 198, pl. 2, figs. 9, 10.
Famine Formation, Middle Devonian, 0.6 mile north of east end of bridge in St. George, Quebec.

*Sociophyllum glomerulatum* (Crickmay) small var.
Hypotypes 24667-24670
Pedder, A.E.H., 1971, Geol. Surv. Can., Bull. 192, p. 70, pl. 12, fig. 5; pl. 13, figs. 1, 2; pl. 14, figs. 1-3.
Nahanni Formation, Middle Devonian, Hudson's Bay Amerada Camsell A-37 well, lat. 61°46'9"N, long. 122°35'55"W, District of Mackenzie.

*Spongaria parca* Crickmay
Holotype 25530
Crickmay, C.H., 1968, Lower Devonian and other coral species in northwestern Canada, Article 14, p. 1, pl. 1, figs. 1, 2; pl. 2, figs. 7, 8.
Bear Rock equivalent, Lower Devonian, lat. 65°23'N, long. 138°24'W, Ogilvie River area, Yukon.

*Spongaria philoctetes* Crickmay
Holotype 25531 a, b
Crickmay, C.H., 1968, Lower Devonian and other coral species in northwestern Canada, Article 14, p. 2, pl. 3, figs. 1, 2.
Bear Rock equivalent, Lower Devonian, near Cross Mountains, Yukon.

*Spongaria richardsonensis* Crickamy
Holotype 25532 a-c
Crickmay, C.H., 1968, Lower Devonian and other coral species in northwestern Canada, Article 14, p. 2, pl. 1, figs. 3, 4; pl. 3, figs. 3, 6.
Bear Rock equivalent, Lower Devonian, near White Dome, Yukon.

*Streptelasma corniculum* Hall
Hypotype 21948
Sinclair, G.W., Copeland, M.J. and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guidebook 3, photo 7, figs. 1, 2.
Middle Ordovician, Lakefield quarry, Ontario.

*Streptelasma prolongatum* Wilson
= *Lobocorallium prolongatum*, Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M. and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 5, fig. 1 [ hypotype 16917 ].

*Streptelasma* sp.
Bolton, T.E., 1968, Guidebook – The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photo 2 [ fig. spec. 20480 ].

*Streptelasma* sp.
Fig. spec. 27698
Bolton, T.E. and Coepland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. C. fig. 18.
Manitoulin Formation, Lower Silurian, north end of road exposure ½ mile southwest of Y-junction near east shore of South Bay, Indian Reserve No. 26, Manitoulin Island, Ontario.

*Stringophyllum ( Neospongophyllum? )* sp. J
= *Sociophyllum glomerulatum*, McLaren, D.J., Norris, A.W. and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 9, figs. 17, 18 [ hypotype 16535; not 16551 ].

*Strombodes* sp.
Fig. spec. 30435
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 4, figs. 5, 6.
Thornloe Formation, Middle Silurian, northeastern shore of Mann Island, Lake Timiskaming, Quebec.

*Syringopora annulata* Rominger
Hypotype 23586
Bolton, T.E., 1968, Guidebook – The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photo 41.
Amabel Formation, Middle Silurian, main highway 2½ miles east of Providence Bay, Manitoulin Island, Ontario.

*Syringopora dalmanii* Billings
Hypotype 30532
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 12, fig. 8.
Thornloe Formation, Middle Silurian, roadside exposure, lot 12, cons. V-VI road, Dymond tp., Ontario.

*Syringopora* sp. cf. *S. retiformis* Billings
Hypotype 30436
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 4, fig. 7.
Thornloe Formation, Middle Silurian, northwest corner of Macnamara quarry, lot 6, con. VI, Armstrong tp., Ontario.

*Syringopora timiskamingensis* Hume
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 11, fig. 11 [ holotype 9103 ].

*Syringopora verticillata* Goldfuss
Hypotype 30433
Bolton, T.F. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 4, fig. 3.
Thornloe Formation, Middle Silurian, Mann Island, Lake Timiskaming, Quebec.

*Tabulophyllum mcconnelli* (Whiteaves)

McLaren, D.J., Norris, A.W. and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, figs. 34, 35 [ hypotype 16531 ].

*Temnophyllum decaeni* Pedder

Holotype 29799; paratype 29800-29806

Pedder, A.E.H., 1972, J. Pal., vol. 46, no. 5, p. 703, pl. 2, figs. 7, 9, 12, 13, 15; pl. 3, fig. 5; text-figs. 4 a-c.

Ramparts Formation, Middle Devonian, northern flank of the Bat Hills Anticline, lat. 65°46'N, long. 128°39'W; small lake 8 miles west of Fort Good Hope, lat. 66°16½'N, long. 128°52'W; left bank of Mackenzie River at the Ramparts, 5½ miles upstream from Fort Good Hope, lat. 66°13½'N, long. 128°50'W; and East Mountain, lat. 65°41'N, long. 128°42'W, District of Mackenzie.

*Temnophyllum lenzi* Pedder

Holotype 29807; paratypes 29808, 29809

Pedder, A.E.H., 1972, J. Pal., vol. 46, no. 5, p. 706, pl. 2, figs. 1, 6; pl. 3, fig. 3; text-figs. 6 a, b.

Ramparts Formation, Middle/Upper Devonian, Kee Scarp, 4 miles northeast of Norman Wells, lat. 65°18 1/3'N, long. 126°42'W, District of Mackenzie.

*Temnophyllum macconnelli* Pedder

Holotype 29810; paratype 29811-29815

Pedder, A.E.H., 1972, J. Pal., vol. 46, no. 5, p. 705, pl. 2, figs. 2-5, 8, 11; pl. 3, fig. 2; text-figs. 5 a, b.

Sulphur Point Formation, Middle/Upper Devonian, Imperial Sun Arrowhead I-46 well, lat. 60°45'37"N, long. 122°22'47"W and Union Pan Am Trainor L-59 well, lat. 60°28'33"N, long. 120°40'50"W, District of Mackenzie.

*Temnophyllum richardsoni* (Meek)

Hypotypes 29786-29798

Pedder, A.E.H., 1972, J. Pal., vol. 46, no. 5, p. 701, pl. 1. figs. 4, 5, 8-10; pl. 2, figs. 10, 14; pl. 3, figs. 1, 6; text-figs. 3 a, b.

Ramparts Formation, Middle Devonian, small tributary flowing northwestwards into the right side of Mackenzie River at downstream end of the Ramparts, lat. 66°14'N, long. 128°40'W; right and left banks of Mackenzie River at the Ramparts, 3 and 5½ miles upstream from Fort Good Hope, lat. 66°13¾'N, long. 128°43¾'W and lat. 66°13½'N, long. 128°50'W; northern flank of the Bat Hills Anticline, lat. 65°46'N, long. 128°39'W; East Mountain, lat. 65°41'N, long. 128°42'W; and left side of Powell Creek Valley, lat. 65°16½'N, long. 128°46'W, District of Mackenzie.

*Tetradium clarki* Okulitch

Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M. and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 4, fig. 2 [ hypotype 7397 c ].

*Tetradium clarki* Okulitch
Hypotype 22551, a, b [ specimen and thin sections ]
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 38, pl. 18, fig. 1.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Tetradium columnare* (Hall)
Hypotypes 22552, a-c, 22553
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 39, pl. 20, figs. 4-6.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Tetradium fibratum* Safford
Hypotypes 22547-22550
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 38, pl. 18, figs. 2-4.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Tetradium fibratum* Safford
Hypotype 27675
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. A, fig. 17.
Lindsay Formation, Middle Ordovician, road-cut at south end of highway-railroad bridge, Little Current, Manitoulin Island, Ontario.

*Utaratuia laevigata* Crickmay
McLaren, D.J., Norris, A.W. and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 9, figs. 13, 14 [ hypotype 16541 ].

*'Vermipora niagarensis* Rominger'
Hypotype 23591
Bolton, T.E., 1968, Guidebook — The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 12.
Fossil Hill Formation, Middle Silurian, Gore Bay-Poplar road, 4.8 miles south of main highway, Manitoulin Island, Ontario.

*"Vermipora niagarensis* Rominger"
Hypotype 27705
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. D, fig. 5.
Fossil Hill Formation, Middle Silurian, 0.3 miles south of Manitowaning — South Baymouth highway, lot 9, con. I, Assiginack tp., Manitoulin Island, Ontario.

*"Vermipora niagarensis* Rominger"
Hypotype 30517
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 11, fig. 7.
Thornloe Formation, Middle Silurian, roadside exposure, lot 12, cons. V-VI road, Dymond tp., Ontario.

*Xystriphyllum pridolicum* Pedder

Holotype 25868

Pedder, A.E.H., 1971, Geol. Surv. Can., Bull. 197, p. 17, pl. 3, figs. 1, 4; text-figs. 4, 5.

Prongs Creek Formation, Upper Silurian, Prongs Creek, Wernecke Mountains, approximately lat. 65°18'N, long. 135°40'W, Yukon.

*"Zaphrentis" anticostiensis* Twenhofel

Hypotype 29657

Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 7, fig. 5.

Becscie Formation, Middle Silurian, Jupiter River road near top of escarpment north of 24-mile lodge, Anticosti Island, Quebec.

*Zaphrentis canadensis* Billings

= *Grewingkia rustica*, Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. B, fig. 11 [ hypotype 1983 b ].

## ECHINODERMATA

*Arachnocrinus canadensis* Whiteaves

Hypotype 24862

Mitchell, S.W., 1970, Michigan Academician, vol. 2, no. 3, pl. 1, fig. 6,

Hay River Formation, Upper Devonian, talus blocks in woods about 100 feet below cliff at Mile 28, Mackenzie Highway, 1/8 mile southeast of Enterprise, Northwest Territories.

Blastoid species and genus indeterminate

Fig. spec. 20695

Macurda, D.B., Jr., 1967, J. Pal., vol. 41, no. 5, p. 1282, text-figs. 1A, B.

Assistance Formation, Permian, eastern Sabine Peninsula, Melville Island, Arctic.

*Brockocystis tecumseth* (Billings)

Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin, Geol. Soc. Ann. Field Excursion, fig. 12, photos 1 [neotype 8447], 8 [hypotype 20468]

Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. C, figs. 8 [ 20468 ], 19 [ 8447 ].

*Callocystites jewetti* Hall

Paul, C.R.C., 1968, Palaeontology, vol. 11, pt. 5, pl. 136, fig. 2 [ hypotype 14686 ].

*Carbocrinus huronensis* Foreste

Hypotypes 27671, a, b, 27672

Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. A, figs. 14, 21.

Verulam Formation, Middle Ordovician, road-cut north end of Goat Island, Ontario.

*Caryocinites ornatus* Say

Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 7, fig. 7 [ hypotype 2656d ].

*Cheirocrinus anatiformis* (Hall)
Hypotypes 21101, 21102
Paul, C.R.C., 1968, Palaeontology, vol. 11, pt. 5, pl. 135, figs. 9, 12.
Tetreauville Formation, Middle Ordovician, Montreal East, Quebec.

*Cremacrinus lucifer* Bolton
Holotype 24517
Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 62, pl. 13, figs. 2, 3.
Basal rubbly limestone unit, Farr Formation, Liskeard Group, Middle Ordovician, abandoned 'Shipyards' on Match Factory quarry 50 feet southwest of Ontario Northland Railway tracks, lot 10, con. V, Bucke tp., between New Liskeard and Haileybury, Ontario.

*Cremacrinus* sp.
Fig. spec. 21952
Sinclair, G.W., Copeland, M.J. and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 7, fig. 10.
Middle Ordovician, Lakefield quarry, Ontario.

Crinoid attachment discs
Fig. specs. 22608-22611
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, pl. 16, figs. 5-9.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Cupulocrinus jewetti* (Billings)
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Rept. 1, pl. 4, fig. 12 [ hypotype 7784z ].

*Cupulocrinus jewetti* (Billings)
Hypotype 21100
Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 63, pl. 13, fig. 12.
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. A, fig. 22.
Verulam Formation, Middle Ordovician, west side of road-cut north end of Goat Island, Manitoulin Island area, Ontario.

*Cupulocrinus* sp.
Fig. specs. 24518, 24519
Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 63, pl. 13, fig. 14.
Basal rubbly limestone unit, Farr Formation, Liskeard Group, Middle Ordovician, abandoned 'Shipyards' or Match Factory quarry, 50 feet southwest of Ontario Northland Railway tracks, lot 10, con. V, Bucke tp., between New Liskeard and Haileybury, Ontario

*Cupulocrinus* sp.
Fig. spec. 29564
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 1, fig. 4.
Vauréal Formation, Upper Ordovician, section in bank ¾ mile west of Pte. à l'epinette, Anticosti Island, Quebec.

*Cyclocystoides* sp. cf. *C.* halli Billings
Hypotype 21099
Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 63, pl. 13, figs. 5, 8.
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. A, fig. 10.
Verulam Formation, Middle Ordovician, east side of road-cut north end of Goat Island, Manitoulin Island area, Ontario.

*Dendrocrinus* sp.
Fig. spec. 21950
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 7, fig. 5.
Middle Ordovician, Lakefield quarry, Ontario.

*Dimerocrinites elegans* Springer
Hypotypes 29710, 29721
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 10, fig. 6; pl. 11, fig. 2.
Jupiter Formation, Middle Silurian, creek crossing area 1.6 miles west along first southwest road south of Jupiter fire tower, Anticosti Island, Quebec.

*Dimerocrinus* sp.
Hypotype 24523
Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 64.
Thornloe Formation, Middle Silurian, Burnt or Mann Island, Lake Timiskaming, Quebec.

*Ectenocrinus* n. sp.
Fig. spec. 22605
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, pl. 16, figs. 10, 11.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A., McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Edrioaster* sp.
Fig. spec. 17087
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 4, fig. 13.
Middle Ordovician, old railroad-cut 1,000 feet north of road, 1 miles west of Gamebridge, Ontario.

*Foerstediscus* cf. *grandis* Bassler
Hypotype 22612-22614
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, pl. 17, figs. 21-23.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Gasterocoma*? *bicaula* Johnson and Lane
Hypotypes 20691, a
McLaren, D.J., Norris, A.W. and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 9, figs. 4, 5.
Ogilvie Formation, Middle Devonian, lat. 66°15'N, long. 139°15'W, near Mines River, Yukon.

*Glyptocystites* sp. cf. *G. grandis* Sinclair
Hypotype 21949
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 7, fig. 3.
Middle Ordovician, Lakefield quarry, Ontario.

*Glyptocystites multipora* Billings
= *Glyptocystites multiporus*, Paul, C.R.C., 1968, Palaeontology, vol. 11, pt. 5, pl. 135, fig. 11 [ lectotype 1387g ].

*Hemicystites hawkesi* Bolton
Holotype 24507; paratypes 24508-24514, a-g, 24515, a-d, 24516, a-g.
Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 61, pl. 12, figs. 1-3, 5; pl. 13, figs. 7, 9, 11, 13.
Bolton, T.E. and Copeland, M.J., 1972, ibid., Paper 72-15, pl. 1, figs. 12, 18 [ 24510, 24509 ].
Wabi Formation, Middle Silurian, Evanturel Creek, ½ to 1 miles south and about 200 feet north of road between Heaslip and Kap-Kig-Iwan Provincial Park, south of Englehart, Ontario.

*Hemicystites pleiadae* Sinclair and Bolton
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 3, fig. 1 [ holotype and paratype 14680 ].

*Iocrinus subcrassus* (Meek and Worthen)
Hypotype 27686
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. B, fig. 15.
Georgian Bay Formation (Wekwemikongsing beds), Upper Ordovician, lot 11, con. XI, Howland tp. on Highway 68 approximately 3 miles south of Little Current, Manitoulin Island, Ontario.

*Lichenocrinus* sp.
Fig. spec. 21951
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 7, fig. 6.
Middle Ordovician, Lakefield quarry, Ontario.

*Macnamaratylus murrayi* Bolton

Holotype 24524; paratype 24525

Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 64, pl. 13, fig. 1, 4, 6, 10.

Bolton, T.E. and Copeland, M.J., 1972, ibid., Paper 72-15, pl. 8, fig. 15 [ 24524 ].

Thornloe Formation, Middle Silurian, Macnamara Construction Company quarry, 6 miles south of Englehart River bridge, east side Highway 11, lot 6, con. VI, Armstrong tp., Ontario.

*Malocystites murchisoni* Billings

Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 4, fig. 5 [ syntype 1012a ].

New crinoid genus, aff. *Archaeocrinus*

Fig. specs. 22603, 22604, 22606

Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, pl. 16, figs. 1-4, 12.

Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Palaeocoma spinosa* Billings

= *Taeniaster spinosus*, Hotchkiss, F.H.C., 1970, Proc. Biol. Soc. Washington, vol. 83, no. 5, p. 63, figs. 8 [ lectotype 1404 ], 9 [ paralectotype 1404b ].

= ?*Protasterina* sp., Hotchkins, F.H.C., 1970, ibid., p. 73, fig. 10 [ hypotype 1404a ].

*Pleurocystites anticostiensis* Billings

Hypotype 29563

Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 1, fig. 4.

Vauréal Formation, Upper Ordovician, section in bank ¾ mile west of Pte. à l'epinette, Anticosti Island, Quebec.

*Pleurocrystites distans* Bolton

Holotype 24506

Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 61, pl. 11, fig. 1.

20 feet above base of massive limestone unit, Farr Formation, Liskeard Group, Middle Ordovician, 'Shipyards' quarry, 50 feet southwest of Ontario Northland Railway tracks, lot 10, con. V, Bucke tp., between New Liskeard and Haileybury, Ontario.

*Pleurocystites elegans* Billings

= *Pleurocystites squamosus*, Parsley, R.L., 1970, Bull. Am. Pal., vol. 58, no. 260, p. 161, pl. 21, fig. 1 [ hypotype 1382 ].

= *Pleurocystites filitextus*, Parsley, R.L., 1970, ibid., p. 167, pl. 25, figs. 5-7 [ hypotype 1382b, c, a ].

*Pleurocystites filitextus* Billings

Parsley, R.L., 1970, Bull. Am. Pal., vol. 58, no. 260, p. 167, pl. 25, figs. 3, 4 [ holotype 1400 ].

*Pleurocystites* cf. *filitextus* Billings
= *Pleurocystites* cf. *P. filitextus*, Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 4, fig. 11 [ hypotype 17696 ] .
= *Pleurocystites filitextus*, Parsley, R.L., 1970, Bull. Am. Pal., vol. 58, no. 260, p. 167, pl. 25, fig. 8.

*Pleurocystites laevis* Raymond
= *Amecystis laevis*, Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming , L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 4, fig. 9 [ holotype 7936 ] .
Parsley, R.L., 1970, Bull. Am. Pal., vol. 58, no. 260, p. 192, pl. 29, fig. 1.

*Pleurocystites robustus* Billings
= *Pleurocystites squamosus*, Parsley, R.L., 1970, Bull. Am. Pal., vol. 58, no. 260, p. 161, pl. 21, fig. 2 [ hypotype 1384 ] .

*Pleurocystites squamosus* Billings
Parsley, R.L., 1970, Bull. Am. Pal., vol. 58, no. 260, p. 161, pl. 21, figs. 3-5 [ syntypes 1381, a, b ] ; pl. 23, fig. 6 [ 1381c ] ; pl. 24, fig. 3 [ 9064 ].

*Pleurocystites squamosus* Billings
Hypotypes 24502, a-c-24505
Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 60, pl. 11, figs. 2, 4.
Farr Formation, Liskeard Group, Middle Ordovician, north-south road west of Farr quarry, lots 10-11, con. III, Bucke tp., ½ miles west of Haileybury; 'Shipyards' quarry, 50 feet southwest of Ontario Northland Railway tracks, lot 10, con. V, Bucke tp. between New Liskeard and Haileybury; and ridge exposure lots 8-9, con. IV, Bucke tp., Ontario.

*Porocrinus conicus* Billings
Kesling, R.V. and Paul, C.R.C., 1968, Contrib. Mus. Pal., Univ. Michigan, vol. 22, no. 1, p. 26, pl. 6, figs. 1-5; text fig. 11 [ syntype 1423d ] .

*Porocrinus conicus* Billings
Hypotype 22888
Kesling, R.V. and Paul, C.R.C., 1968, Contrib. Mus. Pal., Univ. Michigan, vol. 22, no. 1, p. 26, pl. 7, figs. 1-5; text fig. 12.
Galena Formation, Trenton Group, Middle Ordovician, Duck Creek, Wisconsin, U.S.A.

*Protaxocrinus amii* Bolton
Holotype 24520; paratypes 24520a-e-24522
Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 63, pl. 11, figs. 3, 5; pl. 12, figs. 4, 6.
Bolton, T.E. and Copeland, M.J., 1972, ibid., Paper 72-15, pl. 6, figs. 3, 10 [ 24520, 24522 ] .
Thornloe Formation, Middle Silurian, Burnt or Mann Island, Lake Timiskaming, Quebec.

*Pycnosaccus* n. sp.
Fig. spec. 29740
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 12, fig. 9.
Chicotte Formation, Middle Silurian, coastal section second point west of Chicotte River, Anticosti Island, Quebec.

*Reteocrinus fimbriatus* Billings
Hypotype 29565
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 1, fig. 7.
Vauréal Formation, Upper Ordovician, section on bank ¾ miles west of Pte. à l'epinette, Anticosti Island, Quebec.

*Syringocrinus sinclairi* Parsley and Caster
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 7, figs. 4 [ holotype 17520 ], 11 [ paratype 17522a ].

*Taeniaster meafordensis* Foerste
= *Taeniaster spinosus*, Hotchkiss, F.H.C., 1970, Proc. Biol. Soc. Washington, vol. 83, no. 5, p. 74, fig. 11 [ hypotype 8580 ].

*Urasterella* cf *grandis* (Meek)
Hypotype 22607
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, pl. 16, fig. 13.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

GRAPTOLITHINA

Black graptolite in black shale
Hypotype 936
Cooke, F.J., 1968, Geol. Surv. Can., Paper 68-1, pt. B, p. 87, text-fig. 1.
Ordovician, Point Levis, Quebec.

*Climacograptus typicalis* var. *magnificus* Twenhofel
Hypotype 29558
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 1, fig. 1.
Macasty Formation, Upper Ordovician, loose on shore where road meets beach, Grand Ruisseau, Anticosti Island, Quebec.

*Clonograptus flexilis* (Hall)
Hypotype 22961
Cumming, L.M., 1967, Geol. Surv. Can., Paper 67-1, pt. B, p. 62, fig. 2.
St. George Formation, Lower Ordovician, on coast 1,000 feet south of Barbace Cove, Port au Choix Peninsula, Newfoundland.

*Clonograptus herrmanni* Monsen
Hypotypes 18914-18916
Cumming, L.M., 1967, Geol. Can., Paper 65-29, p. 5, pl. 6, figs. 1-3.
Charlotte Group, Ordovician, eastern side of Cookson Island, 875 feet from the unconformity, Charlotte co., New Brunswick.

*Dicellograptus* sp.
Fig. spec. 24602
Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 33, pl. 7, fig. 2.
Vauréal Formation, Upper Ordovician, depth 2,844 feet, Lowlands Gamache Princeton Lake No. 1 well, southwest of south end of Princeton Lake, 9 miles northeast of Port Menier, Anticosti Island, Quebec.

*Dicranograptus* sp.
Fig. spec. 24605
Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 33, pl. 7, fig. 12.
Macasty Formation, Upper Ordovician, depth 3,202 feet, Lowlands Gamache Princeton Lake No. 1 well, southwest of south end of Princeton Lake, 9 miles northeast of Port Menier, Anticosti Island, Quebec.

*Dictyonema* cf. *neenah* Hall
Hypotype 12394
Ruedemann, R., 1947, Geol. Soc. Amer., Mem. 19, pl. 11, fig. 17.
Magog Shale, Ordovician, Willard's Mills, Castle Brook, Magog, Quebec.

*Dictyonema scalariforme* var. *creditensis* Foerste
Hypotype 27701
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. C., fig. 17.
Manitoulin Formation, Lower Silurian, 2 miles southeast of Honora village, Manitoulin Island, Ontario.

*Dictyonema* sp.
Fig. spec. 30445
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 5, fig. 17.
Thornloe Formation, Middle Silurian, northwestern point Mann Island, Lake Timiskaming, Quebec.

*Diplograptus* sp.
Fig. specs. 24606, a
Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 33, pl. 7, figs. 13, 14.
Vauréal Formation, Upper Ordovician, depth 2,776 feet, Lowlands Gamache Princeton Lake No. 1 well, southwest of south end of Princeton Lake, 9 miles northeast of Port Menier, Anticosti Island, Quebec.

*Glossograptus holmi* Bulman
Hypotypes 23944-23948, 23950-23959, 23963-23966
Whittington, H.B. and Rickards, R.B., 1969, J. Pal., vol. 43, no. 3, p. 803, pl. 101, figs. 1-7; pl. 102, figs. 3, 4; text-figs. 1-5.
Cow Head Group, Middle Ordovician, Daniel's Harbour, 14 km south-southwest of Table Point, Newfoundland.

*Graptolithus ensiformis* Hall
= *Tristichograptus ensiformis*, Jackson, D.E. and Bulman, O.M.B., 1970, Proc. Geol. Soc. London, No. 1663, p. 108 [ genolectotype 949g ].

Grey graptotite in grey shale
Hypotype 21085
Cooke, F.J., 1968, Geol. Surv. Can., Paper 68-1, pt. B, p. 87, text-fig. 2.
Ordovician, Red Indian Falls, Exploits River, Newfoundland.

*Isograptus caduceus caduceus* (Salter)
Neotype 26571a b; topotypes 26573a, b, 26576-26578
Cooper, R.A., 1971, J. Pal., vol. 45, no. 5, p. 905, text-figs. 2a-f.
Lévis Formation, Lower Ordovician, upper part of Côte Fréchette, Lévis, Quebec.

*Isograptus* sp. aff. *I. caduceus caduceus* (Salter)
Hypotypes 26579a, b, 26580
Cooper, R.A., 1971, J. Pal., vol. 45, no. 5, text-figs. 2g, h.
Lévis Formation, Lower Ordovician, upper part of Côte Fréchette, Lévis, Quebec.

*Janograptus terranovensis* Erdtmann
Holotype 29304; paratypes 29305-29311
Erdtmann, B.D., 1971, J. Pal., vol. 45, no. 2, p. 260, pl. 33, figs. 4-7.
Goose Tickle Formation, Middle Ordovician, Hare Bay, ¼ mile south of Goose Tickle Point, Newfoundland.

*Linograptus posthumus posthumus* (Richter)
Hypotype 31282
Lenz, A.C., 1972, Can. J. Earth Sci., vol. 9, no. 9, p. 1159, fig. 35.
St. Léon Formation, Early Devonian, 800 feet east of des Béland River and 1,600 west of Murdochville-Anse Pleureuse road, Larivière tp., Gaspé-Nord co., Quebec.

*Linograptus posthumus tenuis* Jaeger
Hypotype 21294
Jackson, D.E. and Lenz, A.C., 1969, Geol. Surv. Can., Bull. 182, p. 21, pl. 4, fig. 3.
Road River Formation, Upper Silurian, north bank Porcupine River, 7 miles above junction with Driftwood River, lat. 67°34'N, long. 138°10'W, Yukon.

*Lobograptus? scanicus* (Tullberg)
Hypotypes 31275, 31276
Lenz, A.C., 1972, Can. J. Earth Sci., vol. 9, no. 9, p. 1157, figs. 3J, K.
St. Léon Formation, Late Silurian, St. Blandine-Macpès road, 3,450 feet northwest of Macpès, Macpès tp., Rimouski co., lat. 48°18'19.5"N, long 68°22'12.5"W, Quebec.

*Monoclimacis micropoma* (Jaekel)
Hypotypes 31268, 31269
Lenz, A.C., 1972, Can. J. Earth Sci., vol. 9, no. 9, p. 1156, figs. 2Q, R.
St. Léon Formation, Late Silurian, road 1,980 feet northwest of northwest shore of Lac des Eaux Mortes, lat. 48°15'18"N, long. 68°05'41"W, Quebec.

*Monograptus aequabilis* (Pribyl)
Hypotypes 11324a-c
Boucot, A.J., Cumming, L.M., and Jaeger, H., 1967, Geol. Surv. Can., Paper 67-25, p. 10, pl. 3, figs. 5-9.
Petit Portage Member, Cape Bon Ami Formation, Lower Devonian, Cape Rosier Cove, Forillon Peninsula, Gaspé, Quebec.
= *Monograptus aequabilis aequabilis*, Churkin, M., Jaeger, H., and Eberlein, G.D., 1970, Lethaia, vol. 3, no. 2, p. 200, fig. 9B [11324c].

*Monograptus aequabilis aequabilis* (Pribyl)
Hypotype 31247
Lenz, A.C., 1972, Can. J. Earth Sci., vol. 9, no. 9, p. 1149, fig. 2C.
St. Léon Formation, Early Devonian, 800 feet east of des Béland River and 1,600 feet west of Murdochville-Anse Pleureuse road, Larivière tp., Gaspé-Nord co., Quebec.

*Monograptus aequabilis gaspesiensis* Lenz
Holotype 31248; paratypes 31249, 31250
Lenz, A.C., 1972, Can. J. Earth Sci., vol. 9, no. 9, p. 1150, figs. 2A, B, F.
St. Léon Formation, Early Devonian, north side Shick-Shock Provincial Park road west of bridge crossing Leeseps Brook, Lesseps tp., Gaspé-Nord co., Quebec.

*Monograptus* aff *M. angustidens* Pribyl
Hypotypes 21274, 21276-21279
Jackson, D.E. and Lenz, A.C., 1969, Geol. Surv. Can., Bull. 182, p. 21, pl. 3, figs. 6-9; pl. 5, fig. 7.
Road River Formation, Upper Silurian, north bank Porcupine River, 7 miles above junction with Driftwood River, lat. 67°34'N, long. 138°10'W, Yukon.

*Monograptus bugensius* (Teller)
Hypotypes 21281-21285
Jackson, D.E. and Lenz, A.C., 1969, Geol. Surv. Can., Bull. 182, p. 23, pl. 3, figs. 1-4; pl. 5, figs. 2-4.
Road River Formation, Upper Silurian, north bank Porcupine River, 7 miles above junction with Driftwood River, lat. 67°34'N, long. 138°10'W, Yukon.

*Monograptus chelmiensis* (Teller)
Hypotypes 21286-21293
Jackson, D.E. and Lenz, A.C., 1969, Geol. Surv. Can., Bull. 182, p. 24, pl. 5, figs. 5, 8, 9.
Road River Formation, Upper Silurian, north bank Porcupine River, 7 miles above junction with Driftwood River, lat. 67°34'N, long. 138°10'W, Yukon.

*Monograptus clintonensis* (Hall)
Hypotypes 29692, 29693
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 9, figs. 1, 4.
Jupiter Formation, Middle Silurian, eastern end of Cape Jupiter cliff, Anticosti Island, Quebec.

?*Monograptus crinitus* Wood
Hypotype 21266
Jackson, D.E. and Lenz, A.C., 1969, Geol. Surv. Can., Bull. 182, p. 26, pl. 3, fig. 10.
Road River Formation, Upper Silurian, north bank Porcupine River, 7 miles above junction with Driftwood River, lat. 67°34'N, long. 138°10'W, Yukon.

*Monograptus flemingii* (Salter)
Hypotypes 31261, 31262
Lenz, A.C., 1972, Can. J. Earth Sci., vol. 9, no. 9, p. 1154, figs. 3G, H.
Laforce Formation, Middle Silurian, east shore Laforce Brook, 1,000 feet upstream from Saint-Jean River, Laforce tp., Gaspé-Sud co., Quebec.

*Monograptus hercynicus* Perner
Hypotypes 21311-21316
Lenz, A.C. and Jacson, D.E., 1971, Geol. Surv. Can., Bull. 192, p. 7, pl. 1, figs. 1-6; text-figs. 2A-F.
Prongs Creek Formation, Lower Devonian, lat. 65°18'N, long. 135°40'W, Prongs Creek, Yukon.

*Monograptus* aff. *M. kosoviensis* Boucek
Hypotypes 21260-21265
Jackson, D.E. and Lenz, A.C., 1969, Geol. Surv. Can., Bull. 182, p. 26, pl. 3, fig. 5; pl. 5, figs. 1, 6.
Road River Formation, Upper Silurian, north bank Porcupine River, 7 miles above junction with Driftwood River, lat. 67°34'N, long. 138°10'W, Yukon.

*Monograptus* ex. gr. *M. microdon* Richter
Hypotypes 31263-31267
Lenz, A.C., 1972, Can. J. Earth Sci., vol. 9, no. 9, p. 1154, figs. 3N-R.
St. Léon Formation, Early Devonian, 800 feet east of des Béland River and 1,600 feet west of Murdochville-Anse Pleureuse road, Larivière tp., Gaspé-Nord co., Quebec.

*Monograptus norfordi* Lenz and Jackson
Holotype 21304; paratypes 21305-21310
Lenz, A.C. and Jackson, D.E., 1971, Geol. Surv. Can., Bull. 192, p. 11, pl. 1, figs. 7-10; text-figs. 3E, F, J-L.
Road River Formation, Upper Silurian, Hart River, Yukon.

*Monograptus paraformosus* Jackson and Lenz
Holotype 21267; paratypes 21268-21273
Jackson, D.E. and Lenz, A.C., 1969, Geol. Surv. Can., Bull. 182, p. 27, pl. 4, figs. 1, 2, 4.
Road River Formation, Upper Silurian, north bank Porcupine River, 7 miles above junction with Driftwood River, lat. 67°34'N, long. 138°10'W, Yukon.

*Monograptus praehercynicus* Jaeger
Hypotypes 31270-31272
Lenz, A.C., 1972, Can. J. Earth Sci., vol. 9, no. 9, p. 1156, figs. 3A, D, E.
Lefrançois Member, St. Léon Formation, Early Devonian, cliff east of south-flowng branch of Madeleine River, Lefrançois tp., Gaspé-Nord co., and road-cut 6,300 feet southeast of St. Narcisse de Rimouski and 1,800 feet northeast of Petit Lac St. Narcisse, Rimouski co., lat. 48°16'41"N, long 68°25'W, Quebec.

*Monograptus priodon* (Bronn)
Hypotypes 31273, 31274
Lenz, A.C., 1972, Can. J. Earth Sci., vol. 9, no. 9, p. 1157, figs. 3B, C.
Laforce Formation, Middle Silurian, west side Murdochville-Chandler road, Sirois tp., Gaspé-Sud co., Quebec.

*Monograptus telleri* Lenz and Jackson
Holotype 21317; paratypes 21318-21320, 21339, 21340
Lenz, A.C. and Jackson, D.E., 1971, Geol. Surv. Can., Bull. 192, p. 9, pl. 1, figs. 11-15; text figs. 2G-J.
Delorme Formation, Lower Devonian, South Nahanni River, 8 miles downstream from junction with Flat River, lat. 61°31'N, long. 125°13'W, and junction of South Nahanni and Flat Rivers, lat. 61°34'N, long. 125°14'W, District of Mackenzie.
Prongs Creek and Road River Formations, Lower Devonian, headwaters Royal Creek, lat. 64°45'20"N, long. 135°10'00"W, and tributary of Rock River, lat. 66°48'N, long. 136°06'W, Yukon.

*Monograptus thomasi* Jaeger
Hypotypes 21321-21328
Lenz, A.C. and Jackson, D.E., 1971, Geol. Surv. Can., Bull. 192, p. 13, pl. 2, figs. 1-4; text-figs. 3A, B, H, I.
Road River Formation, Lower Devonian, Royal Creek immediately northwest of Royal Mountain, lat. 65°03'20"N, long. 135°09'10"W, Yukon.

*Monograptus transgrediens praecipuus* Pribyl
Hypotypes 21295-21301
Lenz, A.C. and Jackson, D.E., 1971, Geol. Surv. Can., Bull. 192, p. 14, pl. 2, figs. 5-8; text-figs. 4A-D.
Road River and Prongs Creek Fromations, Upper Silurian, Hart River and Prongs Ceeek, Yukon.

*Monograptus* cf. *M. uniformis* Pribyl
Hypotypes 21302, 31303
Lenz, A.C. and Jackson, D.E., 1971, Geol. Surv. Can., Bull. 192, p. 16, text-figs. 3C, G.
Road River Formation, Lower Devonian, Hart River, Yukon.

*Monograptus uniformis-angustidens* transient
Hypotype 27765
Lenz, A.C. and Jackson, D.E., 1971, Geol. Surv. Can., Bull. 192, text-fig. 3D.
Road River Formation, Lower Devonain, Hart River, Yukon.

*Monograptus yukonensis* Jackson and Lenz
Hypotypes 21329-21338
Lenz, A.C. and Jackson, D.E., 1971, Geol. Surv. Can., Bull. 192, p. 17, pl. 2, figs. 9-12; text-fgis. 5A, C-G.
Road River and Prongs Creek Formations, Lower Devonian, Tetlit Creek, lat. 66°44'N, long. 135°46'W; Royal Creek; tributary of Rock River, lat. 66°48'N, long. 136°06'W; upper canyon of Peel River, lat. 65°52'36"N, long. 135°42'40"W; and small outcrop 10 feet below top of ridge on southwest side of cirque, Royal Creek, Yukon.

*Monograptus* sp. indet.
Fig. specs. 31279, 31280
Lenz, A.C., 1972, Can. J. Earth Sci., vol. 9, no. 9, p. 1158, figs. 3I, M.
Laforce Formation, Late Silurian, 200 feet east of bush road running east of south-flowing branch of Saint-Jean River, Sirois tp., Gaspé-Sud co., Quebec.

*Paraglossograptus*? sp.
Fig. specs. 23943, 23949
Whittington, H.B. and Rickards, R.B., 1968, J. Pal., vol. 43, no. 3, p. 805, text-figs. 7a, b, 8.
Cow Head Group, Middle Ordovician, Daniel's Harbour, Newfoundland.

*Psigraptus arcticus* Jackson
Holotype 21248; paratype 21249
Jackson, D.E., 1967, Geol. Mag., vol. 104, no. 4, p. 318, text-figs. 1A, B.
Road River Formation, Lower Ordovician, approximately lat. 66°48'N, long. 136°07'W, tributary of Rock River, Yukon.

*Psigraptus* cf. *arcticus* Jackson
Hypotype 21258
Jackson, D.E., 1967, Geol. Mag., vol. 104, no. 4, p. 321, text-fig. 1F.
Lower Ordovician, unkown locality.

*Psigraptus lenzi* Jackson
Holotype 21253; paratypes 21254-21256
Jackson, D.E., 1967, Geol. Mag., vol. 104, no. 4, p. 319, text-figs. 1C, D.
Road River Formation, Lower Ordovician, approximately lat. 66°48'N, long. 136°07'W, tributary of Rock River, Yukon.

?*Psigraptus lenzi* Jackson
Hypotype 21257
Jackson, D.E., 1967, Geol. Mag., vol. 104, no. 4, p. 319, text-fig. 1E.
Road River Formation, Lower Ordovician, approximately lat. 66°48'N, long. 136°07'W, tributary of Rock River, Yukon.

*Pristiograptus bohemicus bohemicus* (Barrande)
Hypotypes 31251-31253
Lenz, A.C., 1972, Can. J. Earth Sci., vol. 9, no. 9, p. 1152, figs. 2H-J.
St. Léon Formation, Late Silurian, unnamed brook, 500 feet downstream from St-Agricole village, lot 4, Region VIII, Awantjish tp., Quebec.

*Pristiograptus* ex. gr. *dubuis* (Suess)
Hypotypes 31283, 31284
Lenz, A.C., 1972, Can. J. Earth Sci., vol. 9, no. 9, figs. 2K, L.
St. Léon Formation, Late Silurian, St. Blandine-Macpès road, 3,450 feet northwest of Macpès, Macpès tp., Rimouski co., lat. 48°18'19.5"N, long. 68°22'12.5"W, Quebec.

*Pristiograptus dubius* cf. *P. dubius thuringicus* (Jaeger)
Hypotypes 31258-31260
Lenz, A.C., 1972, Can. J. Earth Sci., vol. 9, no. 9, p. 1153, figs. 2D, E, G.
Laforce Formation, Middle to Late Silurian, west side Murdochville-Chandler road, Sirois tp., Gaspé-Sud co., and road 1,980 feet northwest of northwest shore of Lac des Eaux Mortes, lat. 48°15'18"N, long. 68°05'41"W, Quebec.

*Reticulograptus tuberosus sinclairi* Whittington and Rickards
Holotype 22929, a-k [ parts of one rhabdosome ]
Whittington, H.B. and Rickards, R.B., 1968, J. Pal., vol. 42. no. 1, p. 63, pl. 14, figs. 1-5; text-figs. 1-5.
Craigleith Member, Whitby Formation, Upper Ordovician, shore directly in front of Craigleith Railroad Station, Georgian Bay, Ontario.

*Saetograptus? colonus compactus* (Wood)
Hypotypes 31254-31257
Lenz, A.C., 1972, Can. J. Earth Sci., vol. 9, no. 9, p. 1153, figs. 2M-P.
Laforce Formation, Late Silurian, cliff 1, 200 feet east of Lachambre Brook, Laforce tp., Gaspé-Sud co., Quebec.

*Saetograptus varians* (Wood)
Hypotypes 31277, 31278
Lenz, A.C., 1972, Can. J. Earth Sci., vol. 9, no. 9, p. 1158, figs. 3F, L.
St. Léon Formation, Late Silurian, lot 32, Region V, Awantijish tp., 300 feet south of intersection of road between Regions IV-V and line between lots 32-33, Quebec.

*Skiagraptus* sp.
Fig. specs. 23960-23962
Whittington, H.B. and Rickards, R.B., 1969, J. Pal. vol. 43, no. 3, p. 814, text-figs. 9a, b 10a, b.
Cow Head Group, Middle Ordovician, Daniel's Harbour, Newfoundland.

*Spinograptus* cf. *S. spinosus* (Wood)
Hypotype 31281
Lenz, A.C., 1972, Can. J. Earth Sci., vol. 9, no. 9, p. 1159, fig. 25.
Laforce Formation, Late Silurian, 200 feet east of bush road running east of south-flowing branch of Saint-Jean River, Sirois tp., Gaspé-Sud co., Quebec.

## BRYOZOA

*Ascopora graemei* Fritz

Holotype 24560, a

Fritz, M.A., 1970, Geol. Surv. Can., Bull. 187, p. 72, pl. 14, figs. 3, 5.

Tellevak Limestone, Pennsylvanian, Gully BR, Blue Mountains on south side of Hare Fiord, northwestern Ellesmere Island, Arctic.

*Ascopora tellevakensis* Fritz

Holotype 24559, a

Fritz, M.A., 1970, Geol. Surv. Can., Bull. 187, p. 73, pl. 14, figs. 1, 2, 4.

Tellevak Limestone, Pennsylvanian, Gully BK, Blue Mountains on south side of Hare Fiord, northwestern Ellesmer Island, Arctic.

*Dekayia* sp. cf. *D. typica* Fritz

Hypotype 22635

Bolton, T.E., in Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 42, pl. 22, figs. 4, 6.

Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Eostenopora flumensis* Astrova

Holotype 29870

Astrova, G.G., 1972, Proc. Geol. Assoc. Can., vol. 24, no. 2, p. 82, pl. 4, figs. 1, 2.

Flume Formation, Upper Devonian, Wallbridge Mountain, Kakwa Lake, Alberta.

*Eostenopora nicholsoni* (Duncan)

Hypotypes 29865-29869

Astrova, G.G., 1972, Proc. Geol. Assoc. Can., vol. 24, no. 2, p. 82, pl. 3, figs. 6, 7.

Hume Formation, Middle Devonian, unnamed tributary stream east of Snake River at approximately lat. 65°32.2'N, long. 133°8.2'W, and 5 miles east of Carter Ridge [ 29867-29869 ], Yukon.

*Eridopora* sp.

Fig. spec. 24564

Fritz, M.A., 1970, Geol. Surv. Can., Bull. 187, p. 68, pl. 15, figs. 3, 6.

Tellevak Limestone, Pennsylvanian, Gully BR, Blue Mountains on south side of Hare Fiord, northwestern Ellesmere Island, Arctic.

*Eridotrypella parvulipora* (Ulrich and Bassler)
Hypotypes 29871-29875
Astrova, G.G., 1972, Proc. Geol. Assoc. Can., vol. 24, no. 2, p. 84, pl. 4, figs. 3, 4.
Delorme Formation, Lower Devonian, Cathedral Mountain, District of Mackenzie.

*Fenestella carteri* Fritz
Holotype 24565, a
Fritz, M.A., 1970, Geol. Surv. Can., Bull. 187, p. 68, pl. 16, figs. 1, 2.
Tellevak Limestone, Pennsylvanian, Gully BR, Blue Mountains on south side of Hare Fiord, northwestern Ellesmere Island, Arctic.

*Fenestella ellesmerensis* Fritz
Holotype 24563, a-c
Fritz, M.A., 1970, Geol. Surv. Can., Bull. 187, p. 69, pl. 16, fig. 3; pl. 17, figs. 1, 2.
Tellevak Limestone, Pennsylvanian, Gully BR, Blue Mountains on south side of Hare Fiord, northwestern Ellesmere Island, Arctic.

*Fenestella irregularis* McNair
Hypotypes 29884, 29885
Astrova, G.G., 1972, Proc. Geol. Assoc. Can., vol. 24, no. 2, p. 76.
Hume Formation, Middle Devonian, unnamed tributary stream east of Snake Ridge at approximately lat. 65°32.2'N, long. 133°8.2'W, Yukon.

*Fistulipora mackenziensis* Astrova
Holotype 29844; paratypes 29845, 29846
Astrova, G.G., 1972, Proc. Geol. Assoc. Can., vol. 24, no. 2, p. 77, pl. 1, figs. 3, 4.
Beavertail Formation, Middle Devonian, Carcajou Ridge, Mackenzie River, District of Mackenzie.

*Fistulipora tatouhuensis* Yang
Hypotypes 29841-29843
Astrova, G.G., 1972, Proc. Geol. Assoc. Can., vol. 24, no. 2, p. 75, pl. 1, figs. 1, 2.
Pine Point Formation, Middle Devonian, Green Islands, Great Slave Lake, District of Mackenzie.

*Fistuliramus mishanensis* (Yang)
Hypotypes 29847-29849
Astrova, G.G., 1972, Proc. Geol. Assoc. Can., vol. 24, no. 2, p. 77, pl. 1, figs. 1 [ 29847 ], 6 [ 29848 ]; pl. 2, fig. 1 [ 29848 ].
Hare Indian Formation, Middle Devonian, Jan Lake, Mackenzie River, District of Mackenzie.

*Hallopora multitabulata* (Ulrich)
Hypotype 21956
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 7, figs. 14-16.
Middle Ordovician, Lakefield quarry, Ontario.

*Hederella* cf. *filiformis* (Billings)
Hypotype 29888
Astrova, G.G., 1972, Proc. Geol. Assoc. Can., vol. 24, no. 2, p. 76.
Hay River Formation, Upper Devonian, Mile 16, Hay River, District of Mackenzie.

*Hederella* sp.
Fig. specs. 29889, 29890
Astrova, G.G., 1972, Proc. Geol. Assoc. Can., vol. 24, no. 2, p. 76.
Hume Froamtion, Middle Devonian, west branch of Houston River, District of Mackenzie.

*Heterotrypa* sp.
Fig. specs. 22630-22632
Bolton, T.E., in Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv., Can., Bull. 211, p. 42, pl. 22, figs. 1-3, 5.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Homotrypa lewisi* Bolton
Hypotype 23567
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin, Geol. Soc. Ann. Field Excursion, fig. 12, photo 14.
Manitoulin Formation, Middle Silurian, main highway ½ mile east of Ice Lake, Manitoulin Island, Ontario.

*Isotrypa* cf. *tropozomena* Deiss
Hypotype 29887
Astrova, G.G., 1972, Proc. Geol. Assoc. Can., vol. 24, no. 2, p. 76.
Hume Formation, Middle Devonian, 5 miles east of Carter Ridge, Yukon.

*Leptotrypa canadensis* Astrova
Holotype 29851; paratypes 29852, 29853
Astrova, G.G., 1972, Proc. Geol. Assoc. Can., vol. 24, no. 2, p. 78, pl. 2, figs. 5-7.
Twin Falls Fromation, Grumbler Group, and Mount Hawk Formation [ 29853 ], Upper Devonian, 8 miles above Alexandra Falls, Hay River, District of Mackenzie, and Nigel Peak, Alberta.

*Leptotrypa prima* (Duncan)
Hypotype 29850
Astrova, G.G., 1972, Proc. Geol. Assoc. Can., vol. 24, no. 2, p. 77, pl. 2, figs. 2-4.
Hume Fromation, Middle Devonian, 5 miles east of Carter Ridge, Yukon.

*Leptotrypella hawkensis* Astrova
Holotype 29857; paratypes 29858-29863
Astrova, G.G., 1972, Proc. Geol. Assoc. Can., vol. 24, no. 2, p. 80, pl. 2, fig. 11; pl. 9, figs. 1, 2.
Twin Falls Formation, Grumbler Group, and Mount Hawk Formation, Upper Devonian, 5 miles above Alexandra Falls, Hay River, District of Mackenzie, and Nigel Peak, Alberta.

*Leptotrypella pojarkovi* Orlovskji
Hypotypes 29854-29856
Astrova, G.G., 1972, Proc. Geol. Assoc. Can., vol. 24, no. 2, p. 78, pl. 2, figs. 8-10.
Twin Falls Formation, Grumbler Group, Upper Devonian, 5 miles above Alexandra Falls, Hay River, District of Mackenzie.

*Leptotrypella* sp.
Fig. spec. 24866
Mitchell, S.W., 1970, Michigan Academician, vol. 2, no. 3, pl. 1, fig. 10.
Hay River Formation, Upper Devonian, north bank of Hay River, ¼ miles southeast of Enterprise, Northwest Territories.

*Loxophragma editum* Astrova
Holotype 29864
Astrova, G.G., 1972, Proc. Geol. Assoc. Can., vol. 24, no. 2, p. 80, pl. 3, figs. 3-5.
Twin Falls Formation, Grumbler Group, Upper Devonian, 5 miles above Alexandra Falls, Hay River, District of Mackenzie.

*Mesotrypa angularis* Ulrich and Bassler
Hypotype 21954
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 7, figs. 8, 9.
Middle Ordovician, Lakefield quarry, Ontario.

*Monotrypella* sp.
Fig. specs. 22633, 22634
Bolton, T.E., in Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 42, pl. 21, figs. 2, 3, 8.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Nicholsonella* sp. cf. *N. wilsonae* Fritz
Hypotype 22559, a-c
Bolton, T.E., in Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 42, pl. 21, fig. 7.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Polypora bonhami* Fritz
Holotype 24562, a, b
Fritz, M.A., 1970, Geol. Surv. Can., Bull. 187, p. 71, pl. 17, figs. 3, 4.
Tellevak Limestone, Pennsylvanian, Gully BR, Blue Mountains on south side of Hare Firod, northwestern Ellesmere Island, Arctic.

*Polypora* aff. *uniplana* Deiss
Hypotype 29886
Astrova, G.G., 1972, Proc. Geol. Assoc. Can., vol. 24, no. 2, p. 76.
Funeral Formation, unnamed tributary stream east of Snake Ridge, Yukon.

*Prasopora simulatrix* var. *orientalis* Ulrich
Hypotype 21955
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 7, figs. 12, 13.
Middle Ordovician, Lakefield quarry, Ontario.

*Prasopora* sp. aff. *P. lenticularis* Ulrich
Hypotype 24604
Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 33, pl. 7, figs. 10, 11, 15.
Vauréal Formation, Upper Ordovician, depth 3,244 feet, New Associated Consolidated Paper Anticosti No. 1 well, north side of Jupiter River at 24-mile lodge, Anticosti Island, Quebec.

*Rhinidictya* sp.
Fig. spec. 21953
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 7, fig. 7.
Middle Ordovician, Lakefield quarry, Ontario.

*Rhombopora* cf. *R. lepidodendroides* Meek
Hypotypes 24561, a, b
Fritz, M.A., 1970, Geol. Surv. Can., Bull. 187, p. 74, pl. 15, figs. 1, 4.
Tellevak Limestone, Pennsylvanian, Gully BR, Blue Mountains on south side of Hare Fiord, northwestern Ellesmere Island, Arctic.

*Rhombopora yukonensis* Astrova
Holotype 29876; paratypes 29877-29880
Astrova, G.G., 1972, Proc. Geol. Assoc. Can., vol. 24, no. 2, p. 85, pl. 4, figs. 5-7.
Hume Formation, Middle Devonian, unnamed tributary stream east of Snake River at approximately lat. 65°32.2'N, long. 133°8.2'W, Yukon.

*Saffordotaxis athabascensis* Astrova
Holotype 29881; paratypes 29882, 29883
Astrova, G.G., 1972, Proc. Geol. Assoc. Can., vol. 24, no. 2, p. 86, pl. 4, figs. 8-11.
Waterways Formation, Upper Devonian, Athabasca River, northeastern Alberta.

*Septopora* sp.
Fig. spec. 24566
Fritz, M.A., 1970, Geol. Surv. Can., Bull. 187, p. 72, pl. 15, figs. 2, 5.
Tellevak Limestone, Pennsylvanian, Gully BR, Blue Mountains on south side of Hare Fiord, northwestern Ellesmere Island, Arctic.

*Stictopora* sp.
Fig. specs. 22623-22625, 22629
Bolton, T.E., in Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 42, pl. 21, figs. 1, 9, 10.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A. McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Stictopora* sp.

Fig. spec. 27674

Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. A, fig. 15.

Verulam Formation, Middle Ordovician, road-cut north end of Goat Island, Ontario.

*Stictoporella* sp.

Fig. spec. 21957

Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 7, figs. 17, 18.

Middle Ordovician, Lakefield quarry, Ontario.

*Vinella* sp.

Hypotype 29891

Astrova, G.G., 1972, Proc. Geol. Assoc. Can., vol. 24, no. 2, p. 76.

Hay River Formation, Upper Devonian, Escarpment Creek, Hay River, District of Mackenzie.

## BRACHIOPODA

*Acrospirifer* (?) *macrothyris* (Hall)

Hypotypes 23050-23053

Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 42, pl. 5, figs. 8, 13, 14.

Anderdon Formation, Detroit River Group, Middle Devonian, north face Brunner, Mond Canada, Limited quarry about 1¼ miles northeast of Amherstburg, Ontario.

*Acutatheca (Minutilla) decoris* Crickmay

Holotype 25567; paratypes 25568-25570

Crickmay, C.H., 1967, The method of indivisible aggregates in studies of the Devonian, p. 11, pl. 4, figs. 8 [ 25570 ], 9, 12, 13 [ 25567 ], 10 [ 25568 ], 11 [ 25569 ].

Mildred Member, Waterways Formation, Upper Devonian, Bear Beaumont No. 1 well, at 1,938-1,942 feet, l.s.d. 14, sec. 25, tp. 77, rge. 18, W.4th mer. Alberta.

*Acuthatheca (Minutilla) layeri* Crickmay

Holotype 25563; paratypes 25564-25566.

Crickmay, C.H., 1967, The method of indivisible aggregates in studies of the Devonian, p.10, pl. 4, figs. 4 [25564], 5 [25565], 6 [25563], 7 [25566].

Moberly Member, Waterways Formation, Upper Devonian, left bank Clearwater River, 5 miles east of Waterways, Alberta.

*Aesopomum prongsi* Lenz

Holotype 24986; paratypes 24984, 24985, 24987, 24988

Lenz, A.C., 1970, J. Pal., vol. 44, no. 3, p. 486, pl. 84, figs. 1-13.

Road River Formation, Upper Silurian, Prongs Creek, lat. 65°17'30"N, long. 135°41'10"W, Yukon.

*Alispira lowi* (Whiteaves)

Hypotype 30440

Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., p. 5, fig. 3.

Thornloe Formation, Middle Silurian, lots 2-3, con. V. Harris tp., Ontario.

?*Alispirifer* sp.

Fig. spec. 26833

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 3, fig. 7.

Lisburne Group, Carboniferous, lat. 68°23½'N, long. 138°26'W, Barn Mountains, Yukon.

*Allanaria allani* (Warren)

McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, figs. 18, 19 [ hypotype 16714 ].

?*Anastrophia* sp.

Fig. spec. 24989

Lenz, A.C., 1970, J. Pal., vol. 44, no. 3, p. 486, pl. 84, figs. 14, 15.

Road River Formation, Upper Silurian, Prongs Creek, lat. 65°17'30"N, long. 135°41'10"W, Yukon.

*Anemonaria* cf. *pseudohorrida* (Wiman)

Hypotypes 26988, 26989

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 18, figs. 3, 4.

Tahkandit Formation, Permian, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Anemonaria* sp.

Fig. specs. 26974, 27022

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 16, fig. 3; pl. 19, fig. 21; pl. 21, fig. 3.

Permian, Jungle Creek Formation, lat. 64°58½'N, long. 140°54'W, Tatonduk River; sandstone unit, lat. 67°47½'N, long. 136°01½'W, Rat River, northern Richardson Mountains, Yukon.

Anidanthinid

Fig. spec. 27002

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 17, fig. 8.

Tahkondit Formation, Permian, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

Anidanthinid cf. *Anidanthus eucharis* (Girty)

Hypotype 27013

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 19, figs. 7, 9, 10.

Jungle Creek Formation, Permian, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Anidanthus* sp. cf. *A. eucharis* (Girty)

Hypotypes 23539-23541

Logan, A. and McGugan, A., 1968, J. Pal., vol. 42, no. 5, p. 1134, pl. 141, figs. 11-15.

Telford Formation, Ishbel Group, Permian, Telford Creek headwater, southeastern British Columbia.

*Antiquatonia* ?cf. *hermosana* (Girty)

Hypotype 21757

Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 13, figs. 15a, b.

Pennsylvanian, south of Crowsnest Pass on ridge between Mount Ptolemy and Crowsnest Creek, Alberta.

*Antiquatonia* sp.
Fig. specs. 26990-26992
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 18, figs. 5-7.
Tahkandit Formation, Permian, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

?*Antiquatonia* sp.
Fig. spec. 26976
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 16, fig. 5.
Jungle Creek Formation, Permian, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Antirhynchonella tumidula* (Billings)
Hypotyes 29708, 29709
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 10, figs. 4, 5
Jupiter Formation, Middle Silurian, coastal section west of Bilodeau River, Anticosti Island, Quebec.

*Antirhynchonella* spp.
Fig. specs. 30476, 30540, 30541, 30552, 30553
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., pl. 8, figs. 9, 10; pl. 13, figs. 3, 16, 20-23.
Thornloe and Guelph Formations, Middle Silurian, lot 5, con. II, Harris tp. and corner of lots 2-3, cons. II-III, Harris tp., Lake Timiskaming region; east-west trail about 1¼ mile east of Michaels Bay and Michaels Bay road, Manitoulin Island, Ontario.

*Arctitreta* sp.
Fig. spec. 27042
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 22, figs. 1, 2.
Permian sandstone unit, lat. 67°58½'N, long. 136°08½'W, Scho Creek, northern Richardson Mountains, Yukon.

?*Arctitreta* sp.
Fig. spec. 27043
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 22, figs. 3, 4.
Permian sandstone unit, lat. 67°41'N, long. 136°19'W, Bell River, Yukon.

*Athyris cora* Hall
Hypotype 23048
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 40.
Detroit River Group, Middle Devonian, east end of outcrop on south bank of Maitland River, east edge of Goderich, Ontario.

*Athyris* (?) *minuta* Fagerstrom

Hypotypes 23035-23047

Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 40.

Detroit River Group, Middle Devonian, west bank of Teeswater River approximately 500 feet below the falls, lot 4, cons. II-IV, Culross tp., Bruce co. and south end of road-cut approximately 2½ miles north of Formosa, Ontario.

*Atribonium halli* (Fagerstrom)

Hypotype 23020

Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 36.

Detroit River Group, Middle Devonian, northeast corner North American Cyanamid Limited quarry approximately 2 miles southwest of Beachville, Ontario.

*Atrypa arctica* Warren

= *Desquamatia arctica*, McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 9, figs. 9, 10 [ hypotype 16691 ].

*"Atrypa"* cf. *insolita* Barrande

Hypotypes 26558, 26559

Chiang, K.K., 1972, J. Pal., vol. 46, no. 1, p. 25, pl. 4, figs. 22-26.

Amabel Formation, Middle Silurian, 1.5 miles north of Kemble, Keppel tp., Ontario.

*'Atrypa' parva* Hume

Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 5, figs. 8, 9, 11, 12, 14 [ hypotypes 20615, 20614, 20617 ].

*Atrypa reticularis alexanderi* Chiang

Holotype 26560; paratypes 26561-26563

Chiang, K.K., 1972, J. Pal., vol. 46, no. 1, p. 25, pl. 4, figs. 27-33.

Amabel Formation, Middle Silurian, 1.5 miles north of Kemble, Keppel tp., Ontario.

*Atrypa* sp.

= *Atrypa* cf. *A. reticularis nieczlawiensis*, McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, fig. 3 [ hypotype 16689 ].

*Atrypa* sp.

= *Atrypa gabrielsi*, Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 8, figs. 7, 8 [ hypotypes 16918a, b ].

*Atrypa* spp.
Fig. specs. 23021-23029
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 37, pl. 3, figs. 20-23, 26-29.
Anderdon and Amherstburg Formations, Detroit River Group, Middle Devonian, Brummer, Mond Canada, Limited quarry about 1¼ miles northeast of Amherstburg; 4½ miles west of Teeswater, Bruce co., Ontario; Livingstone channel dry cut, Detroit River, U.S.A.; and just below falls on Teeswater River, lot 4, cons. III-IV, Culross tp., Bruce co., Ontario.

*Atrypa* sp.
Fig. spec. 29711
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 10, fig. 7.
Jupiter Formation, Middle Silurian, coastal section east side, mouth of Martin River, Anticosti Island, Quebec.

Atrypids
Fig. specs. 29669, 29670
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 8, figs. 2, 3.
Gun River Formation, Middle Silurian, west bank of Jupiter River, 6½ miles upriver, Anticosti Island, Quebec.

*Atrypina*? *arenacea* Twenhofel
Hypotype 29681
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 8, fig. 21.
Gun River Formation, Middle Silurian, Jupiter River fire tower road approximately 1¾ miles south of junction with road to 12-mile lodge, Anticosti Island, Quebec.

?*Atrypina* sp.
Fig. specs. 26556, 26557
Chiang, K.K., 1972, J. Pal., vol. 46, no. 1, p. 24, pl. 4, figs. 18-21.
Amabel Formation, Middle Silurian, 1.5 miles north of Kemble, Keppel tp., Ontario.

*Attenuatella* cf. *omolonensis* Zavodowsky
Hypotype 26922
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 12, figs. 8, 9.
Jungle Creek Formation, Permian, lat. 64°58½'N, long. 140°54'W, north bank of Tatonduk River, Yukon.

*Attenuatella* sp.
Fig. specs. 26958, 26959
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 15, figs. 8, 9.
Jungle Creek Formation, Permian, lat. 65°53'N, long. 136°08'W, Peel River, Yukon.

*Basilicorhynchus basilicus basilicus* (Crickmay)
Hypotypes 15905-15915
Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 135, pl. 18, figs. 2a-e; text-figs. 31, 32.
Upper Devonian, right bank Mackenzie River, 2½ miles below mouth of Root River; small island near right bank of Mackenzie River, just below long island, below mouth of Root River; left bank of Mackenzie River, 10¾ miles above mouth of North Nahanni River; 5¾ miles upstream, north side, south end of prominent scarp, Root River; creek on left bank of Redstone River 59 miles from mouth, lat. 63°44'N, long. 125°36'W; west side of Camsell Range, south side, and northeast side of Root River, Northwest Territories.

*Basilicorhynchus basilicus interpositus* Sartenaer
Holotype 15916; paratypes 15917-15921
Sartenaer, P.,
1968, Internat. Symp. Devonian System, vol. 2, pl. 1, figs. 5a-e [15916].
1969, Geol. Surv. Can., Bull. 169, p. 141, pl. 18, figs. 3a-8d.
Upper Devonian, Yokin syncline, North Nahanni River valley, lat. 62°21'N, long. 123°44'W, Northwest Territories.

*Basilicorhynchus basilicus regalis* Sartenaer
Holotype 15922; paratypes 15923-15925
Sartenaer, P.,
1968, Internat. Symp. Devonian System, vol. 2, pl. 1, figs. 6a-d.
1969, Geol. Surv. Can., Bull. 169, p. 144, pl. 18, figs. 9a-11e; text-fig. 33.
Upper Devonian, west side of Camsell Range, south side of Root River, Northwest Territories.

*Basilicorhynchus* sp. A
Fig. spec. 15678
Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 147.
Palliser Formation, Upper Devonian, northwest side of Mount Haultain, Jasper National Park, Alberta.

*Bathymyonia* sp. cf. *B. nevadensis* (Meek)
Hypotypes 23542-23545
Logan, A. and McGugan, A., 1968, J. Pal., vol. 42, no. 5, p. 1132, pl. 142, figs. 1-7.
Ranger Canyon Chert, Ishbel Group, Permian, southwest of Wapiti Lake, northeastern British Columbia.

*Bathymyonia* sp.
Fig. spec. 27001
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 17, fig. 7.
Tahkondit Formation, Permian, lat. 64°58½'N, long. 140°54'W, north bank of Tatonduk River, Yukon.

*Brachyprion leda* (Billings)
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 10, fig. 10 [ lectotype 2442 ].

*Brachyprion philomela* (Billings)
Hypotypes 29694, 29713
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 9, fig. 2; pl. 10, fig. 11.
Jupiter Formation, Middle Silurian, Rock Pool Cliff, Jupiter River, and Jupiter River fire tower road, 3.1 miles south of junction with road to 12-mile lodge, Anticosti Island, Quebec.

*Brachyprion robustum* Twenhofel var.
Hypotype 29676
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 8, fig. 8.
Gun River Formation, Middle Silurian, west bank of Jupiter River, 6½ miles upriver, Anticosti Island, Quebec.

*Brachyprion* sp. aff. *B. robustum* Twenhofel
Hypotypes 30437-30439
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 5, figs. 1, 6, 7.
Thornloe Formation, Middle Silurian, lots 2-3, con. V, Harris tp., Ontario.

*Brachyprion* sp.
Fig. spec. 30484
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 8, figs. 21, 22.
Thornloe Formation, Middle Silurian, Macnamara quarry, lot 6, con. VI, Armstrong tp., Ontario.

*Brachyspirifer* (?) *manni* (Hall)
Hypotypes 23072, 23073
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 46, pl. 5, figs. 4-6.
Anderdon Formation, Middle Devonian, north face of Brunner, Mond Canada, Limited quarry about 1¼ miles northeast of Amherstburg, Ontario.

*Brachythyris* sp.
Fig. specs. 26878, 26885, 26903, 26907, 26909, 26948
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 8, fig. 2; pl 9, fig. 7; pl. 11, figs. 2, 8; pl. 11, figs. 6, 8; pl. 14, fig. 11.
Carboniferous, Ettrain Formation equivalent, lat. 64°58½'N, long. 140°54'W, Tatonduk River [ 26878, 26885 ] ; Ettrain Formation, lat. 65°23'N, long. 140°40'W, headwaters of Ettrain and Jungle Creeks [ 26903 ] ; Permian, Jungle Creek Formation, 3 miles east of Alaska boundary, Yukon.

*Buxtonia* sp.
Fig. specs. 26835-26837
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 3, figs. 10, 11, 13.
Ettrain Formation equivalent, Carboniferous, lat. 65°53'N, long. 136°05½'W, Peel River, Yukon.

*Callipentamerus* sp.
Fig. spec. 23600
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 22.
Fossil Hill Formation, Middle Silurian, junction of Manitowaning-South Baymouth and The Slash roads, lot 4, con. II, Assiginack tp., Manitoulin Island, Ontario.

*Calvinaria variabilis insculpta* (McLaren)
McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, figs. 22-24 [ hypotype 14939 ].

*Camarotoechia* (?) *ambigua* Fagerstrom
Hypotype 23013
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 36.
Detroit River Group, Middle Devonian, west bank Teeswater River, approximately 500 feet below the falls, lot 4, cons. III-IV, Culross tp., Bruce co., Ontario.

*Camarotoechis banffensis* Warren
= *Sinotectirostrum banffense banffense*, Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 103, pl. 12, figs. 6a-e [ holotype 8903 ].

*Camarotoechia banffensis* Warren
= *Sinotectirostrum banffense shimeri*, Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 109 [ hypotype 13796 ].

*Camarotoechia* (?) *ehlersi* Fagerstrom
Paratypes 23014-23019
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 32.
Detroit River Group, Middle Devonian, abandoned quarry of Standard White Lime Company in St. Marys, lot 16, con. XVIII, Blanshard tp., Perth co., Ontario.

*"Camarotoechia" fringilla* (Billings)
Hypotypes 29661, 29662, 29674
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 7, figs. 9, 13; pl. 8, fig. 6.
Becscie and Gun River Formations, Middle Silurian, Jupiter River road, second hill south of 24-mile lodge and near top of escarpment north of 24-mile lodge, and on road downslope into Jupiter River valley at 30-mile lodge, Anticosti Island, Quebec.

*Camarotoechia nordeggi* Kindle
= *Sinotectirostrum nordeggi*, Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 98, pl. 12, figs. 1a-e [ lectotype 5821 ].
= *Sinotectirostrum banffense banffense*, Sartenaer, P., 1969, ibid., p. 103, pl. 12, figs. 7a-e [ hypotype 5821a ].

*Camarotoechia shimeri* Warren
= *Sintotectirostrum banffense shimeri*, Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 109, pl. 12, figs. 9a-e [ lectotoype 8904 ]; pl. 13, figs. 8a-d [ paralectotype 8904a ].

*Camarotoechia* sp.
= *Sinotectirostrum banffense banffense*, Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 103, pl. 12, figs. 8a-c [ hypotype 4570 ].

*Camarotoechia* sp. E (n. sp.)
= *Sinotectirostrum medicinale medicinale*, Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 84, pl. 10, figs. 1a-e [ holotype 13797 ].

*Camerisma* cf. *pentameroides* (Chernyshev)
Hypotype 26982
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 16, fig. 10.
Jungle Creek Formation, Permian, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Cancrinella* cf. *cancriniformis* (Chernyshev)
Hypotype 26954
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 15, fig. 4.
Jungle Creek Formation, Permian, lat. 65°53'N, long. 136°08'W, Peel River, Yukon.

*Cancrinella* aff. *phosphetica* (Girty)
Hypotype 27007
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 19, fig. 1.
Permian sandstone unit. lat. 67°58½'N, long. 136°24½'W, Fish Creek, northern Richardson Mountains, Yukon.

? *Cancrinella* sp.
Fig. specs. 24643, 24644
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 1, figs. 7, 8.
Hart River Formation, Carboniferous, lat. 66°10'N, long. 136°47½'W, headwaters of Eagle River, Yukon.

*Cancrinelloides* aff. *loveni* (Wiman)
Hypotypes 27047, 27048
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 22, figs. 8, 10.
Permian sandstone unit, lat. 67°47½'N, long. 136°01½'W, Rat River, northern Richardson Mountains, Yukon.

*Carinagypa loweryi* (Merriam)
Hypotype 27713
Johnson, J.G. and Ludvigsen, R., 1972, J. Pal., vol. 46, no. 1, p. 128, text-fig. 3.
Michelle Formation, Lower Devonian, between Cranswick and Arctic Red Rivers, lat. 65°20'N, long. 131°50'W, Yukon.

*Carinatina dysmorphostrata* (Crickmay)
McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 9, figs. 6, 7 [ hypotype 16695 ].

*Carinatina lowtherensis* Johnson and Boucot
Syntypes 29014-29020
Johnson, J.G. and Boucot, A.J., 1972, J. Pal., vol. 46, no. 1, p. 37, pl. 1, figs. 1-14; text-fig. 3.
Lower Devonian, lat. 74.5°N, long. 97.5°W, northwest coast Lowther Island, Arctic.

*Catazyga anticostiensis* (Billings)
Hypotypes 29568, 29569
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 1, figs. 13, 14.
Vauréal Formation, Upper Ordovician, Oil River, west bank at second major bend above mouth, Anticosti Island, Quebec.

*Catazyga erratica* (Hall)
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv., Can., Econ. Geol. Rept. 1, pl. 4, fig. 17 [ hypotype 18670 ].

*Chaoiella* sp.
Fig. spec. 26995
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 17, fig. 1.
Tahkandit Formation, Permian, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

?*Chaoiella* sp.
Fig. spec. 26851
Bamber, E.W. and Waterhouse, J.B., 1971, Bull, Can. Petrol. Geol., vol. 19, no. 1, pl. 5, fig. 4.
Ettrain Formation equivalent, Carboniferous, lat. 65°53'N, long. 136°05½'W, Peel River, Yukon.

*Chilidiopsis roemeri* (Foerste)
Hypotypes 26526-26528
Chiang, K.K., 1972, J. Pal., vol. 46, no. 1, p. 21, pl. 2, figs. 26-30.
Amabel Formation, Middle Silurian, 1.5 miles north of Kemble, Keppel tp., Ontario.

*Chonetes canadensis* Billings
= *Dawsonelloides canadensis*, Boucot, A.J. and Harper, C.W., 1968, J. Pal., vol. 42, no. 1, p. 166 [ lectotype 3274 ].

Chonetid aff. *Strophochonetes* sp.
Fig. spec. 30483
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 8, fig. 19.
Thornloe Formation, Middle Silurian, Macnamara quarry, lot 6, con. VII, Armstrong tp., Ontario.

*Choristites* cf. *ussensis* (Stuckenberg)
Hypotype 26859
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 5, fig. 12.
Ettrain Foramtion equivalent, Carboniferous, lat. 65°53'N, long. 136°08'W, Peel River, Yukon.

*Choristites* sp.
Fig. specs. 26831, 26866, 26888, 26996
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 3, figs. 4, 5; pl. 7, fig. 6; pl. 8, fig. 5; pl. 17, fig. 2.
Carboniferous, Lisburne Group, lat. 68°23½'N, long. 138°26'W, Barn Mountains; Ettrain Formation, lat. 65°38½'N, long. 138°34½'W, Ogilvie River; Ettrain Formation equivalent, lat. 64°58½'N, long. 140°54'W, Tatonduk River; and Permian, Tahkandit Formation, Tatonduk River, Yukon.

Choristitinid
Fig. specs. 26448, 26451, 26826, 26911
Bamber, E.W. and Waterhouse, J.B., 1971, Bull Can. Petrol. Geol., vol. 19, no. 1, pl. 1, figs. 13, 16; pl. 2, fig. 17; pl. 11, fig. 10.
Carboniferous, Hart River Formation, lat. 66°10'N, long. 136°47½'W, headwaters of Eagle River, lat. 65°53'N, long. 136°05½'W, north bank of Peel River, approximatley 9 miles east of its confluence with Hart River, and lat. 66°01'N, long. 138°50½'W, Cathedral Rocks; Permian, Jungle Creek Formation, lat. 64°58½'N, long. 140°54'W, north bank Tatonduk River, 3 miles east of Alaska boundary, Yukon.

?Choristitinid
Fig. spec. 26834
Bamber, E.W., and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 3, figs. 8, 9.
Lisburne Group, Carboniferous, lat. 68°23½'N, long. 138°26'W, Barn Mountains, Yukon.

*Christiania* sp.
Fig. spec. 23301
Neuman, R.B., 1968, in Zen, E-an *et al.*, Studies of Appalachian Geology Northern and Maritime, pl. 3-1, fig. 4.
Ordovician, Twillingate quadrangle ½ mile northwest of Village Cove, New World Island, Newfoundland.

*Cleiothyridina lata* Shimer
Hypotype 21735
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 12, figs. 1a, b.
Banff Formation, Mississippian, Mount Greenock, Alberta.

*Cleiothyridina lata* Shiner
Hypotypes 22061, 22062
Macqueen, R.W. and Bamber, E.W., 1968, Geol. Surv. Can., Paper 67-47 (1967), pl. 1, figs. 5, 6.
Upper Banff Formation, 275 and 147 feet below top, Mississippian, Morrow Creek, Jasper Park and Mount Tyrrell, Alberta.

*Cleiothyridina* cf. *obmaximia* (McChesney)
Hypotype 21738
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 12, fig. 4.
Banff Formation, Mississippian, Mount Coleman, Alberta.

*Cleiothyridina* sp.
Fig. spec. 26816
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 2, fig. 6.
Ettrain Formation, Carboniferous, lat. 65°23'N, long. 140°40'W, headwaters of Ettrain and Jungle Creeks, Yukon.

?*Cleiothyridina* sp.
Fig. spec. 26876
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 9, fig. 5.
Ettrain Formation equivalent, Carboniferous, Tatonduk River, 3 miles east of Alaska boundary, Yukon.

*Cleiothyridina* or *Deltachania* sp.
Fig. spec. 26857
Bamber, E.W. and Waterhouse, J.B., 1971, Bull Can. Petrol. Geol., vol. 19, no. 1, pl. 5, fig. 10.
Ettrain Formation equivalent, Carboniferous, lat. 65°53'N, long. 136°08'W, Peel River, Yukon.

*'Coelospira' planoconvexa* (Hall)
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 7, fig. 2 [hypotype 17959 ].

*"Coelospira" planoconvexa* (Hall)
Hypotype 23574
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photo 11.
Manitoulin Formation, Lower Silurian, east of Ice Lake, Manitoulin Island, Ontario.

Common small atrypid
Fig. spec. 27710
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. D, fig. 16.
Fossil Hill Formation, Middle Silurian, along road into shore of Kagawong Lake, 2 miles east of Long Bay, Manitoulin Island, Ontario.

*Composita dawsoni* (Hall and Clarke)
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 15, figs. 1a, b [ hypotype 7501a ].

*Composita* cf. *subtilita* (Hall)
Hypotype 26829
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 3, figs. 1, 2.
Wahoo Formation, Lisburne Group, Carboniferous, lat. 69°22½'N, long. 140°36'W, Malcom River, British Mountains, Yukon.

*Composita* sp.
Fig. spec. 26830
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 3, fig. 3.
Wahoo Formation, Lisburne Group, Carboniferous, lat. 69°22½'N, long. 140°36'W, Malcom River, British Mountains, Yukon.

*Cortezorthis* aff. *bathurstensis* Johnson and Talent
Hypotypes 19614, 19615
Johnson, J.G., 1971, Geol. Soc. Amer., Mem. 121, p. 80, pl. 5, figs. 13-16.
Blue Fiord Formation, Lower Devonian, south bank of Sutherland River, lat. 76°19'N, long. 92°51'W, Prince Alfred Bay area, Devon Island, Arctic.

*Cortezorthis* n. sp. aff. *C. cortezensis* Johnson and Talent
Hypotypes 26614-26617
Ludvigsen, R., 1970, Bull. Can. Petrol. Geol., vol. 18, no. 3, pl. 1, figs. 1-9.
Michelle Formation, Lower Devonian, lat. 65°41.5'N, long. 137°26.5'W, east side Blackstone River, northern edge Ogilvie Mountain front and lat. 65°41'N, long. 137°01'W, south-facing ridge at northern edge of Ogilvie Mountains approximately halfway between Hart and Blackstone Rivers, Yukon.

*Cortezorthis maclareni* Johnson and Talent
Boucot, A.J., Johnson, J.G. and Talent, J.A., 1969, Geol. Soc. Amer., Sp. Paper 119, pl. 9, figs. 1, 2 [ paratype 19116 ], 3 [ paratype 19107 ], 4-6 [ holotype 19115 ].

*Costistricklandia* sp.
Fig. spec. 29750
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 12, fig. 22.
Chicotte Formation, Middle Silurian, coastal section second point west of Chicotte River, Anticosti Island, Quebec.

*Cranaena boucoti* Fagerstrom
Holotype 23078; paratypes 23079-23081
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 55, pl. 4, figs. 23-26.
Amherstburg Formation, Detroit River Group, Lower or Middle Devonian, Livingstone Channel dry cut, Detroit River, U.S.A.; Formosa Reef limestone, Detroit River Group, Middle Devonian, north and south ends of road-cut approximately 2½ miles north of Formosa; and Detroit River Group or Delaware Formation, Middle Devonian, dam at Brussels, Huron co., Ontario.

*Craniops* sp.
Fig. spec. 29727
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 11, fig. 7.
Jupiter Formation, Middle Silurian, coastal section, second creek east of Cape Ottawa, Anticosti Island, Quebec.

*Craspedalosia pulchella* (Dunbar)
Hypotypes 23828, 23829
Waterhouse, J.B., 1969, J. Pal., vol. 43, no. 1, p. 38, pl. 7, figs. 5, 7, 9, 12; pl. 10, fig. 14.
Permian, near Hillock Point, Sabine Peninsula, Melville Island, Arctic.

*Crurithyris aquilonia* Stehli and Grant
Holotype 26168
Stehli, F.G. and Grant, R.E., 1971, J. Pal., vol. 45, no. 3, p. 514, pl. 64, figs. 1-6.
Permian, ca. lat. 81°15'N, Svartevaeg Cliffs, Axel Heiberg Island, Arctic.

*Crurithyris* aff. *arcuata* (Girty)
Hypotype 27035
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 21, figs. 17, 18.
Permian sandstone unit, lat. 67°41'N, long. 136°19'W, Bell River, Yukon.

*Crurithyris* sp.
Fig. spec. 26889
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 8, fig. 6.
Ettrain Formation equivalent, Carboniferous, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Crurithyris* (?) sp.
Fig. spec. 23049
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 42, pl. 3, figs. 13-16.
Formosa Reef limestone, Detroit River Group, Middle Devonian, south end of road-cut approximately 2½ miles north of Formosa, Ontario.

*Cryptatrypa fahraeusi* Lenz
Holotype 25019; paratypes 25020-25025, 25144-25146
Lenz, A.C., 1970, J. Pal., vol. 44, no. 3, p. 492, pl. 86, figs. 11-24, 26, 28; text-fig. 6.
Road River Formation, Upper Silurian, Prongs Creek, lat. 65°17'30"N, long. 135°41'10"W, Yukon.

*Cryptatrypa nalivkini* (Nikiforova)?
Hypotype 25026-25032
Lenz, A.C., 1970, J. Pal., vol. 44, no. 3, p. 493, pl. 86, figs. 25, 27, 29-39.
Road River Formation, Upper Silurian, Prongs Creek, lat. 65°17'30"N, long. 135°41'10"W, Yukon.

*Cryptothyrella* sp.
Fig. spec. 23527
Neuman, R.B., 1968, in Zen, E-an *et al.*, Studies of Appalachian Geology Northern and Maritime, pl. 3-2, fig. 2.
Ordovician, Twillingate quadrangle, northwest shore Intricate Harbour, New World Island, Newfoundland.

*Cupularostrum* (?) *tethys* (Billings)
Hypotypes 23011, 23012
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 32.
Detroit River Group, Middle Devonian, 4½ miles west of Teeswater, Bruce co., Ontario.

*Cupularostrum*? sp.
Fig. spec. 20685
McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 11 , figs. 8-10.
Bird Fiord Formation, Middle Devonian, Driftwood Bay, Bathurst Island, Arctic.

*Cyrtia* aff. *C. exporrecta* (Wahlenberg)
Hypotype 25033
Lenz, A.C., 1970, J. Pal., vol. 44, no. 3, p. 496, pl. 87, figs. 1-4.
Road River Formation, Upper Silurian, Prongs Creek, lat. 65°17'30"W, long. 135°41'10"W, Yukon.

*Cyrtia myrtea* Billings
Hypotypes 29742, 29743
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 12, figs. 11, 15.
Chicotte Formation, Middle Silurian, Southwest Point road, approximately 0.6 mile inland from The Jumpers, Anticosti Island, Quebec.

*Cyrtia* sp.
Fig. specs. 26549-26554
Chiang, K.K., 1972, J. Pal., vol. 46, no. 1, p. 27, pl. 4, figs. 1-12.
Amabel Formation, Middle Silurian, 1.5 miles north of Kemble, Keppel tp., Ontario.

*Cyrtospirifer thalattodoxa* Crickmay
McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 9, fig. 27 [ hypotype 16563 ].

*Dalejina alsa* (Hall)
Hypotypes 22971, 22972
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), pl. 1, figs. 1, 2.
Bois Blanc Formation, Lower Devonian, about 1,000 feet north of bridge crossing Teeswater River, Greenock tp., Bruce co., one-third mile west of village of Chepstow, Ontario.

*Dalejina hybrida* (Sowerby)
Hypotypes 26509-26514, 26522
Chiang, K.K., 1972, J. Pal., vol. 46, no. 1, p. 20, pl. 1, figs. 23-34; pl. 2, figs. 16-22.
Amabel Formation, Middle Silurian, 1.5 miles north of Kemble, Keppel tp., Ontario.

*Dalejina* (?) sp.
Fig. spec. 22973
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 22, pl. 1, fig. 3.
Formosa Reef limestone, Detroit River Group, Middle Devonian, south end of road-cut, approximately 2½ miles north of Formosa, Ontario.

*Dalmanella conservatrix* McLearn
= *Salopina conservatrix*, Bassett, M.G., 1972, Palaeontographical Soc. Monographs, p. 39, text-fig. 3 [ paratype 6206 ].

*Dalmanella whittakeri* Raymond
= *Onniella whittakeri*, Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 4, fig. 10 [ paratype 3240a ].

*Dalmanella* sp.
Fig. specs. 29624-29626
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 5, figs. 6, 7, 12.
Ellis Bay Formation, Upper Ordovician, Becscie River Road, 3.4 miles south of west branch Becscie River crossing, Anticosti Island, Quebec.

*Davidsoniatrypa johnsoni* Lenz
Holotype 22655; paratypes 22654, 22656-22666
Lenz, A.C., 1968, J. Pal., vol. 42, no. 1, p. 183, pl. 32, figs. 1-28.
Johnson, J.G. and Boucot, A.J., 1972, J. Pal., vol. 46, no. 1, pl. 2, figs. 6-8 [ 22658 ], 9 [ 22656 ], 10, 11 [ 22655 ], 12, 13 [ 22664 ].
Lower Devonian, southernmost branch of headwaters of Royal Creek, lat. 64°46'12"N, long. 135°12'36"W, Yukon.

*Dawsonelloides canadensis* (Billings)
Hypotype 19613
Boucot, A.J. and Harper, C.W., 1968, J. Pal., vol. 42, no. 1, p. 166, pl. 28, fig. 21.
Percé Limestone, Devonian, Percé Rock, Gaspé, Quebec.

*Deltachania acanthatia* Waterhouse
Holotype 26422; paratypes 26418-26421, 26423
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, p. 217, pl. 26, figs. 1-9.
Carboniferous, Ettrain Formation, lat. 65°56'N, long. 136°14'W, near Peel River, and Ettrain Formation equivalent, lat. 65°53'N, long. 136°05½'W, Peel River [ 26418, 26419 ], Yukon.

*Delthyris* sp.
Fig. specs. 25041-25043
Lenz, A.C., 1970, J. Pal., vol. 44, no. 3, p. 497, pl. 87, figs. 21-27, 30, 32.
Road River Formation, Upper Silurian, Prongs Creek, lat. 65°17'30"N, long. 135°41'10"W, Yukon.

*Derbyia* cf. *grandis* Waagen
Hypotype 26986
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 18, fig. 1.
Tahkandit Formation, Permian, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Derbyia*? sp.
Fig. spec. 26929
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 13, fig. 2.
Jungle Creek Formation, Permian, lat. 65°53'N, long. 136°08'W, Peel River, Yukon.

*Desquamatia* n. sp.
Fig. specs. 26646, 26643
Ludvigsen, R., 1970, Bull. Can. Petrol. Geol., vol. 18, no. 3, pl. 2, figs. 16-22.
Michelle Formation, Lower Devonian, lat. 65°41.5'N, long. 137°26.5'W, east side Blackstone River at northern edge of Ogilvie Mountain front, Yukon.

*Devonoproductus secundus* Crickmay
Paratypes 25590-25592
Crickmay, C.H., 1963, Significant new Devonian brachiopods from western Canada, p. 26, pl. 14, figs. 18-20.
Flume Formation, Upper Devonian, lat. 53°56'N, mountain lying southeast of Cecilia Lake, British Columbia.

*Dicaelosia acutilobus* (Ringueberg)
= *Dicoelosia acutilobus*, Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 7, fig. 9 [ hypotype 17965 ].

*Dicaelosia* cf. *D. biloba* (Linnaeus)
= *Dicoelosia* cf. *D. biloba*, Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 8, fig. 16 [ hypotype 15788 ].

*Dicoelosia* sp. cf. *D. biloba* (Linnaeus)
Hypotype 29687
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 8, figs. 11, 12, 14.
Jupiter Foramtion, Middle Silurian, creek section 1½ miles west of mouth of Jupiter River, Anticosti Island, Quebec.

Dictyoclostid sp. (?*Umboanctus*)
Fig. spec. 26874
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 9, fig. 3.
Ettrain Formation equivalent, Carboniferous, Tatonduk River, 3 miles of Alaska boundary, Yukon.

Dictyoclostinid
Fig. spec. 26852
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 5, fig. 5.
Ettrain Formation equivalent, Carboniferous, lat. 65°53'N, long. 136°05½'W, Peel River, Yukon.

*Dictyoclostus* cf. *D. neoinflatus* Licharew
= *Antiquatonia* cf. *neoninflatus*, Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 14, fig. 3 [ hypotype 13527 ].

*Dictyonella* sp.
Fig. specs. 26520, 26521
Chiang, K.K., 1972, J. Pal., vol. 46, no. 1, p. 20, pl. 2, figs. 11-13, 15.
Amable Formation, Middle Silurian, 1.5 miles north of Kemble, Keppel tp., Ontario.

*Dictyonina* sp.
Fig. specs. 24568-24571
Rowell, A.J., 1971, Smithsonian Contr. Paleobiology, no. 3, p. 75, pl. 1 figs. 4-6, 8, 12.
Cambrian lat. 71°28'N, long. 15°36'W, Minto Inlet, Victoria Island, Northwest Territories.

Dielasmatid
Fig. specs. 26450, 26858, 26871
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 1, fig. 15; pl. 5, fig. 11; pl. 6, fig. 5.
Carboniferous, Hart River Formation, lat. 65°53'N, long. 136°05½'W, north bank of Peel River, approximately 9 miles east of its confluence with Hart River, and Ettrain Formation, lat. 65°53'N, long. 136°05½'W, Peel River, Yukon.

*Dinobolus erectus* Wilson
= *Eodinobolus erectus*, Norford, B.S. and Steele, H.M., 1969, Palaeontology, vol. 12, no. 1, p. 169, pl. 33, figs. 36, 37 [ holotype 6301 ].

*Dinorthis columbia* Wilson
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 5, fig. 4 [ hypotype 16892 ].

*Dinorthis rockymontana* Wilson
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 5, fig. 2 [ hypotype 16885 ].

*Doleroides germanus* Steele and Sinclair
Holotype 22481; paratypes 22482-22488
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 32, pl. 13, figs. 28-31.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Dolerorthis flabellites* (Foerste)
Hypotypes 27691, 27692, a, 27708
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. C, figs. 5, 10; pl. D, fig. 10.
Manitoulin and Fossil Hill Formations, Lower and Middle Silurian, East-West secondary road, ¾ mile east of Rockville road, Bidwell tp., and main highway at southwest end of Lake Manitou, ¾ mile east of Carnarvon-Sandfield tps. boundary, Manitoulin Island, Ontario.

*Dolerothis flabellites* var. *euorthis* Foerste
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photo 3 [ hypotype 20472 ].

?*Dolerothis* sp.
Fig. specs. 26498, 26499
Chiang, K.K., 1972, J. Pal., vol. 46, no. 1, p. 17, pl. 1, figs. 1-6.
Amabel Formation, Middle Silurian, 1.5 miles north of Kemble, Keppel tp., Ontario.

?*Dolerorthis* sp.
Fig. spec. 24970
Lenz, A.C., 1970, J. Pal., vol. 44, no. 3, p. 483, pl. 83, figs. 1, 2.
Road River Formation, Upper Silurian, Prongs Creek, lat. 65°17'30"N, long. 135°41'30"W, Yukon.

*Dolerorthis* spp.
Fig. specs. 30470, 30471, 30533
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 8, figs. 3, 17; pl. 12, fig. 9.
Thornloe Formation, Middle Silurian, northwestern point Mann Island, Lake Timiskaming, Quebec; lot 5, con. II, Harris tp.; and lots 3-2, cons. III-IV, Harris tp., Ontario.

"*Eatonia medialis* var." Meyer
Hypotype 20687
McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 11, figs. 6, 7.
Blue Fiord Formation, Middle Devonian, Ellesmere Island, Arctic.

*Echinalosia* sp.
Fig. specs. 23803-23806
Waterhouse, J.B., 1969, J. Pal., vol. 43, no. 1, p. 29, pl. 10, figs. 2, 4, 7-13.
Permian, Sabine Peninsula, Melville Island, Arctic.

?*Echinaria* sp.
Fig. spec. 26867
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 6, figs. 1, 6.
Ettrain Formation, Carboniferous, lat. 65°23'N, long. 140°38'W, on spur leading west from peak at headwaters of Ettrain and Jungle Creeks, Yukon.

Echinoconchid
Fig. specs. 26881, 26882
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 9, figs. 10, 11.
Ettrain Formation equivalent, Carboniferous, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

Echinoconchid *(Bathymyonia* or *Calliprotonia)*
Fig. specs. 26930, 26952
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 13, figs. 3; pl. 15, fig. 2.
Permian, lat. 67°31'N, long. 136°32½'W, Bell River, northern Richardson Mountains; Jungle Creek Formation, lat. 64°58½'N, long. 140°54'W, north bank of Tatonduk River, Yukon.

*Echinoconchus inexpectatus* Cooper
Hypotypes 23532-23534
Logan, A. and McGugan, A., 1968, J. Pal., vol. 42, no. 5, p. 1132, pl. 141, figs. 4-6.
Ranger Canyon Chert, Ishbel Group, Permian, on ridge Winnifred Pass, Alberta.

*Ehlersella davidsoni* (Billings)
Hypotypes 22962, 22963
Gauri, K.L. and Boucot, A.J., 1968, Palaeontographica, Bd. 131, Abt. A, p. 99, pl. 6, fig. 4; pl. 7, figs. 1-3; text-figs. 12a, b.
Middle Silurian, Cap Chat River area, Gaspé, Quebec.

*Ehlersella davidsoni* (Billings)
Hypotypes 29723, 29724
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 11, figs. 4, 12.
Jupiter Formation, Middle Silurian, coastal sections 3 and 4 miles east of Cape Ottawa, Anticosti Island, Quebec.

*Eleutherokomma* cf. *E. hamiltoni* Crickmay
McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, fig. 20 [ hypotype 16715 ].

*Eleutherokomma impennis* Crickmay
Paratype 27769
Crickmay, C.H., 1953, New spiriferidae from the Devonian of western Canada, p. 3, pl. 2, fig. 5.
Beaverhill Lake Formation, Middle Devonian, depth 341-352 feet, Bear Westmount no. 2 well, l.s.d. 8, sec. 36, tp. 88, rge. 8, W. 4th mer., Alberta.

*Eleutherokomma implana* Norris

McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, figs. 11, 12 [paratype 16106].

*Eleutherokomma scymnus* Crickmay

Holotype 25571; paratypes 25572, 25573

Crickmay, C.H., 1967, The method of indivisible aggregates in studies of the Devonian, p. 12, pl. 4, figs. 1 [ 25571 ], 2 [ 25573 ], 3 [ 25572 ].

Moberly Member, Waterways Formation, Upper Devonian, right bank of Clearwater River, 7½ miles east of Waterways, Alberta.

*Emanuella caligatae* Crickmay

Holotype 25552; paratype 25553

Crickmay, C.H., 1967, The method of indivisible aggregates in studies of the Devonian, p. 8, pl. 3, figs. 1-5 [ 25552 ], 6 [ 25553 ].

Middle Devonian, lat. 56°26'N, long. 123°32'W, Whistler Mountain, British Columbia.

*Emanuella meristoides* (Meek)

McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, figs. 4-6 [ hypotype 16701 ].

*Emanuella sluzari* Crickmay

Holotype 25554; paratype 25555

Crickmay, C.H., 1967, The method of indivisible aggregates in studies of the Devonian, p. 8, pl. 3, figs. 16-20.

Middle Devonian, Imperial *et al* . Faust South No. 6-2, at 6823 feet, l.s.d. 6, sec. 2, tp. 72, rge. 11, W. 5th mer., Alberta.

*Emanuella vernilis* Crickmay

Holotype 25556; paratypes 25557, 25558

Crickmay, C.H., 1967, The method of indivisible aggregates in studies of of the Devonian, p. 8, pl. 2, fig. 19 [ 25558 ]; pl. 3, figs. 7 [ 25557], 8, 9 [ 25556 ].

Middle Devonian, Burnt Point on northwest shore of Great Slave Lake, Northwest Territories.

*Emanuella* sp. F

McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, fig. 10 [ fig. spec. 16707 ].

*Eochonetes* sp.

Fig. specs. 23528, 23529

Neuman, R.B., 1968, in Zen, E-an *et al.*, Studies of Appalachian Geology Northern and Maritime, pl. 3-2, figs. 4a-f.

Ordovician, Twillingate quadrangle, northwest shore of Intricate Harbour, New World Island, Newfoundland.

*Eocoelia hemispherica* (Sowerby)
Hypotype 17090
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 7, fig. 6.
Jupiter Formation, Middle Silurian, creek section 2 miles east of Cape MacGilvray, south shore Anticosti Island, Quebec.

*Eocoelia hemisphaerica* (Sowerby)
Hypotypes 29697, 29698
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 9, figs. 6, 10.
Jupiter Formation, Middle Silurian, Jupiter River fire tower road, 3.1 miles south of junction with road to 12-mile lodge, Anticosti Island, Quebec.

*Eocoelia* sp.
Fig. specs. 30458-30460
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 6, figs. 8, 13, 14.
Thornloe Formation, Middle Silurian, Dawson Point wharf area, Lake Timiskaming, Ontario.

*Eodalmanella* sp.
Fig. spec. 23303
Neuman, R.B., 1968, in Zen, E-an, *et al.*, Studies of Appalachian Geology Northern and Maritime, pl. 3-1, figs. 5a-d.
Ordovician, Twillingate quadrangle ½ mile northwest of Village Cove, New World Island, Newfoundland.

*Eodevonaria melonica* (Billings)
Hypotypes 19607-19612
Boucot, A.J. and Harper, C.W., 1968, J. Pal., vol. 42, no. 1, p. 156, pl. 27, figs. 8-11.
Gaspé Sandstone, Devonian, Fourth Lake Brook, Gaspé, Quebec.

*Eodinobolus canadensis* (Billings)
Hypotypes 22943-22956
Norford, B.S. and Steele, H.M., 1969, Palaeontology, vol. 12, no. 1, p. 167, pl. 33, figs. 8-28.
Rockland Formation, Middle Ordovician, Fourth Chute, Bonnechere River, Ontario.

*Eodinobolus erectus* (Wilson)
Hypotypes 22942, 22957-22959
Norford, B.S. and Steele, H.M., 1969, Palaeontology, vol. 12, no. 1, p. 169, pl. 33, figs. 29-35.
Rockland Formation, Middle Ordovician, Fourth Chute, Bonnechere River, Ontario.

*Eodinobolus laurentinus* var. *ellisensis* (Twenhofel)
Hypotypes 29627, 29648
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 5, fig. 8; pl. 6 fig. 14.
Ellis Bay Formation, Upper Ordovician, coastal section east of Port Menier between Anse aux Navets and Cap à l'Aigle, and La Loutre River road, 3.8 miles south of main highway, Anticosti Island, Quebec.

*Eodinobolus magnificus* (Billings)
Hypotypes 22930-22941
Norford, B.S. and Steele, H.M., 1969, Palaeontology, vol. 12, no. 1, p. 164, pl. 32, figs. 4-7, 12-26.
Rockland Formation, Middle Ordovician, Fourth Chute, Bonnechere River, Ontario.

*Eoparaphorhynchus lentiformis* (Nalivkin)
Hypotypes 15564-15577, 15696
Sartenaer, P.,
1968, Internat. Symp. Devonian System, vol. 2, pl. 1, figs. 3a-e [ hypotype 15564 ].
1969, Geol. Surv. Can., Bull. 169, p. 79, pl. 9, figs 1a-e, 3a-8e; text-fig. 18.
Sassenach Formation, Upper Devonian, Beaver Ridge between Medicine and Beaver Lakes; slope above third and second gully on mountain to north of Beaver Lake; and Proposal Mountain, south end of Medicine Lake, Jasper National Park, Alberta.

*Eoparaphorhynchus maclareni* Sartenaer
Sartenaer, P.,
1968, Internat. Symp. Devonian System, vol. 2, pl. 1, figs. 1a-e [ paratype 15581 ].
1969, Geol. Surv. Can., Bull. 169, p. 63, pl. 6, figs. 1a-12b; pl. 7, figs. 5a-9b; text-figs. 13-15 [ holotype 15578; paratypes 15579-15608 ].

*Eoparaphorhynchus walcotti* (Merriam)
Hypotypes 15552-15555, 15557-15561
Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 72, pl. 8, figs. 4a-d, 6a-e, 8, 11; text-fig. 17.
Sassenach Formation, Upper Devonian, top of Prospect Mountain near Mountain Park and northwest side of Deception Creek, Alberta.

*Eoplectodonta*(?) sp.
Fig. spec. 30405
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 1, fig. 13.
Wabi Formation, Middle Silurian, lots 2-3, con. V, Harris tp., Ontario.

*Eospirifer radiatus* (Sowerby)
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 16 [ hypotype 20520 ].

*Eospirifer radiatus* (Sowerby)
Hypotype 27707
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. D, fig. 6.
Fossil Hill Formation, Middle Silurian, junction of Manitowaning-South Baymouth and The Slash roads, lot 4, con. II, Assiginack tp., Manitoulin Island, Ontario.

*Eospirifer radiatus* (Sowerby)
Hypotypes 29715, 29731
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 10, fig. 13; pl. 12, fig. 1.
Jupiter and Chicotte Formations, Middle Silurian, end of road 5½ miles west along first southwest road south of Jupiter fire tower, and Southwest Point road, approximately 2 miles inland from The Jumpers, Anticosti Island, Quebec.

*Etymothyris gaspensis* Boucot
Fig. spec. 20692
McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv., Can., Econ. Geol. Rept. 1, pl. 11, fig. 31.
York River Formation, Lower Devonian, St. John River downstream from junction of Little Fork Brook, Gaspé, Quebec.

*Etymothyris gaspensis* (Clarke)
Hypotypes 23305-23323
Boucot, A.J. and Johnson, J.G., 1967, Tulsa Geol. Soc. Digest, vol. 35, pl. 1, figs. 1-9; pl. 2, figs. 1-10.
Boucot, A.J., Johnson, J.G. and Talent, J.A., 1969, Geol. Soc. Amer., Sp. Paper 119, pl. 19, fig. 1 [ 23322 ].
York River Formation, Lower Devonian, Fourth Lake Brook between 1500 and 2500 feet upstream from mouth at York River, eastern Gaspé, Quebec.

*Etymothyris gaspensis* (Clarke)
Hypotype 23324
Boucot, A.J., Johnson, J.G. and Talent, J.A., 1969, Geol. Soc. Amer., Sp. Paper 119, pl. 19, figs. 13, 14.
York River Formation, Lower Devonian, Fourth Lake Brook between 1500 and 2500 feet upstream from mouth at York River, eastern Gaspé, Quebec.

*Euidothyris francescalaurae* Crickmay
Holotype 25688; paratype 25689
Crickmay, C.H., 1930, Bull. Dept. Geol. Sci., Univ. Calif., vol. 19, no. 2, p. 42, pl. 6, figs. d-f.
Ntlakapamux Formation, Jurassic, small ravine near bottom of west slope of Rattlesnake Hill, 3 3/8 miles N38°E of Ashcroft Bridge, British Columbia.

*Euidothyris lucerna* Crickmay
Holotype 27756; paratype 27757
Crickmay, C.H., 1933, Bull. Geol. Soc. Amer., vol. 44, no. 5, p. 882, pl. 21, figs. 1-4.
Mormon Formation, Jurassic, northwest slope of the Knob, elevation 4950 feet, Mount Jura, California, U.S.A.

*Evanescirostrum seversoni* (McLaren)
Hypotypes 15609-15625
Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 126, pl. 17, figs. 2a-10b; text-fig. 30.
Palliser Formation, Upper Devonian, Healy Creek, Bourgeau Range; Mount Coleman; and left bank McLeod River, opposite Inland Cement quarry, Cadomin, Alberta.

*Evanescirostrum* sp. A
Fig. spec 15521
Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 132, pl. 19, figs. 1a-e.
Kotcho Formation, Upper Devonian, ridge north end of Nabesche River, lat. 56°22'N, long. 123°27'W, British Columbia.

*Fardenia alterniradiata* (Shaler)
Hypotypes 29717, 29718
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 10, figs. 15, 16.
Jupiter Formation, Middle Silurian, coastal section east end of Cape Ottawa, and Rock pool section, Jupiter River, approximately 6 miles above mouth, Anticosti Island, Quebec.

*Fardenia plicata* Bolton
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photo 37 [ hypotype 20473 ].
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. C, fig. 16 [ hypotype 20474 ].

*Fardenia plicata* Bolton
Hypotypes 23579, 23580
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Isalnd, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photos 42, 43.
Manitoulin Formation, Lower Silurian, main highway ½ mile east of Ice Lake, Manitoulin Island, Ontario.

*Ferganella* cf. *F. lincolnensis* Johnson
Hypotypes 25000-25006
Lenz, A.C., 1970, J. Pal., vol. 44, no. 3, p. 487, pl. 85, figs. 1-15.
Road River Formation, Upper Silurian, Prongs Creek, lat. 65°17'30"N, long. 135°41'10"W, Yukon.

*Ferganella* sp.
Fig. spec. 26533
Chiang, K.K., 1972, J. Pal., vol. 46, no. 1, p. 23, pl. 3, figs. 1, 2.
Amabel Formation, Middle Silurian, 1.5 miles north of Kemble, Keppel tp., Ontario.

?*Fimbriaria* sp.
Fig. spec. 26875
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 9, fig. 4.
Ettrain Formation equivalent, Carboniferous, Tatonduk River, 3 miles east of Alaska boundary, Yukon.

*Fimbrispirifer divaricatus* (Hall)
Hypotypes 23074-23076
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 47, pl. 5, figs. 1-3.
Amherstburg Formation, Lower or Middle Devonian, Livingstone Channel dry cut, Detroit River, U.S.A.

*Fistulogonites novaterrensis* Neuman
Holotype 24776; paratypes 24777-24780
Neuman, R.B., 1971, Smithsonian Contr. Paleobiology, no. 3, p. 117, pl. 1B, figs. 1-7.
Middle Ordovician, one-half mile northwest of Village Cove, New World Island, Newfoundland.

*Flexaria* sp.
Fig. specs. 26441, 26442, 26811
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 1, figs. 5, 6, 20.
Hart River Formation, Carboniferous, lat. 66°10'N, long. 136°47½'W, headwaters of Eagle River, and lat. 65°53'N, long. 136°05½'W, north bank of Peel River, approximately 9 miles east of confluence with Hart River, Yukon.

?*Flexaria* sp.
Fig. spec. 26452
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 1, fig. 17.
Hart River Formation, Carboniferous, lat. 65°53'N, long. 136°05½'W, north bank of Peel River, approximately 9 miles east of its confluence with Hart River, Yukon.

*Gastrodetoechia utahensis* (Kindle)
= *Gastrodetoechia utahensis rugosa*, Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 53, pl. 7, fig. 3 [ paratype 15858 ].

*Gastrodetoechia utahensis rugosa* Sartenaer
Holotype 15857; paratypes 15859-15861
Sartenaer, P.,
1968, Internat. Symp. Devonian System, vol. 2, pl. 1, figs. 9a-d [ 15857 ].
1969, Geol. Surv. Can., Bull. 169, p. 53, pl. 7, figs. 1a-e, 2, 4; text-fig. 11.
Upper Devonian, North Nahanni River valley, lat. 62°21'N, long. 123°43'W and north-east side of Root River, Northwest Territories.

*Gastrodetoechia utahensis utahensis* (Kindle)
Hypotype 15545
Sartenaer, P.,
1968, Internat. Symp. Devonian System, vol. 2, pl. 1, fig. 8.
1969, Geol. Surv. Can., Bull. 169, p. 47, pl. 5, fig. 4.
Palliser Formation, Upper Devonian, north side of the Gap, North Saskatchewan River, Alberta.

*Gastrodetoechia utahensis utahensis* (Kindle)
Hypotypes 15538, 15541, 15542, 15544, 15546-15549, 15563
Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 47, pl. 5, figs. 2a, b, 6, 8a-d; text-fig. 10.
Costigan Member, Palliser Formation, Upper Devonian, 2600 feet north of 7000-foot knob at head of Lundine Creek and elevation 5400 feet, ¼ mile east of west border and 1¼ miles south of north border of Alexo map-area; south side of Winnifred Pass; north side of the Gap, North Saskatchewan River; Mount Coleman; and creek 1½ miles to north, on west side of Idlewilde Mountain, Alberta.

*Gemmulicosta gemma* Waterhouse
Holotype 26407; paratypes 26403-26406, 26408, 27778-27782
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no 1, p. 210, pl. 23, figs. 18, 19; pl. 24, figs. 1-6.
Carboniferous, Ettrain Formation, lat. 65°56'N, long. 136°14'W, near Peel River, and Ettrain Formation equivalent, lat. 65°53'N, long. 136°05½'W, Peel River [ 26405 ], Yukon.

*Gemmulicosta* cf. *gemma* Waterhouse
Hypotypes 26843, 26846
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 4, figs. 4, 8.
Ettrain Formation, Carboniferous, lat. 65°53'N, long. 136°08'W, Peel River, Yukon.

*Gibbospirifer ettrainensis* Waterhouse
Holotype 26439; paratypes 26438, 26440, 26441
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, p. 221, pl. 27, figs. 6-13.
Permian, Ettrain Formation equivalent, lat. 64°58½'N, long. 140°54'W, north bank Tatonduk River, 3 miles east of Yukon-Alaska boundary, and Ettrain Formation, lat. 65°23'N, long. 140°40'W, headwaters of Ettrain and Jungle Creeks, Yukon.

?*Gigantoproductus* sp.
Fig. spec. 21749
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 13, fig. 6.
Carnarvon Formation, Mississippian, head of Storm Creek, southwest corner of Mount Rae, Misty Range, Alberta.

*Glassia variabilis* Whiteaves

Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M. and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 8, figs. 10, 13, 17 [ hypotype 16900 ].

?*Glassina* cf. *laeviuscula* (Sowerby)

Hypotype 26555

Chiang, K.K., 1972, J. Pal., vol. 46, no. 1, p. 26, pl. 4, figs. 13-15.

Amabel Formation, Middle Silurian, 1.5 miles north of Kemble, Keppel tp., Ontario.

*Glyptorthis insculpta manitoulinensis* Foerste

Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 4, fig. 20 [ holotype 6784 ].

Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. B, fig. 6.

*Glyptorthis insculpta* var. *manitoulinensis* Foerste

Hypotype 27680

Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. B, fig. 10.

Georgian Bay Formation (Kagawong beds), Upper Ordovician, road exposure along boundary Howland and Bidwell tps., approximately 3½ miles west of Sheguiandah, Manitoulin Island, Ontario.

*Glyptorthis rocklandensis* (Wilson)

Hypotypes 22425-22432

Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 29, pl. 13, figs. 19-27.

Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Gorgostrophis* sp. cf. *G. neutra* (Barrande)

Hypotypes 26627, 26628

Ludvigsen, R., 1970, Bull. Can. Petrol. Geol., vol. 18, no. 3, pl. 1, figs. 25-27.

Michelle Formation, Lower Devonian, lat. 65°41.5'N, long. 137°26.5'W, east side Blackstone River at northern edge of Ogilvie Mountain front, Yukon.

*"Gypidula" loweryi* (Merriam)

Hypotypes 26620, 26621

Ludvigsen, R., 1970, Bull. Can. Petrol. Geol., vol. 18, no. 3, pl. 1, figs. 16-19.

Michelle Formation, Lower Devonain, lat. 65°38.2'N, long. 136°44'W, west side Hart River at northern edge of Ogilvie Mountains, Yukon.

*Gypidula recurrens* (Meyer)

Hypotype 20684

McLaren, D.J., Norris, A.W., and Cumming, L,M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 11, figs. 11, 12.

Blue Fiord Formation, Middle Devonian, Ellesmere Island, Arctic

*Gypidula*

= *Gypidula pelagica*, McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, figs. 1, 2 [ hypotype 16688 ].

*Gypidula* (?) sp.

Fig. spec. 23004

Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 30, pl. 1, figs. 19, 20.

Amherstburg Formation, Detroit River Group, Lower or Middle Devonian, Livingstone Channel dry cut, Detroit River, U.S.A.

*Gypidula* sp.

Fig. specs. 24990-23993

Lenz, A.C., 1970, J. Pal., vol. 44, no. 3, p. 487, pl. 84, figs. 16-22, 24.

Road River Formation, Upper Silurian, Prongs Creek, lat. 64°17'30"N, long. 135°41'10"W, Yukon.

?*Gypidula* sp.

Fig. specs. 26523-26525

Chiang, K.K., 1972, J. Pal., vol. 46, no. 1, p. 21, pl. 2, figs. 23-25.

Amabel Formation, Middle Silurian, 1.5 miles north of Kemble, Keppel tp., Ontario.

*Hadrorhynchia sandersoni* (Warren)

McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 9, figs. 24, 25 [ hypotype 15331 ].

*Hallina canadensis* Steele and Sinclair

Holotype 22489; paratypes 22490-22504

Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 33, pl. 15, figs. 1-18.

Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Hebertella maria* (Billings)

Hypotypes 29599, 29618-29621

Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 4, fig. 2; pl. 5, figs. 2, 4, 13, 15.

Ellis Bay Formation, Upper Ordovician, Junction Cliff, and Becscie River road 3.4 miles south of west branch Becscie River crossing, Anticosti Island, Quebec.

*Hebetoechia* cf. *H. hebe* (Barrande)

Hypotypes 25014-25018

Lenz, A.C., 1970, J. Pal., vol. 44, no. 3, p. 489, pl. 86, figs. 1-10; text-figs. 3, 4.

Road River Formation, Upper Silurian, Prongs Creek, lat. 65°17'30"N, long. 135°41'10"W, Yukon.

*Hedeina eudora* (Hall)
Hypotypes 26545-26547
Chiang, K.K., 1972, J. Pal., vol. 46, no. 1, p. 28, pl. 3, figs. 26-29, 34; pl. 4, figs. 16, 17.
Amabel Formation, Middle Silurian, 1.5 miles north of Kemble, Keppel tp., Ontario.

*Hemithiris psittacea* (Gmelin)
Hypotype 20131
Wagner, F.J.E.,
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, figs. 11, 12.
1971, ibid., Bull. 181 (1970), p. 28, pl. 2, figs. 15a, b.
Pleistocene, 0.2 miles southeast of Highway 3, and 0.75 mile due east of St. Nicholas, Quebec.

*Hemithiris psittacea* (Gmelin)
Hypotype 22051
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, figs. 13: 7, 8.
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 2, figs. 1, 2.
Recent, Hudson Bay, depth 62 metres, lat. 58°30'N, long. 91°57'W.

*Hesperorthis cooperi* Chiang
Holotype 26564; paratypes 26565-26569
Chiang, K.K., 1972, J. Pal., vol. 46, no. 3, p. 356, pl. 1, figs. 1-17.
Fossil Hill Formation, Middle Silurian, lots 12-13, con. II, Derby tp., southwest of Owen Sound, Ontario.

*Hesperorthis laurentina* (Billings)
Hypotypes 29609, 29610, 29617
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 4, figs. 12, 16; pl. 5, fig. 1.
Ellis Bay Formation, Upper Ordovician, coastal section eastern edge of Port Menier, and Becscie River road, 3.4 miles south of west branch Becscie River crossing, Anticosti Island, Quebec.

*Hesperorthis ontarioensis* Chiang
Holotype 26570; paratypes 27051-27057
Chiang, K.K., 1972, J. Pal., vol. 46, no. 3, p. 357, pl. 1, figs. 18-35.
Fossil Hill Formation, Middle Silurian, lots 12-13, con. II, Derby tp., southwest of Owen Sound, Ontario.

*Hesperorthis tricenaria* (Conrad)
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 4, fig. 7 [ hypotype 1151 ].

*Hesperorthis* sp.
Fig. specs. 26501, 26502
Chiang, K.K., 1972, J. Pal., vol. 46, no. 1, p. 17, pl. 1, figs. 11-14.
Amabel Formation, Middle Silurian, 1.5 miles north of Kemble, Keppel tp., Ontario.

*Heteralosia* sp.
Fig. spec. 26842
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 4, fig. 3.
Ettrain Formation equivalent, Carboniferous, lat. 65°53'N, long. 136°05½'W, Peel River, Yukon.

*Heterorthella maehli* Harper, Boucot and Walmsley
Holotype 19226; paratypes 19220-19225, 19227, 19229
Harper, C.W., Boucot, A.J., and Walmsley, V.G., 1969, J. Pal., vol. 43, no. 1, p. 80, pl. 15, figs. 4a-10, 12.
French River Formation, Middle Silurian, Pictou co., Nova Scotia.

*Hindella umbonata* (Billings)
Hypotype 29613
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 4, fig. 15.
Ellis Bay Formation, Upper Ordovician, logging road east from southern end of Petit Lac Ste. Marie, Anticosti Island, Quebec.

*Homoeospira apriniformis* Hall
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Assoc. Ann. Field Excursion, fig. 13, photo 8 [ hypotype 20529 ].

*Horridonia* aff. *granulifera* (Toula)
Hypotypes 27028, 27029
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 21, figs. 8, 9.
Permian sandstone unit, lat. 67°41'N, long. 136°19'W, Bell River, Yukon.

*Horridonia* sp.
Fig. spec. 21762
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 14, fig. 5.
Permian, lat. 65°53'N, long, 136°07'W, Peel River area, Yukon.

*Howellella* aff. *H. nictavensis* (Dawson)
Hypotypes 16519-16522
Boucot, A.J., Cumming, L.M., and Jaeger, H., 1967, Geol. Surv. Can., Paper 67-25, p. 4, pl. 1, figs. 10-13.
'Heppel' Formation, Lower Devonian, lower part of hill where Lacroix Road reaches Four Mile Brook, 5 miles east of Causapscal, Quebec.

*Howellella* cf. *H. nucula* (Barrande)
Hypotypes 25044-25046, 25128
Lenz, A.C., 1970, J. Pal., vol. 44, no. 3, p. 498, pl. 87, figs. 28, 29, 31, 33-36.
Road River Formation, Upper Silurian, Prongs Creek, lat. 65°17'30"N, long. 135°41'10"W, Yukon.

*Howellella* (?) *submersa* (Grabau)

Hypotypes 23054-23065

Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 44, pl. 7, figs. 15-21.

Lucas and Amherstburg Formations, Formosa Reef limestone, Detroit River Group, Middle Devonian, east quarry of France Stone Company, about 2.5 miles southwest of Sylvania, Lucas co., Ohio; Livingstone Channel dry cut, Detroit River, U.S.A.; just below falls on Teeswater River, lot 4, cons. III-IV, Culross tp., Bruce co.; and south end of road-cut approximately 2½ miles north of Formosa, Ontario.

*Howellella* (?) sp.

Fig. specs. 23066-23071

Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 45, pl. 7, figs. 24-26.

Detroit River Group, Middle Devonian, west bank of Teeswater River approximately 500 feet and just below the falls, lot 4, cons. III-IV, Culross tp., Bruce co., Ontario.

*Howellella* sp.

Fig. spec. 26548

Chiang, K.K., 1972, J. Pal., vol. 46, no. 1, p. 28, pl. 3, figs. 30-33.

Amabel Formation, Middle Silurian, 1.5 miles north of Kemble, Keppel tp., Ontario.

*Hyattidina junea* (Billings)

Hypotype 29712

Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 10, fig. 8.

Jupiter Formation, Middle Silurian, Jupiter River fire tower road, 3.1 miles south of junction with road to 12-mile lodge, Anticosti Island, Quebec.

Indeterminate rhynchonellid sp.

Hypotype 23325

Boucot, A.J. and Johnson, J.G., 1968, J. Pal., vol. 42, no. 5, p. 1208, pl. 160, figs. 16, 17.

Stuart Bay Formation, Lower Devonian, southeast coast of Helena Island, Bathurst Island Group, ca. lat. 76°33'N, long. 101°12'W, Arctic.

*Indospirifer orestes* (Hall and Whitfield)

McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, figs. 27, 28 [ hypotype 13811 ].

*Indospirifer* sp.

Fig. spec. 20688

McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 11, figs. 2, 3.

Blue Fiord Formation, Middle Devonian, Ellesmere Island, Arctic.

*Innuitella innuitana* Crickmay

Holotype 25543; paratypes 25544-25546

Crickmay, C.H., 1968, Discoveries in the Devonian of western Canada, p. 5, pl. 2, figs. 1-5 [ 25544 ], 6-12 [ 25545 ], 13, 14 [ 25546 ]; pl. 6, figs. 1-5 [ 25543 ].

Lower Devonian, lat. 68°3'2"N, long. 133°59'42"W, Yukon.

*Jakutoproductus* sp.

Fig. specs. 26968-26970

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 15, figs. 18-20.

Jungle Creek Formation, Permian, lat. 65°53'N, long. 136°08'W, Peel River; lat. 64°58½'N, long. 140°54'W, north bank of Tatonduk River [ 26969 ], Yukon.

*Kochiproductus freboldi* (Stepanow)

Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 14, fig. 16 [ hypotype 13534 ].

*Kochiproductus* aff. *porrectus* (Stuckenberg)

Hypotype 26972

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 16, fig. 1.

Jungle Creek Formation, Permian, lat. 64°58½'N, long. 140°54'W, north bank of Tatonduk River, Yukon.

*Kochiproductus* cf. *porrectus* (Stuckenberg)

Hypotype 26936

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 13, fig. 9.

Permian, lat. 67°31'N, long. 136°32½'W, Bell River, northern Richardson Mountains, Yukon.

*Kochiproductus* cf. *transversus* Cooper

Hypotype 26918

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 12, fig. 5.

Jungle Creek Formation, Permian, near Ogilvie River, Yukon.

*Kozlowskia* sp.

Fig. spec. 26902

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 11, fig. 1.

Ettrain Formation, Carboniferous, lat. 65°23'N, long. 140°40'W, headwaters of Ettrain and Jungle Creeks approximately 10 miles from Alaska boundary, Yukon.

*Krotovia* cf. *oregonensis* (Cooper)

Hypotype 26926

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 12, fig. 15.

Jungle Creek Formation, Permian, lat. 64°58½', long. 140°54'W, north bank of Tatonduk River, Yukon.

*Krotovia pustulatus* (Keyserling)
Hypotypes 26971, 26973
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 15, fig. 21; pl. 16, fig. 2.
Jungle Creek Formation, Permian, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Krotovia* aff. *pustulata* (Keyserling)
Hypotype 26957
Bamber, E.W. and Waterhouse, J.B., 1971, Bull, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 15, fig. 7.
Jungle Creek Formation, Permian, lat. 65°53'N, long. 140°40'W, Jungle Creek, Yukon.

*"Krotovia"* sp.
Fig specs. 26870, 26897
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 6, fig. 4; pl. 10, fig. 6.
Ettrain Formation and equivalent, Carboniferous, lat. 65°48½'N, long. 138°55'W, Whitestone River and lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Kutorginella* cf. *arctica* (Whitfield)
Hypotype 26987
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 18, fig. 2.
Tahkandit Formation, Permain, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Kutorginella neoinflatus* (Licharev)
Hypotype 26917
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 12, fig. 4.
Jungle Creek Formation, Permian, lat. 64°58½'N, long. 140°54'W, north bank of Tatonduk River, Yukon.

*Kutorginella* n. sp.
Fig. specs. 26914, 26915, 26933, 26934
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 12, figs. 1, 2; pl. 13, figs. 6, 7.
Jungle Creek Formation, Permian, lat. 64°58½'N, long. 140°54'W, north bank of Tatonduk River; lat. 65°17½'N, long. 140°42½'W, Ettrain Creek; and lat. 65°53'N, long. 136°08'W, Peel River, Yukon.

*Kutorginella* sp.
Fig. specs. 26353, 26977
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19 no. 1, pl. 14, fig. 14; pl. 16, fig. 6.
Jungle Creek Formation, Permian, lat. 65°53'N, long. 136°05½'N, Peel River, and lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*?Kutorginella* sp.
Fig. spec. 26845
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 4, figs. 6, 7.
Ettrain Formation, Carboniferous, lat. 65°53'N, long. 136°08'W, Peel River, Yukon.

*Kuvelousia sphiva* Waterhouse
Holotype 22910a, b; paratypes 22900, 22901, 22905, 22912, 22913
Waterhouse, J.B., 1968, J. Pal., vol. 42, no. 5, p. 1175, pl. 154, figs. 11, 15, 17-19; pl. 155, figs. 1, 2, 6-8, 11, 12, 14, 19; text-fig. 1.
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 22, fig. 9 [ 22912 ].
Trold Fiord Formation, Permian, 4 miles northwest of Cape Fortune, Cameron Island, and Svartevarg, north coast Axel Heiberg Island, Arctic.
= (?)*Megousia* sp., Ferguson, L., 1969, Internat. Union Geol. Sci., ser. A, no. 1, pl. 1, figs. 2 [ 22910 ], 3, 4 [ 22912 ], 12 [ 22913 ].

*Kuvelousia* sp.
Fig. specs. 27030, 27031
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 21, figs. 10-12.
Permian, lat. 67°41'N, long. 136°19'W, Bell River, Yukon.

*Ladjia landesi* Crickmay
Holotype 25559; paratypes 25560-25562
Crickmay, C.H., 1967, The method of indivisible aggregates in studies of the Devonian, p. 9, pl. 2, figs. 25-28 [ 25562 ]; pl. 3, figs. 10, 11 [ 25560 ], 12-14 [ 25559 ], 15 [ 25561 ].
Swan Hills Formation, Upper Devonian, KCL-Midwest IOE Otter Lake No. 10-20 well, at 5252 feet, l.s.d. 10, sec. 20, tp. 89, rge. 13, W. 5th mer., Alberta.

*Ladogia kakwaensis* (McLaren)
= *Ladogioides kakwaensis*, McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, figs. 13, 14 [ hypotype 13819 ].

*Lanceomyonia brevicostata* Lenz
Holotype 24995; paratypes 24994, 24996-24999
Lenz, A.C., 1970, J. Pal., vol. 44, no. 3, p. 489, pl. 84, figs. 23, 25-29; pl. 85, figs. 30-36; text-fig. 5.
Road River formation, Upper Silurian, Prongs Creek, lat. 65°17'30"N, long. 135°41'10"W, Yukon.

*"Leiorhynchus" cf. carboniferum* Girty
Hypotype 26445
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 1, figs. 9, 10.
Hart River Formation, Carboniferous, lat. 65°53'N, long. 136°05½'W, north bank of Peel River, approximately 9 miles east of its confluence with the Hart River, Yukon.

*Leiorhynchus cascadense* (Warren)
= *Trifidorostellum cascadense cascadense,* Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 22, pl. 1, figs. 6a, b [ paralectotype 8905a ], 7a-e [ lectotype 8905 ].

*Leptostrophia (Eostropheodonta)* sp.
Fig. specs. 30480, 30481
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 8, figs. 14, 20.
Thornloe Formation, Middle Silurian, Macnamara quarry, lot 6, con. VI, Armstrong tp., Ontario.

Licharewiinid
Fig. specs. 27792, 27036
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 12, figs. 11, 12; pl. 21, fig. 19.
Kindle Formation, Permian, ¼ mile north of Alaska Highway mile post 382.5, British Columbia; Jungle Creek Formation, Permian, lat 65°38½'N, long. 138°34½'W, southwest corner Eagle Plain, Nahoni Range, Yukon.

Licharewiinid or syringothyridinid
Fig. spec. 26964
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 15, fig. 15.
Jungle Creek Formation, Permian, lat. 65°53'N, long. 136°08'W, Peel River, Yukon.

*Lingula cobourgensis* Billings
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 4, fig. 8 [ lectotype 1635a ].

*Lingula scutum* Sinclair
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 8, figs. 1, 2 [ holotype 11249 ].

*Lingula* sp. cf. L. *divulgata* Sinclair
Hypotype 24601
Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 33, pl. 6, fig. 22.
Vauréal Formation, Upper Ordovician, depth 1131 feet, Lowlands Gamache Carleton Point No. 1 well, top of escarpment immediately west of mouth of Potatoe River, Anticosti Island, Quebec.

Linoproductinid
Fig. specs. 26820-26822, 26832, 26883, 27038
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 2, figs. 11, 12, 13; pl. 3, fig. 6; pl. 9, fig. 12; pl. 20, fig. 3.
Carboniferous, Ettrain Formation, lat. 66°01'N, long. 138°50½'W, Cathedral Rocks; Lisburne Group, lat. 68°23½'N, long. 138°26'W, Barn Mountains [ 26832 ]; Ettrain Formation equivalent, lat. 64°58½'N, long. 140°54'W, Tatonduk River [ 26883 ]; and Permian, Tahkandit Formation, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Linoproductus shrenki* (Stuckenberg)
Hypotype 26919
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 12, fig. 6.
Jungle Creek Formation, Permian, lat. 65°17½'N, long. 140°42½'W, Ettrain Creek, Yukon.

*Linoproductus* cf. *shrenki* (Stuckenberg)
Hypotype 26938
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 14, fig. 1.
Jungle Creek Formation, Permian, lat. 65°53'N, long. 136°08'W, Peel River, Yukon.

*Leiorhynchus castanea* (Meek)
McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 9, figs. 21-23 [ hypotype 15361 ].

*Leiorhynchus castanea* (Meek)
Hypotype 25141
Johnson, J.G., 1970, Bull. Geol. Soc. Amer., vol. 81, no. 7, p. 2097, pl. 2, figs. 18-22.
Basal Hare Indian Formation, Middle Devonian, immediately east of Arctic Red River, lat. 65°21.4'N, long. 130°46'W, Northwest Territories.

*Leiorhynchus hippocastanea* (Crickmay)
Hypotypes 25129-25140
Johnson, J.G., 1970, Bull. Geol. Soc. Amer., vol. 81, no. 7, p. 2099, pl. 3, figs. 6-17.
Ramparts Formation, Middle Devonian, Carcajou Ridge, Mackenzie River, and big bend of Oscar Creek, lat. 65°30'30"N, long. 127°22'40"W, Northwest Territories.

*Lepidocyclus capax* (Conrad)
Hypotype 29559
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 1, fig. 2.
Vauréal Formation, Upper Devonian, section in bank ¾ mile west of Pte. à l'epinette, Anticosti Island, Quebec.

*Lepidocyclus perlamellosus* (Whitfield)
Hypotypes 27681, 27682
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. B, figs. 7, 8.
Georgian Bay Formation (Kagawong beds), Upper Ordovician, road exposure along boundary Howland and Bidwell tps., approximately 3½ miles west of Sheguiandah, Manitoulin Island, Ontario.

*Leptaena* sp.
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photo 12 [fig. spec. 20469 ].

*Leptaena* sp.
Fig. spec. 23598
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 9.
Fossil Hill Formation, Middle Silurian, junction of Manitowaning-South Baymouth and The Slash roads, lot 4, con. II, Assiginack tp., Manitoulin Island, Ontario.

*Leptaena* sp.
Fig. spec. 29748
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 12, fig. 19.
Chicotte Formation, Middle Silurian, Southwest Point road, approximately 0.6 mile inland from The Jumpers, Anticosti Island, Quebec.

*Leptobolus insignis* Hall
Hypotype 24603
Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 33, pl. 7, fig. 7.
Macasty Formation, Upper Ordovician, depth 2993 feet, Lowlands Gamache Princeton Lake No. 1 well, southwest of south end of Princeton Lake, 9 miles northeast of Port Menier, Anticosti Island, Quebec.

*Leptostrophis* sp.
Fig. spec. 30475
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 8, fig. 8.
Thornloe Formation, Middle Silurian, northwestern point Mann Island, Lake Timiskaming, Quebec.

*Leptostrophia*(?) sp.
Fig. spec. 30443
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 5, fig. 10.
Thornloe Formation, Middle Silurian, lots 2-3, con. V, Harris tp., Ontario.

*Linoproductus simensis* (Chernyshev)
Hypotypes 26979, 26980
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 16, figs. 8, 11.
Jungle Creek Formation, Permian, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Linoproductus* (cf. *Stepanoviella*) sp.
Fig. specs. 27009, 27010
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 19, figs. 3, 4.
Jungle Creek Formation, Permian, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Linoproductus* sp.
Fig. specs. 26993, 26994, 27012
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 18, figs. 8, 9; pl. 19, fig. 6.
Permian, Tahkandit and Jungle Creek Formations, lat. 64°58½'N, long. 140°54'W Tatonduk River, Yukon.

*"Lissochonetes"* aff. *alatus* (Stuckenberg)
Hypotype 26916
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 12, fig. 3.
Jungle Creek Formation, Permian, lat. 65°17½'N, long. 140°42½'W, Ettrain Creek, Yukon.

*Lissochonetes* aff. *ostiolatus* (Girty)
Hypotypes 27025-27027
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 21, figs. 4-7.
Permian sandstone unit, lat. 67°47½'N, long. 136°01½'W, Rat River, northern Richardson Mountains, Yukon.

*Lissochonetes* sp.
fig. specs. 26840, 26841
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 4, figs. 1, 2.
Ettrain Formation, Carboniferous, lat. 65°53'N, long. 136°08'W, Peel River, Yukon.

*Macrospirifer thedfordensis* (Shimer and Grabau)
Hypotype 20689
McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, figs. 48, 49.
Hamilton Group, Middle Devonian, Thedford, Ontario.

*Marginatia jasperensis* (Warren)
Hypotype 10081
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 12, figs. 6a, b.
Banff Formation, Mississippian, Morrow Creek, Jasper Park, Alberta.

*Marklandella macadamica* Harper, Boucot and Walmsley
Holotype 19206; paratypes 19202, 19207-19209
Harper, C.W., Boucot, A.J., and Walmsley, V.G., 1969, J. Pal., vol. 43, no. 1, p. 84, pl. 17, figs. 11a-15b.
Doctor's Brook Formation, Middle Silurian, Pictou co., Nova Scotia.

*Martinia galatea* Bell
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 15, figs. 10a, b [ paratype 7523 ].

*"Martinia" maia* (Billings)
Hypotype 3496b
McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, figs. 41, 42.
Onondaga Formation, Middle Devonian, St. Marys, Ontario.

*Martinia* sp.
Fig. specs. 26449, 26817, 26880, 26984, 26985, 27041
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 1, fig. 14; pl. 2, fig. 7; pl. 9, fig. 9; pl. 16, figs. 13, 14; pl. 20, fig. 8.
Carboniferous, Hart River Formation, lat. 66°10'N, long. 136°47½'W, headwaters of Eagle River; Ettrain Formation, lat. 65°23'N, long. 140°40'W, headwaters of Ettrain and Jungle Creeks; Ettrain Formation equivalent, Tatonduk River, 3 miles east of Alaska boundary; Permian, Jungle Creek Formation, north bank of Tatonduk River, 3+ miles east of Alaska boundary [ 26984, 26985 ], and Takkandit Formation, north bank of Tatonduk River, 3+ miles east of Alaska boundary, Yukon.

*Martiniopsis* cf. *orientalis* Chernyshev
Hypotype 26983
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 16, fig. 12.
Jungle Creek Formation, Permian, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*"Martiniopsis"* sp.
Fig. specs. 26827, 26828
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 2, figs. 19-21.
Ettrain Formation, Carboniferous, lat. 53°23'N, long. 140°40'W, headwaters of Ettrain and Jungle Creeks, and lat. 66°01'N, long. 138°50½'W, Cathedral Rocks, Yukon.

?*Martiniopsis* sp.
Fig. spec. 26895, 26899
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 10, figs. 4, 8.
Ettrain Formation equivalent, Carboniferous, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Megastrophia* n. sp. aff. *M. iddingsi* (Merriam)
Hypotypes 26622, 26623
Ludvigsen, R., 1970, Bull. Can. Petrol. Geol., vol. 18, no. 3, pl. 1, figs. 20, 21.
Michelle and Prongs Creek Formations, Lower Devonian, lat. 65°41'N, long. 137°01'W. south-facing ridge at northern edge of Ogilvie Mountains, approximately halfway between Hart and Blackstone Rivers, and lat. 65°51.4'N, long. 135°15.5'W, Solo Creek, Yukon.

*Megastrophia (Megastrophia) inequiradiata* (Hall)
Hypotypes 22986, 22987
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 26, pl. 2, figs. 12-14.
Anderdon Formation, Detroit River Group, Middle Devonian, north face of Brunner, Mond Canada, Limited quarry about 1¼ miles northeast of Amherstburg, Ontario.

*Megastrophia (Megastrophia) proxicostellata* Fagerstrom
Hypotypes 22981-22985
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 25, pl. 2, figs. 10, 11.
Amherstburg Formation, Detroit River Group, Lower or Middle Devonian, Livingstone Channel dry cut, Detroit River, U.S.A.; west bank Teeswater River, approximately 500 feet and just below the falls, lot 4, cons. III-IV, Culross tp., Bruce co.; and rock dump from dry cut, Detroit River at old railway crossing, Ontario.

*Megastrophia*(?) sp.
Fig. spec. 22989
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 27, pl. 2, figs. 18-20.
Anderdon Formation, Detroit River Group, Middle Devonian, north face of Brummer, Mond Canada, Limited quarry about 1¼ miles northeast of Amherstburg, Ontario.

*Megastrophia* sp. A.
Fig. spec. 22988
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 27, pl. 2, figs. 16, 17.
Anderdon Formation, Detroit River Group, Middle Devonian, east side Brunner, Mond Canada, Limited quarry about 1¼ miles northeast of Amherstburg, Ontario.

?*Megastrophia* n. sp.
Fig. specs. 26629-26632
Ludvigsen, R., 1970, Bull. Can. Petrol. Geol., vol. 18, no. 3, pl. 1, figs. 28-32.
Michelle Formation, Lower Devonian, lat. 65°41.5'N, long. 137°26.5'W, east side Blackstone River at northern edge of Ogilvie Mountain front, Yukon.

*Mendacella* sp.
Hypotypes 23568-23570
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photos 7, 13, 18.
Manitoulin Formation, Lower Silurian, East-West secondary road, ¾ mile east of Rockville, Bidwell tp., Manitoulin Island, Ontario.

*Mendacella* sp.
Fig. specs. 27688, 27689
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. C, figs. 1, 2.
Manitoulin Formation, Lower Silurian, East-West secondary road, ¾ miles east of Rockville road, Bidwell tp., Manitoulin Island, Ontario.

*Mendacella* sp.
Fig. specs. 29622, 29623
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 5, figs. 3, 5.
Ellis Bay Formation, Upper Ordovician, Becscie River road, 3.4 miles south of west branch Becscie River crossing, Anticosti Island, Quebec.

*Mendacella*(?) sp.
Fig. spec. 29675
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 8, fig. 7.
Gun River Formation, Middle Silurian, west bank of Jupiter River, 6½ miles upriver, Anticosti Island, Quebec.

*Mendacella*(?) sp.
Fig. spec. 30518
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 11, fig. 8.
Thornloe Formation, Middle Silurian, quarry northeast corner lot 12, con. IV, Dymond tp., Ontario.

*Megalopterorhynchus haynesi* Sartenaer
Sartenaer, P., 1969, Geol. Surv., Can., Bull. 169, p. 57, pl. 4, figs. 1a-2e; text-fig. 12 [ holotype 15692; paratypes 15709, 15695 ].

*Megousia* sp.
Fig. specs. 21765, 21766
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 14, figs. 13, 14.
Permian, northern Yukon.

(?)*Megousia* sp.
Fig. spec. 24472
Ferguson, L., 1969, Internat. Union Geol. Sci., ser. A, no. 1, pl. 1, fig. 1.
Lower Permian, northeast side of Canyon Fiord, Ellesmere Island, Arctic.

*Meristella*(?) *livingstonensis* Fagerstrom
Holotype 23034
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 39, pl. 4, figs. 8-11.
Amherstburg Formation, Detroit River Group, Lower or Middle Devonian, Livingstone Channel dry cut, Detroit River, U.S.A.

*Meristina formosensis* (Fagerstrom)
Hypotypes 23032, 23033
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 38, pl. 4, figs. 3-6.
Amherstburg Formation, Detroit River Group, Lower or Middle Devonian, Livingstone Channel dry cut, Detroit River, and north 200 yards of rock dump from cut in Detroit River, Ontario.

*Meristina nasuta* (Conrad)
Hypotype 23031
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 38, pl. 4, fig. 1.
Amherstburg Formation, Detroit River Group, Lower or Middle Devonian, rock dump from dry cut, Detroit River at old railway crossing, Ontario.

*Meristina*? sp.
Fig. spec. 25039
Lenz, A.C., 1970, J. Pal., vol. 44, no. 3, p. 496, pl. 87, figs. 16, 17.
Road River Formation, Upper Silurian, Prongs Creek, lat. 65°17'30"N, long. 135°41'10"W, Yukon.

*Metaplasia* sp.
Fig. specs. 25034-25038
Lenz, A.C., 1970, J. Pal., vol. 44, no. 3, p. 497, pl. 87, figs. 5-15.
Road River Formation, Upper Silurian, Prongs Creek, lat. 65°17'30"W, long. 135°41'10"W, Yukon.

*Microcardinalia melissa* (Billings)
Hypotype 29728
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 11, fig. 8.
Jupiter Formation, Middle Silurian, east bank Chicotte River, 2 miles above mouth, Anticosti Island, Quebec.

*Microcardinalia pyriformis* (Savage)
Chiang, K.K., 1971, J. Pal., vol. 45, no. 5, p. 853, pl. 98, figs. 1-4 [ hypotype 20526 ].

*Microcardinalia* sp.
Fig. spec. 22964
Gauri, K.L. and Boucot, A.J., 1968, Palaeontographica, Bd. 131, Abt. A, p. 101, pl. 7, fig. 4; pl. 8, figs. 1, 2; text-figs. 13a, b.
Jupiter Formation, Middle Silurian, Brick River, Anticosti Island, Quebec.

*Microcardinalia* sp.
Fig. specs. 26476-26481
Chiang, K.K., 1971, J. Pal., vol. 45, no. 5, p. 853, pl. 98, figs. 20-29; text-fig. 2.
Fossil Hill Formation, Middle Silurian, road forming Tehkummah-Sandfield tps. boundary, 0.5 miles east of Snowville, Manitoulin Island, Ontario.

*Micromitra* sp.
Fig. spec. 21364
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 2, fig. 9.
Middle Cambrian, Mount Field?, British Columbia.

*Muirwoodia* sp. cf. *M. greenlandica* Dunbar
Hypotype 23546
Logan, A. and McGugan, A., 1968, J. Pal., vol. 42, no. 5, p. 1135, pl. 143, figs. 1-3.
Telford Formation, Ishbel Group, Permian, Telford Creek headwaters, southeastern British Columbia.

*Muirwoodia* sp.
Fig. spec. 21764
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 14, figs. 12a, b.
Permian, lat. 65°53'N, long. 136°07'W, north bank Peel River, Yukon.

*Munhella cummingi* Neuman
Holotype 24781; paratypes 24782-24785
Neuman, R.B., 1971, Smithsonian Contr. Paleobiology, no. 3, p. 117, pl. 1A, figs. 1-12.
Middle Ordovician, on a tributary to Rocky Brook, approximately lat. 46°20'N, long. 66°56'W, York co., New Brunswick.

*Muriferella* sp. cf. *M. masurskyi* Johnson and Talent
Hypotypes 26618, 26619
Ludvigsen, R., 1970, Bull. Can. Petrol. Geol., vol. 18, no. 3, pl. 1, figs. 10-15.
Michelle Formation, Lower Devonian, lat. 65°41.5'N, long. 137°26.5'W, east side Blackstone River, northern edge Ogilvie Mountain front, Yukon.

*Neochonetes* sp.
Fig. specs. 23547-23549
Logan, A. and McGugan, A., 1968, J. Pal., vol. 42, no. 5, p. 1135, pl. 143, figs. 4-6.
Telford Formation, Ishbel Group, Permian, Telford Creek headwaters, southeastern British Columbia.

*Neochonetes* sp.
Fig. specs. 27017-27019, 27021, 27044-27046
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 19, figs. 13-18, 20; pl. 22, figs. 5-7.
Permian sandstone unit, lat. 67°47½'N, long. 136°01½'W, Rat River, and lat. 67°58½'N, long. 136°08½'W, Scho Creek [ 27044-27046 ], northern Richardson Mountains, Yukon.

*Neospirifer praenuntius* Easton
Hypotype 21758
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 13, figs. 16a, b.
Pennsylvanian, northwest corner Mount Elpoca, north end of Misty Range, Alberta.

*Neospirifer* cf. *triplicatus* (Hall)
Hypotype 21753
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 13, fig. 11.
Pennsylvanian, Mount Ptolemy, Crowsnest Pass, Alberta.

*Neospirifer* sp.
Fig. spec. 21760
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 14, fig. 2.
Permian, lat. 65°53'N, long. 136°07'W, Peel River area, Yukon.

*Neospirifer* sp.

Fig. specs. 26446, 26447, 26824, 26860, 26861, 26863

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 1, figs. 11, 12; pl. 2, fig. 15; pl. 5, fig. 13; pl. 7, figs. 1, 3.

Carboniferous, Hart River Formation, lat. 66°10'N, long. 136°47½'W, headwaters of Eagle River; Ettrain Formation, lat. 53°23'N, long. 140°40'W, headwaters of Ettrain and Jungle Creeks [ 26824 ], and lat. 65°48½'N, long. 138°55'W, Whitestone River [ 26861, 26863 ]; and Ettrain Formation equivalent, lat. 65°53'N, long. 136°05½'W, Peel River [ 26860 ], Yukon.

*Nisusia* sp.

Fig. spec. 21350

Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 1, fig. 3.

Burgess Formation, Middle Cambrian, between Mount Field and Mount Wapta, British Columbia.

*Nudirostra albertensis* (Warren)

= *Calvinaria albertensis albertensis*, McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, figs. 25, 26 [ hypotype 11237 ].

*Nudirostra athabascensis* (Kindle)

= *Calvinaria variabliis athabascensis*, McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, figs. 15, 16 [ hypotype 11232 ].

*Nudirostra gibbosa seversoni* McLaren

= *Evanescirostrum seversoni*, Sartenaer, P.,

1968, Internat. Symp. Devonian System, vol. 2, pl. 1, figs. 12a-d [ holotype 10016 ].

1969, Geol. Surv. Can., Bull. 169, p. 126, pl. 17, figs. 1a-3 [ holotype 10016 ], 11a-e [ paratype 10017 ].

McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, ibid., Econ. Geol. Rept. 1, pl. 10, figs. 36, 37.

*Nudirostra gibbosa walcotti* (Merriam)

= *Eoparaphorhynchus walcotti*, Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 72, pl. 8, figs. 2a-e [ hypotype 10012 ].

= *Eoparaphorhynchus lentiformis*, Sartenaer, P., 1969, ibid., p. 79, pl. 9, figs. 2a-e [ hypotype 10014 ].

*Nudirostra utahensis ventricosa* (Haynes)

= *Gatrodetochia utahensis utahensis*, Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 47, pl. 5, figs. 10a-c [ hypotype 11210 ].

*Nudirostra walcotti* (Merriam)

= *Eoparaphorhynchus walcotti*, Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 72, pl. 8, figs. 5a-d [ hypotype 13800 ].

*Obolella transversa* Hartt

Syntype 30177

Hartt, C.F. in Dawson, J.W., 1868, Acadian Geology, 2nd edition, p. 644.
Walcott, C.D., 1884, U.S. Geol. Surv., Bull. 10, p. 16, pl. 1, fig. 5.

Middle Cambrian, Coldbrook, St. John region, New Brunswick.

*Obolus canadensis* Billings

= *Eodinobolus canadensis*, Norford, B.S. and Steele, H.M., 1969, Palaeontology, vol. 12, no. 1, p. 167, pl. 33, figs. 1-4 [ paratype 1150a] , 5-7 [ holotype 1150 ] .

= *Eodinobolus magnificus*, ibid., p. 164, pl. 32, figs. 1-3 [ holotype 1161 ] , 8-11 [ paratype 1161a ] .

*Oepikina tumida* Wilson

Hypotypes 22505-22520

Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 33, pl. 12, figs. 1-15.

Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Ogilviella rotunda* Lenz

Holotype 22636; paratypes 22637-22653

Lenz, A.C., 1968, J. Pal., vol. 42, no. 1, p. 181, pl. 31, figs. 1-35.

Lower Devonian, southernmost branch of headwaters of Royal Creek, lat. 64°46'38"N, long. 135°14'12"W, Yukon.

*Onniella whittakeri* (Raymond)

Hypotype 21959

Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 8, figs. 5, 6.

Middle Ordovician, Lakefield quarry, Ontario.

*Onopordumaria punctura* Waterhouse

Holotype 26396; paratypes 26397-26402, 27776, 27777

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, p. 205, pl. 23, figs. 12-17.

Ettrain Formation equivalent, Carboniferous, lat. 65°53'N, long. 136°05½'W, Peel River, Yukon.

*"Opikina"* sp.

Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 5, figs. 25, 26 [ fig. specs. 16875, 16876 ] .

*Orbiculoidea*

Fig. spec. 26965

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 15, fig. 15.

Jungle Creek Formation, Permian, lat. 65°53'N, long. 136°08'W, Peel River, Yukon.

*'Orthorhynchula' bidwellensis* Bolton

Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photo 4 [ hypotype 20848].

*"Orthorhynchula" bidwellensis* Bolton

Hypotype 27690

Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. C, fig. 4.

Manitoulin Formation, Lower Silurian, East-West secondary road ¾ mile east of Rockville road, Bidwell tp., Manitoulin Island, Ontario.

*Orthotichia* cf. *morgani* Chernyshev

Fig. specs. 26904, 26906, 26913

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 11, figs. 3, 5, 12.

Jungle Creek Formation, Permian, lat. 64°58½'N, long. 140°54'W, north bank of Tatonduk River, and lat. 65°23'N, long. 140°40'W, Jungle Creek, Yukon.

*Orthotichia* sp.

Fig. specs. 26812, 26928

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 2, figs. 1, 2; pl. 13, fig. 1.

Ettrain Formation, Carboniferous, lat. 65°23'N, long. 140°40'W, headwaters of Ettrain and Jungle Creeks, and Permian, lat. 67°31'N, long. 136°32½'W, Bell River, northern Richardson Mountains, Yukon.

*Orulgania* sp.

Fig. spec. 26823

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 2, fig. 14.

Carboniferous, lat. 66°01'N, long. 138°50½'W, Cathedral Rocks, Yukon.

?*Orulgania* sp.

Fig. specs. 26910, 26912

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 11, figs. 9, 11.

Jungle Creek Formation, Permian, lat. 64°58½'N, long. 140°54'W, north bank of Tatonduk River, Yukon.

*Ovatia* sp.

Fig. spec. 26810

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 1, figs. 18, 19.

Hart River Formation, Carboniferous, lat. 65°53'N, long, 136°05½'W, north bank of Peel River, approximately 9 miles east of its confluence with Hart River, Yukon.

Overtoniid

Fig. specs. 26813, 26814

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 2, figs. 3, 4.

Ettrain Formation, Carboniferous, lat. 65°23'N, long. 140°40'W, headwaters of Ettrain and Jungle Creeks, Yukon.

*Paeckelmannella calingnea* Stehli and Grant
Holotype 26169
Stehli, F.G. and Grant, R.E., 1971, J. Pal., vol. 45, no. 3, p. 515, pl. 65, figs. 23, 24, 29-31, 36.
Permian, ca. lat. 81°15'N, Svartevaeg Cliffs, Axel Heiberg Island, Arctic.

*Parachonetes macrostriatus* (Walcott)
Hypotypes 26636-26638
Ludvigsen, R., 1970, Bull. Can. Petrol. Geol., vol. 18, no. 3, pl. 2, figs. 4-8.
Michelle Formation, Lower Devonian, lat. 65°38.2'N, long. 136°44'N, west side Hart River at northern edge of Ogilvie Mountains, Yukon.

*Parastrophina hemiplicata* (Hall)
Hypotype 21964
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 8, fig. 14.
Middle Ordovician, Lakefield quarry, Ontario.

*Parastrophinella lenticularis* (Billings)
Hypotypes 29640, 29641
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 6, figs. 2, 4.
Ellis Bay Formation, Upper Ordovician, Ste. Marie River road at top of escarpment southwest of south end of Petit Lac Ste. Marie, Anticosti Island, Quebec.

*Parastrophinella reversa* (Billings)
Hypotypes 29631-29633
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 5, figs. 11, 16, 17.
Ellis Bay Formation, Upper Ordovician, coastal section 1 mile east of Junction Cliff, Anticosti Island, Quebec.

*Paucicura* sp.
Fig. spec. 21958
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 8, figs. 3, 4.
Middle Ordovician, Lakefield quarry, Ontario.

?*Pentamerella arata* (Conrad)
Hypotype 23005
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 31, pl. 1, fig. 24.
Amherstburg Formation, Detroit River Group, Lower or Middle Devonian, Livingstone Channel dry cut, Detroit River, U.S.A.

*Pentamerella papilionensis* (Hall)
Hypotypes 23006-23010
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 31, pl. 1, fig. 23.
Amherstburg Formation and Formosa Reef limestone, Detroit River Group, Lower or Middle Devonian, rock dump from dry cut, Detroit River at old railway crossing; about 1,000 feet north of bridge crossing Teeswater River, one-third mile west of village of Chepstow; 4½ miles west of Teeswater, Bruce co.; and north end of road-cut approximately 2½ miles north of Formosa, Ontario.

*Pentameroides costellata* Chiang
Holotype 26491
Chiang, K.K., 1971, J. Pal., vol. 45, no. 5, p. 859, pl. 100, figs. 1-5; text-fig. 8.
Fossil Hill Formation, Middle Silurian, flats along road forming boundary line Carnarvon and Campbell tps., 0.2 miles north of cons. IV-V road, Carnarvon tp., Manitoulin Island, Ontario.

*Pentameroides subrectus* (Hall and Clarke)
Hypotypes 26492-26495, 26497
Chiang, K.K., 1971, J. Pal., vol. 45, no. 5, p. 858, pl. 100, figs. 6-15; text-figs. 6, 7.
Fossil Hill Formation, Middle Silurian, corner of Highway 68 and The Slash road, lot 4, con. II, Assiginack tp.; flats along road forming boundary line Carnarvon and Campbell tps., 0.2 miles north of cons. IV-V line road, Carnarvon township; plateau west of 'Isaiah Hunter Farm, New England'; and end of Sandfield and Tehkummah tps. boundary road, lots 3-4, con. I, Sandfield tp., southeast of Sandfield, Manitoulin Island, Ontario.

*Pentameroides subrectus* (Hall and Clarke)
Hypotypes 30453-30456, 30461
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 6, figs. 2, 6, 7, 11, 12.
Thornloe and Fossil Hill Formations, Middle Silurian, northwestern point and west shore near northwestern point, Mann Island, Lake Timiskaming, Quebec; corner of Manitowaning-South Baymouth and The Slash roads, Manitoulin Island, Ontario.

*Pentameroides* sp.
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 15 [ fig. spec. 20514 ].

*Pentameroides* sp.
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 7, fig. 10 [ fig. spec. 17973 ].

*Pentameroides* sp.
Fig. specs. 22967, 22968
Gauri, K.L. and Boucot, A.J., 1968, Palaeontographica, Bd. 131, Abt. A, p. 110, pl. 13, figs. 3-5; pl. 14, fig. 1; text-fig. 19.
Reynales (Meritton) Formation, Middle Silurian, railroad cut opposite Lock 5 Welland Canal, Thorold, Ontario.

*Pentameroides* sp.
Hypotypes 23583, 23599
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photo 36; fig. 13, photo 14.
Fossil Hill Formation, Middle Silurian, junction of Manitowaning-South Baymouth and The Slash roads, lot 4, con. II, Assiginack tp., Manitoulin Island, Ontario.

*Pentameroides* sp.
Fig. spec. 27709
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook, pl. D, fig. 14.
Fossil Hill Formation, Middle Silurian, end of Sandfield-Tehkummah tps. boundary road, lots 3-4, con. I, Sandfield tp., Manitoulin Island, Ontario.

*Pentameroides* sp.
Fig. spec. 30545
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 13, figs. 10, 11.
Thornloe Formation, Middle Silurian, Highway 65, lots 3-2, cons. III-IV, Harris tp., Ontario.

*Pentamerus barrandi* Billings
= *Virgiana barrandei*, Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970 Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 7, figs. 17, 19 [ syntypes 2372, b ] .

*Pentamerus cylindricus*? (Hall and Whitfield)
Hypotype 26490
Chiang, K.K., 1971, J. Pal., vol. 45, no. 5, p. 857, pl. 99, figs. 3, 4.
Fossil Hill Formation, Middle Silurian, lot 12-13, con. II, Derby tp., southwest of Owen Sound, Ontario.

*Pentamerus oblongus* Sowerby
Hypotypes 26483-26489
Chiang, K.K., 1971, J. Pal., vol. 45, no. 5, p. 855, pl. 99, figs. 1, 2, 5-14.
Fossil Hill Formation, Middle Silurian, shore section 0.3 mile north of Lions Head lighthouse; lot 12-13, con. II, Derby tp., southwest of Owen Sound; and cliff section of King Point Bluff, about 0.3 mile south of the Cape Crocker road, Cape Crocker Indian Reserve, Ontario.

*Pentamerus* sp.
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 7 [ fig. spec. 20515 ] .

?*Pentamerus* sp.
Fig. spec. 26482
Chiang, K.K., 1971, J. Pal., vol. 45, no. 5, p. 857, pl. 98, figs. 30-34.
Fossil Hill Formation, Middle Silurian, flats for 0.7 mile along trail starting by quarry just west of Meldrum Village, Mantioulin Island, Ontario.

*Pentamerus* spp.
Fig. specs. 29682, 29683, 2514, 29720
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 8, figs. 1, 22; pl. 11, figs. 1, 9.
Jupiter Formation, Middle Silurian, Jupiter River fire tower road approximately 2½ miles south of junction with road to 12-mile lodge, and coastal sections at The Jumpers and west of Bilodeau River, Anticosti Island, Quebec.

*Petrocrania* sp.
Fig. spec. 24864
Mitchell, S.W., 1970, Michigan Academician, vol. 2, no. 3, pl. 1, fig. 8.
Hay River Formation, Upper Devonian, talus in woods north bank of Hay River, ¼ mile southeast of Enterprise, Northwest Territories.

*Pholidostrophia (Mesopholidostrophia)* cf. *nitens* Williams
Hypotype 19118
Harper, C.W., Johnson, J.G., and Boucot, A.J., 1967, Senck. leth., vol. 48, no. 5, p. 417, pl. 2, figs. 10a, b.
Middle member, Ross Brook Formation, Middle Silurian, East French River, 2,500 feet southeast of intersection of Route 4 with river, Pictou co., Nova Scotia.

*Phragmostrophia latior* (Meyer)
Hypotypes 19104, 19105
Harper, C.W., Johnson, J.G., and Boucot, A.J., 1967, Senck. leth., vol. 48, no. 5, p. 430, pl. 8, figs. 2, 3.
Bird Fiord Formation, Lower Devonian, central Goose Fiord, Ellesmere Island, Arctic.

*Phragmostrophia* sp. aff. *P. merriami* Harper, Johnson and Boucot
Hypotype 19103
Harper, C.W., Johnson, J.G., and Boucot, A.J., 1967, Senck. leth., vol. 48, no. 5, p. 430, pl. 8, fig. 1.
Blue Fiord Formation, Lower Devonian, south side Eids Fiord, southwestern Ellesmere Island, Arctic.

*Phragmostrophia* sp.
Fig. specs. 19119-19122
Harper, C.W., Johnson, J.G., and Boucot, A.J., 1967, Senck. leth., vol. 48, no. 8, pl. 8, figs. 6-9.
Blue Fiord Formation, 100 feet above base, Lower Devonian, Sutherland River, Devon Island, Arctic.

*Phragmostrophia* sp.
Fig. specs. 26639, 26640
Ludvigsen, R., 1970, Bull. Can. Petrol. Geol., vol. 18, No. 3, pl. 2, figs. 9-12.
Michelle Formation, Lower Devonian, lat. 65°41.5'N, long. 137°26.5'W, east side Blackstone River at northern edge of Ogilvie Mountain front, Yukon.

*Phricodothyris* sp.
Fig. spec. 26815
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 2, fig. 5.
Ettrain Formation, Carboniferous, lat. 65°23'N, long. 140°40'W, headwaters of Ettrain and Jungle Creeks, Yukon.

*Pionodema cooperi* Steele and Sinclair
Holotype 22433; paratypes 22434-22479
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 31, pl. 14, figs. 1-124.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Plaesiomys anticostiensis* (Shaler)
Hypotypes 29600, 29601
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 4, figs. 3, 20.
Ellis Bay Formation, Upper Ordovician, Junction Cliff, and logging road east from southern end of Petit Lac Ste. Marie, Anticosti Island, Quebec.

*Plaesiomys carletona* (Twenhofel)
Hypotype 29580
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 2, fig. 7.
Vauréal Formation, Upper Ordovician, main road 1.6 miles west of junction with Vauréal falls road, Anticosti Island, Quebec.

*Plaesiomys (Dinorthis) meedsi* (Winchell and Schuchert)
Hypotype 21962
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 8, figs. 9, 10.
Middle Ordovician, Lakefield quarry, Ontario.

*"Platyrachella" rutherfordi* (Warren)
Hypotype 21739
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 12, fig. 5.
Banff Formation, Mississippian, east bank Cobblestone Creek, Jasper Park, Alberta.

*"Platyrachella" rutherfordi* (Warren)
Hypotypes 22057, 22058
Macqueen, R.W. and Bamber, E.W., 1968, Geol. Surv., Can., Paper 67-47 (1967), pl. 1, figs. 1a, b, 2.
Upper Banff Formation, 170 and 147 feet below top, Mississippian, Cobblestone Creek, Jasper Park and Mount Tyrrell, Alberta.

*'Platystrophia biforata'* (Schlotheim)
Hypotypes 27694, 27695
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. C, figs. 20, 22.
Manitoulin Formation, Lower Silurian, Bidwell road ¼ mile northwest of Bidwell tp. line, northwest of Manitowaning, and main highway ½ mile east of Ice Lake, Manitoulin Island, Ontario.

*Platystrophia clarksvillensis* Foerste
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 4, fig. 19 [ hypotype 18672 ].

*Platystrophia daytonensis* (Foerste)
Hypotypes 23577, 23578
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photos 24-26.
Manitoulin Formation, Lower Silurian, main highway ½ mile east of Ice Lake, Manitoulin Island, Ontario.

*Platystrophia daytonensis laurelensis* McEwan
Hypotypes 26503-26508
Chiang, K.K., 1972, J. Pal., vol. 46, no. 1, p. 18, pl. 1, figs. 15-22.
Amabel Formation, Middle Silurian, 1.5 miles north of Kemble, Keppel tp., Ontario.

*"Plectorhynchella" montifelicitatis* Sartenaer
Holotype 15522; paratypes 15524, 15539, 15543
Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 171, pl. 19, figs. 7a-9c; text-fig. 40.
Palliser Formation, Upper Devonian, ridge east of Sphinx Creek, Alberta.

*Plicocyrtina sinuplicata* Havlicek
Hypotypes 29311-29318
Lenz, A.C., 1972, J. Pal., vol. 40, no. 1, p. 99, pl. 1, figs. 1-20.
Lower Devonian, Royal Creek, Yukon.

*Plicoplasia acutiplicata* Lenz
Holotype 29321; paratypes 29319, 29320, 29322-29327
Lenz, A.C., 1972, J. Pal., vol. 40, no. 1, p. 102, pl. 2, figs. 1-22.
Lower Devonian, Royal Creek, Ontario.

*Plicostricklandia castellana* (White)
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photos 6, 10 [ hypotypes 20525, 20533 ].
Chiang, K.K., 1971, J. Pal., vol. 45, no. 5, p. 854, pl. 98, figs. 13-19.

*Plicostricklandia castellana* (White)
Hypotypes 30550, 30551
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 13, figs. 17, 18, 25.
Guelph Formation, Middle Silurian, east-west trail about 1¼ mile east of Michaels Bay, Manitoulin Island, Ontario.

*Plicostricklandia manitouensis* (Williams)
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 5 [ hypotype 20527 ].
Chiang, K.K., 1971, J. Pal., vol. 45, no. 5, p. 854, pl. 98, figs. 11, 12.

*Plicostricklandia manitouensis* (Williams)
Hypotype 23597
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 4.
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. D, fig. 3.
Fossil Hill Formation, Middle Silurian, junction of Manitowaning - South Baymouth and The Slash roads, lot 4, con. II, Assiginack tp., Manitoulin Island, Ontario.

*Plicostricklandia manitouensis* (Williams)
Hypotype 26496
Chiang, K.K., 1971, J. Pal., vol. 45, no. 5, p. 854, text-fig. 3.
Fossil Hill Formation, Middle Silurian, corner of Highway 68 and The Slash road, lot 4, con. II, Assiginack tp., Manitoulin Island, Ontario.

*Plicostricklandia multilirata* (Whitfiled)
Hypotypes 30543, 30544, 30548, 30549
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 13, figs. 7, 9, 13-15, 19.
Thornloe and Amabel Formations, Middle Silurian, Highway 65, lots 3-2, cons. III-IV, Harris tp., Lake Timiskaming region, and north-south road west of Lake Wolsley, Manitoulin Island, Ontario.

*Plicostricklandia* n. sp. aff. *P. manitouensis* (Williams)
Hypotypes 30537-30539
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 13, figs. 2, 6, 8.
Thornloe Formation, Middle Silurian, northwest side Highway 65, corner of lots 2-3, cons. II-III, Harris tp., Ontario.

*Praehorridonia yukonensis* (Nelson and Johnson)
Hypotypes 26849, 26850, 26864
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 5, figs. 2, 3; pl. 7, fig. 4.
Ettrain Formation, Carboniferous, lat. 65°53'N, long. 136°08'W, Peel River and lat. 65°48½'N, long. 138°55'W, Whitestone River, Yukon.

*Prionothyris* sp.
Fig. spec. 16523
Boucot, A.J., Cumming, L.M. and Jaeger, H., 1967, Geol. Surv. Can., Paper 67-25, p. 6, pl. 2, fig. 1.
York River Formation, Lower Devonian, Miner Brook, one mile above junction with Moose Brook, Dunière tp., Matane Co., Gaspé, Quebec.

*Productorthis mainensis* Neuman
Hypotypes 23294, 23295
Neuman, R.B., 1968, in Zen, E-an *et al.*, Studies of Appalachian Geology Northern and Maritime, pl. 3-1, figs. 1a-g.
Ordovician, Twillingate quadrangle ½ mile northwest of Village Cove, New World Island, Newfoundland.

*Productus avonensis* Bell

= *Diaphragmus avonensis*, Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 15, figs. 12a, b [ holotype 7953 ].

*Productus (Linoproductus) lyelli* Verneuil

= *Ovatia lyelli*, Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 15, fig. 9 [ neotype 7952 ].

*"Productus"* cf. *stuckenbergi* (Krotow)

Hypotype 27032

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 21, fig. 13.

Permian sandstone unit, lat. 67°41'N, long. 136°19'W, Bell River, Yukon.

*Proschizophoria* sp.

McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 11, fig. 30 [ fig. spec. 14761b ].

*Prosserella lucasi* (Grabau)

Hypotypes 23092-23132

Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 52, pl. 7, figs. 7-10, 13; pl. 8, figs. 3-5, 19, 20, 22, 24, 25.

Amherstburg, Lucas and Anderdon Formations, Detroit River Group, Middle Devonian, rock dump from dry cut, Detroit River at old railway crossing; south end of road-cut approximately 2½ miles north of Formosa; North America Cyanamid, Limited quarry approximately 2 miles southwest of Beachville, Ontario; southern end of Livingstone Channel, Detroit River, U.S.A.; Brunner, Mond Canada, Limited quarry about 1¼ miles northeast of Amherstburg; northwest corner of Chemical Lime Limited quarry approximately 1½ miles northeast of Ingersoll; shore of Lake Huron at McRae Point, con. A, Kincardine tp., Bruce co.; Canada Cement Company, Limited quarry approximately 3½ miles south of the village of Embro, lots 2 and 3, con. III, West Zorro tp., Oxford co.; and Amherst Quarries Limited on Pike Road, approximately 1½ miles southeast of Amherstburg, lot 22, con, III, Malden tp., Essex co., Ontario.

*Prosserella modestoides* (Grabau)

Hypotypes 23082-23091

Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 50, pl. 6, figs. 5, 11-15, 19-21.

Anderdon, Lucas and Amherstburg Formations, Detroit River Group, Middle Devonian, Canada Cement Company, Limited quarry approximately 3½ miles south of the village of Embro, lots 2 and 3, con. III, West Zorra tp., Oxford co.; Brunner, Mond Canada, Limited quarry about 1¼ miles northeast of Amherstburg, Ontario; Livingstone Channel in the bed of the Detroit River, U.S.A.; Amherst Quarries Limited on Pike Road approximately 1½ miles southeast of Amherstburg, Ontario; and west quarry of France Stone Company about 2.5 miles southwest of Sylvania, Lucas co., Ohio, U.S.A.

*Pseudolingula elegantula* (Shaler)
Hypotype 29604
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 4, fig. 5.
Ellis Bay Formation, Upper Ordovician, coastal section eastern edge of Port Menier, Anticosti Island, Quebec.

*Pseudolingula iowensis* (Owen)
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 8, figs. 18-19 [ hypotype 11099 ].

*Pseudosyrinx* cf. *wimani* Gobbett
Hypotype 27015
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 19, fig. 11.
Jungle Creek Formation, Permian, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Pseudosyrinx* sp.
Fig. specs. 26854, 27005
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 5, fig. 7; pl. 17, fig. 12.
Ettrain Formation equivalent, Carboniferous, lat. 65°53'N, long. 136°05½'W, Peel River; Permian, Tahkandit Formation, lat. 64°58½'N, long. 140°54'W, Tatonduk River, 3 miles east of Alaska boundary, Yukon.

?*Pseudosyrinx* sp.
Fig. specs. 26853, 26879, 27008
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 5, fig. 6; pl. 9, fig. 8; pl. 9, fig. 8; pl. 19, fig. 2.
Carboniferous, Ettrain Formation equivalent, lat. 65°53'N, long. 136°05½'W, Peel River and Tatonduk River, 3 miles east of Alaska boundary; Permian, lat. 67°58½'N, long. 136°24½'W, Fish Creek, northern Richardson Mountains, Yukon.

*Pterospirifer* cf. *P. alatus* (Schlotheim)
= *Pterospirifer* cf. *alatus*, Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 14, figs. 6a, b [ hypotype 13752 ].

?*Pterospirifer* sp.
Fig. spec. 27050
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 22, figs. 16, 17.
Permian sandstone unit, lat. 67°41'N, long. 136°19'W, Bell River, Yukon.

*Ptilorhynchia jeletzkyi* Owen
Holotype 31652; paratypes 31653-31679
Owen, E.F., 1972, Geol. Surv. Can., Paper 72-26, p. 1, pl. 1, figs. 1-4.
Relay Mountain Group, Upper Jurassic, Taseko Lakes area, lat. 51°09'N, long. 122°57'W, British Columbia.

*Ptychomaletoechia contractiformis* Sartenaer

Holotype 15926; paratypes 15927-15934

Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 149, pl. 15, figs. 1a-3e, 5a-9d; text-fig. 34.

Upper Devonian, left bank Mackenzie River, 10 3/4 miles above mouth of North Nahanni River; 5 3/4 miles upstream, on north side, south end of prominent scarp, and northeast side of Root River; and Trout River, Northwest Territories.

*Ptychomaletoechia finitima* Sartenaer

Holotype 20637; paratypes 20638, 20639, 20642

Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 168, pl. 15, figs. 4a-e, 12a-e; text-fig. 39.

Sassenach Formation, Upper Devonian, Fernie map-area, west half, lat. 49°20'5"N, long. 115°23'9"W, British Columbia.

*Ptychomaletoechia septentrionalis* Sartenaer

Holotype 20621; paratypes 20622-20631

Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 162, pl. 19, figs. 3a-6c; text-figs. 37, 38.

Upper Devonian, mountains on west and east sides of North Nahanni River valley, Northwest Territories.

*Ptychomaletoechia serva* Sartenaer

Holotype 15947; paratypes 15948-15952

Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 160, pl. 11, figs. 10a-13b; text-fig. 36.

Upper Devonian, Trout River; 40 miles above mouth and 4 miles below Redknife Lake, Redknife River; and Rabbit Lake, Northwest Territories.

*Ptychomaletoechia sulculifera* Sartenaer

Holotype 15935; paratypes 15936-15946

Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 155, pl. 16, figs. 1a-10b; text-fig. 35.

Palliser Formation, Upper Devonian, Bighorn Range, Blackstone River Gap; Devonian Mountain, Winnifred Pass; Sulphur Mountain, Banff National Park; "7 miles north of Jasper brook section, Swift's ranch, 350 feet above station 20 near trail, up south fork of brook", Jasper National Park; and southern side of Alberta-British Columbia highway No. 3 along Crowsnest Lake, Crowsnest Pass, sec. 8, tp. 8, rge. 5, W. 5th mer., Alberta.

*Ptychomaletoechia summa* Sartenaer

Holotype 20632; paratypes 15884, 15887, 15888, 20633-20636

Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 166, pl. 16, figs. 11a-13e.

Palliser Formation, Upper Devonian, Healy Creek, Bourgeau Range, Banff National Park; Mystery Lake, trail east of Fiddle River, Miette area; Maligne Canyon and southwest flank of Morro Peak, Jasper National Park, Alberta.

*"Pugnax" rara* Sartenaer
Holotype 20643; paratypes 20644-20649
Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 174, pl. 15, figs. 13a-e, 14a-e; text-fig. 41.
Upper Devonian, Yohin syncline, North Nahanni River valley, lat. 62°21'N, long. 123°44'W; 5 3/4 miles upstream on north side at south end of prominent scarp, about ½ mile up gully, and southwest side of Root River valley; and left bank of Mackenzie River, 10 3/4 miles above mouth of North Nahanni River, Northwest Territories.

*Punctospirifer transversa* (McChesney)
Hypotype 21752
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 13, fig. 10.
Etherington Formation, Mississippian, lat. 50°31.3'N, long. 115°6.4'W, Kananaskis Lakes area, Alberta.

?*Punctospirifer* sp.
Fig. spec. 26825
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 2, figs, 16, 18.
Ettrain Formation, lat. 53°23'N, long. 140°40'W, headwaters of Ettrain and Jungle Creeks, Yukon.

*Purdonella* cf. *nikitini* (Chernyshev)
Hypotypes 26943, 26947
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 14, figs. 6, 10.
Jungle Creek Formation, Permian, lat. 65°53'N, long. 136°08'W and lat. 65°53'N, long. 136°05½'W, Peel River, Yukon.

*Purdonella* sp.
Fig. specs. 26893, 26900
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 10, figs. 2, 9.
Ettrain Formation equivalent, Carboniferous, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Quadratia* cf. *hirsuteformis* (Walcott)
Hypotypes 26438-26440
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 1, figs. 1-4.
Hart River Foramtion, Carboniferous, lat. 65°53'N, long. 136°05½'W, north bank Peel River, approximately 9 miles east of its confluence with the Hart River, Yukon.

*Rafinesquina camerata* (Conrad)
= *Rafinesquina sardesoni*, Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 4, fig. 22 [ hypotype 3256 ].

*Rafinesquina trentonensis* (Conrad)
Hypotype 21965
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 8, fig. 15.
Middle Ordovician, Lakefield quarry, Ontario.

*Rafinesquina* sp.
Fig. specs. 22521-22526
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 35, pl. 14, figs. 25-27.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Rensselaeria ovalis* Hall
McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, figs. 38-40 [ hypotype 3366 ].

*Rensselaeria ovoides* Eaton
= *Rensselaeria ovoides* var. *gaspensis*, McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 11, fig. 24 [ hypotype 3307 ].

*Rensselandia laevis* (Meek)
Hypotypes 24473, 24474
Johnson, J.G., 1969, J. Pal., vol. 43, no. 3, p. 832, pl. 105, figs. 1, 2; text-figs. 1, 2.
Ramparts Formation, Middle Devonian, north end, right bank, Ramparts gorge, Mackenzie River, District of Mackenzie.

*Resserella eugeniensis* (Williams)
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. C, fig. 3 [ hypotype 17956 ].

*Resserella eugeniensis* (Williams)
= *Mendacella* sp., Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photo 5 [ hypotype 17955 ].
Norford, B.S., Bolton, T.E., Copeland, M.J. Cumming, L.M. and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 7, fig. 3.

*Resserella eugeniensis* (Williams)
Hypotypes 23571-23573
Bolton, T.E., Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photos 6, 17, 19.
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. C, fig. 14 [ 23572 ].
Manitoulin Formation, Lower Silurian, east-west secondary road, ¾ mile east of Rockville road, Bidwell tp., Manitoulin Island, Ontario.

*Resserella eugeniensis* var. *palaeoelegantula* (Williams)
Hypotype 23576
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photo 22.
Manitoulin Formation, Lower Silurian, entrance to Gore Bay airfield, Manitoulin Island, Ontario.

*Resserella ontarioensis* Chiang
Holotype 26515; paratypes 26516-26519
Chiang, K.K., 1972, J. Pal., vol. 46, no. 1, p. 19, pl. 2, figs. 1-10.
Amabel Formation, Middle Silurian, 1.5 miles north of Kemble, Keppel tp., Ontario.

*Resserella*(?) sp.
Fig. spec. 30479
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 8, fig. 13.
Thornloe Formation, Middle Silurian, lot 5, con. II, Harris tp., Ontario.

*"Reticularia"* ex gr. *curvata* (Schlotheim)
Hypotype 20686
McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 11, figs. 4, 5.
Blue Fiord Formation, Middle Devonian, Ellesmere Island, Arctic.

?*Reticulariina* sp.
Fig. spec. 21756
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 13, figs. 14a, b.
Pennsylvanian, ridge south side Ptolemy Creek, Crowsnest Pass, Alberta.

*Reticulariopsis* sp. aff. *R. reticularioides* (Grabau)
Hypotype 26641
Ludvigsen, R., 1970, Bull. Can. Petrol. Geol., vol. 18, no. 3, pl. 2, figs. 13-15.
Michelle Formation, Lower Devonian, lat. 65°31'N, long. 138°44'W, west of Blackstone River, Yukon.

*Reticulatia* cf. *uralica* (Licharev)
Hypotype 26931
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 13, fig. 4.
Jungle Creek Formation, Permian, lat. 65°53'N, long. 136°08'W, Peel River Yukon.

*Reticulatia* sp.
Fig. specs. 26886, 26901, 26937, 27006
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 8, fig. 3; pl. 10, fig. 10; pl. 13, fig. 10; pl. 17, fig. 13.
Carboniferous, Ettrain Formation, lat. 64°58½'N, long. 140°54'W, Tatonduk River; Permian, Jungle Creek Formation, lat. 65°53'N, long. 136°08'W, Peel River [ 26937 ]; and north bank Tatonduk River, 3 miles east of Alaska boundary, Yukon.

?*Reticulatia* sp.

Fig. specs. 26847, 26848, 26865, 26869, 26872, 26873, 26884, 26891, 26892 26898

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 4, fig. 9; pl. 5, fig. 1; pl. 6, fig. 3; pl. 7, fig. 5; pl. 8, figs. 1, 8; pl. 9, figs. 1, 2; pl. 10, figs. 1, 7.

Carboniferous, Ettrain Formation equivalent, lat. 65°53'N, long. 136°05½'W, Peel River; Tatonduk River, 3 miles east of Alaska boundary [ 26872, 26873 ] and lat. 64°58½'N, long. 140°54'W [ 26884, 26891, 26892, 26898 ]; and Ettrain Formation, lat. 65°38½'N, long. 138°34½'W, Ogilvie River [26865, 26869 ], Yukon.

*Rhipidomella* sp.

Fig. specs. 22975, 22990-22994

Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 22, pl. 1, figs. 7-10

Detroit River Group, Middle Devonian, east end of outcrop on south bank of Maitland River, east edge of Goderich and just below falls on Teeswater River, lot 4, cons. III-IV, Culross tp., Bruce co., Ontario.

*Rhipidomella* sp.

Fig. specs. 26818, 26819

Bamber, E.W., and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 2, figs. 8-10.

Wahoo Formation, Lisburne Group, Carboniferous, lat. 69°22½'N, long. 140°36'W, Malcom River, British Mountains, Yukon.

*Rhynchonella*(?) *laura* Billings

= *Leiorhynchus laura*, McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, figs. 45-47 [ syntype 3705h ].

*Rhynchopora magna* Cooper

Hypotype 26923

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 12, fig. 10.

Jungle Creek Formation, Permian, lat. 65°17½'N, long. 140°14½'W, Ettrain Creek, Yukon.

?*Rhynchopora* cf. *magna* Cooper

Hypotypes 26955, 26956

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 15, figs. 5, 6.

Jungle Creek Formation, Permian, lat. 65°53'N, long. 136°08'W, Peel River, Yukon.

*Rhynchopora* cf. *magnicosta* Mather

Hypotype 21755

Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 13, figs. 13a, b.

Pennsylvanian, Mt. Ptolemy, Crowsnest Pass, Alberta.

*Rhynchospirina*? sp.
Fig. spec. 25040
Lenz, A.C., 1970, J. Pal., vol. 44, no. 3, p. 496, pl. 87, figs. 18-20.
Road River Foramtion, Upper Silurian, Prongs Creek, lat. 65°17'30"N, long. 135°41'10"W, Yukon.

*Rhyncotrema increbescens* (Hall)
Hypotype 21966
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 8, figs. 16, 17.
Middle Ordovician, Lakefield quarry, Ontario.

*Rhynchotrema kananaskia* Wilson
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 5, figs. 5, 8, 18 [holotype 6749].

*Rhynchotrema windermeris* Wilson
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 5, figs. 6 [ hypotype 16895 ], 7, 9 [ hypotype 16896 ].

*Rhynchotrema* sp.
Fig. spec. 27673
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. A, fig. 12.
Lindsay Formation, Middle Ordovician, road-cut at south end of highway-railroad bridge, Little Current, Manitoulin Island, Ontario.

*Rhynchotreta americana* (Hall)
Hypotypes 26537-26540
Chiang, K.K., 1972, J. Pal., vol. 46, no. 1, p. 21, pl. 3, figs. 11-17.
Amabel Formation, Middle Silurian, 1.5 miles north of Kemble, Keppel tp., Ontario.

?*Rhynchotreta americana* Hall
Hypotypes 29653-29656
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 7, figs. 2-4, 8.
Becscie Formation, Middle Silurian, first major north-south logging road east of Jupiter River road, approximately 4 miles northeast of 24-mile lodge, Anticosti Island, Quebec.

*"Rhynchotreta" cabotensis* Williams
Hypotypes 30489, 30490
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 9, figs. 6, 7, 18, 19.
Thornloe Formation, Middle Silurian, Macnamera quarry, lot 6, con. VI, Armstrong tp., Ontario.

*Rhynchotreta lenzi* Chiang
Holotype 26543; paratypes 26541, 26542, 26544
Chiang, K.K., 1972, J. Pal., vol. 46, no. 1, p. 22, pl. 3, figs. 18-25.
Amabel Formation, Middle Silurian, 1.5 miles north of Kemble, Keppel tp., Ontario.

*Rhynchotretra usheri* Brown
Hypotype 21737
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 12, figs. 3a, b.
Banff Formation, Mississippian, upper Canyon Creek, Moose Mountain, Alberta.

*Rostricellula* cf. *minnesotensis* (Sardeson)
Hypotypes 22414-22424
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 28, pl. 13, figs. 1-18.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

?*Rotaia* sp.
Fig. sp. 26862
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 7, fig. 2.
Ettrain Formation, Carboniferous, lat. 65°48½'N, long. 138°55'W, Whitestone River, Yukon.

*Rugaltarostrum madisonense* (Haynes)
Hypotypes 15666-15677
Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 31, pl. 3, figs. 3a-4b, 6a-13b; text-fig. 4.
Upper Devonian, North Nahanni River valley, lat. 62°21'N, long. 123°43'W, and northeast side Root River, Camsell Range, Northwest Territories.

*Rugostrophia sylvestris* Neuman
Holotype 24786; paratypes 24787-24792
Neuman, R.B., 1971, Smithsonian Contr. Paleobiology, No. 3, p. 119, pl. 2B, figs. 1-11.
Middle Ordovician, on a tributary to Rocky Brook, approximately lat. 46°20'N, long. 66°56'W, and west bank of Middle Hayden Brook, 2,600 feet northwest of its mouth, approximately lat. 46°27'20"N, long. 60°46'20"W, York County, New Brunswick.

?*Rugivestis* sp.
Fig. spec. 26975
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 16, fig. 4.
Jungle Creek Formation, Permian, lat. 65°49½'N, long. 136°32½'W, Peel River area, Yukon.

*Salopina conservatrix* (McLearn)
Hypotypes 19283, 19307-19320
Walmsley, V.G., Boucot, A.J., and Harper, C.W., 1969, J. Pal., vol. 43, no. 2, p. 505, pl. 77, figs. 18-22; pl. 78, figs. 1-11.
Upper member, Ross Brook Formation, Middle Silurian, Pictou co. and Arisaig area, Nova Scotia.

*Salopina missendenensis* (Straw)
Hypotypes 19298-19306
Walmsley, V.G., Boucot, A.J., and Harper, C.W., 1969, J. Pal., vol. 43, no. 2, p. 509, pl. 77, figs. 4-14.
Stonehouse Formation, Upper Silurian, Arisaig area, Nova Scotia.

*Salopina robitaillensis* Walmsley, Boucot and Harper
Holotype 22925; paratypes 22917, 22921; hypotypes 22915, 22916, 22918-22920, 22922-22924, 22926-22928
Walmsley, V.G., Boucot, A.J., and Harper, C.W., 1969, J. Pal., vol. 43, no. 2, p. 510, pl. 73, figs. 7-12; pl. 74, figs. 1-9.
Robitaille Formation, Upper Silurian, northwest extremity Lac Cossette, Chénier-Bédard map-area, lat. 48°10'N, long. 68°43'W, Quebec.

*Salopina submedia* (McLearn)
Walmsley, V.G., Boucot, A.J., and Harper, C.W., 1969, J. Pal., vol. 43, no. 2, p. 504, pl. 75, figs. 8-12; pl. 76, figs. 1-3 [ hypotypes 18948, 18950, 18952-18958 ].

*Salopina submedia* (McLearn)
Hypotypes 19271-19282, 19284-19297
Walmsley, V.G., Boucot, A.J., and Harper, C.W., 1969, J. Pal., vo. 43, no. 2, p. 504, pl. 76, figs. 4-26; pl. 77, figs. 1-3.
French River and Stonehouse Formations, Middle and Upper Silurian, Pictou co. and shore section, Arisaig, Nova Scotia.

*Salopina* sp.
Fig. specs. 24979-24983
Lenz, A.C., 1970, J. Pal., vol. 44, no. 3, p. 483, pl. 83, figs. 18-26.
Road River Formation, Upper Silurian, Prongs Creek, lat. 65°17'30"N, long. 135°41'10"W, Yukon.

*Schedophyla potteri* Neuman
Holotype 24793; paratypes 24794-24796
Neuman, R.B., 1971, Smithsonian Contr. Paleobiology, no. 3, p. 122, pl. 2A, figs. 1-11.
Middle Ordovician, west bank of Middle Hayden Brook, 2,600 feet northwest of its mouth, approximately lat. 46°27'20"N, long. 60°46'20"W, York co., New Brunswick.

*Schellwienella kennetcookensis* Bell
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 15, fig. 11 [holotype 7654].

?*Schizonema* sp.
Fig. spec. 26500
Chiang, K.K., 1972, J. Pal., vol. 46, no. 1, p. 17, pl. 1, figs. 7-10.
Amabel Formation, Middle Silurian, 1.5 miles north of Kemble, Keppel tp., Ontario.

*Schizophoria* cf. *S. fragilis* Kozlowski
Hypotypes 24971-24978, 25142
Lenz, A.C., 1970, J. Pal., vol. 44, no. 3, p. 485, pl. 83, figs. 3-17.
Road River Formation, Upper Silurian, Prongs Creek, lat. 65°17'30"N, long. 135°41'10"W, Yukon.

*Schizophoria* sp. cf. *S. nevadaensis* (Merriam)
Hypotypes 26624-26626
Ludvigsen, R., 1970, Bull. Can. Petrol. Geol., vol. 18, no. 3, pl. 1, figs. 22-24.
Michelle Formation, Lower Devonian, lat. 65°41'N, long. 137°01'W, south-facing ridge at northern edge of Ogilvie Mountains, approximately halfway between Hart and Blackstone Rivers, Yukon.

*Schizophoria prima* Stauffer
Hypotypes 22969, 22970
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 21, pl. 1, fig. 6.
Amherstburg Formation, Detroit River Group, Lower or Middle Devonian, Livingstone Channel dry cut, Detroit River, U.S.A.

*"Schuchertella"* sp. cf. *"S." amherstburgense* Grabau
Hypotype 23000
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 29, pl. 1, fig. 13.
Lucas Formation, Middle Devonian, east wall of west quarry France Stone Company about 2.5 miles southwest of Sylvania near Silica, Lucas co., Ohio, U.S.A.

*"Schuchertella" varicostata* Fagerstrom
Hypotypes 22995-22999
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 28, pl. 1, fig. 15.
Formosa Reef limestone and Anderdon Formation, Detroit River Group, Middle Devonian, north end of road-cut approximately 2½ miles north of Formosa; northeast corner of North American Cyanamid Limited quarry approximately 2 miles southwest of Beechville; Amherst Quarries Limited on Pike Road approximately 1½ miles southeast of Amherstburg; west end of Chemical Lime Limited quarry, approximately 1½ miles northeast of Ingersoll; and just below falls on Teeswater River, lot 4, cons. III-IV, Culross tp., Bruce co., Ontario.

*Septacamera* cf. *plicata* (Kutorga)
Hypotype 26981
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 16, fig. 9.
Jungle Creek Formation, Permian, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Septospirifer tatondukensis* Waterhouse
Holotype 26437; paratypes 26434-26436
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, p. 224, pl. 27, figs. 1-5.
Jungle Creek Formation, Permian, lat. 64°58½'N, long. 140°54'W, north bank Tatonduk River, 3 miles east of Yukon-Alaska boundary and lat. 65°23'N, long. 140°40'W, headwaters of Ettrain and Jungle Creeks [26436], Yukon.

*Septospirifer* n. sp.
Fig. spec. 26997
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 17, fig. 3.
Tahkandit Formation, Permian, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Septospirifer sp.*
Fig. spec. 26999
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 17, fig. 5.
Tahkandit Formation, Permian, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Sinotectirostrum avellana* Sartenaer
Holotype 15873; paratypes 15874-15882
Sartenaer, P.,
1968, Internat. Symp. Devonian System, vol. 2, pl. 1, figs. 10a-c [holotype 15873].
1969, Geol. Surv. Can., Bull. 169, p. 116, pl. 14, figs. 6a-12e; text-fig. 28.
Upper Devonian, North Nahanni River valley, lat. 62°21'N, long. 123°43'W, Northwest Territories.

*Sinotectirostrum banffense banffense* (Warren)
Hypotypes 15633-15643
Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 103, pl. 12, fig. 5; pl. 13, figs. 1a-7d; text-figs. 24, 25.
Palliser Formation, Upper Devonian, left bank McLeod River opposite Inland Cement quarry; Lower Maligne Canyon; south boundary of Miette map-area, east half; Mountain Park area; and south side of the Gap, North Saskatchewan River, Alberta.

*Sinotectirostrum banffense shimeri* (Warren)
Hypotypes 15540, 15644-15646
Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 109, pl. 13, figs. 4a-5b.
Upper Devonian, locality uncertain; Palliser Formation, Upper Devonian, in gully west of Mount Standly, 300 feet above waterfall, Banff National Park and Maligne Canyon, Jasper National Park, Alberta.

*Sinotectirostrum mackenziei* Sartenaer

Holotype 15698; paratypes 15699-15708

Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 94, pl. 11, figs. 1a-6c; text-fig. 22.

Upper Devonian, Root River 5 3/4 miles upstream on north side, south end of prominent scarp; Liard Range, 25 miles above Liard River, Blackstone River; Mackenzie River left bank 10 3/4 miles above mouth of Nahanni River; and northeast side of Root River valley, Northwest Territories.

*Sinotectirostrum medicinale* Sartinaer

= *Sinotectirostrum medicinale medicinale,*

Sartenaer, P.,

1968, Internat. Symp. Devonian System, vol. 2, pl. 1, figs. 11a-c [paratype 15653].

1969, Geol. Surv. Can., Bull. 169, p. 84, pl. 10, figs. 2a-11c; pl. 13, figs. 9a-14c; text-figs. 19, 20 [paratypes 15648-15665].

*Sinotectirostrum medicinale deceptum* Sartenaer

Holotype 15892; paratypes 15893-15900

Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 91, pl. 11, figs. 7a-9e; text-fig. 21.

Sassenach Formation, Lower Devonian, southeast and northwest sides of Deception Creek, and southwest flank of Morro Peak, Jasper National Park, Alberta.

*Sinotectirostrum montosum* Sartenaer

Holotype 15883; paratypes 15885, 15886, 15889-15891

Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 120, pl. 15, figs. 10a-11e; text-fig. 29.

Palliser Formation, Upper Devonian, Healy Creek, Bourgeau Range, Banff National Park; southwest flank of Morro Peak, Jasper National Park; south of the lake and 500 feet above the highway, Crowsnest Pass, Alberta; and Fernie map-area, west half, lat. 49°19'10"N, long. 115°01'10"W, British Columbia.

*Sinotectirostrum nordeggi* (Kindle)

Hypotypes 15626-15632

Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 98, pl. 12, figs. 2a-3e; text-fig. 23.

Upper Devonian, east side of Brazeau Range, south of Shunda Creek; 2,600 feet due north of 7,000-foot knob at head of Lundine Creek; north side of 7,130-foot peak a mile west of head of Lundine Creek; at elevation 5,400 feet, ¼ mile east of west border and 1¼ miles south of north border of Alexo map-area; southwest flank of Idlewilde anticline, Tay River area; and left bank of McLeod River, opposite Inland Cement quarry, Cadomin, Alberta.

*Sinotectirostrum paucirugosum* Sartenaer

Holotype 15901; paratype 15902

Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 123, pl. 19, figs. 2a-e.

Sassenach Formation, Upper Devonian, Fernie map-area, west half, south face of mountain, 3 miles north-northeast of Elko, and lat. 49°20'32"N, long. 115°04'20"W, British Columbia.

*Sinotectirostrum saxirubrum* Sartenaer
Holotype 15863; paratypes 15864-15872
Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 113, pl. 14, figs. 1a-5b; text-fig. 27.
Imperial Formation, Upper Devonian, intermittent channel on left bank Redstone River, 55 miles from mouth, lat. 63°47'N, long. 125°34'W, Dahadinni map-area, Northwest Territories.

*Sowerbina* aff. *bullocki* (Nelson and Johnson)
Hypotypes 27023, 27024
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 21, figs. 1, 2.
Permian sandstone unit, lat. 67°47½'N, long. 136°01½'W, Rat River, northern Richardson Mountains, Yukon.

*Sowerbina* cf. *bullocki* (Nelson and Johnson)
Hypotype 27004
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 17, fig. 10.
Tahkandit Formation, Permian, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Sowerbina* cf. *timanicum* (Stuckenberg)
Hypotype 26935
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 13, fig. 8.
Permian, lat. 67°31'N, long. 136°32½'W, Bell River, northern Richardson Mountains, Yukon.

*Sowerbina* sp.
Fig. spec. 26953
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 15, fig. 3.
Jungle Creek Formation, Permian, lat. 65°53'N, long. 140°40'W, Jungle Creek, Yukon.

*Sowerbyella* sp. cf. *S. sericea* (Sowerby)
Hypotype 21961
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 8, fig. 8.
Middle Ordovician, Lakefield quarry, Ontario.

*Sowerbyella* sp.
Fig. spec. 29590
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 3, fig. 4.
Vauréal Formation, Upper Ordovician, main road 2.8 miles west of Vauréal River camp, Anticosti Island, Quebec.

*Sphenalosia smedleyi* Muir-Wood and Cooper
Hypotype 23530
Logan, A. and McGugan, A., 1968, J. Pal., vol. 42, no. 5, p. 1131, pl. 141, figs. 1, 2.
Ranger Canyon Chert, Ishbel Group, Permian, southwest of Wapiti Lake, northeastern British Columbia.

*Sphenosteges* sp. cf. *S. hispidus* (Girty)
Hypotype 23531
Logan, A. and McGugan, A., 1968, J. Pal., vol. 42, no. 5, p. 1131, pl. 141, fig. 3.
Range Canyon Chert, Ishbel Group, Permian, southwest of Wapiti Lake, northeastern British Columbia.

*Spinatrypa coriacea* Crickmay
McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 9, fig. 8 [holotype 16694].

*Spinulicosta navicella* (Hall)
Hypotypes 23001-23003
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 30, pl. 1, fig. 18.
Detroit River Group, Middle Devonian, 4½ miles west of Teeswater, Bruce co., and creek valley one-half mile east on Kinloss-Huron tp. line and one-fourth mile north of south boundary of Walkerton sheet, Bruce co., Ontario.

*Spirifer banffensis* Warren
=*Spirifer rundlensis*, Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 12, fig. 12[hypotype 8921].

*Spirifer bifurcatus* Hall
Hypotype 21745
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 12, fig. 16.
Livingstone Formation, Mississippian, lat. 50°34.4'N, long. 114°56'W, South Misty Range, Alberta.

*Spirifer esplanadensis* Brown
Hypotype 21741
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 12, figs. 7a, b.
Banff Formation, Mississippian, east flank, southeast end of Mount Esplanada, Jasper Park, Alberta.

*Spirifer esplanadensis* Brown
Hypotype 22060
Macqueen, R.W. and Bamber, E.W., 1968, Geol. Surv. Can., Paper 67-47 (1967), pl. 1, figs. 4a, b.
Upper Banff Formation, 69 feet below top, Mississippian, Sheep Creek, Alberta.

*Spirifer leidyi* Norwood and Pratten
Hypotype 21751
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 13, fig. 9.
Etherington Formation, Mississippian, Beehive Pass Trail, 1.5 miles S8°W from Mount Lyall, Alberta.

*Spirifer minnewankensis* Shimer
Hypotype 21742
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 12, fig. 9.
Banff Formation, Mississippian, east side Sunwapta Pass, Jasper Park, Alberta.

*Spirifer missouriensis* Swallow
Hypotype 21736
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 12, fig. 2.
Banff Formation, Mississippian, north spur Mount Simla, Alberta.

*Spirifer missouriensis* Swallow
Hypotype 22059
Macqueen, R.W. and Bamber, E.W., 1968, Geol. Surv. Can., Paper 67-47 (1967), pl. 1, figs. 3a, b.
Upper Banff Formation, 220 feet below top, Mississippian, Morrow Creek, Jasper Park, Alberta.

*Spirifer nikitini* Chernyschev
Hypotypes 23560, 23561
Logan, A. and McGregor, A., 1968, J. Pal., vol. 42, no. 5, p. 1136, pl. 144, figs. 14-16.
Telford Formation, Ishbel Group, Permian, Telford Creek headwaters, southeastern British Columbia.

*Spirifer nox* Bell
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 15, figs. 14a, b [holotype 7532].

*Spirifer occiduus* Sadlick
Hypotype 21754
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 13, fig. 12.
Todhunter Formation, Pennsylvanian, head of Elk River, southwest corner of Mount Storelk, Elk Range, Alberta.

*Spirifer osborni* Harker
Hypotypes 23551-23553
Logan, A. and McGuggan, A., 1968, J. Pal., vol. 42, no. 5, p. 1137, pl. 143, figs. 9-11.
Ishbel Group, Permian, Mount Greene beds near railway, Pine Pass, northeastern British Columbia.

*Spirifer* cf. *pellaensis* Weller
Hypotype 21747
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 13, fig. 4.
Mount Head Formation, Mississippian, Highwood Valley, Alberta.

*Spirifer* cf. *rowleyi* Weller
Hypotype 21743
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 12, fig. 10.
Banff Formation, Mississippian, east side Sunwapta Pass, Jasper Park, Alberta.

*Spirifer* cf. *rowleyi* Weller
Hypotype 22063
Macqueen, R.W. and Bamber, E.W., 1968, Geol. Surv. Can., Paper 67-47 (1967), pl. 1, fig. 7.
Upper Banff Formation, 47 feet below top, Mississippian, Picklejar Lakes, Alberta.

*Spirifer striato-paradoxus* Toula
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 14, fig. 9 [hypotype 13748].

*Spirifer striatoparadoxus* Toula
Hypotypes 23550, 23554-23559
Logan, A. and McGugan, A., 1968, J. Pal., vol. 42, no. 5, p. 1136, pl. 143, figs. 7, 8; pl. 144, figs. 1-13.
Ranger Canyon and Mowitch Formations, Ishbel Group, Permian, southwest of Wapiti Lake, southeastern British Columbia, and east of headwaters of Sulphur River (South Fork), Alberta.

*"Spirifer"* sp.
Fig. spec. 23077
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 48, pl. 7, fig. 27.
Detroit River Group, Middle Devonian, northeast corner North American Cyanamid Limited quarry approximately 2 miles southwest of Beachville, Ontario.

*Spirifera cycloptera* Hall
= *"Spirifer" cyclopterus*, McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 11, figs. 26-28. [hypotype 3303]

*Spirifera disjuncta* Sowerby
Hypotype 4240
Whiteaves, J.F., 1891, Geol. Surv. Can., Contr. Can. Pal., vol. 1, pt. 3, p. 221, pl. 29, fig. 4.
Upper Devonian, 40 miles above mouth Hay River, Northwest Territories.

*Spirifera superba* Billings
= *"Spirifer" arenosus* var. *unicus*, McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 11, figs. 21, 22. [hypotype 3301].

*Spiriferella editiareatus* Einor
Hypotype 26945
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 14, fig. 8.
Jungle Creek Formation, Permian, lat. 65°53'N, long. 136°08'W, Peel River, Yukon.

*Spiriferella* aff. *keilhavii* (von Buch)
Hypotype 27040
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 20, fig. 7.
Tahkandit Formation, Permian, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Spiriferella ordinaria* Einor
Hypotypes 26960, 26962, 26963
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 15, figs. 10, 12-14.
Jungle Creek Formation, Permian, lat. 65°53'N, long. 136°08'W, Peel River, Yukon.

*Spiriferella rajah* (Salter) subsp. A
Hypotype 22056
Nelson, S.J. and Johnson, C.E., 1968, J. Pal., vol. 42, no. 3, pt. 1, p. 731, pl. 94, fig. 1.
Permian, Tatonduk River section, lat. 65°12'N, long. 140°39'W, Yukon.

*Spiriferella* aff. *saranae* (de Verneuil)
Hypotype 26944
Bamber, E.W. and Waterhouse, J.B., Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 14, fig. 7.
Jungle Creek Formation, Permian, lat. 65°53'N, long. 136°08'W, Peel River, Yukon.

*Spiriferella* cf. *saranae* (de Verneuil)
Hypotypes 26946, 26950
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 14, figs. 9, 13.
Permian, lat. 67°31'N, long. 136°32½'W, Bell River, northern Richardson Mountains; Jungle Creek Formation, lat. 65°53'N, long. 136°08'W, Peel River, Yukon.

*Spiriferella* sp.
Fig. spec. 21763
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 14, fig. 11a, b.
Permian, lat. 65°52'N, long. 136°10'W, Peel River area, Yukon.

*Spiriferella* sp.
Fig. specs. 26855, 26908, 26949, 26998, 27003, 27005, 27014, 27016, 27034
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 5, fig. 8; pl. 11, fig. 7; pl. 14, fig. 12; pl. 17, figs. 4, 9, 11; pl. 19, figs. 8, 12; pl. 21, fig. 16.
Carboniferous, Ettrain Formation equivalent, lat. 65°53'N, long. 136°05½'W, Peel River [27855]; Permian, Jungle Creek and Tahkandit Formations, north bank of Tatonduk River, 3 and 3+ miles east of Alaska boundary; Permian, lat. 67°31'N, long. 136°32½'W [26949], and lat. 67°41'N, long. 136°19'W [27034], Bell River, northern Richardson Mountains, Yukon.

*Spiriferina borealis* Whiteaves
= *Spiriferina abichi*, Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 17, figs. 14a, b [hypotype 4733].

*Spiriferina (Rastelligera) canadensis* Logan
Holotype 20393; paratypes 20394-20407
Logan, A., 1967, Geol. Surv. Can., Bull. 155, p. 26, pl. 3, figs. 1a-7c; pl. 4, figs. 1a-8; text-figs. 3, 4b, 5, 8.
Blaa Mountain Formation, Middle Triassic, northwest mouth of Emma Fiord, Cape Stallworthy area; northern Raaenes Peninsula south of Gretha Islands [20403]; and west of Hare Fiord, lat. 80°40'N, long. 87°45'W [20404, 20405], Ellesmere Island, Arctic.

*Spiriferina (Rastelligera) lundgreni* Boehn
Hypotypes 20408-20418
Logan, A., 1967, Geol. Surv. Can., Bull. 155, p. 28, pl. 5, figs. 1a-13; text-fig. 4a.
Schei Point Formation, Middle Triassic, about 20 miles southeast of Cape Lockwood, Canyon Fiord, Ellesmere Island, Arctic.

?*Spiriferina (Rastelligera)* sp. indet.
Fig. specs. 20380-20382
Logan, A., 1967, Geol. Surv. Can., Bull. 155, p. 31, pl. 1, figs. 10a, b.
Schei Point Formation, Middle Triassic, Cape With, Canyon Fiord, Ellesmere Island, Arctic.

*Spirifernia (Spiriferina) ellesmerensis* Logan
Holotype 20373; paratypes 20374-20379
Logan, A., 1967, Geol. Surv. Can., Bull. 155, p. 19, pl. 1, figs. 1a-7b; text-figs. 4c, 7A.
Schei Point Formation, Middle Triassic, 25 and about 20 miles southeast of Cape Lockwood, Canyon Fiord, Ellesmere Island, Arctic.

*Spiriferina (Spiriferina) rostrata* (Schlotheim)
Hypotype 20419
Logan, A., 1967, Geol. Surv. Can., Bull. 155, text-figs. 2a-c.
Lias, Balingen, Wurttemburg, Germany.

*Spiriferina (Spiriferina) shalshalensis* Bittner
Plaster cast of holotype 20392
Logan, A., 1967, Geol. Surv. Can., Bull. 155, p. 21, pl. 2, figs. 9a-e.
Upper Triassic, Shalshal section near Rimkin, Paiar, Himalayas.

*Spiriferina (Spiriferina) shalshalensis* Bittner
Hypotypes 20383-20391
Logan, A., 1967, Geol. Surv. Can., Bull. 155, p. 21, pl. 2, figs. 1a-8e; text-figs. 4d, 7B.
Schei Point Formation, Middle Triassic, Cape With, Canyon Firod, Ellesmere Island, Arctic.

Spiriferinid sp.
Fig. spec. 26877
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 9, fig. 6.
Ettrain Formation equivalent, Carboniferous, Tatonduk River, 3 miles east of Alaska boundary, Yukon.

?Spiriferinid
Fig. spec. 26856
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 5, fig. 9.
Ettrain Formation equivalent, Carboniferous, lat. 65°53'N, long. 136°05½'W, Peel River, Yukon.

*Spirigerina (Eospirigerina) parksi* (Williams)
Hypotype 23575
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin, Geol. Soc. Ann. Field Excursion, fig. 12, photos 16, 21.
Manitoulin Island, Lower Silurian, north end of lot 19, con. XII, Billings tp., Manitoulin Island, Ontario.

*Spirigerina (Eospirigerina) parksi* (Williams)
Hypotype 27696
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. C, fig. 21.
Manitoulin Formation, Lower Silurian, north end of lot 19, con. XII, Billings tp., Manitoulin Island, Ontario.

*Spirigerina (Eospirigerina) praemarginalis* (Savage)
Hypotypes 29602, 29603
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 4, figs. 4, 7.
Ellis Bay Formation, Upper Ordovician, junction of Ste. Marie road and logging road east at southern end of Petit Lac Ste. Marie, and logging road east from southern end of Petit Lac Ste. Marie, Anticosti Island, Quebec.

*Spirinella collina* Crickmay
Holotype 25547; paratypes 25548-25551
Crickmay, C.H., 1968, Discoveries in the Devonian of western Canada, p. 6, pl. 3, figs. 1-4 [25549], 5-8 [25550]; pl. 4, figs. 1-5 [25548], 6-9 [25551]; pl. 6, figs. 6-8, 12, 13 [25547].
Lower Devonian, lat. 68°2'38"N, long. 138°0'44"W, Yukon.

*Spondylospira lewesensis* (Lees)
Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 18, figs. 15a [hypotype 14261], b [14259], c [14260]

*Stegerhynchus angaciensis* Chernyshev
Hypotypes 25007-25013
Lenz, A.C., 1970, J. Pal., vol. 44, no. 3, p. 488, pl. 85, figs. 16-29.
Road River Formation, Upper Silurian, Prongs Creek, lat. 65° 17'30"N, long. 135° 41'10"W, Yukon.

*Stegerhynchus neglectum* (Hall)
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photo 23. [hypotype 20477].

*Stegerhynchus neglectum* (Hall)
Hypotypes 30488, 30506
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 9, fig. 5; pl. 10, figs. 9, 10; pl. 11, fig. 16.
Thornloe Formation, Middle Silurian, Macnamara quarry, lot 6, con. VI, Armstrong tp., and quarry southwest corner lot 9, con. III, Harley tp., Ontario.

*Stegerhynchus* sp. cf. *S. peneborealis* (Twenhofel)
Hypotypes 29671-29673
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 8, figs. 4, 5, 10.
Gun River Formation, Middle Silurian, west bank of Jupiter River, 6½ miles upriver, Anticosti Island, Quebec.

*Stegerhynchus praecursor* (Foerste)
Hypotypes 26529-26532, 26534-26536
Chiang, K.K., 1972, J. Pal., vol. 46, no. 1, p. 24, pl. 2, figs, 31-34; pl. 3, figs. 3-10.
Amabel Formation, Middle Silurian, 1.5 miles north of Kemble, Keppel tp., Ontario.

*Stegerhynchus vicina* (Billings)
Hypotypes 29732-29734
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 12, figs. 2, 3, 8.
Chicotte Formation, Middle Silurian, Brick River road 2.3 miles south of creek draining into Brick River from the west [29732], and Southwest Point road, approximately 0.6 miles inland from The Jumpers, Anticosti Island, Quebec.

*Stegerhynchus*(?) *winiskensis* (Whiteaves)
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photo 39. [hypotype 20501].

*Stegerhynchus*(?) *winiskensis* (Whiteaves)
Hypotypes 30407, a-30417
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 1, figs. 14, 16, 19-28.
Middle Silurian, Wabi and Thorloe Formations, 1,000 feet upriver from bridge over Evanturel Creek, south of Englehart, and-lots 3-4, con. V, Harris tp.; Mindemoya Formation, road-cut on western outskirts of the town of Big Lake, Manitoulin Island, Ontario; and Fiborn quarry, about 3 miles east and 3 miles north of Rexton, Michigan, U.S.A.

*Stegerhynchus*(?) spp.
Fig. specs. 30478, 30491-30495, 30524
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 8, fig. 12; pl. 9, figs. 8-11, 14-16; pl. 11, fig. 15.
Thornole Formation, Middle Silurian, road-cut opposite northwestern corner of Macnamara quarry, top and bottom of quarry, lot 6 con. VI, Armstrong tp., and roadside exposure, lot 12, cons. V-VI road, Dymond tp., Ontario.

*Stenoscisma plicatum* (Kutorga)
= *"Stenoscisma" plicatum*, Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 14, fig. 10 [hypotype 13737].
= *Septacamera opitula*, Grant, R.E., 1971, Smithsonian Contr. Paleobilology, no. 3, p. 321 [holotype 13737]

*Stenoscisma* sp.
Fig. spec. 27020
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 19, figs. 19, 22.
Permian sandstone unit, lat. 67°47½'N, long. 136°01½'W, Rat River, northern Richardson Mountains, Yukon.

*Streptorhynchus kempei* Anderson
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 14, figs. 8a, b [hypotype 13517].

*Stricklandia canadensis* Billings
= *Costistricklandia canadensis*, Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 7, fig. 18 [hypotype 17972].

*Stricklandia* sp. aff. *S. lens* (Sowerby)
Hypotype 29668
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 7, fig. 18.
Becscie Formation, Middle Silurian, Jupiter River road near top of escarpment north of 24-mile lodge, Anticosti Island, Quebec.

*Stricklandia salteri* Billings
Hypotypes 29705, 29706
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 10, figs. 1, 9.
Jupiter Formation, Middle Silurian, east bank Chicotte River, 2 miles above mouth, and Shallop River, 4 miles above mouth, Anticosti Island, Quebec.

*Stricklandia* sp.
Fig. spec. 29730
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 11, fig. 13.
Jupiter Formation, Middle Silurian, coastal section west of Bilodeau River, Anticosti Island, Quebec.

*Stricklandinia manitouensis* Williams
=*Plicostricklandia manitouensis*, Chiang, K.K., 1971, J. Pal., vol. 45, no. 5, p. 854, pl. 98, figs. 6-10 [lectotype 5126].

*Stringocephalus aleskanus* Crickmay
Paratype 25597a-c
Crickmay, C.H., 1962, New Devonian fossils from western Canada, p. 12, pl. 9, fig. 1.
Devonian, lat. 65°18'N, long. 129°27'W, Gayana River valley, Northwest Territories.

*Stringocephalus asteius* Crickmay
Paratypes 25598-25600
Crickmay, C.H., 1963, Significant new Devonian brachiopods from western Canada, p. 28, pl. 6, figs. 5, 6 [25600], 7 [25598]; pl. 16, figs. 4, 7 [25599].
Ramparts Formation, Middle Devonian, Ramparts, Mackenzie River, Northwest Territories.

*Stringocephalus chasmognathus* Crickmay
Paratypes 25593, 25594
Crickmay, C.H., 1960, J. Pal., vol. 34, p. 885, text-figs. B6-10 [25594], C1-4 [25593].
Ramparts Formation, Middle Devonian, 7 miles northwest of Monkman Lake and 6 miles east of Sentinel Mountain, British Columbia.

*Stringocephalus ciconia* Crickmay
Holotype 25574a-d; paratypes 25575-25577
Crickmay, C.H., 1968, Discoveries in the Devonian of western Canada, p. 9, pl. 7, figs. 1-6 [25574]; pl. 13, figs. 1-4 [25575]; pl. 14, figs. 1, 2 [25576], 3-5 [25577].
Winnipegosis Formation, Middle Devonian, north shore Salt Point about 2 miles from the point, Lake Manitoba, Manitoba.

*Stringocephalus noctua* Crickmay
Holotype 25578; paratypes 25579-25586
Crickmay, C.H., 1968, Discoveries in the Devonian of western Canada, p. 10, pl. 8, figs. 1-7 [25579]; pl. 9, figs. 1-8 [25580]; pl. 14, figs. 6, 7 [25581]; pl. 15, figs. 1-5 [25582]; pl. 16, figs. 1-3 [25583], 4-6 [25578], 7 [25585]; pl. 17, figs. 1-3 [25586], 4 [25584].
Middle Devonian, quarry on west side of The Narrows, 2,000 feet from shore, Lake Manitoba, Manitoba.

*Stringocephalus parasulcatus* Crickmay
Holotype 25587
Crickmay, C.H., 1968, Discoveries in the Devonian of western Canada, p. 11, pl. 6, figs. 16-19.
Middle Devonian, Deep Bay no. 1 well, at 660 feet, Northwest Territories.

*Stringocephalus* sp.
Fig. spec. 20683
McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 9, fig. 26.
Kee Scarp Formation, Middle Devonian, Ramparts gorge, left bank Mackenzie River, Northwest Territories.

"*Strophochonetes*" *filistriata* (Walcott)
Hypotypes 26633-26635
Ludvigsen, R., 1970, Bull. Can. Petrol. Geol., vol. 18, no. 3, pl. 2, figs. 1-3.
Michelle Formation, Lower Devonian, lat. 65°38.2'N, long. 136°44'W, west side Hart River at northern edge of Ogilvie Mountains, and lat. 65°41.5'N, long. 137°26.5'W, east side Blackstone River at northern edge of Ogilvie Mountain front, Yukon.

*Strophodonta (Strophodonta) homolostriata* Grabau
Neotype 22976; hypotypes 22977-22980
Fagerstrom, J.A., 1972, Geol. Surv. Can., Bull. 204 (1971), p. 23, pl. 2, figs. 1-4.
Amherstburg Formation, Detroit River Group, Lower or Middle Devonian, Livingstone Channel dry cut, Detroit River, U.S.A.; shore of Lake Huron at McRae Point, con. A, Kincardine tp., Bruce co.; and just below falls on Teeswater River, lot 4, cons. III-IV, Culross tp., Bruce co., Ontario.

'*Strophomena*' *arcuata* Shaler
Hypotype 29614
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 4, fig. 17.
Ellis Bay Formation, Upper Ordovician, road south from Lake Faure at top of rise on south bank of Baleine River, Anticosti Island, Quebec.

*Strophomena fluctuosa* Billings
Hypotype 29566
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 1, fig. 9.
Vauréal Formation, Upper Ordovician, section in bank 3/4 mile west of Pte. à l'epinette, Anticosti Island, Quebec.

*Strophomena hecuba* Billings
Hypotype 29586
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 2, fig. 13.
Vauréal Formation, Upper Ordovician, main road 2.8 miles west of Vauréal River camp, Anticosti Island, Quebec.

*Strophomena huronensis* Foerste
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. B, fig. 18 [hypotype 18664].

*Strophomena tullia* Billings
*Leptostrophia magnifica* var *tullia*, McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 11, fig. 29 [syntype 3285].

*Strophomena* sp. aff. *S. vetusta* (James)
Hypotype 27683
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. B, fig. 12.
Georgian Bay Formation (Kagawong beds), Upper Ordovician, road exposure along boundary Howland and Bidwell tps., approximately 3½ miles west of Sheguiandah, Manitoulin Island, Ontario.

*Strophomena* sp.
Fig. spec. 21960
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guidebook 3, photo 8, fig. 7.
Middle Ordovician, Lakefield quarry, Ontario.

*Strophomena* sp.
Fig. specs. 22527-22539
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 35, pl. 15, figs. 19-25.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Strophonella planulata* (Hall)
Hypotype 3210
McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 11, fig. 23.
Gaspé Limestone Group, Lower Devonian, between Cape Gaspé and Cape Rosier, Quebec

Syringothyrinid
Fig. spec. 26896
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 10, fig. 5.
Ettrain Formation equivalent, Carboniferous, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Tecnocyrtina billingsi* (Meek)
Hypotypes 27825-27827
Johnson, J.G. and Norris, A.W., 1972, J. Pal., vol. 46, no. 4, p. 566, pl. 2, figs. 1-5, 15-19; text-fig. 1.
Firebag and Peace Point Members, Waterways Formation, Upper Devonian, east bank Athabasca River at Mile 63.5 miles, and north bank of Peace River, about 1.1 miles east-northeast of east end of island, just below Boyer Rapids, Gypsum Cliffs, Alberta.

*Tenticospirifer keleticus* Crickmay
Paratype 25589
Crickmay, C.H., 1952, J. Pal., vol. 26, p. 591, pl. 73, figs. 10-19.
Devonian, left bank Mackenzie River, 8 miles above mouth North Nahanni River, Northwest Territories.

*Terebratula liardensis* Whiteaves
="*Terebratula*" *liardensis*, Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 17, figs. 15a-c [syntype 4734].

*Terebratula suttonensis* Clapp and Shimer

Hypotype 33311

Shimer, H.W., 1926, Geol. Surv. Can., Contr. Can. Pal., Bull. 42, p. 86, pl. 9, fig. 1.

'Upper Triassic', east side Pearson Creek, Bridge River map-area, British Columbia.

*Terrakea arctica* Waterhouse

Holotype 24475; paratypes 24476-24482, 24484-24486

Waterhouse, J.B., 1971, Smithsonian Contr. Paleobiology, no. 3, p. 354, pl. 1, figs. 1-15; pl. 2, figs. 1-14.

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 22, figs. 11 [24476], 12 [24477], 13 [24481].

Permian, lat. 67°41'N, long. 136°19'W and lat. 67°47'N, long. 136°02'W, 3 miles north of Horn Lake, Symmetry mountain, Bell River, Yukon; Assistance Formation, Permian, 3 and 4 miles northwest and 16 miles southwest of center of Tingmisut Lake, 4 miles southeast of Tingmisut Lake on east side of west arm of Weatherall Bay, Sabine Peninsula, Melville Island, Arctic.

*Terrakea* sp.

Fig. spec. 24483

Waterhouse, J.B., 1971, Smithsonian Contr. Paleobiology, no. 3, p. 357, pl. 2, fig. 15.

Permian, 6 miles west of Tingmisut Lakes, Melville Island, Arctic.

*Thaerodonta* sp. aff. *T. saxea* (Sardeson)

Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 5, figs. 12-14 [hypotypes 16887-16889].

*Thamnosia* sp.

Fig. specs. 26385, 26386

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 20, figs. 1, 4.

Tahkandit Formation, Permian, lat. 64°58½'N, long. 140°54'W, north bank Tatonduk River, 3+ miles east of Alaska boundary, Yukon.

?*Thamnosia* sp.

Fig. spec. 27037

Bamber, E.W., and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 20, fig. 2.

Tahkandit Formation, Permian, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Theodossia scopulorum* (Crickmay)

McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, figs. 31-33 [hypotype 16562].

*Thliborhynchia julli* Lenz

Holotype 22805; paratypes 22801-22804, 22806-22818

Lenz, A.C., 1967, J. Pal., vol. 41, no. 5, p. 1189, pl. 161, figs. 1-34.

Lower Devonian, 592-593, 647-662, and 735-750 feet above highest Silurian, southernmost branch of headwaters Royal Creek, lat. 64°46'22"N, long. 135°12'36"W, Yukon.

*Timaniella harkeri* Waterhouse
Holotype 26427; paratypes 26424-26426, 26428-26433, 27784-27787
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, p. 220, pl. 26, figs. 10-21.
Permian, lat. 67°58½'N, long. 136°24½'W, Fish Creek, northern Richardson Mountains, Yukon; Assistance Formation, Permian, Grinnell Peninsula, West Devon Island [26424, 27787] and Melville Island [26425, 26429], Arctic.

*Tingella timetea* Crickmay
Topotypes 25669, 25670
Crickmay, C.H., 1963, Significant new Devonian brachiopods from western Canada, p. 17, pl. 11, figs. 14-16, 18.
Ramparts Formation, Middle Devonian, Ramparts, Mackenzie River, Northwest Territories.

*Tityrophoria nelsoni* Waterhouse
Holotype 26417; paratypes 26415, 26416, 27783
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, p. 216, pl. 25, figs. 11-15.
Tahkandit Formation, Permian, lat. 64°58½'N, long. 140°54'W, north bank Tatonduk River, 3 miles east of Yukon-Alaska boundary.

*Tomiopsis magna* (Campbell)
Hypotypes 24831, 24832
Waterhouse, J.B., 1971, J. Pal., vol. 45, no. 1, p. 77, pl. 17, figs. 1, 2, 4, 5, 9, 10.
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 20, figs. 5, 9.
Assistance Formation, Permian, 5 miles southeast of Tingmisut Lake, on east side of west arm of Weatherall Bay, Melville Island, Arctic.

*Tomiopsis ovulum* Waterhouse
Holotype 24802; paratypes 24803-24818, 24829, 24830
Waterhouse, J.B., 1971, J. Pal., vol. 45, no. 1, p. 33, pl. 15, figs. 1-15; pl. 16, figs. 1-16; pl. 17, figs. 3, 6-8, 11, 12.
Kindle Formation, Permian, core of small anticline exposed ¼ mile north of Alaska Highway at mile-post 382.5 from Fort Nelson, northeastern British Columbia.

*Tomiopsis ovulum* Waterhouse
Hypotypes 26924, 26925
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 12, figs. 13, 14.
Kindle Formation, Permian, ¼ mile north of Alaska Highway mile-post 382.5, British Columbia.

*Tomiopsis* sp.
Fig. specs. 26927, 26961
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 12, fig. 16; pl. 15, fig. 11.
Kindle Formation, Permian, ¼ mile north of Alaska Highway mile-post 382.5, British Columbia; Jungle Creek Formation, Permian, lat. 65°53'N, long. 136°08'W, Peel River, Yukon.

*Toquimaella kayi* Johnson

Paratypes 19601-19606

Johnson, J.G., 1967, J. Pal., vol. 41, no. 4, p. 878, pl. 111, figs. 16-30.

Stuart Bay Formation, Lower Devonian, 6 miles west of Goodsir Inlet, southeastern Bathurst Island, Arctic [ 19601-19603 ] ; Road River Formation, Lower Devonian, headwaters of Royal Creek, about 2 miles northwest of a cirque, south side of valley, lat. 64°46'22"N, long. 135°12'36"W, Yukon [ 19604-19606 ] .

*Tornquistia* sp.

Fig. specs. 26966, 26967

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 15, figs. 16, 17.

Jungle Creek Formation, Permian, lat. 65°53½'N, long. 136°13'W, north bank of Peel River, Yukon.

*Trematis ottawaensis* Billings

Hypotype 21967

Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 8, fig. 20.

Middle Ordovician, Lakefield quarry, Ontario.

*Trematis*(?) sp.

Fig. spec. 29639

Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 6, fig. 1.

Elles Bay Formation, Upper Ordovician, Becscie River road, 4.5 miles south of west branch Becscie River crossing, Anticosti Island, Quebec.

*Trifidorostellum cascadense cascadense* (Warren)

Hypotypes 15525-15537

Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 22, pl. 1, figs. 2a-5e; text-figs. 2A-D.

Palliser Formation, Upper Devonian, Healy Creek, Bourgeau Range; near Banff; and southeastern end of Mount Rundle, Banff National Park, Alberta.

*Trifidorostellum dunbarense* (Haynes)

Sartenaer, P., 1969, Geol. Surv. Can., Bull. 169, p. 18, text-fig. 1A [ hypotype 15523 ] .

*Triplesia anticostiensis* Twenhofel

Hypotypes 29684-29686

Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 8, figs. 9, 19, 23.

Jupiter Formation, Middle Silurian, creek section 1½ miles west of mouth of Jupiter River, Anticosti Island, Quebec.

*Tritoechia billingsi* Neuman

Holotype 23296; paratypes 23297-23299

Neuman, R.B., 1968, in Zen, E-an *et al.*, Studies of Appalachian Geology Northern and Maritime, pl. 3-1, figs. 2a-i.

Ordovician, Twillingate quadrangle ½ mile northwest of Village Cove, New World Island, Newfoundland.

*Tubersulculus maximus* Waterhouse

Holotype 26393; paratypes 26387-26392, 26394, 26395

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, p. 209, pl. 23, figs. 1-11.

Jungle Creek and Tahkandit Formation, Permian, lat. 65°17½'N, long. 140°43'W, west of headwaters of Ettrain and Jungle Creeks [ 26393-26395 ] ; lat. 64°58½'N, long. 140°54'W, north bank Tatonduk River, 3 miles east of Yukon-Alaska boundary [ 26387 ] ; lat. 65°18'N, long. 140°45'W, 1 mile northwest of headwaters of Ettrain and Jungle Creeks [ 26388, 26390 ] ; and lat. 65°23'N, long. 140°40'W, headwaters of Ettrain and Jungle Creeks [ 26389, 26391, 26392 ] , Yukon.

Typical small atrypid

Fig. spec. 29738

Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 12, fig. 6.

Chicotte Formation, Middle Silurian, Southwest Point road, approximately 0.6 mile inland from The Jumpers, Anticosti Island, Quebec.

*Umboanctus spinosus* Waterhouse

Holotype 26411; paratypes 26409, 26410, 26412-26414

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, p. 213, pl. 25, figs. 1-10.

Ettrain Formation equivalent, Carboniferous, lat. 65°53'N, long. 136°05½'W, Peel River, Yukon.

*Valcourea* sp.

Fig. spec. 23300

Neuman, R.B., 1968, in Zen, E-an et al., Studies of Appalachian Geology Northern and Maritime, pl. 3-1, fig. 3.

Ordovician, Twillingate quadrangle ½ mile northwest of Village Cove, New World Island, Newfoundland.

*Vellamo diversa* (Shaler)

Hypotype 29598

Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 4, fig. 1.

Ellis Bay Formation, Upper Ordovician, Junction Cliff, Anticosti Island, Quebec.

*Virgiana barrandei* (Billings)

Hypotypes 29665-29667

Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 7, figs. 15, 16, 19, 20.

Becscie Formation, Middle Silurian, La Loutre River road, 7.6-7.9 miles south of main highway, and west bank Jupiter River approximately 1 mile upriver from 24-mile lodge, Anticosti Island, Quebec.

*Virgiana decussata* (Whiteaves)

Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photo 30 [ hypotype 20500 ] .

*Virgiana* sp.
Fig. specs. 22965, 22966
Gauri, K.L. and Boucot, A.J., 1968, Palaeontographica, Bd. 131, Abt. A, p. 104, pl. 10, figs. 1-3; text-figs. 15a, b.
Gun River and Becscie Formations, Middle Silurian, en amont du Batiment Jupiter River and Becscie River, Anticosti Island, Quebec.

*Visbyella nana* (McLearn)
Hypotypes 19168-19174, 19592
Walmsley, V.G., Boucot, A.J., Harper, C.W., and Savage, N.M., 1968, Palaeontology, vol. 11, pt. 2, p. 311, pl. 62, figs. 1-8c.
Ross Brook Formation, Lower-Middle Silurian, Antigonish and Pictou countries, Nova Scotia.

*Waagenoconcha* sp. cf. *W. abichi* (Waagen)
Hypotypes 23535-23538
Logan, A. and McGugan, A., 1968, J. Pal., vol. 42, no. 5, p. 1133, pl. 141, figs. 7-10.
Ishbel Group, Permian, 3½ miles south of Carbon Creek between Pine and Peace Rivers and Mount Greene beds, near railway, Pine Pass, northeastern British Columbia.

*Waagenoconcha* sp.
Fig. spec. 21761
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 14, fig. 4.
Permian, lat. 65°52'N, long. 136°10'W, Peel River area, Yukon.

*Waagenoconcha* sp.
Fig. specs. 26844, 26868, 26887, 26920, 26932, 27000
Bamber, E.W. and Waterhouse, J.B., 1971, Bull Can. Petrol. Geol., vol. 19, no. 1, pl. 4, fig. 5; pl. 6, fig. 2; pl. 8, fig. 4; pl. 12, fig. 7; pl. 13, fig. 15; pl. 17, fig. 6.
Carboniferous, Ettrain Formation, lat. 65°53'N, long. 136°08'W, Peel River; Ettrain Formation equivalent, lat. 64°58½'N, long. 140°54'W, Tatonduk River [ 26887 ] ; Permian, Jungle Creek Formation, lat. 65°17½'N, long. 140°14½'W, Ettrain Creek [ 26920 ] , and lat. 65°53'N, long. 136°08'W, Peel River [ 26932 ] ; and Tahkandit Formation, lat. 64°58½'N, long. 140°54'W, north bank of Peel River, 3+ miles east of Alaska boundary, Yukon.

*Warrenella* n. sp.
Fig. specs. 26644-26646
Ludvigsen, R., 1970, Bull. Can. Petrol. Geol., vol. 18, no. 3, pl. 2, figs. 23-27.
Michelle Formation, Lower Devonian, lat. 65°41'N, long. 137°01'W, south-facing ridge at northern edge of Ogilvie Mountains, approximately halfway between Hart and Blackstone Rivers, Yukon.

*Wellerella* sp.
Fig. spec. 27049
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 22, figs. 14, 15.
Permian sandstone unit, lat. 67°41'N, long. 136°19'W, Bell River, Yukon.

?*Wellerella* sp.
Fig. spec. 27033
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 21, figs. 14, 15.
Permian sandstone unit, lat. 67°47½'N, long. 136°01½'W, Rat River, northern Richardson Mountains, Yukon.

*Werneckeella hartensis* Lenz
Holotype 29064; paratypes 29054-29063, 29065-29075
Lenz, A.C., 1971, J. Pal., vol. 45, no. 5, p. 845, pl. 97, figs. 1-55.
Lower Devonian, Royal Creek section, Yukon.

*Whitfieldella nitida* (Hall)
Hypotype 27711
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. D, fig. 17.
Fossil Hill Formation, Middle Silurian, ridge section corner of lot 15, con. VIII-IX boundary, Carnarvon tp., south of Lake Mindemoya, Manitoulin Island, Ontario.

*Whitfieldella nitida* (Hall)
Hypotype 30512
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 11, fig. 2.
Thornloe Formation, Middle Silurian, quarry northeast corner lot 12, con. IV, Dymond tp., Ontario.

*Whitfieldella* sp.
Fig. specs. 29741, 29747
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 12, figs. 10, 14, 18.
Chicotte Formation, Middle Silurian, Southwest Point road, approximately 2 miles inland from The Jumpers, and Brick River road, 0.4 miles south of creek draining into Brick River from the west, Anticosti Island, Quebec.

*Wyndhamia sphenartica* Waterhouse
Holotype 23817; paratypes 23807-23816, 23831-23833
Waterhouse, J.B., 1969, J. Pal., vol. 43, no. 1, p. 31, pl. 7, figs. 1-4, 6, 8, 10, 11, 13; pl. 8, figs. 1-4, 6, 7, 10-15; text-fig. 1A.
Permian, 4 miles northwest of Cape Fortune, Cameron Island, Arctic.

*Wyndhamia unispinosa* Waterhouse
Paratypes 23819-23827, 23830
Waterhouse, J.B., 1969, J. Pal., vol. 43, no. 1, p. 34, pl. 9, figs. 2, 4-13; pl. 10, figs. 1, 3, 5, 6; text-figs. 2A-C.
Permian, Sabine Peninsula and north of Tingmisut Lake, Melville Island, and west snout of glacier between Caledonian Bay and East Cape, Ellesmere Island, Arctic.

?*Wyndhamia*

Fig. specs. 23816, 23818

Waterhouse, J.B., 1967, Nature, vol. 216, no. 5110, p. 48, figs. 2A, D.

Permian, 4 miles northwest of Cape Fortune, Cameron Island, and Sabine Peninsula, Melville Island, Arctic.

= *Wyndhamia sphenarctica,* Waterhouse, J.B., 1969, J. Pal., vol. 43, no. 1, p. 31, pl. 8, figs. 5, 8, 9 [ paratype 23816 ].

= *Wyndhamia unispinosa,* Waterhouse, J.B., 1969, ibid., p. 34, pl. 9, figs. 1, 3 [ holotype 23818 ].

*Yakovlevia* cf. *geniculata* (Girty)

Hypotype 27011

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 19, fig. 5.

Jungle Creek Formation, Permian, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Yakovlevia* sp.

Fig. specs. 26939-26942, 26951, 26978, 27039

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 14, figs. 2-5; pl. 15, fig. 1; pl. 16, fig. 7; pl. 20, fig. 6.

Permian, Jungle Creek Formation, lat. 64°58½'N, long. 140°54'W, north bank of Tatonduk River [ 26939, 26940, 26942, 26978 ]; lat. 65°23'N, long. 140°40'W, Jungle Creek [ 26951 ]; Tahkandit Formation, north bank of Tatonduk River, 3+ miles east of Alaska boundary, Yukon.

*Zaissania* sp.

Fig. specs. 26838, 26839

Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 3, figs. 12, 14.

Ettrain Formation equivalent, Carboniferous, lat. 65°53'N, long. 136°05½'W, Peel River, Yukon.

*Zygospira aequivalvis* Twenhofel

Hypotypes 29570, 29571, 29581a-d

Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 1, figs. 15, 16; pl. 2, fig. 8.

Vauréal Formation, Upper Ordovician, most northerly logging road extending east into west side of Beaver River valley [ not Pte. à l'épinette ], and base of last rise on main highway east of Oil River Bridge, Anticosti Island, Quebec.

"*Zygospira*" *jupiterensis* Twenhofel

Hypotypes 29677-29680

Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 8, figs. 15-17, 20.

Gun River Formation, Middle Silurian, Jupiter River fire tower road approximately 1 3/4 miles south of junction with road to 12-mile lodge, Anticosti Island, Quebec.

*Zygospira modesta* (Hall)
Hypotypes 27677-27679
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. B, figs. 2, 13, 14.
Georgian Bay Formation (Kagawong beds), Upper Ordovician, Highway 68 corner in Ten Mile Point area, lots 20-21, cons. XII-XIII, Sheguiandah tp., Manitoulin Island, Ontario.

*Zygospira recurvirostris* (Hall)
Hypotype 21963
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 8, fig. 11.
Middle Ordovician, Lakefield quarry, Ontario.

*Zygospiraella planoconvexa* (Hall)
Hypotype 27693
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. C, fig. 6.
Manitoulin Formation, Lower Silurian, main highway ½ mile east of Ice Lake, Manitoulin Island, Ontario.

*Zygospiraella* sp.
Fig. spec. 30442
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 5, fig. 5.
Thornloe Formation, Middle Silurian, lots 2-3, con. V, Harris tp., Ontario.

*Zygospiraella*(?) sp.
Fig. spec. 30520
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 11, fig. 10.
Thornloe Formation, Middle Silurian, Highway 65, lots 3-2, cons. III-IV, Harris tp., Ontario.

## SCAPHOPODA

*Plagioglypta* sp.
Fig. spec. 21759
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 13, fig. 17.
Pennsylvanian, Lake Minnewanka area, Alberta.

## GASTROPODA

*Archinacella kagawongensis* Foerste
Hypotype 27684
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. B, fig. 17.
Georgian Bay Formation (Kagawong beds), Upper Ordovician, Highway 68 corner in Ten Mile Point area, lots 20-21, cons. XII-XIII, Sheguiandah tp., Manitoulin Island, Ontario.

*Bellerophon (Aglaoglypta)* sp.
Fig. spec. 24865
Mitchell, S.W., 1970, Michigan Academician, vol. 2, no. 3, pl. 1, fig. 9.
Hay River Formation, Upper Devonian, talus in woods north bank of Hay River, ¼ mile southeast of Enterprise, Northwest Territories.

*Boreotrophon clathratus* (Linné)
Hypotype 22033
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 12:5.
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 2, fig. 9.
Recent, Hudson Bay, depth 62 metres, lat. 58°30'N, long. 91°57'W.

*Buccinum ciliatum* (Fabricius)
Hypotype 22032
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 12:4.
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 2, fig. 13.
Recent, Hudson Bay, depth 62 metres, lat. 58°30'N, long. 91°57'W.

*Buccinum hancocki* Mörch
Hypotype 20139
Wagner, F.J.E.,
1969, Le Naturaliste Candien, vol. 95, no. 6 (1968), pl. 2, fig. 6
1971, Geol. Surv. Can., Bull. 181 (1970), p. 31, pl. 3, fig. 4.
Pleistocene, west bank of Batiscan River, 2 miles east-southeast of Ste. Geneviéve, Quebec.

*Buccinum tenue* Gray
Hypotype 20138
Wagner, F.J.E.
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 2, fig. 18.
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, fig. 13.
1971, ibid., Bull. 181 (1970), p. 32, pl. 3, fig. 3.
Pleistocene, west bank of Batiscan River, 2 miles east-southeast of Ste. Geneviève, Quebec.

*Buccinum terrae-novae* (Mörch)
Hypotype 20137
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 2, fig. 16.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 32, pl. 3, fig. 2.
Pleistocene, ditch draining into Rivière du Cèdre, 0.3 mile southeast of Ste. Janvier-de-Joly, Quebec.
= *Buccinum cyaneum*, Wagner, F.J.E., 1970, ibid., Econ. Geol. Rept. 1, pl. 32, fig. 14.

*Buccinum tottenii* Stompson
Hypotype 21094
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 2, fig. 11.
Pleistocene, lat. 47°58.1'N, long. 69°19.9'W, Rivière du Loup-Trois Pistoles area, Quebec.

*Bucinia* sp.
Fig. spec. 21974
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 9, fig. 9.
Middle Ordovician, Lakefield quarry, Ontario.

*Clathrospira conica* Ulrich and Scofield
Hypotype 21972
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 9, fig. 3.
Middle Ordovician, Lakefield quarry, Ontario.

*Clathrospira subconica* (Hall)
Hypotypes 22362-22367
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 18, pl. 7, figs. 6, 7.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Cyclonema bellulum* Billings
Hypotype 29725, 29726
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 11, figs. 5, 6.
Jupiter Formation, Middle Silurian, Jupiter fire tower road, 3.1 miles south of junction with road to 12-mile lodge, and Rock Pool cliff, Jupiter River, approximately 6 miles above mouth, Anticosti Island, Quebec.

*Cyclonema varians* Billings
Hypotype 29739
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 12, fig. 7.
Chicotte Formation, Middle Silurian, Southwest Point road, approximately 0.6 mile inland from The Jumpers, Anticosti Island, Quebec.

*Cylichna alba* Brown
Hypotype 20143
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 2, fig. 10.
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, fig. 19.
1971, ibid., Bull. 181 (1970), p. 34, pl. 3, fig. 7.
Pleistocene, Sherbrooke and Mansfield Streets, southwest corner of McGill University grounds, Montreal, Quebec.

*Euomphalopterus (Euomphalopterus)* sp.
Fig. spec. 23601
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 18.
Fossil Hill Formation, Middle Silurian, road exposures 3/4 mile east of Snowville, northwest of Tehkummah, Manitoulin Island, Ontario.

*Euomphalopterus (Euomphalopterus)* sp.
Fig. spec. 27712
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. D, fig. 9.
Fossil Hill Formation, Middle Silurian, road exposures 3/4 mile east of Snowville, northwest of Tehkummah, Manitoulin Island, Ontario.

*Euomphalopterus* sp.
Fig. spec. 30496
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 9, figs. 20, 21.
Thornloe Formation, Middle Silurian, Macnamara quarry, lot 6, con. VI, Armstrong tp., Ontario.

*Fusispira angusta* Ulrich and Scofield
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 4, fig. 15 [ hypotype 13247 ] .

*Fusispira planulata* (Ulrich and Scofield)
Hypotype 21968
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 8, fig. 12.
Middle Ordovician, Lakefield quarry, Ontario.

Gastropod
Fig. spec. 26905
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 11, fig. 4.
Jungle Creek Formation, Permian, lat. 65°23'N, long. 140°40'W, Jungle Creek, Yukon.

*Haminoea solitaria* (Say)
Hypotype 20141
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 2, fig. 15.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 34, pl. 3, fig. 5.
Pleistocene, lot 37, con. I, Kenyon tp., Glengarry co., Ontario.

*Haminoea solitaria* (Say)
Hypotype 22034
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 12:6.
Recent, Hudson Bay, depth 165 metres, lat. 62°29.5'N, long. 87°50.5'W.

"*Helcionella*"
Fig. spec. 21368
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 2, fig. 14.
Sekwi Formation, Middle Cambrian, near June Lake, District of Mackenzie.

*Holopea* sp.
Fig. spec. 22396
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 21.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Hormotoma salteri canadensis* Ulrich and Scofield
Hypotypes 22376-22381
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 20, pl. 10, fig. 9.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Hormotoma* sp.
Fig. spec. 29646
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 6, fig. 12.
Ellis Bay Formation, Upper Ordovician, La Loutre River road, 3.8 miles south of main highway, Anticosti Island, Quebec.

*Hormotoma* sp.
Fig. spec. 30467
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 7, fig. 11.
Thornloe Formation, Middle Silurian, lots 2-3, con. V, Harris tp., Ontario.

*Lepeta caeca* Müller
Hypotype 20132
Wagner, F.J.E.
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, fig. 7.
1971, ibid., Bull. 181 (1970), p. 28, pl. 2, figs. 16a, b.
Pleistocene, 0.2 mile southeast of Highway 3, and 0.75 mile due east of Ste. Nicholas, Quebec.

*Lepeta caeca* Müller
Hypotype 22030
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, figs. 12:1, 2.
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 2, figs. 4, 5.
Recent, Hudson Bay, depth 165 metres, lat. 69°29.5'N, long. 87°50.5'W.

*Liospira helena* (Billings)
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. B, fig. 3 [ hypotype 18671 ].

*Liospira* sp.
Fig. spec. 27670
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. A, fig. 9.
Bobcaygeon Formation, Middle Ordovician, north side of old Highway 68 east of west end of lake on Great Cloche Island, Ontario.

*Lophospira acutocarinata* Twenhofel
Hypotype 29637
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 5, fig. 20.
Ellis Bay Formation, Upper Ordovician, coastal section east of Port Menier between Anse aux Navets and Cap à l'Aigle, Anticosti Island, Quebec.

*Lophospira manitoulinensis* Foerste
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. B, fig. 4 [ syntype 8501c ].

*Lophospira milleri* (Miller)
Hypotypes 22321-22340
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 14, pl. 8, figs. 6-12.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Lophospira serrulata* (Salter)
Hypotypes 22341-22355
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 16, pl. 9, figs. 1-6.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Lophospira* sp.
Fig. spec. 21975
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 9, fig. 10.
Middle Ordovician, Lakefield quarry, Ontario.

*Lophospira* sp.
Fig. spec. 29628
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 5, fig. 9.
Ellis Bay Formation, Upper Ordovician, coastal section east of Port Menier between Anse aux Navets and Cap à l'Aigle, Anticosti Island, Quebec.

*Loxoplocus (Lophospira) papillosa* (Billings)
Hypotype 29607
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 4, fig. 9.
Ellis Bay Formation, Upper Ordovician, Jupiter River road (1958), 2 to 2.2 miles south of east branch Oil River bridge, Anticosti Island, Quebec.

*Lunatia pallida* (Broderip and Sowerby)
Hypotype 20136
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 2, fig. 3.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 31, pl. 2, fig. 20.
Pleistocene, west bank of Batiscan River, 2 miles east-southeast of Ste. Geneviève, Quebec.
= *Natica pallida*, Wagner, F.J.E., 1970, ibid., Econ. Geol. Rept. 1, pl. 33, fig. 5.

*Maclurea sylpha* Billings
= *Teiichispira? sylpha*, Yochelson, E.L. and Jones, C.R., 1968, U.S. Geol. Surv., Prof. Paper 613-B, p. B12, pl. 1, figs. 1a-c [ holotype 613 ].

*Maclurites* cf. *M. magnus* Lesuerer
= *Maclurites* sp. cf. *M. magnus*, Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 5, figs. 27, 28 [ hypotypes 16883, 16884 ].

*Margarites costalis* (Gould)
Hypotype 21096
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 2, fig. 7.
Pleistocene, lat. 59°05.3'N, long. 93°05'W, Hudson Bay.

*Natica clausa* Broderip and Sowerby
Hypotype 20135
Wagner, F.J.E.,
1969, Le Naturaliste, Canadien, vol. 95, no. 6 (1968) pl. 2, fig. 14.
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 33, fig. 4
1971, ibid., Bull. 181 (1970), p. 30, pl. 2, fig. 19.
Pleistocene, west bank of Batiscan River, 2 miles east-southeast of Ste. Geneviève, Quebec.

*Naticonema* sp. cf. *N. niagarense* (Hall)
Fig. spec. 30482
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 8, figs. 16, 18.
Thornloe Formation, Middle Silurian, lot 5, con. II, Harris tp., Ontario.

*Naticonema* sp.
Fig. spec. 29735
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 12, fig. 4.
Chicotte Formation, Middle Silurian, coastal section second point west of Chicotte River, Anticosti Island, Quebec.

*Neptunea despecta tornata* (Gould)
Hypotype 20140
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 2, fig. 17
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, fig. 31.
1971, ibid., Bull. 181 (1970), p. 33, pl. 3, fig. 1.
Pleistocene, east bank of Grande Rivière du Chêne, just south of Highway 9, Quebec.

*Neptunea lyrata* (Gmelin)
Hypotype 20998
Wagner, F.J.E., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 33, fig. 13.
Pleistocene, Dashwood Cliffs, Vancouver Island, British Columbia.

*Omphalotrochus* sp.
Fig. spec. 26890
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 8, fig. 7.
Ettrain Formation equivalent, Carboniferous, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Ophileta compacta* (Slater)
Hypotype 17088
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 4, fig. 3.
Lower Ordovician, lot 4, con. 3, Oxford tp., Ontario.

*Phragmolites pannosus* (Billings)
Hypotype 29589
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 3, fig. 3.
Vauréal Formation, Upper Ordovician, main road 2.8 miles west of Vauréal River camp, Anticosti Island, Quebec.

*Phragmolites* sp.
Fig. spec. 21976
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 9, fig. 13.
Middle Ordovician, Lakefield quarry, Ontario.

*Phragmolites*? sp.
Fig. specs. 22371, 22372
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 20, pl. 10, figs. 1-3.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Platyceras (Platyceras)* sp. cf. *P. (P.) niagarense* (Hall)
Hypotype 29752
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 12, fig. 24.
Chicotte Formation, Middle Silurian, Southwest Point road, approximately 2 miles from The Jumpers, Anticosti Island, Quebec.

*Plicifusus kroyeri* (Möller)
Hypotype 21095
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 2, fig. 12.
Pleistocene, lat. 47°58.1'N, long. 69°19.9'W, Rivière du Loup-Trois Pistoles area, Quebec.

*Pterotheca attenuata* (Hall)
Hypotype 21977
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 9, fig. 14.
Middle Ordovician, Lakefield quarry, Ontario.

*Pterotheca expansa* (Emmons) *sensu* Wilson
Hypotypes 22373-22375
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 20, pl. 10, figs. 5-8.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Raphistomina fissurata* Steele and Sinclair
Holotype 22361
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 18, pl. 9, figs. 7-10.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Retusa obtusa* (Montagu)
Hypotype 20142
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 34, pl. 3, fig. 6.
Pleistocene, Rivière des Chutes, 1.5 miles east-northeast of St. Narcisse, Quebec.

*Salpingostoma*(?) sp.
Fig. spec. 29579
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 2, fig. 5.
Vauréal Formation, Upper Ordovician, most northerly logging road extending east into west side of Beaver River valley, Anticosti Island, Quebec.

*Straparolus* sp.
Fig. spec. 24861
Mitchell, S.W., 1970, Michigan Academician, vol. 2, no. 3, pl. 1, fig. 5.
Hay River Formation, Upper Devonian, north bank of Hay River, ¼ mile southeast of Enterprise, Northwest Territories.

*Straparollus (Euomphalus)* sp.
Fig. spec. 26894
Bamber, E.W. and Waterhouse, J.B., 1971, Bull. Can. Petrol. Geol., vol. 19, no. 1, pl. 10, fig. 3.
Ettrain Formation equivalent, Carboniferous, lat. 64°58½'N, long. 140°54'W, Tatonduk River, Yukon.

*Subulites (Subulites) ellisensis* Twenhofel
Hypotype 29647
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 6, fig. 13.
Ellis Bay Formation, Upper Ordovician, La Loutre River road, 3.8 miles south of main highway, Anticosti Island, Quebec.

*Subulites* cf. *regularis* Ulrich and Scofield
Hypotypes 22382, 22383
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 21, pl. 10, fig. 16.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Tachyrhynchus erosum* (Couthouy)
Hypotype 20133
Wagner, F.J.E.,
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, fig. 15.
1971, ibid., Bull. 181 (1970), p. 30, pl. 2, fig. 18.
Pleistocene, 0.2 mile southeast of Highway 3, and 0.75 mile due east of Ste. Nicholas, Quebec.

*Tachyrhynchus erosum* (Couthouy)
Hypotype 22031
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 12:3.
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 2, fig. 19.
Recent, Hudson Bay, depth 80 metres, lat. 58°08.8'N, long. 90°51.5'W.

*Tetranota bidorsata* (Hall)
Hypotype 21973
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 9, figs. 4, 5.
Middle Ordovician, Lakefield quarry, Ontario.

*Tetranota* cf. *bidorsata* (Hall)
Hypotypes 22368-22370
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 19, pl. 10, figs. 4, 15.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Trichotropis borealis* Broderip and Sowerby
Hypotype 20134
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 2, fig. 8.
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, fig. 15.
1971, ibid., Bull. 181 (1970), p. 30, pl. 2, figs. 17 a, b
Pleistocene, corner of Wiseman and Jean Talon Streets, Montreal, Quebec.

*Trichotropis cancellata* Hinds
Hypotype 21000
Wagner, F.J.E., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 33, fig. 14.
Pleistocene, NW¼ sec. 3, tp. 2, Surrey Municipality, British Columbia.

*Trochonema wilsonae* Steele and Sinclair
Holotype 22356; paratypes 22357-22360
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 17, pl. 8, figs. 1-5.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Trochus hinchmanensis* Crickmay
Plastoholotype 27739
Crickmay, C.H., 1933, Bull. Geol. Soc. Amer., vol. 44, no. 5, p. 907, pl. 26, fig. 3.
Hinchman Formation, Jurassic, 100 yards southeast of Curtice Cliff, Hinchman Ravine, California, U.S.A.

PELECYPODA

*Ambonychia* sp.
Fig. spec. 29751
Bolton, T.E., Geol. Surv. Can., Paper 71-19, pl. 12, fig. 23.
Chicotte Formation, Middle Silurian, Southwest Point road, approximately 2 miles inland from The Jumpers, Anticosti Island, Quebec.

*Amphicoelia* sp.
Fig. spec. 30546
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 13, fig. 12.
Thornloe Formation, Middle Silurian, Highway 65, lots 3-2, cons. III-IV, Harris tp., Ontario.

*Anodonta cypressensis* Russell
Holotype 22020
Russell, L.S., 1967, J. Pal., vol. 41, no. 5, p. 1119, text-fig. 5.
Cypress Hills Formation, Oligocene, l.s.d. 4, sec. 8, tp. 8, rge. 22, W. 3rd mer., Calf Creek northwest of Eastend, Saskatchewan.

*Archaedon phylarchus* Crickmay
Holotype 25690
Crickmay, C.H., 1930, Bull. Dept. Geol. Sci., Univ. Calif., vol. 19, no. 2, p. 42, pl. 2, figs. a-c.
Opuntia Formation, Jurassic, small ravine on east slope of Semlin Hill, Aschcroft, British Columbia.

*Arctomyalina vokesi* Logan
Holotype 24851; paratypes 24852-24856, 25147
Logan, A., 1970, J. Pal., vol. 44, no. 3, p. 503, pl. 88, figs. 1-7.
Nansen Formation, Pennsylvanian, north side of head of Otto Fiord, Ellesmere Island, Arctic.

*Arisaigia postornata* McLearn
McAlister, A.L., 1968, Geol. Soc. Amer., Mem. 105, p. 17, pl. 27, fig. 1 [ lectotype 5608] .

*Ashcroftia inversidentata* Crickmay
Holotype 25691; paratype 25692
Crickmay, C.H., 1930, Bull. Dept. Geol. Sci., Univ. Calif., vol. 19, no. 2, p. 43, pl. 2, figs. d, e.
Opuntia Formation, Jurassic, small ravine on east slope Semlin Hill, Ashcroft, British Columbia.

*Astarte borealis* Schumacher
Hypotype 20997
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 5, figs. 5, 6.
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 33, figs. 11, 12.
Pleistocene, Bracebridge Inlet, Bathurst Island, Northwest Territories.

*Astarte montagui striata* (Leach)
Hypotype 20151
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 3, figs. 11, 12.
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, figs. 29, 30.
1971, ibid., Bull. 181 (1970), p. 39, pl. 3, figs. 14a, b.
Pleistocene, ditch draining into Rivière du Cèdre, 0.3 mile southeast of St. Janvier-de-Joly, Quebec.

*Astarte montagui striata* (Leach)
Hypotype 22039
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 12:11.
Recent, Hudson Bay, depth 82 metres, lat. 57°07.4'N, long. 85°44.2'W.

*Astarte montagui warhami* Hancock
Hypotype 20152
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 3, figs. 9, 10.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 39, pl. 3, figs. 15a, b.
Pleistocene, corner of Wiseman and Jean Talon Streets, Montreal, Quebec.

*Astarte morion* Crickmay
Holotype 27766a; paratype 27766b
Crickmay, C.H., 1936, Bull. Geol. Soc. Amer., vol. 47, p. 559, pl. 3, figs. 1, 2.
Sundance Formation, Jurassic, Cinnabar Mountain, Montana, U.S.A.

*Astarte sonniniarum* Crickmay
Holotype 27727; paratype 27728
Crickmay, C.H., 1930, Bull. Dept. Geol. Sci., Univ. Calif., vol. 19, no. 2, p. 59, pl. 6, figs. a-c.
Opuntia Formation, Jurassic, small ravine on east end of Semlin Hill, Ashcroft, British Columbia.

*Aucellina aptiensis* var. *nassibianzi* Sokolov
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 25 figs. 11a, b [ hypotype 17319] .

*Aucellina gryphaeoides* (Sowerby)
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 25, figs. 8a, b [ hypotype 17396] .

*Aviculopecten lyelli* Dawson
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 15, fig. 4 [ hypotype 7553] .

*Axinopsida orbiculata* (Sars)
Hypotype 20154
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 4, figs. 13, 14.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 40, pl. 3, figs. 18a, b.
Pleistocene, lot 31, con. V, Cornwall tp., Stormont co., Ontario.

*Buchia* cf. *blanfordiana* (Stoliczka)
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 22, fig. 2 [ hypotype 16584 ].

*Buchia concentrica* var. *erringtoni* Gabb
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 22, figs. 7a, b [ hypotype 17012 ].

*Buchia crassicollis* (Keyserling) f. typ.
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 23, figs. 4a-c [ hypotype 16659 ].

*Buchia fischeriana* (d'Orbigny)
= *Buchia fischeri*, Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 22, figs. 3a, b [ hypotype 17991 ].

*Buchia inflata* var. *crassa* (Pavlow)
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 23, figs. 2a-c [ hypotype 17333 ].

*Buchia keyserlingi* (Lahusen) f. typ.
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 23, figs. 11a-c [ hypotype 17163 ].

*Buchia mosquensis* (von Buch) s. lato
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 22, figs. 5 [ hypotype 17990 ], 6 [ 17989 ].

*Buchia okensis* (Pavlow)
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 23, figs. 13a-c [ hypotype 17122 ].

*Buchia piochii* var. *mniovnikensis* (Pavlow)
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 22, fig. 4 [ hypotype 17120 ].

*Buchia tolmatschowi* (Sokolov) f. typ.
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 23, figs. 3a-d [ hypotype 16623 ].

*Buchia uncitoides* var. *acutistriata* (Crickmay)
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 23, figs. 9a-c [ hypotype 16603 ].

*Buchia volgensis* (Lahusen) var.
= *Buchia volgensis* (Lahusen) s. str., Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 23, figs. 5a, b [ hypotype 16601 ].

*Byssonychia anticostiana* Twenhofel

Hypotypes 29577, 29616

Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 2, fig. 3; pl. 4, fig. 21.

Vauréal and Ellis Bay Formations, Upper Ordovician, most northerly logging road extending east into west side of Beaver River valley, and creek section east of main highway opposite airport, Anticosti Island, Quebec.

*Byssonychia grandis* Ulrich

Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 4, fig. 24 [ hypotype 2120] .

*Calyptogena gibbera* Crickmay

Holotype 27768

Crickmay, C.H., 1929, Can. Field-Naturalist, vol. 43, no. 5, p. 93, fig. 1.

Santa Barbara Formation, Pliocene, Deadman's Island, west side near south end, near Port of San Pedro, California, U.S.A.

*Cassianella lingulata* Gabb

Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 18, figs. 19a, b [ hypotype 14249] .

*Chlamys hindsi* (Carpenter)

Hypotype 21002

Wagner, F.J.E., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 33, figs. 9, 10.

Pleistocene, Point Roberts, British Columbia.

*Chlamys islandicum* (Müller)

Hypotype 22043

Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 12: 15.

Recent, Hudson Bay, depth 48 metres, lat. 59°05.3'N, long. 93°05'W.

*Chalmys paideios* Crickmay

Holotype 27717; paratype 27718

Crickmay, C.H., 1930, Bull. Dept. Geol. Sci., Univ. Calif., vol. 19, no. 2, p. 54, pl. 4, figs. c, d.

Ntlakapamux Formation, Jurassic, small ravine on west slope of Rattlesnake Hill, 3 3/8 miles N38° E of Ashcroft Bridge, British Columbia.

*Claraia clarai* (Emmrich)

Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 16, fig. 4 [ hypotype 14196] .

*Claraia stachei* Bittner

Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 16, fig. 5 [ hypotype 14228] .

*Claraia stachei* Bittner

Hypotype 22737

Tozer, E.T., 1961, Geol. Surv. Can., Mem. 316, p. 97, pl. 28, fig. 1.

Wordie Creek Formation, Triassic, East Greenland.

*Cleionychia naba* Steele and Sinclair

Holotype 22313

Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 12, pl. 5, figs. 6-9.

Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Clinocardium ciliatum* (Fabricius)

Hypotype 22055

Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 13:12.

Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 3, figs. 15, 16.

Recent, Hudson Bay, depth 165 metres, lat. $62^{o}29.5'$N, long. $87^{o}50.5'$W.

*Clinocardium nuttalli* (Conrad)

Hypotype 21003

Wagner, F.J.E., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 33, fig. 17.

Pleistocene, Point Roberts, British Columbia.

*Conocardium blumenbachii* Billings

= *Euchasma blumenbachii*, Pojeta, J., Jr., 1971, U.S. Geol. Surv., Prof. Paper 695, pl. 20, figs. 6-11 [ syntypes 455, a ].

*Corbula munda* McLearn

Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 20, fig. 14 [ holotype 6092 ].

*Crassostrea virginica* (Gmelin)

Hypotype 20150

Wagner, F.J.E.,

1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 4, figs. 17, 18.

1971, Geol. Surv. Can., Bull. 181 (1970), p. 38, pl. 3, figs. 16a, b.

Pleistocene, Westbury Street near Mackenzie, Montreal, Quebec.

*Ctenodonta contracta* Salter

= *Tancrediopsis contracta*, McAlester, A.L., 1968, Geol. Soc. Amer., Mem. 105, p. 55, pl. 2, figs. 4-12; pl. 3, figs. 1-13 [ lectotype 1171b; paratypes 1171a, c-n ].

*Ctenodonta levata* (Hall)

Hypotype 21969

Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 9, figs. 1, 2.

Middle Ordovician, Lakefield quarry, Ontario.

*Ctenodonta nasuta* (Hall) *sensu* Salter
Hypotypes 22316-22318
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 13, pl. 6, figs. 1, 2.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Ctenodonta* sp. *C. nasuta* (Hall)
Hypotype 21970
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 9, figs. 7, 8.
Middle Ordovician, Lakefield quarry, Ontario.

*Ctenodonta* sp.
Fig. spec. 21971
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 9, figs. 11, 12.
Middle Ordovician, Lakefield quarry, Ontario.

*Ctenodonta* sp.
Fig. spec. 24602
Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 33, pl. 6, fig. 23.
Vauréal Formation, Upper Ordovician, depth 1,135 feet, Lowlands Gamache Carleton Point No. 1 well, top of escarpment immediately west of mouth of Potatoe River, Anticosti Island, Quebec.

*Cuneamya* sp.
Fig. spec. 29696
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 9, fig. 5.
Jupiter Formation, Middle Silurian, eastern end of Cape Ottawa, Anticosti Island, Quebec.

*Cyrtodonta grattanensis* Wilson
Hypotypes 22252-22285, 22314, 22315
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 6, pls. 1-3; pl. 6, figs. 6, 7; pl. 7, figs. 1, 2.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Cyrtodontula ottawana* Steele and Sinclair
Holotype 22312
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 11, pl. 6, figs. 3-5.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Cyrtodontula sigmoidea* (Billings)
Hypotype 29572
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 1, fig. 18.
Vauréal Formation, Upper Ordovician, coastal section east of Potatoe River, Anticosti Island, Quebec.

*Cyrtodontula* sp.
Fig. spec. 29567
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 1, fig. 11.
Vauréal Formation, Upper Ordovician, most northerly logging road extending east into west side of Beaver River valley, Anticosti Island, Quebec.

*Cyrtorostra arctica* Logan
Holotype 25198; paratypes 25199-25201
Logan, A., 1970, J. Pal., vol. 44, no. 5, p. 869, pl. 122, figs. 1a-4c.
Assistance Formation, Permian, west bank Lyall River approximately 3 miles from mouth, Grinnell Peninsula, West Devon Island, and north of Tingmisut Lake [ 25199 ], Sabine Peninsula, Melville Island, Arctic.

*Daonella elegans* McLearn
Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 17, fig. 19 [ holotype 9537 ].

*Daonella frami* Kittl
Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 17, fig. 7 [ topotype 14205 ].

*Daonella nitanae* McLearn
Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 17, fig. 13 [ holotype 8773 ].

*Entolium balteatum* Crickmay
Holotype 25684; paratype 25685
Crickmay, C.H., 1928, Bull. Dept. Geol. Sci., Univ. Calif., vol. 18, no. 2, p. 62, pl. 4, figs. e-g.
Harbledown Formation, Jurassic, point of land projecting from northeast corner of Parson Bay, British Columbia.

*Entolium semlini* Crickmay
Holotype 27719
Crickmay, C.H., 1930, Bull. Dept. Geol. Sci., Univ. Calif., vol. 19, no. 2, p. 56, pl. 4, fig. e.
Ntlakapamux Formation, Jurassic, small ravine on west slope of Rattlesnake Hill, 3 3/8 rules N38° E of Ashcroft Bridge, British Columbia.

*Eopteria richardsoni* Billings
Pojeta, J., Jr., 1971, U.S. Geol. Surv., Prof. Paper 695, pl. 19, figs. 1-3 [ holotype 756 ].

*Gervillia ashcroftensis* Crickmay
Holotype 25697
Crickmay, C.H., 1930, Bull. Dept. Geol. Sci., Univ. Calif., vol. 19, no. 2, p. 48, pl. 3, figs. a-c.
Opuntia Formation, Jurassic, small ravine on east slope of Semlin Hills, Ashcroft, British Columbia.

*Gervillia dolabrata* Crickmay
Syntypes 27758
Crickmay, C.H., 1936, Bull. Geol. Soc. Amer., vol. 47, p. 556, pl. 2, fig. 6.
Ellis Formation, Jurassic, west side of lower canyon of Yellowstone River, Wyoming, U.S.A.

*Gilbertwhitea micromorpha* Crickmay
Holotype 25693
Crickmay, C.H., 1930, Bull. Dept. Geol. Sci., Univ. Calif., vol. 19, no. 2, p. 46, pl. 3, figs. e, f.
Opuntia Formation, Jurassic, small ravine on east slope Semlin Hill, Ashcroft, British Columbia.

*Grammatodon semiornatus* Crickmay
Holotype 25694
Crickmay, C.H., 1930, Bull. Dept. Geol. Sci., Univ. Calif., vol. 19, no. 2, p. 46, pl. 3, fig. g.
Opuntia Formation, Jurassic, small ravine on east slope Semlin Hill, Ashcroft, British Columbia.

*Grammatodon sonninianus* Crickmay
Holotype 25695
Crickmay, C.H., 1930, Bull. Dept. Geol. Sci., Univ. Calif., vol. 19, no. 2, p. 47, pl. 3, figs. h, i.
Opuntia Formation, Jurassic, small ravine on east slope Semlin Hill, Ashcroft, British Columbia.

*Grammysia obliqua* (McCoy)
Hypotypes 26453-26460, 27196-27201
Bambach, R.K., 1971, Lethaia, vol. 4, no. 2, figs. 1D-G, 2A-D, 3A-E, 4A-F, 5A, B, 6A-D, 10A-D.
Stonehouse Formation, Upper Silurian, coastal section about 2½ miles west-southwest of Arisaig, Nova Scotia.

*Gresslya* cf. *G. rotundata* (Phillips)
Hypotypes 23836, 23837
Frebold, H., 1969, Proc. Geol. Assoc. Can., vol. 20, p. 85, pl. 1, figs. 8, 9.
Lower Jurassic, oil well road 14 miles south of Fernie, Lodgepole area, British Columbia.

*Gryphaea chakii* McLearn
Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 18, fig. 12 [holotype 8770].

*Gryphaea minutla* Crickmay
Holotype 25698a; paratype 25698b
Crickmay, C.H., 1930, Bull. Dept. Geol. Sci., Univ. Calif., vol. 19, no. 2, p. 49, pl. 6, figs. i-k.
Ntlakapamux Formation, Jurassic, small ravine near bottom of west slope of Rattlesnake Hill, 3 3/8 miles N38° E of Ashcroft Bridge, British Columbia.

*Gryphaea patera* Crickmay
Holotype 25699
Crickmay, C.H., 1930, Bull. Dept. Geol. Sci., Univ. Calif., vol. 19, no. 2, p. 51, pl. 4, figs. a, b.
Opuntia Formation, Jurassic, ravine on east end of Semlin Hill, Ashcroft, British Columbia.

*Halobia zitteli* Lindstrom
Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 18, fig. 3 [ hypotype 14208 ].

*Hiatella arctica* (Linné)
Hypotype 20164
Wagner, F.J.E.,
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, figs. 2, 3.
1971, ibid., Bull. 181 (1970), p. 44, pl. 5, figs. 5a, b.
Pleistocene, 1 mile south-southeast of Chevalier, on west side of road to Beauport, Quebec.

*Hiatella arctica* (Linné)
Hypotype 22046
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 13: 2.
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 65, no. 6 (1968), pl. 3, figs. 5, 6.
Recent, Hudson Bay, depth 48 metres, lat. 59°05.3'N, long. 93°05'W.

*Hoernesia? woyaniana* McLearn
= *Hoernesia woyaniana*, Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 17, fig. 17 [ holotype 8768 ].

*Homomya jurozephyriensis* Crickmay
Holotype 27726
Crickmay, C.H., 1930, Bull. Geol. Sci., Univ. Calif., vol. 19, no. 2, p. 58, pl. 6, figs. g, h.
Ntlakapamux Formation, Jurassic, small ravine on west slope of Rattlesnake Hill, Ashcroft, British Columbia.

*Honeymania planimarginata* McLearn
McAlester, A.L., 1968, Geol. Soc. Amer., Mem. 105, p. 32, pl. 10, figs. 6-8 [ lectotype 5604 ], 9 [ paratype 5605 ].

*Inoceramus colonicus* Anderson
Hypotype 21822
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 24, figs. 2a-d.
Lower Cretaceous, south shore Salmon Island, Quatsino Sound, British Columbia.

*Inoceramus corpulentus* McLearn
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 27, fig. 5 [ paratype 6109 ].

*Inoceramus coulthardi* McLearn
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 27, figs. 2a, b [ holotype 6104 ].

*Inoceramus elegans* Sokolov
Hypotype 21833
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 28, figs. 5a-c.
Haida Formation, Upper Cretaceous, middle of Smith Island, Skidegate Inlet, Queen Charlotte Islands, British Columbia.

*Inoceramus labiatus* (Schlotheim)
Hypotype 21841
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 26, fig. 6.
Blackstone Formation, Upper Cretaceous, north of Leyland station, Alberta.

*Inoceramus* cf. *I. labiatus* var. *latus* Mantell
Hypotype 22796
Sinha, R.N., 1970, Geol. Surv. Can., Paper 68-30, p. 6, pl. 3, fig. 8.
Cardium Formation, Upper Cretaceous, depth 6,404 feet, HB Triad Edison well 58, l.s.d. 6, sec. 21, tp. 52, rge. 17, W.5th mer., Alberta.

*Inoceramus lamarcki* Parkinson
Hypotype 21836
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 26, figs. 1a-c.
Upper Cretaceous, Bighorn River at Vimy trail crossing, Alberta.

*Inoceramus lucifer* Eichwald
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 22, fig. 11 [ hypotype 13417 ].

*Inoceramus nahwisi* var. *goodrichensis* McLearn
= *Posidonia nahwisi* var. *goodrichensis*, Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 25, fig. 15 [ holotype 8943 ].

*Inoceramus naumanni* Yokoyamo
Hypotype 21832
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 28, figs. 2a, b.
Upper Cretaceous, lat. 49°35'25"N, long. 124°59'30"W, British Columbia.

*Inoceramus patootensis* de Loriol
Hypotype 21847
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 27, fig. 3.
Upper Cretaceous, Mason Creek 3 miles above mouth, Alberta.

*Inoceramus* cf. *sachalinensis* Sokolov
Hypotype 21834
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 28, figs. 9a-c.
Nanaimo Group, Upper Cretaceous, North West Bay, Vancouver Island, British Columbia.

*Inoceramus schmidti* Michael s. str.
Hypotype 5832
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 28, figs. 1a, b.
Upper Cretaceous, extension tunnel near Nanaimo, British Columbia.

*Inoceramus steenstrupi* de Loriol
Hypotype 21851
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 27, fig. 8.
Upper Cretaceous, talus along Liard River at Ee-haa hill, Northwest Territories.

*Lima albertensis* McLearn
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 20, fig. 13 [ holotype 6075 ].

*Lima*? *poyana* McLearn
= *Mysidioptera poyana*, Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 18, fig. 2 [ holotype 8772 ].

*Lima (Plagiostoma?)* sp.
Fig. spec. 24042
Frebold, H. and Tipper, H.W., 1969, Geol. Surv. Can., Paper 69-23, pl. 1, fig. 5.
Early Jurassic, in Venables Creek ravine near 89 mile post, Cariboo Road between Spatsum and Spences Bridge, British Columbia.

*Lyonsia arenosa* (Möller)
Hypotype 20165
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 4, figs. 9, 10.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 44, pl. 5, figs. 3a, b.
Pleistocene, on west bank of Batiscan River, 2 miles east-southeast of Ste. Geneviève, Quebec.

*Lyonsia arenosa* (Möller)
Hypotype 22048
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 13: 4.
Recent, Hudson Bay, depth 106 metres, lat. 58°29.5'N, long. 88°58'W.

*Lyonsia hyalina* (Conrad)
Hypotype 20166
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 4, figs. 11, 12.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 45, pl. 5, figs. 4a, b.
Pleistocene, east bank of Grande Rivière du Chêne, just south of Highway 9, Quebec.

*Macoma balthica* (Linné)
Hypotype 20157
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 3, figs. 13, 14.
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, figs. 27, 28.
1971, ibid., Bull. 181 (1970), p. 41, pl. 4, figs. 3a, b.
Pleistocene, pit about 2 miles northwest of St. Joseph-du-Lac, Quebec.

*Macoma balthica* (Linné)
Hypotype 20159
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 41, pl. 4, figs. 4a, b.
Pleistocene, Wilson Avenue, 100 feet north of Notre Dame de Grace, Montreal, Quebec.

*Macoma balthica* (Linné)
Hypotype 22047
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 13:3.
Recent, Hudson Bay, depth 80 metres, lat. 55°08.8'N, long. 90°51.5'W.

*Macoma calcarea* (Gmelin)
Hypotype 20158
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 3, figs. 25, 26.
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, fig. 5.
1971, ibid., Bull. 181 (1970), p. 42, pl. 4, figs. 5a, b.
Pleistocene, slide scar 1 mile northeast of St. Maurice, Quebec.

*Macoma calcarea* (Gmelin)
Hypotype 22050
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 13:6.
Recent, Hudson Bay, depth 165 metres, lat. 62°29.5'N, long. 87°50.5'W.

*Macoma incongrua* (Martens)
Hypotype 21006
Wagner, F.J.E., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 33, figs. 2, 3.
Pleistocene, NW ¼ sec. 3, tp. 2, Surrey municipality, British Columbia.

*Matheria tener* Billings
Pojeta, J., Jr., 1971, U.S. Geol. Surv., Prof. Paper 695, pl. 16, figs. 7-9, [ syntype 1670].

*Meleagrinella antiqua* Tozer

Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 18, fig. 11 [ paratype 14212 ] .

*Modiolopsis* sp.

Fig. specs. 29575, 29576

Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 2, figs. 2, 6.

Vauréal Formation, Upper Ordovician, 2.5 miles north of main highway on a northward-extending logging road west of creek draining into bay east of Beaver Cove, and logging road 0.6 mile west of Beaver River bridge, Anticosti Island, Quebec.

*Modiolus ahsisi* McLearn

Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 17, fig. 18 [ holotype 8767 ] .

*Modiolus sphenoproratus* Crickmay

Holotype 27720

Crickmay, C.H., 1930, Bull. Dept. Geol. Sci., Univ. Calif., vol. 19, no. 2, p. 56, pl. 7, fig. b.

Opuntia Formation, Jurassic, small ravine on east end of Semlin Hill, Ashcroft, British Columbia.

*Modiolus* (s. lato) sp. indet.

Fig. spec. 22795

Sinha, R.N., 1970, Geol. Surv. Can., Paper 68-30, p. 6, pl. 3, fig. 6.

Cardium Formation, Upper Cretaceous, depth 6,359 feet, HB Triad Edson well 58, l.s.d. 6, sec. 21, tp. 52, rge. 17, W. 5th mer., Alberta.

*Monotis ovalis* Whiteaves

= *"Pseudomonotis" occidentalis*, Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 16, fig. 17 [ hypotype 4728 ] .

*Monotis subcircularis* Gabb

Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 18, fig. 20 [ hypotype 14265 ] .

*Musculus niger* (Gray)

Hypotype 22044

Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 12:16.

Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 4, fig. 22.

Recent, Hudson Bay, depth 201-220 metres, lat. 59°34'N, long. 86°35'W.

*Mya arenaria* Linné

Hypotype 20160

Wagner, F.J.E.,

1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 3, figs. 20-22.

1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, fig. 9.

Pleistocene, north side of Highway 36, 0.4 mile east of railway crossing in St. Rémi, Quebec.

= *Mya (Arenomya) arenaria*, Wagner, F.J.E., 1971, ibid., Bull. 181 (1970), p. 42, pl. 4, figs. 7a-c.

*Mya pseudoarenaria* Schlesch
Hypotypes 20163, a
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 4, figs. 19-21.
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, fig. 26 [ 20163a ].
Pleistocene, ditch draining into Rivière du Cèdre, 0.3 mile southeast of St. Janvier-de-Joly, Quebec.
= *Mya (Mya) pseudoarenaria,* Wagner, F.J.E., 1971, ibid., Bull. 181 (1970), p. 44, pl. 5, figs. 2a-c.

*Mya truncata* Linné
Hypotype 20161
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 3, figs. 18, 19.
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, fig. 8.
Pleistocene, east bank of Grande Rivière du Chêne, just south of Highway 9, Quebec.
= *Mya (Mya) truncata,* Wagner, F.J.E., 1971, ibid., Bull. 181 (1970), p. 43, pl. 4, figs. 6a, b.

*Mya truncata* Linné
Hypotype 22054
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 13:11.
Recent, Hudson Bay, depth 48 metres, lat. 59°05.3'N, long. 93°05'W.

*Mya (Mya) truncata uddevallensis* Forbes
Hypotype 20162
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 43, pl. 5, figs. 1a, b.
Pleistocene, corner of Masson and D'Iberville Streets, Montreal, Quebec.

*Mya truncata uddevallensis* Forbes
Hypotype 21097
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 3, figs. 1, 2.
Pleistocene, lat. 58°45'N, long. 85°22'W, Hudson Bay.

*"Myophoria" suttonensis* Clapp and Shimer
Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 18, figs. 16a, b [ hypotype 14256 ].

*Mysella planulata* (Stimpson)
Hypotype 20155
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 4, figs. 5, 6.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 40, pl. 4, figs. 1a, b.
Pleistocene, 1.5 miles due north of Ancienne Lorette, Quebec.

*Mytilarca nitida* (Billings)
Hypotype 29703
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 9, fig. 14.
Jupiter Formation, Middle Silurian, eastern end of Cape Ottawa, Anticosti Island, Quebec.

*Mytilus edulis* Linné
Hypotype 20149
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 4, figs. 3, 4.
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, fig. 6.
1971, ibid., Bull. 181 (1970), p. 37, pl. 3, figs. 13a, b.
Pleistocene, pit about 2 miles northwest of St. Joseph-du-Lac, Quebec.

*Nucula bellotii* Adams
Hypotype 22035
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 12:7.
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 4, figs. 1, 2.
Recent, Hudson Bay, depth 165 metres, lat. 62°29.5'N, long. 87°50.5'W.

*Nucula hornbyensis* Whiteaves
Syntypes 5876, a
Whiteaves, J.F., 1895, Trans. Roy. Soc. Can., ser. 2, vol. 1, sec. 4, p. 122, pl. 3, fig. 2 [ 5876a ].
Cretaceous, Hornby Island, Strait of Georgia, British Columbia.

*Nucula hornbyensis* Whiteaves
Hypotype 5876d
Whiteaves, J.F., 1903, Geol. Surv. Can., Mesoz. Fossils, vol. 1, pt. 5, p. 388, pl. 46, fig. 4.
Cretaceous, Hornby Island, Strait of Georgia, British Columbia.

*Nucula tenuis* (Montagu)
Hypotype 20144
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 3, figs. 3, 4.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 35, pl. 3, figs. 8a, b.
Pleistocene, west bank of Lachevrotiére River, 0.25 mile from St. Lawrence River, Quebec.

*Nuculana fossa* (Baird)
Hypotype 21001
Wagner, F.J.E., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 33, fig. 16.
Pleistocene, ditch across Arrowsmith No. 1 farm, west of Qualicum, Vancouver Island, British Columbia.

*Nuculana minuta* (Fabricius)
Hypotype 20999
Wagner, F.J.E., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 33, fig. 15.
Pleistocene, Semiahmoo Road, NW¼ sec. 11, tp. 40N, rge. 1W, Whatcom co., Washington, U.S.A.

*Nuculana minuta* (Fabricius)
Hypotype 22037
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 12:9.
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 3, fig. 17.
Recent, Hudson Bay, depth 103 metres, lat. 60°32.5'N, long. 81°41'N.

*Nuculana pernula* (Müller)
Hypotype 20145
Wagner, F.J.E.,
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, figs. 23, 24.
1971, ibid., Bull. 181 (1970), p. 36, pl. 3, figs. 9a, b.
Pleistocene, west bank of Batiscan River, 2 miles east-southeast of Ste. Geneviève, Quebec.

*Nuculana pernula* (Müller)
Hypotype 22036
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 12:8.
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 3, figs. 23, 24.
Recent, Hudson Bay, depth 106 metres, lat. 58°29.5'N, long. 88°58'W.

*Nuculana tenuisulcata* (Couthouy)
Hypotype 20146
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 5, figs. 7, 8.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 36, pl. 3, figs. 10a, b.
Pleistocene, on west bank of Batiscan River, 2 miles east-southeast of Ste. Geneviève, Quebec.

*Nuculana tenuisulcata* (Couthouy)
Hypotype 22042
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 12:14.
Recent, Hudson Bay, depth 62 metres, lat. 58°30'N, long. 91°57'W.

*Ortonella stewarti* Foerste
Hypotype 27687
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. B, fig. 16.
Georgian Bay Formation (Kagawong beds), Upper Ordovician, Highway 68 corner in Ten Mile Point area, lots 20-21, cons. XII-XIII, Sheguiandah tp., Manitoulin Island, Ontario.

*Ostrea ammonitides* Crickmay
Hypotypes 25595, 25596
Crickmay, C.H., 1964, Bull. Can. Petrol. Geol., vol. 12, p. 157, pl. 1, figs. 5-7.
Jurassic, Pacific Fort St. John No. 8 well, at 3,822 feet, l.s.d. 13, sec. 34, tp. 83, rge. 18, W. 6th mer., British Columbia.

*Ostrea nigrimontana* Crickmay
Holotype 27759; paratype 27760
Crickmay, C.H., 1936, Bull. Geol. Soc. Amer., vol. 47, p. 556, pl. 3, figs. 6, 7.
Jurassic, 2½ miles northwest of Sturgis, South Dakota, U.S.A.

*Oxytoma blairemorensis* McLearn
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 22, fig. 9 [ holotype 6050 ].

*Oxytoma inequivalve* (Sowerby)
Hypotype 23838
Frebold, H., 1969, Proc. Geol. Assoc. Can., vol. 20, p. 86, pl. 1, fig. 10.
Lower Jurassic, oil well road 14 miles south of Fernie, Lodgepole area, British Columbia.

*Oxytoma jacksoni* (Pompeckj)
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 21, fig. 3 [ hypotype 13390 ].

*Palaeoneilo* sp. cf. *P. constricta* (Conrad)
Hypotype 24859
Mitchell, S.W., 1970, Michigan Academician, vol. 2, no. 3, pl. 1, fig. 2.
Hay River Formation, Upper Devonian, north bank of Hay River at Louise Falls, 3½ miles southwest of Enterprise, Northwest Territories.

*Pandora glacialis* Leach
Hypotype 22049
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 13:5.
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 5, figs. 1, 2.
Recent, Hudson Bay, depth 80 metres, lat. 58°08.8'N, long. 91°51.5'W.

*Parapecten praecursor* Crickmay
Holotype 27737; paratype 27738
Crickmay, C.H., 1933, Bull. Geol. Soc. Amer., vol. 44, no. 5, p. 905, pl. 25, figs. 4-6.
Lilac Formation, Jurassic, southwest slope of Mount Jura, California, U.S.A.

Pelecypod undetermined
Fig. spec. 30472
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 8, fig. 4.
Thornloe Formation, Middle Silurian, Dawson Point, Lake Timiskaming, Ontario.

*Periploma fragilis* Totten
Hypotype 22045
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 13:1.
Recent, Hudson Bay, depth 181 metres, lat. 61°09.2'N, long. 88°11.5'W.

*Pinna amblyrhyncha* Crickmay
Holotype 25696
Crickmay, C.H., 1930, Bull. Dept. Geol. Sci., Univ. Calif., vol. 19, no. 2, p. 47, pl. 7, fig. a.
Opuntia Formation, Jurassic, small ravine on east slope of Semlin Hill, Ashcroft, British Columbia.

*Pleurobema dyeri* Russell
Holotype 22019
Russell, L.S., 1967, J. Pal., vol. 41, no. 5, p. 1118, text-fig. 4.
Willow Creek Formation, Paleocene, NW¼ sec. 36, tp. 10, rge. 27, W. 4th mer., on Willow Creek, Alberta.

*Pleuromya autolycus* Crickmay
Holotype 27762; paratypes 27763, 27764
Crickmay, C.H., 1936, Bull. Geol. Soc. Amer., vol. 47, p. 558, pl. 1, figs. 1, 4 [ 27762 ], 2 [ 27763 ]; pl. 2, figs. 1, 7 [ 27762 ], 2 [ 27764 ].
Sundance Formation, Jurassic, Cinnabar Mountain, Montana, U.S.A.

*Pleuromya chlutosensis* Crickmay
Holotype 27724; paratype 27725
Crickmay, C.H., 1930, Bull. Dept. Geol. Sci., Univ. Calif., vol. 19, no. 2, p. 58, pl. 4, figs. f, g.
Opuntia Formation, Jurassic, small ravine on east end of Semlin Hill, Ashcroft, British Columbia.

*Pleuromya hectica* Crickmay
Holotype 27761
Crickmay, C.H., 1936, Bull. Geol. Soc., Amer., vol. 47, p. 557, pl. 1, fig. 5; pl. 3, fig. 5.
Sundance Formation, Jurassic, Devils Slide, Cinnabar Mountain, Montana, U.S.A.

*Pleuromya postculminats* McLearn
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 22, fig. 8 [ holotype 6089 ].

*Pleuromya rhynchophora* Crickmay
Holotype 27722; paratype 27723
Crickmay, C.H., 1930, Bull. Dept. Geol. Sci., Univ. Calif., vol. 19, no. 2, p. 57, pl. 5, figs. c-e.
Opuntia Formation, Jurassic, small ravine on northwest end of Rattlesnake Hill, Ashcroft, British Columbia.

*Pleuromya scutalisensis* Crickmay
Holotype 27721
Crickmay, C.H., 1930, Bull. Dept. Geol. Sci., Univ. Calif., vol. 19, no. 2, p. 57, pl. 4, figs. h, i.
Opuntia Formation, Jurassic, small ravine on east end of Samlin Hill, Ashcroft, British Columbia.

*Pleuromya* sp. ex. aff. *P. liasina* (Schübler)
Hypotypes 23834, 23835
Frebold, H., 1969, Proc. Geol. Assoc. Can., vol. 20, p. 85, pl. 1, figs. 6, 7.
Lower Jurassic, oil well road 14 miles south of Fernie, Lodgepole area, British Columbia.

*Portlandia arctica* (Gray)
Hypotypes 20147, 20148
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 3, figs. 7, 8.
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, figs. 21, 22.
1971, ibid., Bull. 181 (1970), p. 36, pl. 3, figs. 11, 12.
Pleistocene, west bank of Batiscan River, 2 miles east-southeast of Ste. Geneviève, Quebec.

*Portlandia arctica* (Gray)
Hypotype 22038
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 12:10.
Recent, Hudson Bay, depth 126 metres, lat. 59°36.4'N, long. 83°59.5'W.

*Portlandia lenticula* (Möller)
Hypotype 22040
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 12:12.
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 5, figs. 3, 4.
Recent, Hudson Bay, depth 156 metres, lat. 59°49.5'N, long. 80°27.5'W.

*Posidonia aranea* Tozer
Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 16, fig. 18 [hypotype 14230].

*Posidonia mimer* Oeberg
Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 16, fig. 9 [hypotype 14201].

*Proparreysia mclearni* (Dyer)
Hypotype 22017
Russell, L.S., 1967, J. Pal., vol. 41, no. 5, p. 1117, text-fig. 2.
Foremost Formation, Upper Cretaceous, l.s.d. 8, sec. 18, tp. 2, rge. 18, W. 4th mer., south branch of Milk River, Alberta.

*Proparreysia? silberlingi* Russell
Holotype 22018
Russell, L.S., 1967, J. Pal., vol. 41, no. 5, p. 1118, text-fig. 3.
Judith River Formation, Upper Cretaceous, sec. 8, tp. 6N, rge. 18E, Wheatland co., Montana, U.S.A.

*Protothaca staminea* (Conrad)
Hypotype 21004
Wagner, F.J.E., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 33, figs. 7, 8.
Pleistocene, Redondo Beach, California, U.S.A.

*Pseudamussium binominatus* Hanna
Hypotype 22041
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 12:13.
Recent, Hudson Bay, depth 119 metres, lat. 58°29.5'N, long. 85°52.2'W.

*Pseudomonotis ovalis* var. *kindli* McLearn
= *"Pseudomonotis" occidentalis kindlei*, Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 16, fig. 16 [ holotype 9478; paratype 9598 ].

*Pterinea* sp.
Fig. specs. 30403, 30404
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 1, figs. 9. 10.
Wabi Formation, Middle Silurian, at bridge and first curve downriver from bridge over Evanturel Creek, south of Englehart, Ontario.

*Saxidomus giganteus* (Deshayes)
Hypotype 21005
Wagner, F.J.E., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 33, fig. 1.
Pleistocene, Tsawassen Indian Reserve, Point Roberts, British Columbia.

*Scaphogonia argo* Crickmay
Holotype 27714
Crickmay, C.H., 1930, Bull. Dept. Geol. Sci., Univ. Calif., vol. 19, no. 2, p. 52, pl. 5, figs. a, b.
Opuntia Formation, Jurassic, small ravine on east end of Semlin Hill, Ashcroft, British Columbia.

*Serripes groenlandicus* (Bruguière)
Hypotype 20156
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 14, figs. 7, 8.
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, fig. 1.
1971, ibid., Bull. 181 (1970), p. 41, pl. 4, figs. 2a, b.
Pleistocene, east bank of Grande Rivière du Chêne, just south of Highway 9, Quebec.

*Tancrediopsis "abrupta"* (Billings)
Hypotype 22320
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 14, pl. 5, fig. 10.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Tancrediopsis contracta* (Salter)
Hypotype 22319
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 14, pl. 5, fig. 11.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Thracia myopsis* (Möller)
Hypotype 9891
Pelletier, B.R., Wagner, F.J.E., and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 13:13.
Recent, Hudson Bay, depth 48 metres, lat. 59°05.3'N, long. 93°05'W.

*Thyasira becca becca* Kauffman
Paratypes 18760, 18762
Kauffman, E.G., 1967, Smithsonian Misc. Coll., vol. 152, no. 1, p. 126, pl. 4, figs. 10, 11.
Riding Mountain Formation, Upper Cretaceous, Assiniboine River above Qu'Appelle River, and right bank 1 mile south of Millwood, Manitoba.

*Thyasira becca cobbani* Kauffman
Holotype 18758
Kauffman, E.G., 1967, Smithsonian Misc. Coll., vol. 152, no. 1, p. 132, pl. 1, fig. 28; text-fig. 13.
Riding Mountain Formation, Upper Cretaceous, Assiniboine River above Qu'Appelle River, Manitoba.

*Thyasira gouldi* (Philippi)
Hypotype 20153
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 4, figs. 15, 16.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 40, pl. 3, figs. 17a, b.
Pleistocene, Grande Rivière du Chêne, opposite mouth of Rivière Bois-Clair, Quebec.

*Thyasira quadrula arrecta* Kauffman
Paratype 18761
Kauffman, E.G., 1967, Smithsonian Misc. Coll., vol. 152, no. 1, p. 98, pl. 5, figs. 23, 24.
Concretion from Riding Mountain Formation, Upper Cretaceous, right bank Assiniboine River, 1 mile south of Millwood, Manitoba.

*Thyasira rostrata rostrata* Kauffman
Holotype 18757; paratype 18759
Kauffman, E.G., 1967, Smithsonian Misc. Coll., vol. 152, no. 1, p. 79, pl. 1, fig. 17; pl. 2, fig. 30.
Lea Park Formation, Upper Cretaceous, NW11-54-3W4, east-central Alberta.

*Trichomya amphitrite* Crickmay
Holotype 27765
Crickmay, C.H., 1936, Bull. Geol. Soc. Amer., vol. 47, p. 558, pl. 1, figs. 7, 8.
Ellis Formation, Jurassic, west side of lower canyon of Yellowstone River, Wyoming, U.S.A.

*Tritogonia natosini* (McLearn)
Hypotypes 22015, 22016
Russell, L.A., 1967, J. Pal., vol. 41, no. 5, p. 1116, text-figs. 1A, B.
Cloverly Formation, Lower Cretaceous, sec. 27, tp. 7N, pge. 16E, 12 miles southeast of Harlowton, Montana, U.S.A.

*Vanuxemia inconstans* Billings
Hypotypes 22286-22311
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 9, pl. 4, figs. 1-11; pl. 5, figs. 1-5.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Vaugonia mariajosephinae* Crickmay
Holotype 27716
Crickmay, C.H., 1930, Bull. Dept. Geol. Sci., Univ. Calif., vol. 19, no. 2, p. 54, pl. 7, fig. g.
Salmon River Formation, Jurassic, east side of Divide Lake near north end, head of Cascade River, tributary of Salmon River, head of Portland Canal, British Columbia.

*Vaugonia veronica* Crickmay
Holotype 27715
Crickmay, C.H., 1930, Bull. Dept. Geol. Sci., Univ. Calif., vol. 19, no. 2, p. 53, pl. 7, fig. f.
Salmon River Formation, Jurassic, east side of Divide Lake near north end, head of Cascade River, tributary of Salmon River, head of Portland Canal, British Columbia.

*Weyla* sp. indet. aff. *W. bodenbenderi* (Behrendsen)
Fig. spec. 24040
Frebold, H. and Tipper, H.W., 1969, Geol. Surv. Can., Paper 69-23, pp. 13, 16, pl. 1, figs. 2-4.
Early Jurassic, west shore Thompson River opposite Lowell Ranch, 1 mile north of old mill and mouth of Bonaporte River, and in Venables Creek ravine near 89 mile post, Cariboo Road between Spatsum and Spences Bridge, British Columbia.

*Weyla* sp. indet.

Fig. spec. 24039

Frebold, H. and Tipper, H.W., 1969, Geol. Surv. Can., Paper 69-23, p. 13, pl. 1, fig. 1.

Early Jurassic, west slope of Rattlesnake Hill in ravine, near Ashcroft, British Columbia.

CEPHALOPODA - Nautiloidea

*Actinoceras* cf. *aequale* Flower
Hypotype 22400
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 24, pl. 12, fig. 16.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Amphicyrtoceras futile* (Billings)
Hypotypes 29700, 29701
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 9, figs. 11, 13.
Jupiter Formation, Middle Silurian, western end of Cape Jupiter cliff, Anticosti Island, Quebec.

*Beloitoceras* sp. aff. *B.* (?) *jamesense* Foerste
Hypotype 29636
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 5, fig. 19.
Ellis Bay Formation, Upper Ordovician, Becscie River road, 3.4 miles south of west branch Becscie River crossing, Anticosti Island, Quebec.

*Beloitoceras percurvatum* Foerste
Hypotypes 29650, 29651
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 6, figs. 16, 17.
Ellis Bay Formation, Upper Ordovician, Jupiter River road (1969), end of easterly-extending logging road, approximately 3.3 miles south of main highway, and coastal section at Pointe Laframboise, Anticosti Island, Quebec.

*Beloitoceras*? *productum* Flower
Holotype 22844
Flower, R.H., 1971, Geol. Surv. Can., Bull. 202, p. 21, pl. 2, figs. 3, 4.
Cat Head Member, Red River Formation, Ordovician, Kinwow Bay (Inmost) Island, Lake Winnipeg, Manitoba.

*Beloitoceras* sp. 1
Fig. spec. 22845
Flower, R.H., 1971, Geol. Surv. Can., Bull. 202, p. 22, pl. 2, fig. 9.
Cat Head Member, Red River Formation, Ordovician, Kinwow Bay (Inmost) Island, Lake Winnipeg, Manitoba.

*Beloitoceras*? sp. 2
Fig. spec. 22846
Flower, R.H., 1971, Geol. Surv. Can., Bull. 202, p. 22, pl. 2, fig. 10.
Cat Head Member, Red River Formation, Ordovician, Cat Head, Lake Winnipeg, Manitoba.

*Billingsites canadensis* (Billings)
Hypotypes 29560-29562
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 1, figs. 3, 5, 8.
Vauréal Formation, Upper Ordovician, Oil River, 0.8 miles above mouth, and east bank ½ mile above bridge, Anticosti Island, Quebec.

*Billingsites elongatus* Foerste
Hypotype 29584
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 2, fig. 11.
Vauréal Formation, Upper Ordovician, main point English Head, Anticosti Island, Quebec.

*Calhounoceras* cf. *candelabrum* Troedsson
= *Farroceras*(?) *winnipegense*, Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 74, pl. 31, figs. 6-8 [ holotype 7140 ] .

Colour markings on cephalopods
Fig. specs. 22409-22413
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 28, pl. 7, figs. 3-5.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*"Cycloceras" cylindratum* (Foerste)
Hypotype 22408
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 27, pl. 11, figs. 7-9.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Cyrthoceratites* aff. *C. lineatus* d'Archiac and de Verneuil
Hypotype 23729a, b
Collins, D.H., 1969, Geol. Surv. Can., Bull. 182, p. 45, pl. 9, figs. 1-7.
Landry Formation, Middle Devonian, 15 miles northeast of Divide Lake, Sekwi map-area, lat. 63°14'N, long. 128°06'W, District of Mackenzie.

*Cyrtogomphoceras*? sp. cf. *C. baffinense* Foerste
Hypotype 22852
Flower, R.H., 1971, Geol. Surv. Can., Bull. 202, p. 25, pl. 2, fig. 11.
Cat Head Member, Red River Formation, Ordovician, between McBeth and Cat Head, Lake Winnipeg, Manitoba.

*Cyrtogomphoceras minore* Flower
Holotype 22851
Flower, R.H., 1971, Geol. Surv. Can., Bull. 202, p. 25, pl. 2, figs. 12, 13.
Cat Head Member, Red River Formation, Ordovician, McBeth Point, Lake Winnipeg, Manitoba.

*Cyrtogomphoceras tuber* Flower
Holotype 22850
Flower, R.H., 1971, Geol. Surv. Can., Bull. 202, p. 24, pl. 2, fig. 5.
Cat Head Member, Red River Formation, Ordovician, Kinwow Bay (Inmost) Island, Lake Winnipeg, Manitoba.

*Cyrtorizoceras* sp.
Fig. spec. 27666
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. A, fig. 11.
Lindsay Formation, Middle Ordovician, road-cut at south end of highway-railroad bridge, Little Current, Manitoulin Island, Ontario.

*Diestoceras crater* Flower
Holotype 22839
Flower, R.H., 1971, Geol. Surv. Can., Bull. 202, p. 19, pl. 2, fig. 7.
Cat Head Member, Red River Formation, Ordovician, between McBeth Point and Cat Head, Lake Winnipeg, Manitoba.

*Diestoceras* sp.
Fig. spec. 22840
Flower, R.H., 1971, Geol. Surv. Can., Bull. 202, p. 20, pl. 1, fig. 13.
Cat Head Member, Red River Formation, Ordovician, Kinwow Bay (Inmost) Island, Lake Winnipeg, Manitoba.

*Diodoceras avonensis* (Dawson)
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 15, fig. 2 [ hypotype 4373] .

*Discosorus durdeni* Flower
Holotype 22571
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 26, pl. 4, figs. 4-6.
Severn River Formation, Middle Silurian, float in Rivière Joncas, Harricana River area, Quebec.

*Discosorus* cf. *D. ehlersi* Foerste
Hypotype 22570
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 25, pl. 3, fig. 5.
Severn River Formation, Middle Silurian, float in Rivière Joncas, Harricana River area, Quebec.

*Discosorus humei* Foerste
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 6, fig. 5 [ syntype 8710] .

*Discosorus humei* Foerste
Hypotypes 30449, 30457
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 5, fig. 21; pl. 6, fig. 4.
Thornloe Formation, Middle Silurian, west shore near northwest point and halfway along east shore of Mann Island, Lake Timiskaming, Quebec.

*Discosorus megistos* Flower
Holotype 22565; paratypes 22566, 22567
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 23, pl. 2, fig. 1; pl. 3, figs. 1-4, 8-10; pl. 32, fig. 2.
Severn River Formation, Middle Silurian, float 6½-7 miles above mouth of Rivière Joncas, Harricana River area, Quebec.

*Discosorus transversus* Flower
Holotype 22568; paratype 22569
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 25, pl. 3, figs. 6, 7; pl. 4, figs. 1-3.
Severn River Formation, Middle Silurian, float in Rivière Joncas and *in situ* Rivière Malouin, Harricana River area, Quebec.

*Donacoceras arundineum* Foerst
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 79, pl. 12, figs. 7-11. [ holotype 8044 ].

*Donacoceras arundineum* Foerste
Hypotypes 22596, 22597
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 79, pl. 7, figs. 1-6; pl. 8, figs. 14-16.
Ekwan River Formation, Middle Silurian, Rapides des Papillons, Harricana River, Quebec.

*Donacoceras arundineum* Foerste
Hypotypes 30485, 30507, 30508
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 9, fig. 1; pl. 10, figs. 13, 16.
Thornloe Formation, Middle Silurian, quarry southwest corner lot 9, con. III, Harley tp. and Macnamara quarry, lot 6, con. VI, Armstrong tp., Ontario.

*Donacoceras humei* Flower
Holotype 18749; paratype 22599
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 82, pl. 2, figs. 2-4; pl. 12, figs. 12-16.
Thornloe and Ekwan River Formations, Middle Silurian, Lake Timiskaming area and Rapides des Papillons, Harricana River, Quebec.

*Donacoceras leve* Flower
Holotype 18746; paratype 18747
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 81, pl. 12, figs. 1-6.
Thornloe Formation, Middle Silurian, Lake Timiskaming region, Ontario.

*Donacoceras mutabile* Flower
Holotype 22598
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 80, pl. 11, figs. 1-5.
Ekwan River Formation, Middle Silurian, Rapides des Papillons, Harricana River, Quebec.

*Donacoceras timiskamingense* Foerste
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 77, pl. 7, figs. 15-18 [ holotype 8043 ].
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 10, fig. 1.

*Donacoceras timiskamingense* Foerste
Hypotypes 18748, 18752
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 77, pl. 7, figs. 7-9, 13, 14; pl. 13, figs. 4-7.
Thornloe Formation, Middle Silurian, Lake Timiskaming region, Ontario.

*Donacoceras timiskamingense* Foerste
Hypotypes 22594, 22595
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 77, pl. 6, figs. 1-15.
Ekwan River Formation, Middle Silurian, Rapides des Papillons, Harricana River, Quebec.

*Donacoceras timiskamingense* Foerste
Hypotype 30497
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 10, fig. 5.
Thornloe Formation, Middle Silurian, road-cut opposite northwestern corner of Macnamara quarry, lot 6, con. VI, Armstrong tp., Ontario.

*Endoceras crassisiphonatum* Whiteaves
= *Narthecoceras crassisiphonatum*, Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 49, pl. 14, figs. 1, 2; pl. 15, figs. 3, 4 [ lectotype 1866, a ]; pl. 15, fig. 1; pl. 16, figs. 1-3 [ paratype 1867, a-c ].
= *Narthecoceras perplexum*, ibid., p. 61, pl. 15, figs. 2, 5-10; pl. 18, fig. 5 [ holotype 1870, a, b ].

*Eotrimeroceras jupiterense* Foerste
Hypotype 29704
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 9, fig. 15.
Jupiter Formation, Middle Silurian, western end of Cape Jupiter Cliff, Anticosti Island, Quebec.

*Ephippiorthoceras*? sp.
Fig. spec. 22838
Flower, R.H., 1971, Geol. Surv. Can., Bull. 202, p. 18, pl. 2, fig. 6.
Cat Head Member, Red River Formation, Ordovician, between McBeth Point and Cat Head, Lake Winnipeg, Manitoba.

*Ephippiorthoceras* sp.
Fig. spec. 29587
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 2, fig. 14.
Vauréal Formation, Upper Ordovician, coastal section east of Potatoe River, Anticosti Island, Quebec.

*Euorthoceras*? sp.
Fig. spec. 22583
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 38, pl. 4, figs. 9-13.
Ekwan River Formation, Middle Silurian, Harricana River opposite Ile des Sapins, Quebec.

*Farroceras liskeardense* Flower
Holotype 18742
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 74, pl. 34, figs. 1-5.
Farr Formation, Liskeard Group, Middle Ordovician, Farr quarry, Haileybury, Ontario.

*Folioceras segmentum* Collins
Holotype 23715, a; paratype 23716, a
Collins, D.H., 1969, Geol. Surv. Can., Bull. 182, p. 38, pl. 6, figs. 5-9; text-fig. 5.
Eids Formation, Middle Devonian, 2.3 miles west of Baumann Fiord, Bjorne Peninsula, lat. 77°29'12"N, long. 85°55'W, Ellesmere Island, Arctic.

*Gonioceras anceps* Hall
Hypotype 27665
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. A, fig. 6.
Bobcaygeon Formation, Middle Ordovician, north side of old Highway 68 east of west end of lake on Great Cloche Island, Ontario.

*Hindeoceras* sp.
Fig. spec. 23719
Collins, D.H., 1969, Geol. Surv. Can., Bull. 182, p. 42, pl. 7, figs. 7, 8.
Eids Formation, Middle Devonian, 2.3 miles west of Baumann Fiord, Bjorne Peninsula, lat. 77°29'12"N, long. 85°55'W, Ellesmere Island, Arctic.

*Humeoceras durdeni* Flower
Holotype 22572; paratypes 22573, 22574
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 28, pl. 1, figs. 1-13.
Ekwan River Formation, Middle Silurian, Rapides des Papillons, Harricana River, Quebec.

*Humeoceras tardum* Flower
Holotype 22575
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 29, pl. 2, figs. 9-11.
Severn River Formation, Middle Silurian, Rivière Malouin, Harricana River area, Quebec.

*Huronia annulata* Hall
Hypotype 23602
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 13, photo 24.
Fossil Hill Formation, Middle Silurian, ½ mile north of The Slash, Manitoulin Island, Ontario.

*Huronia horizontalis* Flower
Holotype 22577
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 32, pl. 5, figs. 8-11.
Ekwan River Formation, Middle Silurian, Harricana River opposite Ile des Sapins, Quebec.

*Huroniella timiskamingensis* Foerste
Hypotype 30536
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 13, fig. 24.
Thornloe Formation, Middle Silurian, southwest corner lot 4, con. I, Harris tp., Ontario.

*Kionoceras* cf. *K. loxias* (Hall)
Hypotype 22581
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 36, pl. 5, fig. 1.
Severn River Formation, Middle Silurian, Rivière Malouin, Harricana River area, Quebec.

*Kionoceras* sp. cf. *K. loxias* (Hall)
Hypotypes 30542, 30547
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 13, figs. 4, 5.
Thornloe and Fossil Hill Formations, Middle Silurian, northwest side Highway 65, corner of lots 2-3, cons. II-III, Harris tp., Lake Timiskaming region, and junction of Manitowaning-South Baymouth and The Slash roads, lot 4, con. II, Assiginack tp., Manitoulin Island, Ontario.

*Kionoceras* sp.
Fig. spec. 22582
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 37, pl. 5, figs. 2, 3.
Severn River Formation, Middle Silurian, Rivière Joncas, Harricana River area, Quebec.

*Kionoceras* sp.
Fig. spec. 29749
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 12, fig. 20.
Chicotte Formation, Middle Silurian, coastal section second point west of Chicotte River, Anticosti Island, Quebec.

*Kionoceras* sp.
Fig. spec. 30406
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15 pl. 1, fig. 17.
Wabi Formation, Middle Silurian, 1,000 feet upriver from bridge over Evanturel Creek, south of Englehart, Ontario.

"*Lambeoceras*" spp. 1, 2
Fig. specs. 22579, 22580
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 34, pl. 5, figs. 4-7.
Ekwan River Formation, Middle Silurian, Harricana River just south of mouth of Ruisseau des Fossiles and opposite Ile des Sapins, Quebec.

*Leurocycloceras superplenum* Collins
Holotype 23720; paratypes 23721, 23725-23727, 23782
Collins, D.H., 1969, Geol. Surv. Can., Bull. 182, p. 40, pl. 7, figs. 9-12; pl. 8, figs. 9-12; text-fig. 6.
Prongs Creek Formation, 166-171 feet above base, Middle Devonian, Royal Creek, lat. 65°02'N, long. 135°08'W, northern Yukon.

*Liroceras* sp.
Fig. spec. 25665
Nassichuk, W.W., 1971, J. Pal., vol. 45, no. 6, p. 1019, pl. 126, figs. 3, 4.
Jungle Creek Formation, Permian, north bank of Peel River, lat. 65°53'30"N, long. 136°12'45"W, Yukon.

*Loganoceros regulare* (Billings)
Hypotypes 22397, 22398
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 22, pl. 11, figs. 1-6.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Manticoceras* cf. *sinuosum* (Hall)
Hypotypes 21098a, b
House, M.R. and Pedder, A.E.H., 1963, Palaeontology, vol. 6, pt. 3, p. 521, pl. 74, figs. 6, 7; text-figs. 8C, D.
Mount Hawk Formation, Upper Devonian, about lat. 53°35'30"N, long. 118°30'W, Crescent Creek, Nelson Range, Alberta.

*Manitoulinoceras*? *lenticontractum* Flower
Holotype 22841
Flower, R.H., 1971, Geol. Surv. Can., Bull. 202, p. 20, pl. 1, fig. 14.
Cat Head Member, Red River Formation, Ordovician, Kinwow Bay (Inmost) Island, Lake Winnipeg, Manitoba.

*Megadiscosorus crassisegmentatus* Foerste
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 9, fig. 23 [ holotype 8726 ].

*Megadiscosorus* sp.
Fig. spec. 22578
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 33, pl. 5, figs. 12, 13.
Severn River Formation, Middle Silurian, Rivière Malouin, Harricana River area, Quebec.

*Michelinoceras* sp. 1
Fig. spec. 22834
Flower, R.H., 1971, Geol. Surv. Can., Bull. 202, p. 16, pl. 1, figs. 1, 2.
Cat Head Member, Red River Formation, Ordovician, Kinwow Bay (Inmost) Island, Lake Winnipeg, Manitoba.

*Michelinoceras*? sp. 2
Fig. spec. 22835
Flower, R.H., 1971, Geol. Surv. Can., Bull. 202, p. 17, pl. 1, fig. 3.
Cat Head Member, Red River Formation, Ordovician, Kinwow Bay (Inmost) Island, Lake Winnipeg, Manitoba.

*Michelinoceras* sp.
Fig. spec. 24863
Mitchell, S.W., 1970, Michigan Academician, vol. 2, no. 3, pl. 1, fig. 7.
Hay River Formation, Upper Devonian, north bank of Hay River, ¼ mile southeast of Enterprise, Northwest Territories.

*Michelinoceras* spp. 1-3
Fig. specs. 22402-22404
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 25, pl. 11, figs. 10-13.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Michelinoceras* sp.
Fig. spec. 30434
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 4, fig. 4.
Thornloe Formation, Middle Silurian, lots 2-3, con. V, Harris tp., Ontario.

*Monomuchites*? *decrescens* (Billings)
Hypotype 22407
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 26, pl. 11, figs. 19, 20.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Narthecoceras anomalum* Flower
Holotype 18743
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 60, pl. 25, figs. 3-7; pl. 26, figs. 1, 2.
Dog Head Member, Red River Formation, Ordovician, Little Tamarack Island, Lake Winnipeg, Manitoba.

*Narthecoceras brevicameratum* Flower
Holotype 22590
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 71, pl. 9, figs. 1-6; pl. 10, fig. 1.
Severn River Formation, Middle Silurian, Rivière Malouin, Harricana River area, Quebec.

*Narthecoceras calamitiforme* Flower
Holotype 18716; paratype 18717
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 58, pl. 19, figs. 1-7; pl. 21, figs. 1-7.
Dog Head Member, Red River Formation, Ordovician, Black Island, Swampy Harbour, Lake Winnipeg, Manitoba.

*Narthecoceras contractum* Flower
Holotype 22584
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 69, pl. 8, figs. 1-3.
Severn River Formation, Middle Silurian, about 77.5 miles above mouth Rivière Joncas, Harricana River area, Quebec.

*Narthecoceras crassisiphonatum* (Whiteaves)
Hypotypes 18721, 18722
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 49, pl. 17, figs. 1-5; pl. 26, figs. 10, 11.
Dog Head Member, Red River Formation, Ordovician, Garson quarries and Little Tamarack Island, Lake Winnipeg, Manitoba.

*Narthecoceras equisetum* Flower
Holotype 18718; paratype 18745
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 63, pl. 22, figs. 4-6; pl. 29, figs. 1-9.
Farr Formation, Liskeard Group, Middle Ordovician, Farr quarry, Haileybury, Ontario.

*Narthecoceras exile* Flower
Holotype 22587
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 70, pl. 8, figs. 4-8.
Ekwan River Formation, Middle Silurian, Rapides des Papillons, Harricana River, Quebec.

*Narthecoceras* cf. *N. exile* Flower
Hypotypes 22588, 22589
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 70, pl. 8, figs. 17-19; pl. 11, figs. 8-10.
Ekwan River Formation, Middle Silurian, Rapides des Papillons, Harricana River, Quebec.

*Narthecoceras lene* Flower
Holotype 18744
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 52, pl. 17, fig. 6; pl. 18, figs. 1-3, 6.
Dog Head Member, Red River Formation, Ordovician, Little Tamarack Island, Lake Winnipeg, Manitoba.

*Narthecoceras leurosiphonatum* Flower
Holotype 18751
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 65, pl. 24, figs. 3, 4; pl. 25, figs. 1, 2.
Portage Chute Formation, Bad Cache Rapids Group, Ordovician, near second upper limestone rapids, Nelson River, Manitoba.

*Narthecoceras oppletum* Flower
Holotype 18715
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 64, pl. 26, fig. 9; pl. 30, figs. 7-11.
Farr Formation, Liskeard Group, Middle Ordovician, Farr quarry, Haileybury, Ontario.

*Narthecoceras perplexum* Flower
Paratype 18756
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 61, pl. 31, fig. 9.
Dog Head Member, Red River Formation, Ordovician, Garson quarries, Manitoba.

*Narthecoceras planiventrum* Flower
Holotype 18714
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 60, pl. 30, figs. 1-4.
Dog Head Member, Red River Formation, Ordovician, north cliff of Gull Harbour, Hecla Island, Lake Winnipeg, Manitoba.

*Narthecoceras simpsoni* (Billings)
= *Narthecoceras sinclairi*, Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 53, pl. 16, figs. 4-8 [ paratype 6824] .

*Narthecoceras sinclairi* Flower
Holotype 18724; paratypes 18719, 18720, 18723, 18725, 18753-18755, 20079, 20080
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 53, pl. 18, fig. 4; pl. 20, figs. 1-8; pl. 21, fig. 8, 9; pl. 22, figs. 1-3, 7, 8; pl. 23, figs. 1-4, 11; pl. 24, figs. 1, 2; pl. 27, figs. 1-5; pl. 28, figs. 4-6; pl. 31, figs. 1, 2; pl. 32, figs. 3, 4; pl. 33, figs. 3-5.
Dog Head Member, Red River Formation, Ordovician, Burton Island, Mathewson Island, Little Tamarack Island, and Snake Island, Lake Winnipeg, Manitoba.

*Narthecoceras subannulatum* Flower
Holotype 22585; paratype 22587
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 69, pl. 7, figs. 10-12; pl. 8, figs. 9-13; pl. 32, fig. 1.
Ekwan River Formation, Middle Silurian, Rapides des Papillons, Harricana River, Quebec.

*Narthecoceras tyrrelli* Flower
Holotype 20081
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 63, pl. 33, fig. 1.
Red River Formation, Ordovician, east end near north end Sturgeon Lake, Manitoba.

*Narthecoceras*? sp.
Fig. spec. 20082
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 65, pl. 33, fig. 2.
Sandy beds [ Guigues Formation] , Liskeard Group, Ordovician, east side Lake Timiskaming, Quebec.

*Narthecoceras* sp.
Fig. spec. 20420
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 66, pl. 30, fig. 6.
Caution Creek Formation, Ordovician, South Knife River, Manitoba.

*Narthecoceras* or *Donacoceras* sp. 2
Fig. specs. 22591-22593
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 72, pl. 11, figs. 6, 7, 11-16.
Severn River Formation, Middle Silurian, Rivière Malouin, Harricana River area, Quebec.

*Neumatoceras*? *foerstei* Flower
Holotype 22847
Flower, R.H., 1971, Geol. Surv. Can., Bull. 202, p. 22, pl. 2, fig. 8.
Cat Head Member, Red River Formation, Ordovician, bay between McBeth Point and Cat Head, Lake Winnipeg, Manitoba.

*Neumatoceras*? *gracile* Flower
Holotype 22848
Flower, R.H., 1971, Geol. Surv. Can., Bull. 202, p. 23, pl. 1, fig. 15.
Cat Head Member, Red River Formation, Ordovician, Kinwow Bay (Inmost) Island, Lake Winnipeg, Manitoba.

*Neumatoceras*? sp.
Fig. spec. 22849
Flower, R.H., 1971, Geol. Surv. Can., Bull. 202, p. 24, pl. 2, fig. 1.
Cat Head Member, Red River Formation, Ordovician, Kinwow Bay (Inmost) Island, Lake Winnipeg, Manitoba.

*Oncoceras pupa* Flower
Holotype 22842; paratype 22843
Flower, R.H., 1970, Geol. Surv. Can., Bull. 202, p. 21, pl. 1, figs. 7, 8.
Cat Head Member, Red River Formation, Ordovician, McBeth Point, and between McBeth Point and Cat Head, Lake Winnipeg, Manitoba.

*Oonoceras*(?) sp.
Fig. specs. 30444, 30447, 30448
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 5, figs. 15, 16, 20, 22, 25.
Thornloe Formation, Middle Silurian, northwestern point Mann Island, Lake Timiskaming, Quebec, and lots 2-3, con. V, Harris tp., Ontario.

*Ormoceras expansum* Flower
Holotype 22576
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 31, pl. 2, figs. 5-8.
Ekwan River Formation, Middle Silurian, Rapides des Papillons, Harricana River, Quebec.

*Ormoceras* sp.
Fig. spec. 22401
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 24, pl. 12, fig. 17.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Ormoceras* sp.
Fig. spec. 23722, a
Collins, D.H., 1969, Geol. Surv. Can., Bull. 182, p. 46, pl. 8, figs. 1-4; text-fig. 8.
Prongs Creek Formation, Middle Devonian, Royal Creek, lat. 65°02'N, long. 135°08'W, Yukon.

*Polygrammoceras*? sp.
Fig. spec. 22836
Flower, R.H., 1971, Geol. Surv. Can., Bull. 202, p. 17, pl. 1, figs. 4, 5.
Cat Head Member, Red River Formation, Ordovician, Manitoba.

*Probillingsites cobourgensis* Flower
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 4, fig. 14 [ paratype 11092 ].

*Rayonnoceras*? sp.
Fig. specs. 23723, 23724, a, b
Collins, D.H., 1969, Geol. Surv. Can., Bull. 182, p. 47, pl. 8, figs. 5-8; text-fig. 9.
Prongs Creek Formation, Middle Devonian, Royal Creek, lat. 65°02'N, long. 135°08'W, Yukon.

*Rutoceras*? *eifelense* (d'Archiac and de Verneuil)
Hypotype 23728, a
Collins, D.H., 1969, Geol. Surv. Can., Bull. 182, p. 43, pl. 10, figs. 5-12; text-fig. 7.
Landry Formation, Middle Devonian, 8 miles west of Godlin Lake, Sekwi map-area, lat. 63°47'N, long. 129°W, District of Mackenzie.

*Schuchertoceras anticostiense* (Billings)
Hypotypes 29615, 29634
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 4, fig. 19; pl. 5, fig. 14.
Ellis Bay Formation, Upper Ordovician, logging road northeast of southern end of Petit Lac Ste. Marie, and coastal section east of Port Menier between Anse aux Navets and Cap à l'Aigle, Anticosti Island, Quebec.

*Schuchertoceras newberryi* (Billings)
Hypotype 29608, 29629, 29630
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 4, fig. 10; pl. 5, figs. 10, 21.
Ellis Bay Formation, Upper Ordovician, Junction Cliff; Becscie River road, 3.4 miles south of west branch Becscie River crossing; and La Loutre River road, 3.8 miles south of main highway, Anticosti Island, Quebec.

*Spyroceras hammelli* (Foerste)
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. B, fig. 1 [ hypotype 18663 ].

*Spyroceras*? aff. *S. karpinskyi* Zhuravleva
Hypotypes 23717, 23718, a
Collins, D.H., 1969, Geol. Surv. Can., Bull. 182, p. 36, pl. 7, figs. 1-6; text-fig. 4.
Eids Formation, Middle Devonian, 2.3 miles west of Baumann Fiord, Bjorne Peninsula, lat. 77°29'12"N, long. 85°55'W, Ellesmere Island, Arctic.

*Spyroceras magnosiphonatum* Foerste
Holotype 21103
Foerste, A.F., in Twenhofel, W.H., 1938, Geol. Soc. Amer., Sp. Paper 11, p. 95, pl. 19, figs. 1, 2; pl. 23, fig. 3.
Mingan Formation, Middle Ordovician, probably from Ammonite and Clearwater Points area, Mingan Islands, Quebec.

*Spyroceras thoas* (Hall)
Hypotypes 23713, a, 23714
Collins, D.H., 1969, Geol. Surv. Can., Bull. 182, p. 35, pl. 6, figs. 1-4; text-fig. 3.
Eids Formation, Middle Devonian, 2.3 miles west of Baumann Fiord, Bjorne Peninsula, lat. 77°29'12"N, long. 85°55'W, Ellesmere Island, Arctic.

"*Spyroceras*" (possibly *Gorbyoceras*) sp. 1
Fig. spec. 22837
Flower, R.H., 1971, Geol. Surv. Can., Bull. 202, p. 18, pl. 1, fig. 6.
Cat Head Member, Red River Formation, Ordovician, McBeth Point, Lake Winnipeg, Manitoba.

"*Spyroceras*" sp. 2
Fig. spec. 22190
Flower, R.H., 1971, Geol. Surv. Can., Bull. 202, p. 18, pl. 1, fig. 9.
Cat Head Member, Red River Formation, Ordovician, Manitoba.

"*Spyroceras*" sp.
Fig. specs. 22405, 22406
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 26, pl. 11, figs. 14-16.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Stokesoceras* sp. cf. *S. engadinense* Foerste
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 11, fig. 19 [ hypotype 8707 ].

*Titanoceras* sp.
Fig. spec. 25662
Nassichuk, W.W., 1971, J. Pal., vol. 45, no. 6, p. 1020, pl. 126, figs. 1, 2.
Jungle Creek Formation, Permian, north bank of Peel River, lat. 65°53'30"N, long. 136°12'45"W, Yukon.

*Trimeroceras*(?) n. sp.
Hypotype 29702
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 9, fig. 12.
Jupiter Formation, Middle Silurian, first creek east of Cape Ottawa, Anticosti Island, Quebec.

*Tuyloceras humei* Flower
Holotype 18750
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 22, pl. 13, figs. 1-3, 8.
Thornloe Formation, Middle Silurian, Lake Timiskaming region, Ontario.

*Tuyloceras* sp.
Fig. spec. 22564
Flower, R.H., 1968, Geol. Surv. Can., Bull. 164, p. 21, pl. 4, figs. 7, 8.
Ekwan River Formation, Middle Silurian, about 3 miles above mouth of Rivière Joncas, Harricana River area, Quebec.

*Westonoceras*? sp. 1, 2
Fig. specs. 22853, 22854
Flower, R.H., 1971, Geol. Surv. Can., Bull. 202, p. 26, pl. 1, figs. 10, 11; pl. 2, fig. 2.
Cat Head Member, Red River Formation, Ordovician, Kinwow Bay (Inmost) Island and unrecorded locality, Lake Winnipeg, Manitoba.

*Whitfieldoceras gracile* Flower
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 8, fig. 13 [ holotype 12352 ].

*Winnipegoceras simplicem* Flower
Holotype 22855
Flower, R.H., 1971, Geol. Surv. Can., Bull. 202, p. 27, pl. 1, fig. 12.
Cat Head Member, Red River Formation, Ordovician, McBeth Point, Lake Winnipeg, Manitoba.

*Zitteloceras* sp.
Fig. spec. 22399
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 24, pl. 11, figs. 17, 18.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

CEPHALOPODA-Dibranchiata

*Actinocamax* n. sp.
Hypotype 22798
Sinha, R.N., 1970, Geol. Surv. Can., Paper 68-30, p. 6, pl. 3, fig. 10.
Cardium Formation, Upper Cretaceous, depth 6,285 feet, HB Edson well 9, l.s.d. 4, sec. 8, tp. 54, rge. 18, W. 5th mer., Alberta.

*Acroteuthis subquadratus* (Roemer)
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 23, figs. 1a, b [ hypotype 17253 ].

*Baculites compressus eliasi* Cobban
Hypotype 21848
Jeletzky, J.A., 1070, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 27, figs. 4a, b.
Upper Cretaceous, Dirt Hills south of Regina, Saskatchewan.

Indeterminate true Belemmite
Fig. spec. 22797
Sinha, R.N., 1970, Geol. Surv. Can., Paper 68-30, p. 6, pl. 3, fig. 9.
Cardium Formation, Upper Cretaceous, depth 6,416 feet, HB Triad Edson well 58, l.s.d. 6, sec. 21, tp. 52, rge. 17, W. 5th mer., Alberta.

CEPHALOPODA - Ammonoidea

*Acanthoceras spiniferum* (Whiteaves)
= *Douvilleiceras spiniferum*, Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 25, figs. 4a-c [ hypotype 5993 ]
McLearn, F.H., 1972, ibid., Bull. 188, p. 62, pl. 11, figs. 2A-C [ 5993 ]; pl. 28, figs. 1A-C [ 5015 ].

*Acanthopleuroceras sutherlandbrowni* Frebold
Holotype 20338
Frebold, H., 1970, Can. J. Earth Sci., vol. 7, no. 2, pt. 1, p. 440, pl. 1, figs. 1a-c.
Maude Formation, Lower Jurassic, Ells Bay, Maude Island, Queen Charlotte Islands, British Columbia.

*Acrochordiceras (Paracrochordiceras) americanum* McLearn
McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 12, pl. 1, figs. 1a, b [holotype 6475].

*Acrochordiceras (Paracrochordiceras) americanum* McLearn
Hypotypes 21696, 21697
McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 12, pl. 1, figs. 2a, b, 3a, b.
Toad Formation, Middle Triassic, "Cameron Hill", east of Mile Post 378, Alaska Highway, Tetsa River Valley and south side of Liard River, about 2 miles below mouth of Toad River, British Columbia.

*Amaltheus stokesi* (Sowerby)
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 19, fig. 13 [ hypotype 15974 ].

*Amaltheus stokesi* (Sowerby)
Hypotype 25151
Frebold, H., 1970, Can. J. Earth Sci., vol. 7, no. 2, pt. 1, p. 441, pl. 3, fig. 1.
Fernie Group, Lower Jurassic, south of Mount Stearns, Halfway River map-area, northeastern British Columbia.

*Amaltheus* sp. indet. aff. *A. gibbosus* (Schlotheim)
Hypotype 23941
Frebold, H., 1969, Proc. Geol. Assoc. Can., vol. 20, p. 81, pl. 1, fig. 12.
Lower Jurassic, Bighorn Creek, Ya-Ha Tinda Ranch north of Red Deer River, Alberta.

*Amaltheus* sp. indet.
Fig. spec. 22881
Frebold, H., 1969, Proc. Geol. Assoc. Can., vol. 20, p. 81, pl. 1, fig. 11.
Lower Jurassic, Bighorn Creek, Ya-Ha Tinda Ranch north of Red Deer River, Alberta.

*Amaltheus* sp. indet.
Fig. specs. 25152-25154
Frebold, H., 1970, Can. J. Earth Sci., vol. 7, no. 2, pt. 1, p. 441, pl. 3, figs. 2-4.
Fernie Group, Lower Jurassic, Taku River district, northwestern British Columbia; south of Halfway River and east side of Pink Mountain just north of Halfway River, northeastern British Columbia.

*Ammonite* sp. indet., group 1
Fig. specs. 22875, 22876
Frebold, H., in Frebold, H., Tipper, H.W., and Coates, J.A., 1969, Geol. Surv. Can., Paper 67-10, p. 30, pl. 4, figs. 5c, d.
Dewdney Creek Group, Middle Jurassic, lookout section northeast of Pinewoods, Manning Park area, British Columbia.

*Ammonite incertae sedis*, group 2
Fig. specs. 22873, 22878
Frebold, H., in Frebold, H., Tipper, H.W., and Coates, J.A., 1969, Geol. Surv. Can., Paper 67-10, p. 31, pl. 1, figs. 16, 17.
Dewdney Creek Group, Lower Jurassic, divide section between Twenty-six Mile Creek and upper Skagit River and microwave tower section above Pinewoods, Manning Park area, British Columbia.

*Ammonites brewerii* Gabb
= *Brewericeras hulenense*, Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 25, figs. 7a, b [ hypotype 4984].
McLearn, F.H., 1972, ibid., Bull. 188, p. 42, pl. 20, figs. 2A, B.

*Ammonites crenocostatus* Whiteaves
= *Ammonoceratites crenocostatus*, McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 22, pl. 1, figs. 5A-C [hypotype 4987]

*Ammonites filicinctus* Whiteaves
= *Anagaudryceras filicinctum* McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 33, pl. 17, figs. 4A-C [ lectotype 4988].

*Ammonites laperousianus* Whiteaves
= *Parasilesites laperousianus*, McLearn, F.H., 1972, Geol. Surv. Can., p. 55, pl. 8, figs. 1A, B [ lectotype 4960].

*Ammonites perezianus* Whiteaves
= *Cleoniceras (Grycia?) perezianum*, McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 59, pl. 39, figs. 1A, B [holotype 5007]

*Ammonites selwynianus* Whiteaves
= *Schluteria selwyniana*, Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 28, figs. 10a, b [ lectotype 5803 b ].

*Ammonites stoliczkanus* var. *spiniferus* Whiteaves

= *Douvilleiceras spiniferum*, McLearn, F.H., 1972, Geol. Surv. Can., p. 62, pl. 10, figs. 1A-C [ paralectotype 5014a ] ; pl. 11, figs. 1A-C [ lectotype 5014b ] .

= *Douvilleiceras* sp. b, McLearn, F.H., 1972, ibid., p. 67, pl. 13, figs. 1A, B; pl. 26, fig. 1 [fig. spec. 5014].

*Ammonoceratites crenocostatus* (Whiteaves)

Hypotypes 21174, 21175

McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 22, pl. 2, figs. 1, 3.

Haida Formation, Lower Cretaceous, Bearskin Bay, Queen Charlotte townsite area, Graham Island, Queen Charlotte Islands, British Columbia.

*Amoeboceras* sp. indet.

Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 22, fig. 14 [ fig. spec. 15131 ] .

*Anagaudryceras filicinctum* (Whiteaves)

Hypotypes 21188-21190

McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 33, pl. 17, fig. 2; pl. 19, figs. 1, 2; pl. 36, fig. 2.

Haida Formation, Lower Cretaceous, Newcombe Bay, north shore Maude Island, Queen Charlotte Islands, British Columbia.

*Anagaudryceras sacya* (Forbes)

Hypotypes 21179-21185, 29021-29053, 5017, a-c

McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 28, pl. 5, figs. 3A, B; pl. 16, figs. 2-4; pl. 17, figs. 1, 2; pl. 43, figs. 1A-C; text-fig. 3.

Haida Formation, Lower Cretaceous, Bearskin Bay, Queen Charlotte townsite area, Graham Island; east Smith (Fleury) Island, Maude Channel; Robber Island, Skidegate Inlet; southeast and north shores Lina Island; north and south shores and near Dawson Cove, Cumshewa Inlet; Shingle Bay; Maple Island; between Kwuna and Onward Points east of Alliford Bay and islands (Bush) off Alliford Bay, Moresby Island; and eastern end of Newcombe Bay, northeast side Maude Island, Queen Charlotte Islands, British Columbia.

*Anagaudryceras* cf. *sacya* (Forbes)

Hypotypes 21186, 21187

McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 33, pl. 6, figs. 3A, B; pl. 40, figs. 2A-C.

Haida Formation, Lower Cretaceous, southeast shore Lina Island, and eastern end Newcombe Bay, north shore Maude Island, Queen Charlotte Islands, British Columbia.

*Anagaudryceras* sp.

Fig. spec. 21191

McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 35, pl. 19, figs. 3A, B.

Haida Formation, Lower Cretaceous, Bearskin Bay, Graham Island, Queen Charlotte Islands, British Columbia.

*Anagymnites involutus* var. *via-alaska* McLearn
= *Anagymnites via-alaska*, McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 51, pl. 11, figs. 2a-c; text-fig. 26 [ holotype 6446 ].

*Anagymnites* cf. *A. lamarcki* (Oppel)
Hypotype 21731
McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 52, pl. 11, figs. 1a, b; text-fig. 27.
Toad Formation, Middle Triassic, north side of Liard River, 8 miles southwest of mouth of Toad River, British Columbia.

*Anagymnites via-alaska* McLearn
Hypotype 21730
McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 51, pl. 11, figs. 3a, b.
Toad Formation, Middle Triassic, talus 450 feet west of Mile Post 376, north side Alaska Highway, Tetsa River Valley, British Columbia.

*Anagymnotoceras tozeri* McLearn
Holotype 21809; paratype 21810
McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 19, pl. 5, figs. 8a, b, 9a, b.
Lower Shale Member, Blaa Mountain Formation, Middle Triassic, 5 miles northwest of entrance to Hare Fiord, northwest Ellesmere Island, Arctic.

*Anagymnotoceras varium* (McLearn)
Hypotype 18899
Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 24, pl. 7, figs. 2a-c.
Toad Formation, Middle Triassic, west of Mile Post 375, Alaska Highway, northeastern British Columbia.

*Anahoplites yakounensis* (Whiteaves)
Hypotypes 21228-21232
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 57, pl. 6, figs. 1A, B; pl. 7, fig. 1; pl. 8, fig. 4; pl. 9, figs. 1-4.
Haida Formation, Lower Cretaceous, Skidegate Inlet; Bearskin Bay, Graham Island; second island off Alliford Bay, Moresby Island; eastern end Newcombe Bay, northeast side Maude Island; and Robber Island, Queen Charlotte Islands, British Columbia.

*Anakashmirites borealis* Tozer
Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 16, figs. 12a, b [ paratype 14073 ].

*Anaplanulites hyatti* Crickmay
Plastoholotype 27751
Crickmay, C.H., 1933, Bull. Geol. Soc. Amer., vol. 44, no. 5, p. 913, pl. 32, fig. 3; pl. 33.
North Ridge Formation, Jurassic, north ridge of Mount Jura, elevation 5,500 feet, California, U.S.A.

*Anatropites* sp.
Fig. spec. 18911
Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, pl. 9, figs. 7a, b.
Pardonet Formation, Upper Triassic, head of Western Gully, Pardonet Hill, Peace River area, northeastern British Columbia.
= *Mojsisovicsites kerri*, Tozer, E.T., 1970, ibid., Econ. Geol. Rept. 1, pl. 18, fig. 8b.

*Anawasatchites tardus* McLearn
= *Wasatchites tardus*, Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 20, pl. 5, figs. 3a-c [ holotype 9470 ].
1970, ibid., Econ. Geol. Rept. 1, pl. 16, figs. 14a, b.

*Ancyloceras remondi* Gabb
= *Shasticrioceras* aff. *hesperium*, Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 24, figs. 9a-c [ hypotype 4961a = 21829 ].

*Ancyloceras (Dissimilites)* n. sp. ex aff. *A. (D.) dissimile* (d'Orbigny)
Hypotype 21819
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 25, figs. 5a, b.
Dewdney Creek Group, Lower Cretaceous, elevation 5, 350 feet on spur between Castle Creek and Similkameen River, east side Windy Joe Mountain, Manning Park area, British Columbia.

*Anisoceras* sp.
Fig. spec. 24366
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 76, pl. 45, fig. 3.
Haida Formation, Lower Cretaceous, east of Kwuna Point, Moresby Island, Queen Charlotte Islands, British Columbia.

Aptychi
Fig. specs. 22879, 22880
Frebold, H., in Frebold, H., Tipper, H.W., and Coates, J.A., 1969, Geol. Surv. Can., Paper 67-10, p. 31, pl. 2, figs. 7, 8.
Dewdney Creek Group, Middle Jurassic, lookout section northeast of Pinewoods, Manning Park area, British Columbia.

*Arcthoplites (Lemuroceras) linaensis* McLearn
Holotype 21771
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 69, pl. 36, figs. 3A, B.
Haida Formation, Lower Cretaceous, northeast side of Lina Island, Queen Charlotte Islands, British Columbia.

*Arcthoplites (= Subarcthoplites) belli* (McLearn)
= *Arcthoplites belli*, Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 25, figs. 9a, b [ hypotype 17407 ].

*Arcthoplites (Subarcthoplites)* sp.
Fig. spec. 21242
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 69, pl. 39, fig. 2.
Lower Cretaceous, Dawson Cove, Cummshewa Inlet, British Columbia.

*Arcticoceras ishmae* (Keyserling)
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 21, fig. 9. [ hypotype 15120 ].

*Arcticoceras kochi* Spath
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 21, fig. 8 [ hypotype 15117 ].

*Arctoasteroceras jeletzkyi* Frebold
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 19, fig. 12 [ holotype 14623 ].

*Arctocephalites elegans* Spath
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 21, fig. 7 [ hypotype 15108 ].

*Arctoceras oebergi* (Mojsisovics)
= *Arctoceras blomstrandi,* Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 16, figs. 8a, b [ hypotype 14067 ].

*Arctohungarites bufonis* (McLearn)
Hypotype 21726
McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 45, pl. 8, figs. 9a, b.
Toad Formation, Middle Triassic, south side of Liard River, about 2 miles below mouth of Toad River, British Columbia.

*Argonauticeras* aff. *argonautarum* Anderson
Hypotype 21820
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 25, fig. 6.
Lower Cretaceous, nameless rocky islet 200 yards northwest of Salmon Island, Quatsino Sound, British Columbia.

*Arieticeras algovianum* (Oppel)
Frebold, H., 1970, Can. J. Earth Sci., vol. 7, no. 2, pt. 1, p. 443, pl. 2, figs. 1a, b [ hypotype 15985 ].

*Arieticeras* cf. *A. algovianum* (Oppel)
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 19, fig. 14 [ hypotype 15989 ].

*Arkelloceras tozeri* Frebold
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 21, figs. 4a-c [ holotype 13404 ].

*Arniotites begbiei* Crickmay
Holotype 25677; paratype 25678
Crickmay, C.H., 1928, Bull. Dept. Geol. Sci., Univ. Calif., vol. 18, no. 2, p. 61, pl. 2, figs. f, g.
Harbledown Formation, Jurassic, north side Parson Bay, 660 yards from west end of Harbledown Island, British Columbia.

*Arniotites kwakiutlanus* Crickmay
Holotype 25671; paratypes 25672-25676
Crickmay, C.H., 1928, Bull. Dept. Geol. Sci., Univ. Calif., vol. 18, no. 2, p. 61, pl. 1; pl. 2, figs. a-e.
Harbledown Formation, Jurassic, north side Parson Bay, 660 yards from west end of Harbledown Island, British Columbia.

*Asklepioceras glaciense* McLearn
= *Muensterites glaciensis*, Tozer, E.T., 1972, Palaeontology, vol. 15, no. 4, pl. 126, fig. 6 [ topotype 9536].

*Berriasella* aff. *gallica* Mazenot
Hypotype 21835
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 23, figs. 14a, b.
Lower Cretaceous, southeast slope of summit 8220, Taseko Lakes map-area, British Columbia.

*Beudanticeras affine* (Whiteaves)
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 25, figs. 13a, b [ hypotype 17400].

*Beyrichites deleeni* McLearn
= *Gymnotoceras deleeni*, Tozer, E.J., 1967, Geol. Surv. Can., Bull. 156, p. 25, pl. 7, figs. 4a, b [ holotype 6479], 5a, b [ paratype 6480].
McLearn, F.H., 1969, ibid., Bull. 156, p. 24, pl. 4, figs. 2a-c [ holotype 6479], 4a, b [ paratype 6480]; text-fig. 9 (upper).

*Bostrychoceras elongatum* (Whiteaves)
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 28, fig. 6 [ hypotype 10062].

*Brewericeras hulenense* (Anderson)
Hypotypes 21200-21207
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 42, pl. 18, figs. 2-4; pl. 20, figs. 1A, B, 3A, B; pl. 21, fig. 2; pl. 29, fig. 2; pl. 40, fig. 1; pl. 44, figs. 1A, B.
Haida Formation, Lower Cretaceous, Bare Rocks, Alliford Bay, Moresby Island; southeast and northeast shores Lina Island; Bearskin Bay, Graham Island; eastern and western ends Newcombe Bay, northeast shore Maude Island; Skidegate Inlet; and Robber Island, Queen Charlotte Islands, British Columbia.

*Cadoceras canadense* Frebold
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 21, fig. 12 [ holotype 17664].

*Cadoceras* cf. *falsum* Voronets
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 21, fig. 11 [ hypotype 17659].

*Cadoceras septentrionale* Frebold

Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 21, fig. 10 [ paratype 17657 ].

*Calliphylloceras* aff. *nizinanum* Imlay?

Hypotypes 21170, 21171

McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 21, pl. 1, figs. 3A, B, 4A, B.

Haida Formation, Lower Cretaceous, creek at south end of Alliford Bay, Moresby Island, and talus west side Newcombe Bay, northeastern shore Maude Island, Queen Charlotte Islands, British Columbia.

*Cardioceras (Scarburgiceras) alphacordatum* Spath

Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 22, fig. 13 [ hypotype 13892 ].

*Cardioceras canadense* Whiteaves

Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 22, fig. 12 [ holotype 7437 ].

*Cawtoniceras prionodes* Crickmay

Holotype 27767

Crickmay, C.H., 1936, Bull. Geol. Soc. Amer., vol. 47, p. 559, pl. 1, fig. 3; pl. 2, fig. 13; pl. 3, fig. 3.

Jurassic, Custer battlefield between Carlile and Belle Fourche Rivers, Wyoming, U.S.A.

*'Ceratites' hayesi* McLearn

= *Czekanowskites hayesi*, McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 43, pl. 1, figs. 7a-c [ holotype 6478 ] ; text-fig. 22.

*'Ceratites' hayesi* var. *angulatus* McLearn

= *Czekanowskites hayesi*, McLearn, F.H., 1970, Geol. Surv. Can., Bull. 170, p. 43, pl. 1, figs. 5a, b [ hypotype 6476 ].

*'Ceratites' hayesi* var. *pinguis* McLearn

= *Czekanowskites hayesi*, McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 43, pl. 1, figs. 4a, b [hypotype 6477 ].

*Charmasseiceras marmoreum* (Oppel)

Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 19, figs. 7 [ hypotype 20056 ], 8a, b [ 20052 ].

*Chondroceras allani* (McLearn)

Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 20, fig. 4 [ hypotype 16024 ].

*Chondroceras* sp. indet. aff. *C. ellsi* (McLearn)

Hypotypes 22706-22708

Frebold, H., in Frebold, H., Tipper, H.W., and Coates, J.A., 1969, Geol. Surv. Can., Paper 67-10, p. 29, pl. 3, fig. 5; pl. 4, fig. 5a.

Dewdney Creek Group, Middle Jurassic, lookout section northeast of Pinewoods and divide section between Twenty-six Mile Creek and upper Skagit River, Manning Park area, British Columbia.

*Chondroceras marshalli* (McLearn)
Hypotype 22699, 22700
Frebold, H., in Frebold, H., Tipper, H.W., and Coates, J.A., 1969 Geol. Surv. Can., Paper 67-10, p. 28, pl. 3, figs. 3, 4.
Middle Jurassic, north side Tyaughton Creek 1½ miles below mouth of Spruce Lake Creek, lat. 51°02'55"N, long. 122°54'30"W, Taseko Lakes area, British Columbia.

*Chondroceras russelli* Crickmay
Paratype 27749; plastoparatype 27750
Crickmay, C.H., 1933, Bull. Geol. Soc. Amer., vol. 44, no. 5, p. 913, pl. 27, fig. 7.
Mormon Formation, Jurassic, ravine southwest side of Mount Jura, elevation 4,670 feet, California, U.S.A.

*Chondroceras*? sp. indet. A
Fig. spec. 22709
Frebold, H., in Frebold, H., Tipper, H.W., and Coates, J.A., 1969, Geol. Surv. Can., Paper 67-10, p. 30, pl. 4, fig. 5b.
Dewdney Creek Group, Middle Jurassic, lookout section northeast of Pinewoods, Manning Park area, British Columbia.

*Choristoceras marshi* Hauer
Hypotypes 18912, 18913
Tozer, E.T.,
1967, Geol. Surv. Can., Bull. 156, p. 42, pl. 10, figs. 8a-c, 9.
1970, ibid., Econ. Geol. Rept. 1, pl. 18, figs. 21a [18913], b, c [18912].
Tyaughton Group, Upper Triassic, Tyaughton Creek above and below Spruce Lake Creek, southwestern British Columbia.

*Christioceras trifurcatum* Nassichuk and Furnish
Nassichuk, W.W. and Furnish, W.M., 1970, J. Pal., vol. 44, no. 2, p. 400, text-fig. 1A [holotype 19879].

*Cleoniceras (Grycia?) perezianum* (Whiteaves)
Hypotype 21233
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 25, figs. 2a, b.
McLearn, F.H., 1972, ibid., Bull. 188, p. 59, pl. 23, figs. 2A, B.
Haida Formation, Lower Cretaceous, southeast shore of Lina Island, Skidegate Inlet, Queen Charlotte Islands, British Columbia.

*Cleoniceras (Grycia?) perezianum* (Whiteaves)
Hypotypes 21234-21238
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 59, pl. 38, p. 1A-3B; pl. 42, figs. 1A-C, 2A, B.
Haida Formation, Lower Cretaceous, Smith Island, Maude Channel; southeast shore of Lina Island; northwest shore of Maude Island; and talus, Sandilands Island, Queen Charlotte Islands, British Columbia.

*Coeloceras spinatum* Frebold

= *Catacoeloceras spinatum,* Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 19, fig. 17 [ holotype 13361 ].

*Costididiscus* cf. *striatisulcatus* (d'Orbigny)

Hypotype 21823

Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 24, figs. 3a, b.

Dewdney Creek Group, Lower Cretaceous, road-cut on Lookout Road above Pinewoods Motel, Manning Park area, British Columbia.

*Cranocephalites borealis* (Spath)

Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 21, fig. 5 [ hypotype 15103 ].

*Cranocephalites vulgaris* Spath

Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 21, fig. 6 [ hypotype 13398 ].

*Crioceratites (Hemihoplites)* n. sp. ex aff. *C. (H.) soulieri* (Matheron)

Hypotype 21824

Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 24, figs. 4a, b.

Dewdney Creek Group, Lower Cretaceous, elevation 5,350 feet on spur between Castle Creek and Similkameen River, east side Windy Joe Mountain, Manning Park area, British Columbia.

*Crucilobiceras mouterdei* Frebold

Holotype 20337

Frebold, H., 1970, Can. J. Earth Sci., vol. 7, no. 2, pt. 1, p. 437, pl. 1, figs. 2a, b.

Maude Formation, Lower Jurassic, Ells Bay, Maude Island, Queen Charlotte Islands, British Columbia.

*Crucilobiceras pacificum* Frebold

Holotype 20333; paratypes 20334-20336, 25162, 25169

Frebold, H., 1970, Can. J. Earth Sci., vol. 7, no. 2, pt. 1, p. 435, pl. 1, figs. 4a-8; pl. 2, fig. 10.

Maude Formation, Lower Jurassic, Ells Bay, Maude Island, Queen Charlotte Islands, British Columbia.

*Crucilobiceras*? sp. indet.

Fig. spec. 22885

Frebold, H., 1969, Proc. Geol. Assoc. Can., vol. 20, p. 85, pl. 1, fig. 4.

Lower Jurassic, oil well road 14 miles south of Fernie, Lodgepole area, British Columbia.

*Czekanowskites hayesi* (McLearn)

Hypotypes 21698, 21699

McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 43, pl. 1, figs. 6a-c, 8a-c.

Toad Formation, Middle Triassic, talus east of Mile Post 378, north side Alaska Highway, Tetsa River Valley and 3/4 mile up "Four Fall Creek" from Bat Creek, British Columbia.

*Dactylioceras commune* (Sowerby) var. a
= *Dactylioceras commune*, Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 19, fig. 18 [ hypotype 13355 ].

*Dactylioceras*? sp. indet.
Fig. specs. 24052, 24053
Frebold, H., 1970, Can. J. Earth Sci., vol. 7, no. 2, pt. 1, p. 443, pl. 4, figs. 3, 4.
Fernie Group, Lower Jurassic, south of Halfway River, northeastern British Columbia.

*Daraelites* cf. *D. elegans* Tchernow
Hypotype 23604
Nassichuk, W.W., 1969, Geol. Surv. Can., Bull. 182, p. 116, text-fig. 11.
Belloy Formation, Lower Permian, 3, 325 feet Imperial Oil Well, Sikanni Chief No. 1, lat. 58°05'N, long. 121°53'W, northeastern British Columbia.

*Daubichites fortieri* (Harker)
Topotypes 24217, 24231-24234; hypotypes 24218-24220
Nassichuk, W.W., 1970, J. Pal., vol. 44, no. 1, p. 84, pl. 19, figs. 1, 3, 5-10; text-figs. 4A, B [ topotype 24217, not 24220 ], C, 5A-C.
Assistance Formation, Permian, west bank Lyall River about 3 miles upstream from mouth, north side Grinnell Peninsula, Devon Island, and western Sabine Peninsula some 20 miles southwest of Hiccles Creek, St. Arnaud Hills, Melville Island, Arctic.

?*Daubichites* sp.
Fig. specs. 23607, 23608
Nassichuk, W.W., 1969, Geol. Surv. Can., Bull. 182, p. 121, text-fig. 14.
Belloy Formation, Lower Permian, 3, 325 feet Imperial Oil Well, Sikanni Chief No. 1, lat. 58°05'N, long. 121°53'W, northeastern British Columbia.

*Desmoceras (Pseudoughligella) bearskinense* McLearn
Holotype 21214; paratypes 21213, 21215-21217, 21219-21221, 21770, 24530
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 48, pl. 22, figs. 1A, B; pl. 27, figs. 1A, B, 2A, B; pl. 32, figs. 1A, B, 2A, B; pl. 33, figs. 1-4; pl. 37, fig. 4.
Haida Formation, Lower Cretaceous, 200 feet west of Fisherman's Wharf, east of Smith Hotel, near Du Busy House, and 1 mile east of Queen Charlotte townsite, Graham Island; Maple Island; and Fleury Island, Queen Charlotte Islands, British Columbia.

*Desmoceras (Pseudoughligella) dawsoni* (Whiteaves)
Hypotypes 21208, 21209
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 45, pl. 15, figs. 2, 3A, B.
Haida Formation, Lower Cretaceous, northeast shore Cumshewa Inlet, Queen Charlotte Islands, British Columbia.

*Desmoceras (Pseudoughligella) japonicum* (Yabe)
Hypotype 21211
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 47, pl. 37, fig. 5.
Haida Formation, Lower Cretaceous, northeast shore Cumshewa Inlet, Queen Charlotte Islands, British Columbia.

*Desmoceras (Pseudoughligella) subezoanum* McLearn
Holotype 21210
McLearn, F.H., Geol. Surv. Can., Bull. 188, p. 46, pl. 25, fig. 1.
Haida Formation, Lower Cretaceous, east of Alliford Bay, Moresby Island, Queen Charlotte Islands, British Columbia.

*Desmoceras (Pseudoughligella)* n. sp.?
Hypotype 21212
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 47, pl. 4, figs. 1A, B.
Haida Formation, Lower Cretaceous, north of east end of Skidegate Lake, Graham Island, Queen Charlotte Islands, British Columbia.

*Desmoceras (Puzozia) planulatum*? Sowerby var.
= *Puzosia skidegatensis*, McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 37, pl. 18, figs. 1A, B [ holotype 5996 ].

*Desmoscaphites* aff. *bassleri* Reeside
Hypotype 21845
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 26, fig. 10.
Upper Cretaceous, Bow River, Alberta.

*Discamphiceras*(?) *tipperi* Frebold
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 19, fig. 4 [ holotype 19926 ].

*Discotropites theron* (Dittmar)
Hypotype 28023
Tozer, E.T., 1972, Palaeontology, vol. 15, no. 4, pl. 128, figs. 1, 2.
Pardonet Formation, Triassic, near Mile Post 428, Alaska Highway, northeastern British Columbia.

*Discotropites* sp.
Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 18, figs. 4a, b [ fig. spec. 14239 ].

*Douvilleiceras spiniferum* (Whiteaves)
Hypotypes 21239
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 62, pl. 10, figs. 3A-C.
Haida Formation, Lower Cretaceous, southeast shore of Lina Island, Queen Charlotte Islands, British Columbia.

*Douvilleiceras spiniferum* (Whiteaves)
Hypotype 21240
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 25, figs. 1a, b.
McLearn, F.H., 1972, ibid., Bull. 188, p. 62, pl. 10, figs. 2A, B.
Haida Formation, Lower Cretaceous, talus on second island, Alliford Bay, Skidegate Inlet, Queen Charlotte Islands, British Columbia.

*Douvilleiceras* sp. a
Fig. spec. 21241
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 67, pl. 12, figs. 1A, B.
Haida Formation, Lower Cretaceous, north side of Maude Island, point eastern end of Newcombe Bay, Queen Charlotte Islands, British Columbia.

*Douvilleiceras* sp.
Hypotype 24533
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 68.
Haida Formation, Lower Cretaceous, northeast shore of Lina Island, Queen Charlotte Islands, British Columbia.

*Drepanites hyatti rutherfordi* McLearn
Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 37, pl. 10, figs. 4a, b [ hypotype 14248 ].

*Drepanites hyatti rutherfordi* McLearn
Topotype 28021
Tozer, E.T., 1972, Palaeontology, vol. 15, no. 4, pl. 127, figs. 1, 2.
Pardonet Formation, Triassic, McLay Spur, Peace River, British Columbia.

*Eoasianites* aff. *E. trapezoidalis* Maximova
Hypotype 25507
Nassichuk, W.W., 1971, J. Pal., vol. 45, no. 6, p. 1006, pl. 124, figs. 4, 5; text-fig. 3.
Jungle Creek Formation, Permian, north bank of Peel River, lat. 65°53'30"N, long. 136°12'45"W, Yukon.

*Eoderoceras* sp. indet. 1
Fig. specs. 22882, a, 22883
Frebold, H., 1969, Proc. Geol. Assoc. Can., vol. 20, p. 84, pl. 1, figs. 1a, 2.
Fernie Group, Lower Jurassic, oil well road 14 miles south of Fernie, Lodgepole area, British Columbia.
= *Eoderoceras* sp. indet., Frebold, H., 1970, Can. J. Earth Sci., vol. 7, no. 2, pt. 1, p. 446, pl. 2, figs. 7, 8a, b [ 22882, a ].

*Eoderoceras*? sp. indet. 2
Fig. spec. 22886
Frebold, H., 1969, Proc. Geol. Assoc. Can., vol. 20, p. 84, pl. 1, figs. 3, a.
Lower Jurassic, oil well road 14 miles south of Fernie, Lodgepole area, British Columbia.
= *Coeloceras* sp. indet., Frebold, H., 1970, Can. J. Earth Sci., vol. 7, no. 2, pt. 1, p. 446, pl. 2, figs. 9a, b.

*Eogunnarites alaskaensis* Matsumoto
Hypotype 21222
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 53, pl. 23, figs. 1A-C.
Haida Formation, Lower Cretaceous, east of Alliford Bay between Kwuna and Onward Points, Moresby Island, Queen Charlotte Islands, British Columbia.

*Eolytoceras tasekoi* Frebold

Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 19, fig. 1 [ holotype 20059 ].

*Epigoniceras epigonum* (Kossmat)

Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 28, figs. 5a-c [ hypotype 10015 ].

*Erycites* aff. *E. howelli* (White)

Hypotypes 22719, 22856

Frebold, H., in Frebold, H., Tipper, H.W., and Coates, J.A., 1969, Geol. Surv. Can., Paper 67-10, p. 24, pl. 1, figs. 8, 9.

Middle Jurassic, about 300 yards north of junction of Blue Creek and Yalakom River, lat. 51°02'15"N, long. 121°27'35"W and 2¼ miles north of junction Tyaughton and Bonanza Creeks, lat. 51°04'40"N, long. 122°52'40"W, Taseko Lakes area, British Columbia.

*Erycites kialagvikensis* (White)

Hypotypes 22711, 22712

Frebold, H., in Frebold, H., Tipper, H.W., and Coates, J.A., 1969, Geol. Surv. Can., Paper 67-10, p. 23, pl. 1, figs. 6a, b.

Middle Jurassic, on ridge ½ mile southwest of Cardtable Mountain, lat. 51°05'40"N, long. 122°57'10"W, Taseko Lakes area, British Columbia.

*Euechioceras exoletum* Crickmay

Holotype 27741; paratypes 27742-27744

Crickmay, C.H., 1933, Bull. Geol. Soc. Amer., vol. 44, no. 5, p. 909, pl. 27, figs. 1, 2 [ 27742 ], 3 [ 27743 ], 4, 5 [ 27741 ].

Lilac Formation, Jurassic, southwest side of Mount Jura, California, U.S.A.

*Euflemingites romumderi* Tozer

Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 19, pl. 5, figs. 1a, b [ holotype 14051 ], 2a, b [ paratype 14191 ].

1970, ibid., Econ. Geol. Rept. 1, pl. 16, figs. 13a, b [ paratype 14050 ].

*Eulytoceras* n. sp. ex aff. *E. inaequalicostatus* (d'Orbigny)

Hypotype 21827

Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 24, fig. 7.

Lower Cretaceous, 9/10 of mile east of mouth Kewquodie Creek, south shore of Quatsino Sound, British Columbia.

*Fanninoceras carlottense* McLearn

Frebold, H., 1967, Can. J. Earth Sci., vol. 4, no. 6, figs. 1a-c [ holotype 4878 ].

1970, ibid., vol. 7, no. 2, pt. 1, p. 435, pl. 2, fig. 3.

*Fanninoceras dolmagii* McLearn

Frebold, H., 1967, Can. J. Earth Sci., vol. 4, no. 6, fig. 5 [ holotype 6519 ].

*Fanninoceras fannini* McLearn

Frebold, H., 1967, Can. J. Earth Sci., vol. 4, no. 6, figs. 2a, b [ holotype 9054 ], 3 [ hypotype 6495 ].

*Fanninoceras fannini* McLearn

Frebold, H., 1970, Can. J. Earth Sci., vol. 7, no. 2, pt. 1, p. 435, pl. 2, fig. 5 [ paratype 6493 ].

1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 19, fig. 16.

*Fanninoceras kunae* McLearn

Frebold, H., 1967, Can. J. Earth Sci., vol. 4, no. 6, fig. 4 [ holotype 4876c ].

*Fanninoceras kunae* var. *latum* McLearn

Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 19, fig. 15 [ holotype 9058 ].

*Frankites sutherlandi* (McLearn)

Hypotype 28025

Tozer, E.T., 1972, Palaeontology, vol. 15, no. 4, pl. 128, figs. 5, 6; text-fig. 2.

Liard Formation, Triassic, 2¼ miles west of Hell Gate, Liard River, northeastern British Columbia.

*Frechites kindli* McLearn

= *Gymnotoceras kindlei*, McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 29, pl. 5, figs. 2a, b; text-fig. 11 [ holotype 6693 ].

*Gabbioceras*? ex gr. *wintunium* Anderson

Hypotype 21818

Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 25, figs. 3a-c.

Dewdney Creek Group, Lower Cretaceous, road-cut on Lookout Road above Pinewoods Motel, Manning Park area, British Columbia.

*Gastroplites (Paragastroplites) flexicostatus* Imlay

Corrected locality - Peace River Formation, upper part of steep cliffs at mouth of Deep Creek, south side of Peace River, British Columbia [ hypotype 17429 ].

*Gleviceras* sp. indet.

Fig. spec. 22884

Frebold, H., 1969, Proc. Geol. Assoc. Can., vol. 20, p. 85, pl. 1, figs. 5, a.

Lower Jurassic, oil well road-cut 14 miles south of Fernie, Lodgepole area, British Columbia.

*Gleviceras* sp. indet.

Hypotype 25159

Frebold, H., 1970, Can. J. Earth Sci., vol. 7, no. 2, pt. 1, p. 435.

Ferme Group, Lower Jurassic, oil well road-cut 14 miles south of Fernie, Lodgepole area, British Columbia.

*Grambergia tetsaensis* McLearn

Holotype 21721; paratypes 21717-21720

McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 36, pl. 7, figs. 1a-5c; text-fig. 15.

Toad Formation, Middle Triassic, "Cameron Hill", east of Mile Post 378, Alaska Highway, Tetsa River Valley, British Columbia.

*Graphoceras* crickmayi Frebold

Holotype 22865; paratypes 22866, 22867

Frebold, H., in Frebold, H., Tipper, H.W., and Coates, J.A., 1969, Geol. Surv. Can., Paper 67-10, p. 22, pl. 2, figs. 2-4.

Dewdney Creek Group, Middle Jurassic, Lookout section northeast of Pinewoods, Manning Park area, British Columbia.

Graphoceratid, gen. et. sp. indet.

Fig. spec. 22869

Frebold, H., in Frebold, H., Tipper, H.W., and Coates, J.A., 1969, Geol. Surv. Can., Paper 67-10, p. 23, pl. 2, fig. 6.

Middle Jurassic, west side Spruce Lake Creek, 1½ miles from Spruce Lake, lat. 51°02'05"N, long. 122°57'25"W, Taseko Lakes area, British Columbia.

*Gymnites hagi* McLearn

= *Parapinacoceras hagei*, McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 49, pl. 10, figs. 5a, b [ holotype 6447 ].

*Gymnites hollandi* McLearn

= *Anagymnites hollandi*, McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 52, pl. 12, figs. 1a, b [ holotype 6448 ].

*Gymnotoceras beachi* McLearn

McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 30, pl. 5, figs. 1a-d; text-fig. 12 [ holotype 6692 ].

*Gymnotoceras chischa* Tozer

Holotype 18885; paratype 18886

Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 90, pl. 7, figs. 6a-7b; text-fig. 22.

Toad Formation, Middle Triassic, east entrance of canyon on Chischa River, 8 miles above Muskwa River, Fort Nelson area, northeastern British Columbia.

*Gymnotoceras columbianum* McLearn

= *Anagymnotoceras columbianum*, McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 23, pl. 3, figs. 2a, b [ holotype 6691 ].

*Gymnotoceras deleeni* (McLearn)

Hypotypes 21705-21710

McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 24, pl. 4, figs. 1a, b, 3a-c, 5a, b, 6a, b, 7; pl. 5, figs. 5a, b; text-fig. 9 (lower).

Tozer, E.T., 1970, ibid., Econ. Geol. Rept. 1, pl. 17, figs. 6a, b [ 21707 ].

Toad Formation, Middle Triassic, talus 450 feet west of Mile Post 376, and Mile Post 377 [ 21708 ], Alaska Highway, Tetsa River Valley; and "McTaggart Creek", west side of Mount Wooliever, Sikanni Chief River Valley [ 21706 ], British Columbia.

*Gymnotoceras deleeni* var. *liardense* McLearn

Hypotype 21712

McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 28, pl. 5, figs. 4a, b.

Toad Formation, Middle Triassic, south side of Chischa River, 5 miles above Muskwa River, British Columbia.

*Gymnotoceras helle* McLearn

= *Anagymnotoceras helle,* McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 21, pl. 3, figs. 4a-c [ paratype 9592 ], 5 [ holotype 9593 ]; text-fig. 7.

Tozer, E.T., 1970, ibid., Econ. Geol. Rept. 1, pl. 17, figs. 3a, b [ paratype 9592 ].

*Gymnotoceras ino* McLearn

= *Anagymnotoceras ino,* McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 23, pl. 3, figs. 3a, b [ holotype 9594 ].

*Gymnotoceras liardense* McLearn

= *Gymnotoceras deleeni* var. *liardense,* McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 28, pl. 5, figs. 3a, b; text-fig. 10 [ holotype 9485 ].

*Gymnotoceras moderatum* McLearn

= *Anagymnotoceras moderatum,* McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 20, pl. 3, fig. 6 [ holotype 9596 ].

*Gymnotoceras varium* McLearn

= *Anagymotoceras varium,* Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 24, pl. 7, figs. 3a, b [ holotype 9595 ].

McLearn, F.H., 1969, ibid., Bull. 170, p. 18, pl. 3, figs. 7a-c; text-fig 6.

*Gymnotoceras wrighti* McLearn

= *Anagymnotoceras wrighti,* McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 22, pl. 3, figs. 1a, b; text-fig. 8 [ holotype 9484 ].

*Gymnotoceras* sp.

Fig. specs. 21713, 21714

McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 11, pl. 5, figs. 6a, b, 7a, b.

Toad Formation, Middle Triassic, west side Mount Wooliever, Sikanni Chief River Valley, British Columbia.

*Hamites*(?) *glaber* Whiteaves

= *Ptychoceras (Diptychoceras) glaber,* McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 74, pl. 43, figs. 2A, B [ paralectotype 4962b ]; pl. 44, figs. 2A, B [ paralectotype 4962a ]; pl. 45, figs. 2A, B [ lectotype 4962 ].

*Hamites obstrictus* Jimbo

= *"Hamites" obstrictus,* Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 28, fig. 8 [ hypotype 5958 ].

*Haploceras beudanti* (Brongniart) Form A
= *Desmoceras (Pseudoughligella) subezoanum*, McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 46, pl. 25, figs. 2A-C [ paratype 4969 ].

*Haploceras beudanti* (Brongniart) Form B
= *Desmoceras (Pseudoughligella) dawsoni*, McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 45, pl. 14, figs. 1A-C [ lectotype 4992 ]; pl. 15, fig. 1 [ paralectotype 4992i ].

*Haploceras cumshewaense* Whiteaves
= *Marshallites cumshewaensis*, McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 53, pl. 3, figs. 1A, B [ holotype 4973 ].

*Haploceras planulatum* (Sowerby)
= *Mesopuzosia*? sp., McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 39 [ hypotype 4974 ].

*Haresiceras natronense* Reeside
Hypotype 21840
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 26, figs. 5a, b.
Riding Mountain (?) Formation, Upper Cretaceous, Manitoba.

*Harpoceras* cf. *H. exaratum* (Young and Bird)
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 18, fig. 19 [ hypotype 16003 ].

*Heteroceras (Heteroceras)* cf. *heliceroides* (Karsten)
Hypotypes 21825, 21830
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 24, figs. 5a, b, 10a-c.
Lower Cretaceous, 1,100-1,200 yards east of mouth of and ¼ mile up Kewquodie Creek, south shore Quatsino Sound, British Columbia.

*Himavatites columbianus* McLearn
Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 37, pl. 10, figs. 5a, b [ hypotype 9265; not 9625 ].
1970, ibid., Econ. Geol. Rept. 1, pl. 18, figs. 10a, b.

*Holcophylloceras* cf. *H. costisparsum* Imlay
Hypotype 22870
Frebold, H., in Frebold, H., Tipper, H.W., and Coates, J.A., 1969, Geol. Surv. Can., Paper 67-10, p. 20, pl. 3, fig. 6.
Middle Jurassic, on ridge in centre of Relay Creek valley, 1 3/4 miles southwest of Relay Mountain, lat. 51°06'55"N, long. 123°01'40"W, Taseko Lakes area, British Columbia.

*Holcophylloceras falciferum* Crickmay
Plastoholotype 27740
Crickmay, C.H., 1933, Bull. Geol. Soc. Amer., vol. 44, no. 5, p. 908, pl. 26, fig. 4.
Mormon Formation, Jurassic, 2 miles southeast of Taylorsville, California, U.S.A.

*Hollandites*? *humi* McLearn

= *Hollandites humi*, McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 15, pl. 2, figs. 1a-c; text-fig. 3 [ holotype 9482 ].

*Hollandites*? *mcconnelli* McLearn

= *Hollandites mcconnelli*, McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 16, pl. 1, figs. 10a, b; text-fig. 4 [ holotype 9481 ].

*Hollandites pelletieri* McLearn

Holotype 21704; paratypes 21700-21703

McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 13, pl. 2, figs. 3a-7c; text-fig. 2.

Toad Formation, Middle Triassic, 10 miles east of front range of Rocky Mountains, Chlotapecta Creek, British Columbia.

*Hollandites* cf. *H. pelletieri* McLearn

Hypotype 21772

McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 15, pl. 2, figs. 2a, b.

Toad Formation, Middle Triassic, Chlotapecta Creek, 10 miles east of Front Range of Rocky Mountains, British Columbia.

*Hollandites*? *spivaki* McLearn

= *Hollandites spivaki*, McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 17, pl. 1, figs. 11a, b; text-fig. 5 [ holotype 9483 ].

*Homerites semiglobosus* (Hauer)

Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 18, figs. 6a, b [ hypotype 14235 ].

*Homolsomites oregonensis* (Anderson)

Hypotype 21826

Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 24, figs. 6a-c.

Lower Cretaceous, 200 yards north of small stream opposite southwest tip of Wedel Island, northeast shore Forward Inlet, British Columbia.

*Hoplites canadensis* Whiteaves

= *Gastroplites canadensis*, Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. 1, pl. 25, figs. 10a, b [ holotype 7430 ].

*Hoplites newcombii* Whiteaves

= *Kepplerites newcombii*, Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 20, fig. 8 [ holotype 5990 ].

*Hoplites yakounensis* Whiteaves

= *Anahoplites yakounensis*, McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 57, pl. 6, fig. 2 [ lectotype 5992 ].

*'Hungarites' boreas* McLearn

= *Lenotropites caurus*, McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 41, pl. 8, figs. 6a, b [ hypotype 9586 ].

*'Hungarites' bufonis* McLearn
= *Arctohungarites bufonis,* McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 45, pl. 8, figs. 10a-c [ paratype 9589], 11a, b [ holotype 9588] ; text-fig. 23.

*'Hungarites' caurus* McLearn
= *Lenotropites caurus,* Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 23, pl. 7, figs. 1a, b [ holotype 9585] .
McLearn, F.H., 1969, ibid., Bull. 170, p. 41, pl. 8, figs. 4a, b; text-fig. 21 (middle).
Tozer, E.T., 1970, ibid., Econ. Geol. Rept. 1, pl. 17, figs. 1a, b.

*'Hungarites' dawsoni* McLearn
= *Lenotropites caurus,* McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 41, pl. 8, figs. 7a, b; text-fig. 21 (upper) [ hypotype 9587] .

*'Hungarites' mackenzii* McLearn
= *Grambergia mackenzii,* McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 38, pl. 7, figs. 6a, b; text-fig. 17 [ holotype 9584] .

*'Hungarites' nahwisi* McLearn
= *Grambergia nahwisi,* McLearn, F.H., 1970, Geol. Surv. Can., Bull. 170, p. 39, pl. 7, figs. 8a, b; text-fig. 18 [ holotype 9590] .

*'Hungarites' ovinus* McLearn
= *Grambergia ovinus,* McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 37, pl. 7, figs. 7a, b; text-fig. 16 [ holotype 9591] .

*Hypophylloceras* aff. *californicum* (Anderson)
Hypotypes 21172, 21173
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 22, pl. 1, figs. 1A, B, 2A, B.
Haida Formation, Lower Cretaceous, northeastern tip of Lina Island and Maple Island, Queen Charlotte Islands, British Columbia.

*Imlayoceras miettense* Frebold
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 20, fig. 12 [ holotype 14707] .

*Juvavites (Anatomites)* cf. *knowltoni* Smith
= *Juvavites* cf. *knowltoni,* Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 18, figs. 7a, b [ hypotype 14244] .

*Juvavites magnus* McLearn
Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 37, pl. 19, figs. 3a-c [ holotype 8837] .

*Juvenites needhami* Tozer
Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 16, figs. 11a, b [ paratype 14290] .

*Juvenites septentrionalis* Smith
Hypotype 28019
Tozer, E.T., 1972, Palaeontology, vol. 15, no. 4, pl. 126, figs. 5, 6.
Lower Triassic, north side Mill Canyon, about 2 miles northeast of Crittenden Ranch, Elko co., Nevada, U.S.A.

*Kanastephanus canadensis* McLearn
= *Normannites canadensis*, Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 20, fig. 2 [ holotype 9019 ].

*Kepplerites* cf. *K. rockymontanus* Imlay
Paterson, D.F., 1968, Saskatchewan Dept. Mineral Res., Rept. 120, p. 35, pl. 8 [ hypotype 14713 ].

*Keyserlingites subrobustus* (Mojsisovics)
Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 21, pl. 6, figs. 6a, b [ hypotype 18845 ].

*Kosmoceras (Gulielmiceras) knechteli* Imlay
Paterson, D.F., 1968, Saskatchewan Dept. Mineral Res., Rept. 120, p. 36, pl. 9, fig. 3 [ hypotype 14696 ].
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 20, fig. 6.

*Kossmaticeras canadense* McLearn
Holotype 21225
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 55, pl. 26, figs. 2A-C.
Haida Formation, Lower Cretaceous, talus Queen Charlotte townsite area, Bearskin Bay, Graham Island, Queen Charlotte Islands, British Columbia.

*Leioceras opalinum* (Reinecke)
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 21, fig. 2 [ hypotype 13379 ].

*Leiophyllites*? *kindli* McLearn
= *Leiophyllites kindlei*, McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 55, pl. 1, figs. 9a, b; text-fig. 30 [ holotype 6443 ].

*Lenotropites caurus* (McLearn)
Topotype 21725
McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 41, pl. 8, figs. 5a-c; text-fig. 21 (lower).
Toad Formation, Middle Triassic, south side of Liard River, about 2 miles below mouth of Toad River, British Columbia.

*Lenotropites tardus* McLearn
Holotype 21723; paratypes 21722, 21724
McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 39, pl. 8, figs. 1a-3b; text-fig. 19.
Toad Formation, Middle Triassic, unnamed creek flowing into Tetsa River south of Mile Post 372, Alaska Highway, British Columbia.

*Leptaleoceras pseudoradians* (Reynès)

Frebold, H., 1970, Can. J. Earth Sci., vol. 7, no. 2, pt. 1, p. 443, pl. 2, fig. 2 [ hypotype 15998 ].

*Lobites pacianus* McLearn

Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 17, figs. 12a [ hypotype 9525 ], b [ holotype 8789 ].

*Longobardites canadensis* McLearn

= *Longobardites nevadanus*, McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 31, pl. 6, figs. 1a-c [ hypotype 6449 ], 2a, b [ hypotype 6450 ], 3a, b [ hypotype 9581 ]; text-figs. 13b-d.

Tozer, E.T., 1970, ibid., Econ. Geol. Rept. 1, pl. 17, figs. 5a, b [ 6450 ].

*Longobardites intornatus* McLearn

= *Longobardites nevadanus*, McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 31, pl. 6, figs. 4a-c [ hypotype 6466 ], 5a, b [ hypotype 9582 ]; text-fig. 13a.

*Longobardites larvalis* (McLearn)

= *Lenotropites larvalis*, McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 41, pl. 6, figs. 8a, b; text-fig. 20 [ holotype 9583 ].

*Longobardites mctaggarti* McLearn

= *Grambergia mctaggarti*, McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 35, pl. 8, figs. 8a, b; text-fig. 14 [ holotype 6474 ].

*Longobardites nevadanus* Hyatt and Smith

Hypotypes 21715, 21716

McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 31, pl. 6, figs. 6a-c, 7a, b.

Toad Formation, Middle Triassic, talus 450 feet west of Mile Post 376, north side Alaska Highway, Tetsa River Valley and south side of Liard River, about 2 miles below mouth of Toad River, British Columbia.

*Lytoceros batesi* (Trask)

= *Ammonoceratites crenocostatus*, McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 22, pl. 2, figs. 2A, B [ hypotype 4976 ].

*Lytoceras sacya* (Forbes)

= *Anagaudryceras sacya*, McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 28, pl. 5, fig. 4; pl. 6, fig. 4 [ hypotype 5006 ].

*Maclearnoceras enode* Tozer

Holotype 28024

Tozer, E.T., 1972, Palaeontology, vol. 15, no. 4, p. 653, pl. 128, figs. 3, 4.

Liard Formation, Triassic, Boiler Canyon, Liard River, northeastern British Columbia.

*Maclearnoceras maclearni* Tozer

Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 29, pl. 8, figs. 8a, b [ paratype 14299 ].
1970, ibid., Econ. Geol. Rept. 1, pl. 17, figs. 16a, b [ paratypes 14296, 14298 ].

*Malayites dawsoni* McLearn

Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 36, pl. 10, figs. 2a, b [ holotype 8836 ].
1970, ibid., Econ. Geol. Rept. 1, pl. 18, figs. 9a [ 8836 ], b [hypotype 12604 ].

*Mariella* sp.

Fig. spec. 21196

McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 40, pl. 5, fig. 1.

Haida Formation, Lower Cretaceous, Bearskin Bay, Queen Charlotte townsite area, Graham Island, Queen Charlotte Islands, British Columbia.

*Marshallites columbianus* McLearn

Holotype 21224

McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 54, pl. 3, figs. 3A, B.

Haida Formation, Lower Cretaceous, Pallant Creek, northeast shore Cumshewa Inlet, British Columbia.

*Marshallites cumshewaensis* (Whiteaves)

Hypotype 21223, 24531, 24532

McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 53, pl. 3, figs. 2A, B.

Haida Formation, Lower Cretaceous, Bearskin Bay, Queen Charlotte townsite and east, Graham Island, Queen Charlotte Islands, British Columbia.

*Medlicottia chozaensis* Plummer and Scott

Hypotypes 23605, 23606

Nassichuk, W.W., 1969, Geol. Surv. Can., Bull. 182, p. 117, pl. 13, figs. 2, 4; text-fig. 13.

Belloy Formation, Lower Permian, 3, 325 feet Imperial Oil Well Sikanni Chief No. 1, lat. 58°05'N, long. 121°53'W, northeastern British Columbia.

*Medlicottia* aff. *M. orbignyana* (Verneuil)

Hypotype 24216

Nassichuk, W.W., 1970, J. Pal., vol. 44, no. 1, p. 81, pl. 19, fig. 4; text-fig. 3.

Assistance Formation, Permian, about 2 miles north of type Assistance exposures on west bank of Lyall River about 3 miles upstream from mouth, north side Grinnell Peninsula, Devon Island, Arctic.

*Medlicottia* n. sp.

Hypotype 25514

Nassichuk, W.W., 1971, J. Pal., vol. 45, no. 6, p. 1011, pl. 125, figs. 5, 6; text-fig. 6.

Jungle Creek Formation, Permian, north bank of Peel River, lat. 65°53'30"N, long. 136°12'45"W, Yukon.

*Megaphyllites humilis* (Mojsisovics)
Hypotype 28022
Tozer, E.T., 1972, Palaeontology, vol. 15, no. 4, pl. 127, fig. 3.
Hallstatt Limestone, Triassic, Sandling, Austria.

*Melanhippites harbledownensis* Crickmay
Holotype 25679; paratypes 25680-25683
Crickmay, C.H., 1928, Bull. Dept. Geol. Sci., Univ. Calif., vol. 18, no. 2, p. 61, pl. 3 [ 25679] ; pl. 4, figs. a [ 25681] , b [ 25682] [25683], d [25680].
Harbledown Formation, Jurassic, north side Parson Bay, 1 3/4 miles from west end of Harbledown Island, British Columbia.

*Metalegoceras* sp.
= *Sverdrupites harkeri,* Nassichuk, W.W., 1970, J. Pal., vol. 44, no. 1, p. 89, pl. 22, fig. 5 [ holotype 13775] .

*Mojsisovicsites kerri* (McLearn)
Topotype 22736
Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 35, pl. 10, figs. 1a, b.
Pardonet Formation, Upper Triassic, Brown Hill, Peace River, northeastern British Columbia.

*Mortoniceras (Deiradoceras)* sp. a
Fig. specs. 21243, 21244
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 70, pl. 24, figs. 1A, B; pl. 35, fig. 1; pl. 36, fig. 1; pl. 37, fig. 2.
Haida Formation, Lower Cretaceous, Maple Island and Bearskin Bay, Queen Charlotte Islands, British Columbia.

*Mortonicersas (Deiradoceras)* sp. b
Fig. spec. 21245
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 71, pl. 24, fig. 2.
Haida Formation, Lower Cretaceous, Bearskin Bay, east of Queen Charlotte townsite area, Graham Island, Queen Charlotte Islands, British Columbia.

*Mortoniceras (Styphloceras) downii* McLearn
Holotype 21246; paratypes 21247, 21218
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 73, pl. 31, figs. 1A-3.
Haida Formation, Lower Cretaceous, Bearskin Bay, Queen Charlotte townsite area, Graham Island, Queen Charlotte Islands, British Columbia.

*Mortoniceras (Styphloceras) lowrii* McLearn
Holotype 5009
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 72, pl. 30, figs. 1-3; pl. 39, figs. 3, 4.
Haida Formation, Lower Cretaceous, Bearskin Bay, Queen Charlotte Islands, British Columbia.

*Nathorstites mcconnelli* (Whiteaves)
Hypotype 21769
Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 17, figs. 20a, b.
Liard Formation, Middle Triassic, north side of Liard River, east of first canyon west of Hell Gate, northeastern British Columbia.

*Nathorstites macconnelli* (Whiteaves)
Hypotypes 28014, 28016, 28026-28028, 28230-28232
Tozer, E.T., 1972, Palaeontology, vol. 15, no. 4, pl. 124, figs. 1-8; pl. 125, figs. 1-4; text-figs. 1a, b.
Liard Formation, Middle Triassic, 2½ and 3½ miles west of Hell Gate, Liard River, northeastern British Columbia.

*Neocomites* (*Neocomites*?) aff. *indomontanus* Uhlig
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 23, figs. 6a-c [ hypotype 17223 ].

*Neogastroplites maclearni* var. D Reeside and Cobban
= *Neogastroplites maclearni*, Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 25, figs. 14a, b [ hypotype 13658 ].

*Neophylloceras ramosum* (Meek)
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 28, figs. 4a, b [ hypotype 5811 ].

*Nordophiceras spathi* (Kummel and Steele)
Hypotype 28018
Tozer, E.T., 1972, Palaeontology, vol. 15, no. 4, pl. 126, figs. 1, 2.
Lower Triassic, north side Mill Canyon, about 2 miles northeast of Crittenden Ranch, Elko co., Nevada, U.S.A.

*Nostoceras hornbyense* (Whiteaves)
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 28, fig. 6 [ hypotype 10069 ].

*Oedania*? sp. indet.
Fig. spec. 22868
Frebold, H., in Frebold, H., Tipper, H.W., and Coates, J.A., 1969, Geol. Surv. Can., Paper 67-10, p. 23, pl. 2, fig. 5.
Middle Jurassic, west side Spruce Lake Creek, 1½ miles from Spruce Lake, lat. 51° 02'05"N, long. 122° 57'25"W, Taseko Lakes area, British Columbia.

*Olenikites canadensis* Tozer
Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 16, figs. 19a, b [ holotype 14094 ].

*Olenikites pilaticus* Tozer
Holotype 18893; paratypes 18890-18892, 18894
Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 88, pl. 6, figs. 1a-5d; text-fig. 21.
Blaa Mountain Formation, Lower Triassic, cliff on coast of Nansen Sound, 20 miles southeast of Cape Stallworthy, northern Axel Heiberg Island, Arctic.

*Ophiceras commune* Spath

Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 16, figs. 2a, b [ hypotype 14030] .

*Ophiceras commune* Spath

Hypotype 18897

Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 16, pl. 3, figs. 1a, b.

Blind Fiord Formation, Lower Triassic, south shore of island between Bunde and Bukken Fiords, Axel Heiberg Island, Arctic.

*Otoceras boreale* Spath

Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 15, pl. 2, figs. 1a, b [ hypotype 14026] .

1970, ibid., Econ. Geol. Rept. 1, pl. 16, figs. 1a, b [ hypotype 14015] .

*Otoceras boreale* Spath

Hypotype 18895

Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 15, pl. 2, fig. 2.

Blind Fiord Formation, Lower Triassic, south shore of island between Bunde and Bukken Fiords, Axel Heiberg Island, Arctic.

*Otoceras concavum* Tozer

Holotype 18882; paratypes 18881, 18883, 18884

Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 86, pl. 1, figs. 1a-3b; text-fig. 20.

Blind Fiord Formation, Lower Triassic, east of Camp Five Creek, Griesback Creek, lat. 80°31'N, long. 94°40'W, northwestern Axel Heiberg Island, Arctic.

*Owenites koeneni* Hyatt and Smith

Hypotype 28017

Tozer, E.T., 1972, Palaeontology, vol. 15, no. 4, pl. 126, figs. 3, 4.

Lower Triassic, north side Mill Canyon, about 2 miles northeast of Crittenden Ranch, Elko co., Nevada, U.S.A.

*Oxynoticeras oxynotum* (Quenstedt)

Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 19, fig. 11 [ hypotype 14631] .

*Oxynoticeras* sensu lato sp. indet.

Fig. spec. 25158

Frebold, H., 1970, Can. J. Earth Sci., vol. 7, no. 2, pt. 1, p. 447, pl. 2, fig. 6.

Fernie Group, Lower Jurassic, Lodgepole area about 14 miles southeast of Fernie, British Columbia.

*Pachydiscus suciaensis* (Meek)

Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 28, figs. 12a, b [ hypotype 10035]

*Pachyproptychites strigatus* (Tozer)
Hypotype 18896
Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 17, pl. 3, figs. 2a, b.
Blind Fiord Formation, Lower Triassic, 4 miles southwest of mouth of Camp Five Creek, northwestern Axel Heiberg Island, Arctic.

*Paltarpites argutus* Buckman
Hypotypes 24047-24049
Frebold, H., 1970, Can. J. Earth Sci., vol. 7, no. 2, pt. 1, p. 444, pl. 4, figs. 8-10.
Lower Jurassic, Taku River district, northwestern British Columbia.

*Paltarpites paltus* Buckman
Hypotypes 24044-24046
Frebold, H., 1970, Can. J. Earth Sci., vol. 7, no. 2, pt. 1, p. 443, pl. 4, figs. 5-7.
Lower Jurassic, Taku River district, northwestern British Columbia.

*Papilliceras blackwelderi* Crickmay
Holotype 27747
Crickmay, C.H., 1933, Bull. Geol. Soc. Amer., vol. 44, no. 5, p. 911, pl. 30, figs. 1-4.
Mormon Formation, Jurassic, southwest side of Mount Jura, California, U.S.A.

*Papilliceras juramontanum* Crickmay
Holotype 27748
Crickmay, C.H., 1933, Bull. Geol. Soc. Amer., vol. 44, no. 5, p. 911, pl. 31.
Mormon Formation, Jurassic, southwest side of Mount Jura, California, U.S.A.

*Papilliceras stantoni* Crickmay
Holotype 27746
Crickmay, C.H., 1933, Bull. Geol. Soc. Amer., vol. 44, no. 5, p. 910, pl. 29, figs. 1, 2; pl. 32, fig. 1.
Mormon Formation, Jurassic, southwest side of Mount Jura, California, U.S.A.

*Paracaloceras multicostatum* Frebold
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 19, fig. 9 [ holotype 19939 ].

*Paracephalites glabrescens* Buckman
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 20, fig. 11 [ hypotype 14705 ].

*Paracochloceras suessi* Mojsisovics
Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 18, fig. 17 [ hypotype 17016 ].

*Paracoroniceras* cf. *gmündense* (Oppel)
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 19, fig. 10 [ hypotype 15969 ].

*Paragastrioceras jossae exile* Ruzhencev

Hypotype 25517

Nassichuk, W.W., 1971, J. Pal., vol. 45, no. 6, p. 1014, pl. 125, fig. 3.

Jungle Creek Formation, Permian, north bank of Peel River, 5.1 miles southwest of mouth of Hart River, lat. 65°49'30"N, long. 136°33'W, Yukon.

*Paragastrioceras jossae subtrapezoidale* Maximova and Tchernow

Hypotype 25659

Nassichuk, W.W., 1971, J. Pal., vol. 45, no. 6, p. 1013, pl. 125, fig. 7; text-fig. 9.

Jungle Creek Formation, Permian, 5.1 miles southwest of mouth of Hart River, lat. 65°49'30"N, long. 136°33'W, Peel River, Yukon.

*Paragastrioceras* new species Nassichuk, Furnish and Glenister, 1965

Hypotype 25509

Spinosa, C. and Nassichuk, W.W., 1971, Geol. Surv. Can., Bull. 197, p. 89, pl. 16, fig. 6.

Hare Fiord Formation, Permian, west side Blue Mountains, northern Ellesmere Island, Arctic.

*Parajaubertella imlayi* Matsumoto

Hypotype 21197

McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 40, pl. 21, figs. 1A, B.

Haida Formation, Lower Cretaceous, east of Alliford Bay between Kwuna and Onward Points, Moresby Island, Queen Charlotte Islands, British Columbia.

*Paranorites sverdrupi* Tozer

Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 16, figs. 7a, b [ holotype 14277 ].

*Paranorites sverdrupi* Tozer

Hypotype 18898

Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 18, pl. 4, figs. 2a, b.

Blind Fiord Formation, Lower Triassic, cliff facing Nansen Sound, 20 miles southeast of Cape Stallworthy, Axel Heiberg Island, Arctic.

*Parapinacoceras hagei* (McLearn)

Hypotypes 21727-21729

McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 49, pl. 10, figs. 2a-4b; text-fig. 25.

Toad Formation, Middle Triassic, 9 miles south of Mile Post 372, Alaska Highway, Chischa River; Mile Post 376, Alaska Highway, Tetsa River Valley; and north side of Liard River, 8 miles southwest of mouth of Toad River, British Columbia.

*Parapopanoceras medium* McLearn

= *Parapopanoceras tetsa,* McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 46, pl. 9, figs. 4a, b [ hypotype 9577 ], 5 [ hypotype 9578 ]; text-fig. 24d.

*Parapopanoceras normale* McLearn

= *Parapopanoceras tetsa,* McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 46, pl. 9, figs. 7a, b [ hypotype 9575], 8a, b [ hypotype 9574]; text-fig. 24a.

*Parapopanoceras obesum* McLearn

= *Parapopanoceras tetsa,* McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 46, pl. 9, figs. 9a, b [ hypotype 9576].

*Parapopanoceras selwyni* McLearn

Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 17, figs. 4a [ paratype 9580], b [ holotype 9579].

= *Parapopanoceras tetsa,* McLearn, F.H., 1969, ibid., Bull. 170, p. 46, pl. 9, figs. 1a, b [ hypotype 9579], 2a, b [ hypotype 9580]; text-fig. 24e.

*Parapopanoceras tetsa* McLearn

McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 46, pl. 9, figs. 3a, b; text-fig. 24c [ holotype 6440].

*Parapopanoceras tetsa* McLearn

Topotypes 22733-22735

McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 46, text-figs. 24b, f, g.

Toad Formation, Middle Triassic, west of Mile Post 375 and "Cameron Hill", east of Mile Post 378, Alaska Highway, Tetsa River Valley, and north side of Liard River, 8 miles southwest of mouth of Toad River, British Columbia.

*Parapopanoceras tetsa* var. *praematurum* McLearn

= *Parapopanoceras tetsa,* McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 46, pl. 9, figs. 6a, b [ hypotype 6441].

*Parashumardites* sp.

Fig. spec. 23603

Nassichuk, W.W., 1969, Geol. Surv. Can., Bull. 182, p. 124, text-fig. 15B.

Hare Fiord Formation, Pennsylvanian, north side Hare Fiord, 18 miles northeast of Van Hauen Pass, lat. 81°08'N, long. 84°06'W, Ellesmere Island, Arctic.

*Parasilesites laperousianus* (Whiteaves)

Hypotype 21226

McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 55, pl. 8, figs. 2A, B.

Haida Formation, Lower Cretaceous, west side Newcombe Bay, north side Maude Island, Queen Charlotte Islands, British Columbia.

*Paratrachyceras sutherlandi* McLearn

Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 30, pl. 8, fig. 12 [ holotype 9547]

*Paratrachyceras sutherlandi* McLearn
Hypotypes 18902-18904
Tozer, E.T.,
1967, Geol. Surv. Can., Bull. 156, p. 30, pl. 8, figs. 9a-11c.
1970, ibid., Econ. Geol. Rept. 1, pl. 17, figs. 22a, b [18903].
Liard Formation, Middle Triassic, south fork Tetsa River and 2¼ miles above Hell Gate, Liard River, northeastern British Columbia.
= *Frankites sutherlandi*, Tozer, E.T., 1972, Palaeontology, vol. 15, no. 4, pl. 12, figs. 7-9; text-fig. 2 [18903].

*Paratropites spepsumensis* Crickmay
Holotype 27729
Crickmay, C.H., 1930, Bull. Dept. Geol. Sci., Univ. Calif., vol. 19, no. 2, p. 60, pl. 7, figs. c-e.
Nicola Group, Jurassic, ½ mile east of Thompson River, 2 miles north of Spatsum, British Columbia.

*Phyllopachyceras infundibulum* (d'Orbigny)
Hypotype 21828
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 24, figs. 8a, b.
Lower Cretaceous, unnamed rocky islet 200 yards northeast of Salmon Island, Quatsino Sound, British Columbia.

*Phlyseogrammoceras* aff. *P. dispansiforme* (Wunstorf) et *P. werthi* (Denckmann)
Hypotypes 22857-22862
Frebold, H., in Frebold, H., Tipper, H.W., and Coates, J.A., 1969, Geol. Surv. Can., Paper 67-10, p. 20, pl. 1, figs. 10-15.
Dewdney Creek Group, Lower Jurassic, divide section between Twentysix Mile Creek and upper Skagit River, Manning Park area, British Columbia.

*Phricodoceras* cf. *P. taylori* (Sowerby)
Hypotypes 25155, 25156
Frebold, H., 1970, Can. J. Earth Sci., vol. 7, no. 2, pt. 1, p. 438, pl. 2, figs. 11a, b, 12.
Fernie Group, Lower Jurassic, Lodgepole area about 14 miles southeast of Fernie, British Columbia.

*Phymatoceras* sp. indet.
Fig. spec. 23942
Frebold, H., 1969, Proc. Geol. Assoc. Con., vol. 20, p. 83, pl. 1, fig. 13.
Lower Jurassic, north bank Fording River 2 miles upstream from bridge, 13 miles north of Natal, British Columbia.

*Platypleuroceras*? sp. indet.
Fig. spec. 24059
Frebold, H., 1970, Can. J. Earth Sci., vol. 7, no. 2, pt. 1, p. 439, pl. 1, fig. 3.
Lower Jurassic, McConnell Creek area 2 miles south of Dewar Peak, British Columbia.

*Pleuroceras*? spp. indet.
Fig. specs. 24054-24058
Frebold, H., 1970, Can. J. Earth Sci., vol. 7, no. 2, pt. 1, p. 441, pl. 3, figs. 5-9.
Fernie Group, Lower Jurassic, near and south of Cypress Creek, and south of Halfway River, northeastern British Columbia.

*Ponteixites robustus* Warren
Hypotype 21846
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 27, figs. 1a, b.
Upper Cretaceous, headwaters Moose River or Great Bend Creek, tp. 2, rge. 20, W. 2nd mer., Saskatchewan.

*Popanoceras* cf. *P. sobolewskyanum* (Verneuil)
Hypotype 24215
Nassichuk, W.W., 1970, J. Pal., vol. 44, no. 1, p. 93, text-fig. 13.
Assistance Formation, Permian, west bank of Lyall River about 3 miles upstream from mouth, north side Grinnell Peninsula, Devon Island, Arctic.

*Prionocyclus (Collingnoniceras) woolgari* (Mantell)
Hypotype 21844
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 26, figs. 9a, b.
Upper Cretaceous, mountain west of Mount Park, near Mount Cheviot, Alberta-British Columbia.

*Prionocyclus (Prionocyclus) wyomingensis* var. *elegans* Haas
Hypotype 21843
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 26, figs. 8a, b.
Upper Cretaceous, near Coal Creek station, Alberta.

*Prionocyclus (Prionocyclus) wyomingensis* var. *robusta* Haas
Hypotype 21838
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 26, fig. 3.
Upper Cretaceous, Western Leaseholders Keystone well, sec. 31, tp. 27, rge. 6, W. 5th mer., Alberta.

*Prionolobus lilangense* (Krafft)
Hypotype 21768
Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 16, figs. 6a, b.
Toad Formation, Lower Triassic, 6½ miles south of Mount Laurier, British Columbia.

*Proarcestes* sp.
Fig. spec. 28020
Tozer, E.T., 1972, Palaeontology, vol. 15, no. 4, pl. 126, figs. 7, 8.
Triassic, bluff 10 miles southeast of Mount Mary Henry, northeastern British Columbia.

*Procerites*? sp. indet.
= *Cobbanites* sp. indet. aff. *engleri*, Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 20, fig. 9 [ fig. spec. 12908 ] .

*Prodactylioceras* spp.
Fig. specs. 24050, 24051
Frebold, H., 1970, Can. J. Earth Sci., vol. 7, no. 2, pt. 1, p. 442, pl. 4, figs. 1, 2.
Lower Jurassic, Miner's Range near Lake Laberge, Whitehorse area, southern Yukon, and near Cypress Creek, Halfway River map-area, northeastern British Columbia.

*Progonoceratites poseidon* Tozer
Holotype 18888; paratypes 18887, 18889
Tozer, E.T.,
1967, Geol. Surv. Can., Bull. 156, p. 91, pl. 8, figs. 3a-5c; text-fig. 23.
1970, ibid., Econ. Geol. Rept. 1, pl. 17, figs. 8a, b [ 18887 ], 9a, b [18888 ].
Liard Formation, Middle Triassic, bluff between Chischa and Tuchodi Rivers, 10 miles southeast of Mount Mary Henry, Tuchodi Lakes area, northeastern British Columbia.

*Properrinites furnishi* Nassichuk
Holotype 25513; paratype 25512
Nassichuk, W.W., 1971, J. Pal., vol. 45, no. 2, p. 1009, pl. 125, fig. 4; text-figs. 5A-C.
Jungle Creek Formation, Permian, north bank of Peel River, lat. 65°53'30"N, long. 136°12'45"W, Yukon.

*Proplacenticeras sutherlandbrowni* McLearn
Holotype 21227
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 56, pl. 8, figs. 3A, B.
Haida Formation, Lower Cretaceous, Fleury Island (?), Queen Charlotte Islands, British Columbia.

*Proptychites candidus* Tozer
Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 18, pl. 4, figs. 1a, b [holotype 14044] .

*Proptychites strigatus* Tozer
= *Pachyproptychites strigatus*, Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 16, figs. 3a, b [ paratype 14035 ] .

*Prosphingites spathi* Frebold
Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 16, figs. 10a, b [ hypotype 14085 ] .

*Prothalassoceras bostocki* Nassichuk
Holotype 25510; paratype 25511
Nassichuk, W.W., 1971, J. Pal., vol. 45, no. 6, p. 1005, pl. 124, fig. 3; text-fig. 2.
Jungle Creek Formation, Permian, north bank of Peel River, lat. 65°53'30"N, long. 136°12'45"W, Yukon.

*Protothurmannia rezanoffiana* Crickmay
Holotype 27770; paratypes 27771-27773
Crickmay, C.H., 1932, Am. Midland Naturalist, vol. 13, p. 2, pl. 1, figs. 1-5; pl. 2, figs. 1, 2.
Jurassic, headwaters of Alamos Creek, a tributary of Cuyama River, San Luis Obispo Co., California, U.S.A.

*Protrachyceras* cf. *P. meeki* (Mojsisovics)
Hypotypes 18900, 18901
Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, pl. 8, figs. 1a-2b.
Toad Formation, Middle Triassic, 12 miles north of Wapiti Lake, northeastern British Columbia.

*Protrachyceras sikanianum* McLearn
Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 17, figs. 10a, b [ holotype 9044 ].

*Pseudhelicoceras carlottense* (Whiteaves)
Hypotypes 21192, 21193
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 36, pl. 29, fig. 1; pl. 41, figs. 1A, B.
Haida Formation, Lower Cretaceous, Bearskin Bay, Queen Charlotte townsite, Graham Island, and Maple Island, Queen Charlotte Islands, British Columbia.

*Pseudogastrioceras fortieri* Harker
= *Daubichites fortieri*, Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 14, fig. 7 [ paratype 13773 ].

*Pseudolioceras m'clintocki* (Haughton)
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 21, fig. 1 [ hypotype 14658 ].

*Psiloceras canadense* Frebold
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 19, figs. 3a, b [ hypotype 20049 ].

*Psiloceras (Curviceras) columbiae* Frebold
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 19, fig. 5 [ paratype 19924; not 19921 ].

*Psiloceras* ex aff. *P. planorbis* (Sowerby)
= *Psiloceras* ex aff. *planorbis*, Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 19, fig. 2 [ hypotype 20053 ].

*Ptychites* cf. *P. trochlaeformis* (Lindstrom)
= *Ptychites* cf. *trochlaeformis*, Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 17, figs. 2a, b [ hypotype 14186 ].

*Ptychites wrighti* McLearn
McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 56, pl. 10, figs. 1a-c; text-fig. 31 [ holotype 6442 ].

*Ptychoceras (Diptychoceras) glaber* (Whiteaves)
Hypotypes 24364, 24365, 24367
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 74, pl. 44, fig. 3; pl. 45, figs. 1, 4.
Haida Formation, Lower Cretaceous, Bearskin Bay, point east of Queen Charlotte townsite area and Smith Hotel in townsite, Graham Island, Queen Charlotte Islands, British Columbia.

*Ptychoceras vancouverense* Whiteaves
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 28, figs. 11a, b [ lectotype 5798 ].

*Puzosia dilleri* (Anderson)
Hypotype 21194
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 38, pl. 22, figs. 2A-C.
Haida Formation, Lower Cretaceous, Robber Island, Skidegate Inlet, Queen Charlotte Islands, British Columbia.

*Reineckeites dilleri* Crickmay
Holotype 27752; paratypes 27753-27755
Crickmay, C.H., 1933, Bull. Geol. Soc. Amer., vol. 44, no. 5, p. 914, pl. 32, fig. 2 [ 27753 ] ; pl. 34, figs. 1 [ 27754 ], 2, 5 [ 27755 ] 3 [27753], 4 [27752].
Forman Formation, Jurassic, upper part of west fork of Hinchman Ravine, elevation 4, 850 feet, California, U.S.A.

*Rhabdoceras suessi* Hauer
Tozer, E.T.,
1967, Geol. Surv. Can., Bull. 156, p. 38, pl. 10, figs. 6, 7a-c [hypotypes 14263, 14264]
1970, ibid., Econ. Geol. Rept. 1, pl. 18, figs. 18a, b.

*Scaphites brevis* Meek
Hypotype 21852
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 27, figs. 9a, b.
Bearpaw Formation, Upper Cretaceous, French (?) River, Saskatchewan.

*Scaphites carlilensis* Morrow
Hypotype 21842
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 26, figs. 7a, b.
Kaskapau Formation, Upper Cretaceous, Smoky River, tp. 76, rge. 24, Watino map-area, Alberta.

*Scaphites depressus* Reeside
Hypotype 21837
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 26, figs. 2a, b.
Upper Cretaceous, Highwood River Valley, sec. 34, tp. 16, rge. 6, W. 5th mer., Alberta.

*Scaphites hippocrepis* de Kay
Hypotype 21849
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 27, fig. 6.
Upper Cretaceous, Western Potash Company shaft, depth 991 feet, l.s.d. 12, sec. 18, tp. 41, rge. 23, W. 3rd mer., Vera, Saskatchewan.

*Scaphites nodosus* Owen
Hypotype 5369
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 27, figs. 7a, b.
Upper Cretaceous, elbow of Saskatchewan River, Saskatchewan.

*Scaphites (Discoscaphites)* ex gr. *roanensis* Stephenson
Hypotype 21853
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 27, figs. 10a, b.
Bearpaw Formation, Upper Cretaceous, sec. 30, tp. 6, rge. 22, W. 3rd mer., Saskatchewan.

*Schloenbachia borealis* Whiteaves
= *Grammoceras boreale*, Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 19, fig. 20 [ holotype 9703 ].

*Schloenbachia gracilis* Whiteaves
= *Sonninia gracilis*, Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 22, fig. 10 [ holotype 4809 ].

*Schloenbachia propinqua* Whiteaves
= *Fanninoceras kunae*, Frebold, H., 1967, Can. J. Earth Sci., vol. 4, no. 6, fig. 4 [ holotype 4876c ].

*Simbirskites (Hollisites) lucasi* Imlay
Hypotype 21831
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 24, figs. 11a, b.
Lower Cretaceous, north side Cardtable Mountain, Taseko Lakes map-area, British Columbia.

*Sirenites (Meginoceras) meginae* (McLearn)
= *Meginoceras meginae*, Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 29, pl. 8, figs. 7a, b [ topotype 8811 ].
1970, ibid., Econ. Geol. Rept. 1, pl. 17, fig. 11a.

*Sirenites nanseni* Tozer

Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 18, figs. 1a, b [ paratype 14158] .

*Sirenites nanseni* Tozer

Hypotypes 18905, 18906

Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 32, pl. 9, figs. 2a-3b.

Blaa Mountain Formation, Upper Triassic, 15 and 7 miles northwest of entrance to Hare Fiord, west coast Ellesmere Island, Arctic.

*Somoholites* cf. *S. beluensis* (Haniel)

Hypotypes 25516, 25666

Nassichuk, W.W., 1971, J. Pal., vol. 45, no. 6, p. 1008, pl. 126, fig. 7; text-fig. 4.

Jungle Creek Formation, Permian, north bank of Peel River, lat. 65°53'30"N, long. 136°12'45"W, Yukon.

*Speetoniceras agnessense* Imlay

Hypotype 21821

Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 24, figs. 1a-c.

Lower Cretaceous, north side Cardtable Mountain, Taseko Lakes map-area, British Columbia.

*Sphenodiscus maudensis* Whiteaves

= *Fanninoceras maudense*, Frebold, H., 1970, Can. J. Earth Sci., vol. 7, no. 2, pt. 1, p. 435, pl. 2, fig. 4 [ holotype 4979] .

*Sphenodiscus requienianus*? (d'Orbigny)

= *Fanninoceras carlottense*, Frebold, H., 1967, Can. J. Earth Sci., vol. 4, no. 6, figs. 1a-c [ holotype 4878] .

*Spiroceras carlottense* Whiteaves

= *Pseudhelicoceras carlottense*, McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 36, pl. 4, fig. 2 [ lectotype 5004c] .

= *Pseudhelicoceras* sp., McLearn, F.H., 1972, ibid., p. 37 [ hypotypes 5004a, b] .

*Spiticeras (Spiticeras)* sp. indet. juven.

Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 23, figs. 7a, b [ fig. spec. 16608] .

*Stacheoceras* new species

Hypotype 25508

Spinosa, C. and Nassichuk, W.W., 1971, Geol. Surv. Can., Bull. 197, p. 91, pl. 16, fig. 5; text-fig. 17c.

Hare Fiord Formation, Permian, west side Blue Mountains, 7.28 miles southeast of eastern shore of Hare Fiord, lat. 80°43'30"N, long. 85°40'W, northern Ellesmere Island, Arctic.

*Steinmannites (Meginoceras) meginae* McLearn
= *Meginoceras meginae*, Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 29, pl. 8, figs. 6a, b [ holotype 9042 ].
1970, ibid., Econ. Geol. Rept. 1, pl. 17, fig. 11b.

*Stephanoceras* cf. *S. caamanoi* McLearn
Hypotype 22704
Frebold, H., in Frebold, H., Tipper, H.W., and Coates, J.A., 1969, Geol. Surv. Can., Paper 67-10, p. 26, pl. 4, fig. 3.
Dewdney Creek Group, Middle Jurassic, Lookout section northeast of Pinewoods, Manning Park area, British Columbia.

*Stephanoceras (Skirroceras)* cf. *S. kirschneri* Imlay
Hypotypes 22701-22703
Frebold, H., in Frebold, H., Tipper, H.W., and Coates, J.A., 1969, Geol. Surv. Can., Paper 67-10, p. 27, pl. 3, figs. 1, 2; pl. 4, fig. 2.
Middle Jurassic, east bank of east fork Relay Creek, lat. 51°06'55"N, long. 123°01'W, and ridge in centre of Relay Creek valley, lat. 51°06'55"N, long. 123°01'35"W, 1 3/4 miles southwest of Relay Mountain, Taseko Lakes area, British Columbia.

*Stephanoceras yakounense* McLearn
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 20, fig. 1 [ holotype 9057 ].

*Stephanoceras* sp. indet.
Fig. spec. 22874
Frebold, H., in Frebold, H., Tipper, H.W., and Coates, J.A., 1969, Geol. Surv. Can., Paper 67-10, p. 28, pl. 4, fig. 4.
Dewdney Creek Group, Middle Jurassic, divide section between Twentysix Mile Creek and upper Skagit River, Manning Park area, British Columbia.

*Stikinoceras kerri* McLearn
= *Mojsisovicsites kerri*, Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 18, figs. 8a [ holotype 9048 ].

*Stiphromorphites schucherti* Crickmay
Holotype 27745
Crickmay, C.H., 1933, Bull. Geol. Soc. Amer., vol. 44, no. 5, p. 909, pl. 28, figs. 1-3.
Mormon Formation, Jurassic, southwest side of Mount Jura, California, U.S.A.

*Sturia* sp.
Fig. spec. 21732
McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, pl. 12, figs. 2a, b.
Toad Formation, Middle Triassic, south side of Liard River, about 2 miles below mouth of Toad River, British Columbia.

*Sverdrupites amundseni* Nassichuk

Holotype 24224; paratypes 24227, 24228, 24230, 24237, 24690-24694; hypotype 24225

Nassichuk, W.W., 1970, J. Pal., vol. 44, no. 1, p. 91, pl. 21, figs. 1, 2, 6; pl. 22, figs. 1-4, 6-8; text-figs. 10A-E, 11A-E.

Assistance Formation, Permian, western Sabine Peninsula some 20 miles southwest of Hiccles Creek, St. Arnaud Hills, Melville Island, and ¼ mile north of type Assistance exposures on west bank of Lyall River about 3 miles upstream from mouth, north side Grinnell Peninsula, Devon Island, Arctic.

*Sverdrupites harkeri* (Ruzhencev)

Topotypes 24223, 24226, 24235, 24236, 24250

Nassichuk, W.W., 1970, J. Pal., vol. 44, no. 1, p. 89, pl. 21, figs. 3, 4, 6, 7, 9 [ topotype 24223, not 24233 ] ; text-figs. 8A-E, 9.

Assistance Formation, Permian, west bank Lyall River about 3 miles upstream from mouth, north side Grinnell Peninsula, Devon Island, Arctic.

*Sverdrupites* sp.

Fig. spec. 24229

Nassichuk, W.W., 1970, J. Pal., vol. 44, no. 1, p. 92, pl. 22, fig. 9; text-figs. 12A-C.

Assistance Formation, Permian, west bank Lyall River about 3 miles upstream from mouth, north side Grinnell Peninsula, Devon Island, Arctic.

*Synartinskia belcheri* Nassichuk

Holotype 23304

Nassichuk, W.W., 1970, J. Pal., vol. 44, no. 1, p. 80, pl. 19, fig. 2; text-fig. 2.

Assistance Formation, Permian, 1 mile northwest of type Assistance exposures on west bank of Lyall River about 3 miles upstream from mouth, north side Grinnell Peninsula, Devon Island, Arctic.

*Tabantalites bifurcatus* Ruzhencev

Hypotype 25515

Nassichuk, W.W., 1971, J. Pal., vol. 45, no. 6, p. 1012, pl. 126, fig. 8; text-fig. 8.

Jungle Creek Formation, Permian, south bank of Peel River, 6.2 miles east of confluence of Peel and Hart Rivers, lat. 65°52'24"N, long. 136°10'30"W, Yukon.

*Teloceras*? sp. indet.

Hypotype 22877

Frebold, H., in Frebold, H., Tipper, H.W., and Coates, J.A., 1969, Geol. Surv. Can., Paper 67-10, p. 28.

Dewdney Creek Group, Middle Jurassic, divide section between Twentysix Mile Creek and upper Skagit River, Manning Park area, British Columbia.

*Tetragonites* aff. *kitchini* (Krenkel)

Hypotypes 4970, 4978, 24527-24529

McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 26, pl. 4, figs. 4A, B, 5A, B.

Haida Formation, Lower Cretaceous, north shore Cumshewa Inlet and Skidegate Inlet, Queen Charlotte Islands, British Columbia.

*Tetragonites subtimotheanus haidaensis* McLearn
Holotype 21176; paratypes 21177, 21178, 24526
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 24, pl. 4, figs. 3, 6A, B; pl. 34, figs. 1A-C.
Haida Formation, Lower Cretaceous, west side and eastern end Newcombe Bay, northeast shore Maude Island; north shore Lina Island; and Bearskin Bay east of Queen Charlotte townsite, Graham Island, Queen Charlotte Islands, British Columbia.

*Tmetoceras* cf. *T. scissum* (Benecke)
Hypotypes 22713-22718
Frebold, H., in Frebold, H., Tipper, H.W., and Coates, J.A., 1969, Geol. Surv. Can., Paper 67-10, p. 21, pl. 1, figs. 1-5.
Middle Jurassic, about 300 yards north of junction Blue Creek and Yalakom River, lat. 51°02'15"N, long. 121°27'35"W [ 22713] and east bank Yalakom River about 1 mile north of Blue Creek, lat. 51°02'20"N, long. 121°27'30"W [ 22717, 22718] , Taseko Lakes area, and divide section between Twentysix Mile Creek and upper Skagit River, Manning Park area, British Columbia.

*Tollie (Subcraspedites)* aff. *analogus* (Bogoslovsky)
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 23, figs. 10a, b [ hypotype 17138] .

*Tollia (Tollia) tolli* var. *latelobata* Pavlow
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 23, figs. 12a, b [ hypotype 17167] .

*Tollia (Tollia)* cf. *paucicostata* (Donovan) var.
= *Tollia (Tollia) paucicostata* (Donovan) var., Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 23, figs. 8a, b [ hypotype 16626] .

*Tompophiceras extremum* (Spath)
Hypotype 22738
Tozer, E.T., 1969, Geol. Mag., vol. 106, no. 4, pl. 16, figs. g-j.
Blind Fiord Formation, Lower Triassic, 12.8 km northwest of head of Blind Fiord, Ellesmere Island, Arctic.

*Toricellites*? *spinosum* Frebold
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 20, fig. 7 [ paratype 14710] .

*Trachyceras canadense* Whiteaves
= *Daxatina canadensis*, Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 17, figs. 21a, b [ holotype 4718] .

*Trachyceras* sp.
= *Trachyceras obesum*, Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 93, pl. 9, figs. 1a, b [ holotype 14311]

*Tropaeum* n. sp. aff. *arcticum* (Stolley)
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 25, figs. 12a, b [ hypotype 17322] .

*Tropidoceras actaeon* (d'Orbigny)
Hypotypes 25148-25150
Frebold, H., 1970, Can. J. Earth Sci., vol. 7, no. 2, pt. 1, p. 440, pl. 2, figs. 13a-15b.
Maude Formation, Lower Jurassic, Ells Bay, Maude Island, Queen Charlotte Islands, British Columbia.

*Tropidoceras* sp.
Fig. specs. 25161, 25163
Frebold, H., 1970, Can. J. Earth Sci., vol. 7, no. 2, pt. 1, p. 441, pl. 2, figs. 16, 17.
Maude Formation, Lower Jurassic, Ells Bay, Maude Island, Queen Charlotte Islands, British Columbia.

*Tropites dilleri* Smith
Hypotypes 18907-18909
Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, p. 33, pl. 9, figs. 4, 5.
Grey beds, Upper Triassic, Toad River area, northeastern British Columbia.

*Tropites johnsoni* Smith
Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 18, figs. 5a, b [ hypotype 14243 ].

*Tropites* sp. aff. *T. welleri* Smith
Hypotype 18910
Tozer, E.T., 1967, Geol. Surv. Can., Bull. 156, pl. 9, figs. 6a, b.
Pardonet Formation, Upper Triassic, hill south of Mile Post 427, Alaska Highway, northeastern British Columbia.

*Turrilites carlottensis* (Whiteaves)
= *Pseudhelicoceras carlottense*, McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 36, pl. 34, fig. 2 [ hypotype 5004 ].

*Turrilites* sp.
Fig. spec. 21195
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 39, pl. 5, fig. 2.
Haida Formation, Lower Cretaceous, Bearskin Bay west of Queen Charlotte townsite, Graham Island, Queen Charlotte Islands, British Columbia.

*Uptonia* cf. *U. dayiceroides* Mouterde
Hypotype 20339
Frebold, H., 1970, Can. J. Earth Sci., vol. 7, no. 2, pt. 1, p. 438, pl. 1, figs. 9a-c.
Maude Formation, Lower Jurassic, Ells Bay, Maude Island, Queen Charlotte Islands, British Columbia.

*Uraloceras involutum* (Voinova)
Hypotypes 25660, 25661
Nassichuk, W.W., 1971, J. Pal., vol. 45, no. 6, p. 1016, pl. 124, figs. 1, 2; text-fig. 11.
Jungle Creek Formation, Permian, 5.1 miles southwest of mouth of Hart River, lat. 65°49'30"N, long. 136°33'W, Peel River, Yukon.

*Uraloceras* cf. *U. irwinense* Teichert and Glenister
Hypotype 25518
Nassichuk, W.W., 1971, J. Pal., vol. 45, no. 6, p. 1015, pl. 126, figs. 6; text-fig. 10.
Jungle Creek Formation, Permian, south bank of Peel River, 6.2 miles east of confluence of Peel and Hart Rivers, lat. 65°52'24"N, long. 136°10'30"W, Yukon.

*Uraloceras* sp.
Fig. spec. 25663
Nassichuk, W.W., 1971, J. Pal., vol. 45, no. 6, p. 1018, pl. 125, figs. 1, 2; text-fig. 72.
Ishbel Group, Permian, boulder in bed of Ferrier Creek, near Fernie, British Columbia.

?*Uraloceras* sp.
Fig. spec. 25664
Nassichuk, W.W., 1971, J. Pal., vol. 45, no. 6, p. 1018, pl. 126, fig. 5.
Jungle Creek Formation, Permian, south bank of Peel River, 6 miles east of confluence of Peel and Hart Rivers, lat. 65°52'24"N, long. 136°10'30"W, Yukon.

*Ussurites arthaberi* var. *cameroni* McLearn
McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 54, pl. 13, figs. 3a, b [ holotype 6694], 4a, b [ paratype 6445]; text-fig. 29.

*Ussurites arthaberi* var. *cameroni* McLearn
Hypotype 21734
McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 54, pl. 13, figs. 5a, b.
Toad Formation, Middle Triassic, east of Mile Post 378, Alaska Highway, British Columbia.

*Ussurites muskwa* McLearn
McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 53, pl. 13, fig. 1a, b [ holotype 6444].

*Ussurites muskwa* McLearn
Hypotype 21733
McLearn, F.H., 1969, Geol. Surv. Can., Bull. 170, p. 53, pl. 13, figs. 2a, b; text-fig. 28.
Toad Formation, Middle Triassic, south side of Chischa River, 6 miles above Muskwa River, British Columbia.

*Warrenoceras rierdonense* (Imlay)
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 20, fig. 5 [ hypotype 14693].

*Watinoceras* cf. *coloradoense* (Henderson)
Hypotype 21839
Jeletzky, J.A., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 26, figs. 4a, b.
Upper Cretaceous, Tuskoola Mountain, British Columbia.

*Witchellia*? sp. indet.
Fig. specs. 22871, 22872
Frebold, H., in Frebold, H., Tipper, H.W., and Coates, J.A., 1969, Geol. Surv. Can., Paper 67-10, p. 25, pl. 4, figs. 6, 7.
Middle Jurassic, Kuyakuz Mountain, Nechako River area and on ridge in centre of Relay Creek valley, 1 3/4 miles southwest of Relay Mountain, lat. 51°06'55"N, long. 123°01'40"W, Taseko Lakes area, British Columbia.

*Xenoceltites subevolutus* Spath
Tozer, E.T., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 16, figs. 15a, b [ hypotype 14303 ].

*Yakounites mcevoyi* McLearn
= *Kepplerites mcevoyi*, Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 20, fig. 10 [ holotype 5018 ].

*Zelandites* cf. *inflatus* Matsumoto
Hypotype 21199
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 41, pl. 16, figs. 1A, B.
Haida Formation, Lower Cretaceous, Bearskin Bay, Queen Charlotte townsite area, Graham Island, Queen Charlotte Islands, British Columbia.

*Zelandites* cf. *perezi* McLearn
Hypotype 21198
McLearn, F.H., 1972, Geol. Surv. Can., Bull. 188, p. 41, pl. 16, figs. 5A, B.
Haida Formation, Lower Cretaceous, Bearskin Bay, Queen Charlotte townsite area, Graham Island, Queen Charlotte Islands, British Columbia.

*Zemistephanus funteri* McLearn
Frebold, H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 20, fig. 3 [ holotype 9007 ].

*Zemistephanus richardsoni* (Whiteaves)
Hypotype 22705
Frebold, H., in Frebold, H., Tipper, H.W. and Coates, J.A., 1969, Geol. Surv. Can., Paper 67-10, p. 25, pl. 2, fig. 1, pl. 4, fig. 1.
Dewdney Creek Group, Middle Jurassic, Lookout section northeast of Pinewoods Manning Park area, British Columbia.

## INCERTAE SEDIS

*Circotheca* sp.
Fig. spec. 18066
Cowie, J.W., 1968, Geol. Surv. Can., Bull. 163, p. 24, pl. 3, fig. 12.
Police Post Formation, Lower Cambrian, ravine behind abandoned R.C.M.P. post, lat. 79°05'N, long. 74°45'W, Bache Peninsula, Ellesmere Island, Arctic.

*Climacoconus batteryensis* (Twenhofel)
Hypotype 29594
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 3, fig. 12.
Vauréal Formation, Upper Ordovician, Battery Point coastal section east of Salmon River, Anticosti Island, Quebec.

*Conularia planicostata* Dawson
Hypotype 21767
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 14, fig. 3.
Windsor Formation, Mississippian, shore of Bras d'Or Lake, Irish Cove, Cape Breton, Nova Scotia.

*Conularia trentonensis* Hall
Hypotype 21985
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 9, fig. 6.
Middle Ordovician, Lakefield quarry, Ontario.

*Eoconularia* n. sp.
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photo 34 [ hypotype 20478 ].

*Hyolithes alatus* Whiteaves
= *Mastigospira alata*, McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, fig. 9 [ syntype 4099a ].

*Hyolithes* cf. *baconi* Whitfield
Hypotypes 22384-22388
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 22, pl. 10, figs. 10-14.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Hyolithes* sp. indet. 1, 2

Fig. specs. 18064, 18065

Cowie, J.W., 1968, Geol. Surv. Can., Bull. 163, p. 23, pl. 3, figs. 10, 11.

Police Post and Scoresby Bay Formations, Lower Cambrian, ravine behind abandoned R.C.M.P. post, lat. 79°05'N, long. 74°45'W, Bache Peninsula and 22½ miles from head of Irene Bay on a bearing N20°E, about lat. 79°21'N, long. 80°07'W, Ellesmere Island, Arctic.

*Hyolithes* sp.

Fig. spec. 21357

Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 2, fig. 2.

Cathedral Formation, Middle Cambrian, Mount Bosworth, Alberta-British Columbia.

*Salterella pulchella* Billings

= *Salterella* sp., Frtz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 1, fig. 12 [ fig. spec. 410] .

## ARTHROPODA - TRILOBITA

?*Acanthopyge* sp.
Fig. spec. 18243
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 173, p. 127, pl. 17, figs. 8, 9.
Blue Ford Formation, Middle Devonian, lat. 72°48'N, long. 117°46'W, largest of Princess Royal Islands, Arctic.

*Acernaspis orestes* (Billings)
Hypotypes 29690, 29691
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 8, figs. 18, 25.
Jupiter Formation, Middle Silurian, Jupiter River fire tower road approximately 2½ miles south of junction with road to 12-mile lodge, Anticosti Island, Quebec.

*Acernaspis* sp.
Fig. specs. 30473, 30474
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 8, figs. 5, 6.
Thornloe Formation, Middle Silurian, northwestern point Mann Island, Lake Timiskaming, Quebec.

*Achatella billingsi* Sinclair
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 9, fig. 26 [ holotype 13275].

*Agnostus Acadicus* Hartt
Syntypes 30178, 30179
Hartt, C.F., in Dawson, J.W., 1868, Acadian Geology, 2nd edition, p. 655.
Walcott, C.D., 1884, U.S. Geol. Surv., Bull. 10, p. 22, pl. 2, figs. 2a, b.
Cambrian, St. John, New Brunswick.

*Albertella* sp.
Fig. spec. 21373
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 2, fig. 19.
Cathedral Formation, Middle Cambrian, Mount Thompson, Alberta.

*Amecephalus* sp.
Fig. spec. 21374
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 2, fig. 20.
Middle Cambrian, Mount Assiniboine, Alberta-British Columbia.

*Americare*? sp.
Fig. spec. 24617
Fritz, W.H., Kindle, C.H., and Lespérance, P.J., 1970, Geol. Surv. Can., Bull. 187, p. 51, pl. 8, figs. 18-20.
Corner-of-the-Beach Formation, Middle Cambrian, railway cut 2.5 miles west of Highway 6, Corner-of-the-Beach, Gaspé, Quebec.

*Amphilichas* n. sp. aff. *A. borealis* Twenhofel
Hypotypes 29611, 29612
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 4, figs. 14, 18.
Ellis Bay Formation, Upper Ordovician, first logging road to the west, south of Loon Lake, and road south from Lake Faure at top of rise on south bank of Baleine River, Anticosti Island, Quebec.

*Amphilichas* sp.
Fig. specs. 29116, 29117
Dean, W.T., 1971, Geol. Surv. Can., Bull. 210, p. 20, pl. 6, figs. 4, 6.
Summerford Group, Middle Ordovician, Squid Cove, New World Island, Newfoundland.

*Amphilichas*(?) sp.
Fig. spec. 27667
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A., and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. A, fig. 7.
Gull River Formation, Middle Ordovician, small quarry on west side of railroad immediately west of McGregor Bay railroad-highway crossing, Ontario.

*Ampyx* sp.
Fig. specs. 29093-29095
Dean, W.T., 1971, Geol. Surv. Can., Bull. 210, p. 3, pl. 1, figs. 3, 5, 6.
Summerford Group, Middle Ordovician, Squid Cove, New World Island, Newfoundland.

*Anchiopsis anchiops* (Green)
Hypotype 25933, a
Lespérance, P.J. and Bourque, P.A., 1971, J. Pal., vol. 45, no. 2, p. 203, pl. 27, figs. 2, 3.
Grande Grève Formation, Lower Devonian, along sea shore approximately 900 feet southeast of breakwater at Grande Anse, Gaspé, Québec.

*Anchiopsis* sp. aff. *Anchiopsis anchiops*(Green)
Hypotype 25932
Lespérance, P.J. and Bourque, P.A., 1971, J. Pal., vol. 45, no. 2, p. 205, pl. 27, fig. 4.
Grande Grève or York Lake Formation, Lower Devonian, Miner Brook, Dunière tp., Gaspé, Québec.

*Ancyropyge arcticus* Ormiston
Holotype 18101; paratypes 18100, 18102-18111
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 42, pl. 2, figs. 1-11; pl. 3, figs. 1-5.
Blue Fiord Formation, 315 feet above base, Middle Devonian, lat. 76°18'N, long. 99°12'W, Twilight Creek, Bathurst Island, Arctic.

*Ancyropyge manitobensis* (Whiteaves)
Hypotypes 18112, 18113
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 46, pl. 3, figs. 6-8.
Bird Fiord Formation, 390 feet above base, Middle Devonian, lat. 76°18'N, long. 99°12'W, Twilight Creek, Bathurst Island, Arctic.

*Antagmus truncatus* Fritz
Holotype 27443; paratypes 27439-27442, 27444
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 40, pl. 19, figs. 1-10.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Aphelaspis* sp.
Fig. specs. 21385, 21386
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 3, figs. 12, 13.
Upper Cambrian, Highway 1, mile-post 15, west of Field, British Columbia.

*Araiopleura beothuk* Dean
Holotype 25877; paratypes 25869, 25872, 25874-25877
Dean, W.T., 1970, Geol. Surv. Can., Paper 70-19, p. 2, pl. 1, figs. 1, 5, 7-11.
Clarenville Formation, Lower Ordovician, about 150 yards south of stream - mouth at Elliott's Cove, Random Island, Newfoundland.

*Arctinurus canadensis* (Billings)
Hypotypes 29694a, 29729
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 9, fig. 8; pl. 11, fig. 11.
Jupiter Formation, Middle Silurian, Rock Pool cliff, Jupiter River, and Wreck Bay, first section northeast of raised lake, Anticosti Island, Quebec.

*Arctinurus* sp.
Fig. spec. 29652
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 7, fig. 1.
Becscie Formation, Middle Silurian, south bank Jupiter River, approximately 1½ miles downriver from 24-mile lodge, Anticosti Island, Quebec.

*Asaphiscus* sp.
Fig. spec. 24618
Fritz, W.H., Kindle, C.H., and Lespérance, P.J., 1970, Geol. Surv. Can., Bull. 187, p. 51, pl. 9, figs. 1, 2.
Corner-of-the-Beach Formation, Middle Cambrian, railway cut 2.5 miles west of Highway 6, Corner-of-the-Beach, Gaspé, Quebec.

*Asiocephalus indigator* Palmer
Holotype 20314; paratypes 20315-20319
Palmer, A.R., 1968, U.S. Geol. Surv., Prof. Paper 559-B, p. 83, pl. 13, figs. 17-22.
Late Cambrian, skyline section north of McCann Hill, south of Tatonduk River, Hillard Peak area, International Yukon - Alaska Boundary.

*Astycoryphe arcticus* Ormiston
Holotype 18233; paratypes 18231, 18232
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 119, pl. 16, figs. 6-10.
Blue Fiord Formation, upper 200 feet, Middle Devonian, lat. 77°35'N, long. 83°46'W, southeast Svendsen Peninsula, Ellesmere Island, Arctic.

*Astycoryphe cimelia* Ormiston
Holotype 18227; paratype 18228
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 118, pl. 15, figs. 11-13; pl. 16, figs. 1-3.
Blue Fiord Formation, 500 feet above base, Middle Devonian, lat. 76°12'N, long. 98°58'W, Cut Through Creek, Bathurst Island, Arctic.

*Astycoryphe* aff. *A. cimelia* Ormiston
Hypotypes 18229, 18230
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 118, pl. 16, figs. 4, 5.
Middle Devonian, lat. 72°48'N, long. 117°46'W, largest of Princess Royal Islands, Arctic.

*Atractopyge condylosa* Dean
Holotype 29119; paratypes 29120-29123
Dean, W.T., 1971, Geol. Surv. Can., Bull. 210, p. 12, pl. 3, figs. 1-5, 7, 10.
Summerford Group, Middle Ordovician, Squid Cove, New World Island, Newfoundland.

*Aulacopleura (Paraaulacopleura)* cf. *beyrichi* (Novak)
Hypotypes 18247/1-6
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 123, pl. 17, figs. 14, 16-19.
Eids Formation, basal 90 feet, Lower Devonian, lat. 76°18'N, long. 99°12'W, Twilight Creek, Bathurst Island, Arctic.

*Bailiaspis howelli* Hutchinson
= *Bailiaspis*? sp., Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 3, fig. 16 [ fig. spec. 12033 ].

*Baltagnostus marginalis*? (Rasetti)
Hypotypes 24609, 24610
Fritz, W.H., Kindle, C.H., and Lespérance, P.J., 1970, Geol. Surv. Can., Bull. 187, p. 48, pl. 8, figs. 1-6.
Corner-of-the-Beach Formation, Middle Cambrian, railway fill and cut 2.5 miles west of Highway 6, Corner-of-the-Beach, Gaspé, Québec.

*Bathyuriscidella*? sp. 1
Fig. spec. 24612
Fritz, W.H., Kindle, C.H., and Lespérance, P.J., 1970, Geol. Surv. Can., Bull. 187, p. 49, pl. 8, figs. 8, 9.
Corner-of-the-Beach Formation, Middle Cambrian, railway cut 2.5 miles west of Highway 6, Corner-of-the-Beach, Gaspé, Québec.

?*Bathyuriscidella* sp. 2
Fig. spec. 24611
Fritz, W.H., Kindle, C.H., and Lespérance, P.J., 1970, Geol. Surv. Can., Bull. 187, p. 49, pl. 8, fig. 7.
Corner-of-the-Beach Formation, Middle Cambrian, railway cut 2.5 miles west of Highway 6, Corner-of-the-Beach, Gaspé, Québec.

*Bathyuriscus* sp.
Fig. spec. 21395
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 2, fig. 12.
*Ogygopsis* Shale, Middle Cambrian, Mount Stephen, British Columbia.

*Bathyurus acutus* Raymond
Ross, R.J., Jr., 1970, U.S. Geol. Surv., Prof. Paper 639, p. 86, pl. 16, figs. 1, 2 [ paratype 7821a ], 3-5 [ holotype 7821 ].

*Bathyurus superbus* Raymond
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 4, fig. 1 [ syntype 7422a ].

*Bellefontia* sp.
Fig. specs. 20435, 20436
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 5, figs. 29, 30.
Kechika Group, Lower Ordovician, Leu Creek, British Columbia.

*Bergamia* sp. nov.
Fig. specs. 29096-29110, 29157
Dean, W.T., 1971, Geol. Surv. Can., Bull. 210, p. 5, pl. 1, figs. 4, 7-9; pl. 2, figs. 1-11; pl. 3, fig. 8.
Summerford Group, Middle Ordovician, Squid Cove, New World Island, Newfoundland.

*Bolaspidella cloudi* (Kindle)
Hypotypes 24624-24626
Fritz, W.H., Kindle, C.H., and Lespérance, P.J., 1970, Geol. Surv. Can., Bull. 187, p. 54, pl. 9, figs. 11-15.
Corner-of-the-Beach Formation, Middle Cambrian, railway cut 2.5 miles west of Highway 6, Corner-of-the-Beach, Gaspé, Québec.

*Bolboparia canadensis* Rasetti
Hypotype 10563
Rasetti, F., 1967, Smithsonian Misc. Coll., vol. 152, no. 4, p. 42, pl. 2, figs. 13, 14.
Lower Cambrian, ½ mile north of Elgin Station, L'Islet county, Quebec.

*Bonnia columbensis* Resser
Hypotypes 27426-27434
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 32, pl. 18, figs. 1-13.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'N, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Bonnia laterispina* Fritz
Holotype 27384; paratypes 27383, 27385-27387
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 33, pl. 15, figs. 1-7.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Bonnia* sp.
Fig. specs. 21353, 21354
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 1, figs. 8, 9.
Peyto Formation, Lower Cambrian, Chaba River, British Columbia.

*Bonnia* sp. 1-3
Fig. specs. 27380-27382, 27414, 27415, 27423-27425
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 34, 35, pl. 15, figs. 15-18; pl. 16, figs. 16-18; pl. 17, figs. 8-12.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Bonniopsis* sp.
Fig. specs. 18054-18057
Cowie, J.W., 1968, Geol. Surv. Can., Bull. 163, p. 20, pl. 3, figs. 1-5.
Police Post Formation, Lower Cambrian, ravine behind abandoned R.C.M.P. post, lat. 79°05'N, long. 74°45'W, Bache Peninsula, Ellesmere Island, Arctic.

*Brabbia pustulomarginata* Palmer
Paratype 20300
Palmer, A.R., 1968, U.S. Geol. Surv., Prof. Paper 559-B, p. 84, pl. 11, fig. 10.
Late Cambrian, skyline section north of McCann Hill, south of Tatonduk River, Hillard Peak area, International Yukon - Alaska Boundary.

*Brachyaspis*(?) *alacer* (Billings)
Hypotype 29583
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 2, fig. 10.
Vauréal Formation, Upper Ordovician, main road (1966) on west side of west branch of small creek flowing northward into Squaw Cove, Anticosti Island, Quebec.

*Brachyaspis*(?) *notans* (Billings)
Hypotype 29585
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 2, fig. 12.
Vauréal Formation, Upper Ordovician, Oil River east bank, second section downriver from junction of east branch, Anticosti Island, Quebec.

*Bradyfallotaspis fusa* Fritz
Holotype 27226; paratypes 27227, 27228
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 20, pl. 3, figs. 1-7.
Sekwi Formation, Lower Cambrian, 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Bradyfallotaspis patula* Fritz
Holotype 27256; paratypes 27257-27260
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 20, pl. 6, figs. 1-9.
Sekwi Formation, Lower Cambrian, 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Bradyfallotaspis* sp. 1, 2
Fig. specs. 27223, 27247
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 21, pl. 2, figs. 14, 15; pl. 4, , figs. 14-16.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Briscoia* sp.
Fig. specs. 21375, 21376
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 3, figs. 1, 2.
McKay Formation, Upper Cambrian, 3 miles west of Donald, British Columbia.

*Bronteopsis* sp.
Fig. spec. 29146
Dean, W.T., 1971, Geol. Surv. Can., Bull. 210, p. 19, pl. 5, fig. 9.
Summerford Group, Middle Ordovician, Squid Cove, New World Island, Newfoundland.

*Bumastus (Bumastoides) milleri* (Billings)
Hypotype 22562
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 41, pl. 17, fig. 16.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Bumastus* sp.
Fig. spec. 23587
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photo 40.
Amabel Formation, Middle Silurian, main highway Tehkummah - Providence Bay, 1 mile east of Hughson Creek, Manitoulin Island, Ontario.

*Calodiscus theokritoffi* Rasetti
Holotype 10564
Rasetti, F., 1967, Smithsonian Misc. Coll., vol. 152, no. 4, p. 44, pl. 2, figs. 16-18.
Lower Cambrian, ½ mile north of Elgin Station, L'Islet County, Quebec.

*Calyptaulax occidentalis* Twenhofel
Hypotypes 29581, 29643
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 2, fig. 8; pl. 6, fig. 6.
Vauréal and Ellis Bay Formation, Upper Ordovician, base of last rise on main highway east of Oil River bridge, and Ste. Marie River road approximately halfway up escarpment southwest of south end of Petit Lac Ste. Marie, Anticosti Island, Quebec.

*Calyptaulax* sp.
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 5, figs. 15, 16 [ fig. specs. 16872, 16873 ].

*Calyptaulax* sp.
Fig. spec. 21982
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 9, figs. 21, 22.
Middle Ordovician, Lakefield quarry, Ontario.

*Carrickia* cf. *C. pelagia* Tripp
Hypotype 29125
Dean, W.T., 1971, Geol. Surv. Can., Bull. 210, p. 15, pl. 5, fig. 11.
Summerford Group, Middle Ordovician, Squid Cove, New World Island, Newfoundland.

*Cedaria* sp.
Fig. spec. 21394
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 3, fig. 24.
Upper Chancellor or lower Ottertail Formation, Upper Cambrian, Wolverine Pass, British Columbia.

*Ceratarges* sp.
Fig. specs. 18239-18241
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 125, pl. 16, figs. 2-5, 7.
Blue Fiord Formation, upper 200 feet, Middle Devonian, lat. 77°35'N, long. 83°46'W, 16 miles north of southwest corner Svendsen Peninsula, 4½ miles inland from the shore, Ellesmere Island, Arctic.

?*Ceratarges* sp.
Fig. spec. 18242
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 127, pl. 17, fig. 6.
Stuart Bay Formation, 400 feet above base, Lower Devonian, lat. 76°18'N, long. 99°12'W, Twilight Creek, Bathurst Island, Arctic.

?*Ceratarges* sp.
Fig. spec. 24272
Ormiston, A.R., 1971, Geol. Surv. Can., Bull. 192, p. 37, pl. 4, fig. 3.
Michelle Formation, Lower Devonian, ridge east of Hart River, lat. 65°23'N, long. 137°07'W, Yukon.

*Ceraurus pleurexanthemus* Green
Hypotype 21980
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 9, fig. 18.
Middle Ordovician, Lakefield quarry, Ontario.

*Ceraurus pleurexanthemus* Green
Hypotype 22563
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 41, pl. 17, figs. 1, 2.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Ceraurus* sp.
Fig. spec. 29574
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 2, fig. 1.
Vauréal Formation, Upper Ordovician, Oil River, west bank at first bend above mouth, Anticosti Island, Quebec.

*Chasmops anticostiensis* Twenhofel
Hypotypes 29605, 29635
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 4, figs. 6, 11; pl. 5, fig. 18.
Ellis Bay Formation, Upper Ordovician, Junction Cliff, and Becscie River road, 3.7 miles south of west branch Becscie River crossing, Anticosti Island, Quebec.

*Cheirurus niagarensis* (Hall)
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 7, fig. 14 [ hypotype 17969 ].

*Cheirurus pompilius* Billings
= *Ceraurinella pompilius*, Shaw, F.C., 1968, New York State Mus. Sci. Service, Mem. 17, p. 73, pl. 15, figs. 22, 23 [ holotype 1317 ].

*Cheirurus setyrus* Billings
= *Nieszkowskia? satyrus*, Shaw, F.C., 1968, New York State Mus. Sci. Service, Mem. 17, p. 81, pl. 13, figs. 6, 10 [ holotype 1087 ].

*Cheirurus* sp. aff. *C. welleri* Raymond
Hypotypes 30468, 30469
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 8, figs. 1, 2.
Thornloe Formation, Middle Silurian, northwestern point Mann Island, Lake Timiskaming, Quebec.

*Clelandia albertensis* Norford
Holotype 23617; paratypes 23618, 23619, 23621-23626
Norford, B.S., 1969, Geol. Surv. Can., Bull. 182, p. 8, pl. 1, figs. 15-18, 22-40.
Survey Peak Formation, 149-150 feet above base, Lower Ordovician, Mount Wilson North, lat. 52°02'N, long. 116°50'W, Alberta.

*Clelandia texana* Winston and Nicholls

Hypotypes 22889-22891, 23616

Norford, B.S., 1969, Geol. Surv. Can., Bull. 182, p. 7, pl. 1, figs. 4, 5, 8-10, 13, 14, 41; pl. 2, fig. 33.

Survey Peak Formation, 229 feet above base, Lower Ordovician, Mount Whiterose near Lyell Creek, lat. 51°56½'N, long. 117°14'W, British Columbia, and Chaba River, lat. 52°17'N, long. 117°47'W, Alberta-British Columbia border.

*Clelandia utahensis* Ross

Hypotypes 23614, 23615

Norford, B.S., 1969, Geol. Surv. Can., Bull. 182, p. 6, pl. 1, figs. 2, 3.

Survey Peak Formation, 450-456 feet above base, Lower Ordovician, Mount Wilson, lat. 52°N, long. 116°45'W, Alberta.

*Clelandia wilsoni* Norford

Holotype 22191; paratypes 22192-22199

Norford, B.S., 1969, Geol. Surv. Can., Bull. 182, p. 10, pl. 2, figs. 1-17.

Survey Peak Formation, 350-355 feet above base, Lower Ordovician, Mount Wilson, lat. 52°N, long. 116°45'W, Alberta.

*Clelandia* sp.

Fig. spec. 23620

Norford, B.S., 1969, Geol. Surv. Can., Bull. 182, p. 11, pl. 1, figs. 19-21.

Survey Peak Formation, 149-150 feet above base, Lower Ordovician, Mount Wilson North, lat. 56°02'N, long. 116°50'W, Alberta.

*Comanchia burlingi* Palmer

Holotype 20274; paratype 20273

Palmer, A.S., 1968, U.S. Geol. Surv., Prof. Paper 559-B, p. 84, pl. 9, figs. 26, 27.

Late Cambrian, skyline section north of McCann Hill, Hillard Peak area, south of Tatonduk River, International Yukon - Alaska Boundary.

*Concephalites Aurora* Hartt

Syntype 30180

Hartt, C.F., in Dawson, J.W., 1868, Acadian Geology, 2nd edition, p. 653.

Cambrian, Ratcliffe's millstream [ Ratcliffe Brook ], St. John region, New Brunswick.

= *Ptychoparia Ouangondiana* var. *Aurora*, Walcott, C.D., 1884, U.S. Geol. Surv., Bull. 10, p. 38, pl. 5, fig. 5 [ type ].

*Conocephalites Baileyi* Hartt

Syntype 30181

Hartt, C.F., in Dawson, J.W., 1868, Acadian Geology, 2nd edition, p. 645.

Cambrian, Ratcliffe's millstream [ Ratcliffe Brook ], St. John region, New Brunswick.

= *Conocoryphe (Salteria) Baileyi*, Walcott, C.D., 1884, U.S. Geol. Surv., Bull. 10, p. 32, pl. 4, fig. 3.

*Conocephalites Halli* Hartt
Syntype 30182
Hartt, C.F., in Dawson, J.W., 1868, Acadian Geology, 2nd edition, p. 654.
Cambrian, Ratcliffe's millstream [ Ratcliffe Brook ], St. John region, New Brunswick.

*Conocephalites Matthewi* Hartt
Syntype 30183
Hartt, C.F., in Dawson, J.W., 1868, Acadian Geology, 2nd edition, p. 646.
Cambrian, St. John, New Brunswick.
= *Conocoryphe* (Subgenus?) *Matthewi*, Walcott, C.D., 1884, U.S. Geol. Surv., Bull. 10, p. 28, pl. 4, fig. 1.

*Conocephalites Orestes* Hartt
Syntype 30184
Hartt, C.F., in Dawson, J.W., 1868, Acadian Geology, 2nd edition, p. 649.
Cambrian, Ratcliffe's millstream [ Ratcliffe Brook ], St. John region, New Brunswick.
= *Ptychoparia Orestes*, Walcott, C.D., 1884, U.S. Geol. Surv., Bull. 10, p. 39, pl. 5, fig. 3a [ type ].

*Conocephalites Ouangondianus* Hartt
Syntype 30185
Hartt, C.F., in Dawson, J.W., 1868, Acadian Geology, 2nd edition, p. 651, fig. 226(?).
Cambrian, Ratcliffe's millstream [ Ratcliffe Brook ], St. John region, New Brunswick.
= *Ptychoparia Ouangondiana*, Walcott, C.D., 1884, U.S. Geol. Surv., Bull. 10, p. 37, pl. 5, fig. 4e [ type ].

*Conocephalites quadratus* Hartt
Syntype 30186
Hartt, C.F., in Dawson, J.W., 1868, Acadian Geology, 2nd edition, p. 654.
Cambrian, Coldbrook, St. John region, New Brunswick.
= *Ptychoparia quadrata*, Walcott, C.D., 1884, U.S. Geol. Surv., Bull. 10, p. 39, pl. 5, fig. 1 [ type specimen ].

*Conocephalites Thersites* Hartt
Syntype 30187
Hartt, C.F., in Dawson, J.W., 1868, Acadian Geology, 2nd edition, p. 653.
Cambrian, Ratcliffe's millstream [ Ratcliffe Brook ], St. John region, New Brunswick.
= *Ptychoparia Orestes* var. *Thersites*, Walcott, C.D., 1884, U.S. Geol. Surv., Bull. 10, p. 40, pl. 5, fig. 2 [ type ].

*Conocorpyhe elegans* (Hartt)
Hypotype 30188
Walcott, C.D., 1884, U.S. Geol. Surv., Bull. 10, p. 31, pl. 4, fig. 2a.
Cambrian, Ratcliffe's millstream [ Ratcliffe Brook ], St. John region, New Brunswick.

*Conocoryphe terranovica* Resser
= *Conocoryphe*? sp., Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 3, fig. 17 [ fig. spec. 12025 ].

*Cornuproetus* (Subgenus?) cf. *C. haentzscheli* Alberti
Hypotypes 24266-24268
Ormiston, A.R., 1971, Geol. Surv. Can., Bull. 192, p. 33, pl. 3, figs. 16-21.
Michelle Formation, Lower Devonian, ridge about 1 mile east of Hart River, lat. 65°27'N, long. 137°W, and ridge 1 mile west-northwest of Hart River, lat. 65°38'N, long. 136°45'36"W, Yukon.

*Cornuproetus tozeri* Ormiston
Holotype 18144a, b (cast and mould); paratypes 18142, 18143/1 and 2, 18145
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 64, pl. 7, figs. 5-10.
Middle Devonian, lat. 72°48'N, long. 117°46'W, largest of Princess Royal Islands, Arctic.

*Crepicephalus* sp.
Fig. spec. 21393
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 3, fig. 23.
Sullivan? Formation, Upper Cambrian, Ram Range, Alberta.

*Cryptolithus bellulus* (Ulrich)
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 4, fig. 18 [ hypotype 18669 ].

*Cryptolithus lorettensis* Foerste
Whittington, H.B., 1968, J. Pal., vol. 42, no. 3, pt. 1, p. 705, pl. 87, figs. 1, 2, 4 [ holotype 10790 ].

*Cryptolithus lorettensis* Foerste
Hypotypes 1756, c
Whittington, H.B., 1968, J. Pal., vol. 42, no. 3, pt. 1, p. 705, pl. 88, figs. 3, 7, 10 [ 1756c ].
"Trenton Group", Middle Ordovician, Mile End, Montreal, Quebec.

*Cryptolithus lorettensis* Foerste
Hypotypes 21773-21808
Whittington, H.B., 1968, J. Pal., vol. 42, no. 3, pt. 1, p. 705, pl. 87, figs. 3, 5-10.
Lower Trenton, Middle Ordovician, right bank of river below upper falls [ 21773-21805 ] and old quarry near former Kent House hotel right bank at lower falls in Montmorency River, northeast of Quebec City, Quebec.

*Cryptolithus lorettensis* Foerste
Hypotypes 29159-29161, 29163, 29165, 29166, 29169-29175, 29177
Bertrand, R. and Lespérance, P.J., 1971, Mem. Bureau de Recherches Géol. Minières, no. 73, pl., figs. 1-5, 7, 10-16, 19, 20.
Middle Ordovician, north bank Montmorency River; Neuville Formation, west of wharf at Neuville; Montréal Formation, Carrières Saint-Dominique, Saint-Hyacinthe, and south bank of Prairies River, Montréal, Québec.

*Cryptolithus tessellatus* Green
Hypotype 1756b
Whittington, H.B., 1968, J. Pal., vol. 42, no. 3, pt. 1, p. 708, pl. 88, figs. 5, 6, 8.
"Trenton Group", Middle Ordovician, Mile End, Montréal, Québec.

*Cryptolithus tessellatus* Green
Hypotypes 29162, 29164, 29167, 29168, 29178
Bertrand, R. and Lespérance, P.J., 1971, Mem. Bureau de Recherches Géol. Minières, no. 73, pl., figs. 6, 8, 9, 21, 22.
Neuville Formation, Middle Ordovician, west of wharf at Neuville; Montréal Formation, Carrières Saint-Dominique, Saint-Hyacinthe, and south bank of Prairies River, Montréal, Québec.

*Cryptolithus tessellatus* Green
Hypotypes 29181-29184
Bertrand, R. and Lespérance, P.J., 1971, Mem. Bureau de Recherches Géol. Minières, no. 73, p. 38.
Martinsburg Shale, Middle Ordovician, route 910, 0.8 km north of Greenmount church, 8 km north of Harrisonburg, Rockingham co., Virginia, U.S.A.

*Cryptolithus tessellatus* and *C. lorettensis*
Hypotypes 29176, 29179, 29180
Bertrand, R. and Lespérance, P.J., 1971, Mem. Bureau de Recherches Géol. Minières, no. 74, pl., figs. 17, 18, 23, 24.
Montréal Formation, Middle Ordovician, south bank of Prairies River, Montréal, Québec; Glen Falls Formation, South Hero Island, Lake Champlain, Vermont, U.S.A.

*Cryptolithus* sp.
= *Cryptolithus tessellatus*, Whittington, H.B., 1968, J. Pal., vol. 42, no. 3, pt. 1, p. 708, pl. 89, figs. 5, 6, 12 [ hypotype 1773 ].

*Cryptolithus* sp.
Fig. spec. 1756a
Whittington, H.B., 1968, J. Pal., vol. 42, no. 3, pt. 1, pl. 88, fig. 4.
"Trenton Group", Middle Ordovician, Mile End, Montréal, Québec.

*Cryptolithus* sp. aff. *C. bellulus* (Ulrich)
Hypotypes 24585, 24586
Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 36, pl. 6, figs. 9, 10.
Vauréal Formation, Upper Ordovician, depths 2,863 and 2,884 feet, Lowlands Gamache Princeton Lake No. 1 well, southwest of south end of Princeton Lake, 9 miles northeast of Port Menier, Anticosti Island, Quebec.

*Cyphoniscus* cf. *socialis* Salter
Hypotype 30138
Dean, W.T., 1972, Can. J. Earth Sci., vol. 9, no. 4, p. 419, pl. 1, figs. 8, 11.
White Head Formation, Lower Silurian, anticlinal Rivière Saint Jean Gaspésie, Quebec.

*Cyrtodechenella macnairi* Ormiston
Holotype 18215
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 109, pl. 14, figs. 13, 14.
Middle Devonian, lat. 75°22'N, long. 117°20'W, canyon of a west-flowing stream, about 9 miles northwest of south end Drake Bay, Prince of Wales Island, Arctic.

*Dalmanites jupiterensis* Twenhofel
Hypotypes 29688, 29689
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 8, figs. 13, 24.
Jupiter Formation, Middle Silurian, western end of Cape Jupiter cliff, Anticosti Island, Quebec.

*Dalmanitina logani* (Hall)
= *Scotiella logani*, Shergold, J.H., 1967, Postilla, no. 112, p. 8, pl. 2, fig. 8 [ plaster cast of neotype 6210 ].

*Dalmanitina logani* var. *conservatrix* McLearn
= *Scotiella logani*, Shergold, J.H., 1967, Postilla, no. 112, pl. 2, fig. 5 legend [ plaster cast of hypotype 5999 ].

*Dechenella (Dechenella) algida* Ormiston
Holotype 18154; paratypes 18155-18157
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 74, pl. 8, figs. 5-11.
Bird Fiord Formation, 880 and 955 feet above base, Middle Devonian, lat. 76°18'N, long. 99°12'W, Twilight Creek, Bathurst Island, Arctic.

*Dechenella (Dechenella) bathurstensis* Ormiston
Holotype 18148; paratypes 18146, 18147, 18149-18151; hypotypes 18152, 18153
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 71, pl. 7, figs. 11-18; pl. 8, figs. 1-4.
Bird Fiord Formation, 760 feet above base, Middle Devonian, eastern and lat. 76°18'N, long. 99°12'W, Twilight Creek, Bathurst Island, Arctic.

*Dechenella (Dechenella) crepuscula* Ormiston
Holotype 18168; paratypes 18169, 18170
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 81, pl. 9, figs. 11-15.
Bird Fiord Formation, 622 feet above base, Middle Devonian, Twilight Creek, Bathurst Island, Arctic.

*Dechenella (Dechenella)* aff. *crepuscula* Ormiston
Hypotype 18171
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 81, pl. 9, fig. 16.
Bird Fiord Formation, Middle Devonian, Twilight Creek, Bathurst Island, Arctic.

*Dechenella (Dechenella) crista* Ormiston
Holotype 18161; paratypes 18162, 18163
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 78, pl. 9, figs. 1-4.
Bird Fiord Formation, 500 and 530 feet above base, Middle Devonian, Twilight Creek, Bathurst Island, Arctic.

*Dechenella (Dechenella) franklini* Ormiston
Holotype 18195/1; paratypes 18194, 18195/2
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 92, pl. 12, figs. 5-8.
Blue Fiord Formation, 440 feet above base, Middle Devonian, lat. 76°12'N, long, 98°58'W, Cut Through Creek, Bathurst Island, Arctic.

*Dechenella (Dechenella) franklini*? Ormiston
Hypotype 18193
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 91, pl. 12, figs. 3, 4.
Bird Fiord Formation, basal 50 feet, Middle Devonian, lat. 76°46'N, long. 93°47'W, Tucker Point anticline, Grinnell Peninsula, Devon Island, Arctic.

*Dechenella (Basidechenella) laticaudata* Ormiston
Holotype 18206; paratypes 18205, 18207, 18208
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 101, pl. 13, figs. 12-15; pl. 14, fig. 1.
Middle or Lower Devonian, about 20 miles northeast of Drake Bay, lat. 74°43'N, long. 180°26'W, Prince of Wales Island, Arctic.

*Dechenella (Dechenella) maclareni* Ormiston
Holotype 18174; paratypes 18173, 18175, 18178; hypotypes 18172, 18176, 18177
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 82, pl. 9, fig. 17; pl. 10, figs. 1-10.
Blue Fiord Formation, 270 and 315 feet above base, Middle Devonian, lat. 76°18'N, long. 99°12'W, Twilight Creek, Bathurst Island, Arctic.

*Dechenella (Pedinodechenella) melvillensis* Ormiston
Holotype 18203; paratype 18204
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 99, pl. 13, figs. 6-11.
"Blue Fiord" Formation, Middle Devonian, lat. 75°22'N, long. 117°20'W, south of Ibbett Bay, Melville Island, Arctic.

*Dechenella (Dechenella) neotesca* Ormiston
Holotype 18164/1; paratypes 18165-18167
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 79, pl. 9, figs. 5-10.
Bird Fiord Formation, 220 and 225-365 feet above base, Middle Devonian, Twilight Creek, Bathurst Island, Arctic.

*Dechenella (Dechenella) osborni* Ormiston
Holotype 18158; paratypes 18159, 18160
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 76, pl. 8, figs. 12-18.
Bird Fiord Formation, 375 feet above base, Middle Devonian, Twilight Creek, Bathurst Island, Arctic.

*Dechenella (Dechenella) paragranulata* Ormiston
Holotype 18182; paratypes 18180, 18181, 18183-18185
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 86, pl. 10, figs. 13-15; pl. 11, figs. 1-5, 7.
Blue Fiord Formation, 270 and 240 feet above base, Middle Devonian, lat. 76°18'N, long. 99°12'W, Twilight Creek, Bathurst Island, Arctic.

*Dechenella (Dechenella) paramaclareni* Ormiston
Holotype 18179
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 85, pl. 10, figs. 11, 12.
Blue Fiord Formation, 1,300 feet above base, Middle Devonian, lat. 77°15'N, long. 86°55'W, south side Eids Fiord, Ellesmere Island, Arctic.

*Dechenella (Dechenella)* cf. *planimarginata* (Meek)
Hypotype 18192
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 90, pl. 12, figs. 1, 2.
Blue Fiord Formation, 3,100 feet above base, Middle Devonian, lat. 77°12'N, long. 86°55'W, east of Blue Fiord, Ellesmere Island, Arctic.

*Dechenella (Dechenella) retusa* Ormiston
Holotype 18200
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 96, pl. 13, figs. 1, 2.
Blue Fiord Formation, Middle Devonian, lat. 73°10'N, long. 115°13'W, 16 miles southwest of Peel Point, northwestern Victoria Island, Arctic.

*Dechenella (Dechenella) spaekkassensis* (Tolmachoff)
Hypotypes 18196-18199/1-3
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 94, pl. 12, figs. 12-17.
Blue Fiord Formation, base and about 230 feet above base, Middle Devonian, 8 miles east of Blue Fiord, Ellesmere Island, Arctic.

*Dechenella (Dechenella)* n. sp. aff. *struvei* R. and E. Richter
Hypotypes 18201, 18202
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 98, pl. 13, figs. 3-5.
Melville Island Formation, Middle Devonian, lat. 75°22'N, long. 117°20'W, south of Ibbett Bay, Melville Island, Arctic.

*Dechenella (Dechenella) tesca* Ormiston
Holotype 18188; paratypes 18186, 18187, 18189-18191
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 88, pl. 11, figs. 6, 8-14.
Blue Fiord Formation, 395-420 feet above base, Middle Devonian, lat. 76°18'N, long. 99°12'W, Twilight Creek, Bathurst Island, Arctic.

*Dechenella* sp. indet.
Fig. spec. 18244
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 108, pl. 17, fig. 10.
Blue Fiord Formation, Middle Devonian, lat. 72°48'N, long. 117°46'W, largest of Princess Royal Island, Arctic.

*Dechenella (Dechenella)* sp.
Fig. spec. 23783
Dean, W.T., 1969, Geol. Surv. Can., Bull. 182, p. 52, pl. 10, figs. 1-4.
Landry Formation, Middle Devonian, 8 miles west of Godlin Lake, Sekwi map-area, lat. 63°47'N, long. 129°W, District of Mackenzie.

*Deltadechenella bathurstensis* Ormiston
Holotype 18213; paratypes 18209-18212, 18214
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 105, pl. 14, figs. 2-12.
Blue Fiord Formation, 481 and 440 feet above base, Middle Devonian, lat. 76°18'N, long. 99°12'W, Twilight Creek, Bathurst Island, Arctic.

*Diacalymene schucherti* (Twenhofel)
Hypotypes 29695, 29714, 29719
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 9, figs. 3, 9; pl. 10, figs. 12, 17.
Jupiter Formation, Middle Silurian, western end of Cape Jupiter cliff, first creek east of Cape Ottawa, and west bank Shallop River approximately 4.3 miles above mouth, Anticosti Island, Quebec.

*Diacalymene* sp.
Fig. specs. 30446, 30498, 30499
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 5, fig. 18; pl. 10, figs. 2, 6.
Thornloe Formation, Middle Silurian, northwestern point Mann Island, Lake Timiskaming, Quebec, and northeastern corner of Macnamara quarry, lot 6, con. VI, Armstrong tp., Ontario.

*Dimeropyge gibbus* Sinclair
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 9, fig. 16 [ paratype 6701 ].

*Drumaspis idahoensis* Resser
Hypotype 20305, 20306
Palmer, A.R., 1968, U.S. Geol. Surv., Prof. Paper 559-B, p. 85, pl. 13, figs. 1, 5.
Late Cambrian, skyline section north of McCann Hill, south of Tatonduk River, Hillard Peak area, International Yukon - Alaska Boundary.

*Drumaspis* sp.
Fig. spec. 21382
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 3, fig. 9.
Bison Creek Formation, Upper Cambrian, Chaba River 5 miles south of Fortress Lake, Jasper Park area, Alberta.

*Dytremacephalus* sp.
Fig. spec. 21384
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 3, fig. 11.
Lyell Formation, Upper Cambrian, Chaba River 5 miles south of Fortress Lake, Jasper Park area, Alberta.

*Elrathina* sp.
Fig. spec. 21356
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 2, fig. 1.
*Ogygopsis* Shale, Middle Cambrian, Mount Stephen, British Columbia.

*Encrinurus elegantulus* Billings
Hypotype 29716
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 10, fig. 14.
Jupiter Formation, Middle Silurian, west bank Shallop River, approximately 2.6 miles above mouth, Anticosti Island, Quebec.

*Encrinurus* cf. *E. princeps* Poulsen
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 8, fig. 14 [ hypotype 16903 ].

*Encrinurus* sp. cf. *E. ornatus* Hall and Whitfield
Hypotypes 30502-30505
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 10, figs. 7, 8, 12, 15.
Thornloe Formation, Middle Silurian, Macnamara quarry, lot 6, con. VI, Armstrong tp., Ontario.

*Encrinurus* sp.
Fig. specs. 30451, 30509
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 5, fig. 24; pl. 10, fig. 17.
Thornloe Formation, Middle Silurian, northwestern point Mann Island, Lake Timiskaming, Quebec, and northeastern corner Macnamara quarry, lot 6, con. VI, Armstrong tp., Ontario.

*Eophacopes orestes* (Billings)
Hypotype 17091
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 7, fig. 16.
Jupiter Formation, Middle Silurian, shore section 2 miles east of Cape MacGilvray, Anticosti Island, Quebec.

*Eurekia* sp.
Fig. specs. 21380, 21381
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 3, figs. 7, 8.
Mistaya Formation, Upper Cambrian, lat. 52°02'N, long. 116°50'W, Mount Wilson, Alberta.

*Fieldaspis*? *nahanniensis* Norford
Holotype 19893; paratypes 19889-19892, 19894-19896, 19898
Norford, B.S., 1968, Geol. Surv. Can., Bull. 163, p. 34, pl. 4, figs. 1, 8-10.
Middle Cambrian, east of Broken Skull River, lat. 62°21'N, long. 127°20'W, District of Mackenzie.

*Fieldaspis* cf. *F. superba* Rasetti
Hypotypes 19897, 19899-19901
Norford, B.S., Geol. Surv. Can., Bull. 163, p. 35, pl. 4, figs. 9, 11; pl. 5, figs. 1-3.
Middle Cambrian, east of Broken Skull River, lat. 62°21'N, long. 127°20'W, District of Mackenzie.

*Flexicalymene granulosa* (Foerste)
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming. L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 4, fig. 16 [ hypotype 18667 ].

*Flexicalymene senaria* (Conrad)
Hypotype 21983
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 9, figs. 26, 27.
Middle Ordovician, Lakefield quarry, Ontario.

*Flexicalymene* sp.
Fig. spec. 29573
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 1, fig. 19.
Vauréal Formation, Upper Ordovician, section parallel to coast near end of Havre du Brick road, Anticosti Island, Quebec.

*Fremontia* sp.
Fig. specs. 18047, 18048
Cowie, J.W., 1968, Geol. Surv. Can., Bull. 163, p. 17, pl. 2, figs. 4, 5.
Scoresby Bay Formation, Lower Cambrian, 22½ miles from head of Irene Bay on a bearing N20°E, about lat. 79°21'N, long. 80°07'W, Ellesmere Island, Arctic.

*Fremontia* sp.
Fig. spec. 21352
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 1, fig. 5.
Mahto Formation, Lower Cambrian, northeast base Mumm Peak above Mural Glacier, Alberta.

*Fuscinipyge applanata* Ormiston
Holotype 30014; paratypes 30015-30019; topotype 30013
Ormiston, A.R., 1972, J. Pal., vol. 46, no. 5, p. 672, pl. 1, figs. 11-17.
Nahanni Formation, Middle Devonian, Trench Lake section, lat. 62°30'30"N, long. 124°46'30"W, District of Mackenzie.

*Fuscinipyge inflata* Ormiston
Holotype 30020; paratype 30021
Ormiston, A.R., 1972, J. Pal., vol. 46, no. 5, p. 673, pl. 1, figs. 18-21.
Nahanni Formation, Middle Devonian, Trench Lake section, lat. 62°30'30"N, long. 124°46'30"W, District of Mackenzie.

*Fuscinipyge yolkini* Ormiston
Holotype 30009; paratypes 30010-30012
Ormiston, A.R., 1972, J. Pal., vol. 46, no. 5, p. 670, pl. 1, figs. 1-10.
Hume Formation, Middle Devonian, Carnwarth River, lat. 67°23'N, long. 127°44'W; left side of Powell Creek valley, lat. 65°16'30"N, long. 128°46'W; and west of Arctic Red River, lat. 65°23'N, long. 131°20'W, District of Mackenzie.

*Gelasene*? sp. 1
Fig. spec. 27290
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 51, pl. 8, figs. 21, 22.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

Genus and species undetermined 1, 8, 9
Fig. specs. 20265-20268
Palmer, A.R., 1968, U.S. Geol. Surv., Prof. Paper 559-B, pps. 101, 103, 104, pl. 6, figs. 21-23, 27.
Middle Cambrian, near 141st meridian between Porcupine and Yukon Rivers, Hillard Peak area, just east of International Yukon-Alaska Boundary.

Genus and Species undetermined
Fig. specs. 29118, 29145
Dean, W.T., 1972, Geol. Surv. Can., Bull. 210, p. 26, pl. 6, figs. 5, 8.
Summerford Group, Middle Ordovician, Squid Cove, New World Island, Newfoundland.

*Geragnostus* sp.
Fig. spec. 26245
Dean, W.T., 1970, Geol. Surv. Can., Paper 70-44, p. 2, pl. 1, fig. 1.
Lush's Bight Group, Lower Ordovician, west side of South Catcher Pond, near southwestern end, Newfoundland.

*Glossopleura* sp.
Fig. specs. 21359, 21360
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 2, figs. 4, 5.
Cathedral Formation, Middle Cambrian, Mount Assiniboine, British Columbia - Alberta.

*Glyptagnostus reticulatus* (Angelin)
Hypotype 20269
Palmer, A.R., 1968, U.S. Geol. Surv., Prof. Paper 559-B, p. 27, pl. 7, fig. 11.
Late Cambrian, skyline section north of McCann Hill, Hillard Peak area, south of Tatonduk River, International Yukon - Alaska Boundary.

*Harpes marcrocephalus* Goldfuss
Hypotypes 18116a, b, 18117, 18119
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 50, pl. 4, figs. 4-7.
Blue Fiord Formation, upper 200 feet and 315 feet above base, Middle Devonian, lat. 77°35'N, long. 83°46'W, southeastern Svendsen Peninsula, Ellesmere Island, and Twilight Creek, Bathurst Island, Arctic.

*Harpes ottawaensis* Billings
= *Hibbertia ottawaensis*, Shaw, F.C., 1968, New York State Mus. Sci. Service, Mem. 17, p. 54, pl. 6, fig. 8 [ holotype 329 ].
= *Selenoharpes ottawaensis*, Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 4, fig. 6 [ 329 ].

*Harpes* sp. indet.
Fig. specs. 18120, 18121
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 52, pl. 4, figs. 8, 9.
Middle Devonian, lat. 72°48'N, long. 117°46'W, northwest side of largest of Princess Royal Islands, Arctic.

*Harpides? desertus* Billings
= *Ischyrophyma deserta*, Dean, W.T., 1970, Geol. Surv. Can., Paper 70-44, p. 7, pl. 1, figs. 4, 8, 12 [ holotype 873 ].

*Hemiarges aeolus* Sinclair
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 9, fig. 24 [ holotype 13276 ].

*Hemiarges bigener* Bolton
= *Hemiarges* n. sp. A, Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 128, pl. 17, figs. 12, 13, 15 [ paratype 18245 ].

*Hemiarges paulianus* (Clarke)
Hypotypes 27668, 27669
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. A, figs. 8, 16.
Lindsay and Verulam Formations, Middle Ordovician, road-cut at south end of highway-railroad bridge, Little Current, Manitoulin Island, and road-cut north end of Goat Island, Ontario.

*Holasaphus centropyge* Matthew
Dean, W.T., 1971, Can. J. Earth Sci., vol. 9, no. 3, p. 269, pl. 1, figs. 3 [ hypotype 11202 ], 9 [ hypotype 11200 ].

*Holasaphus centropyge* Matthew
Hypotypes 30140-30145
Dean, W.T., 1972, Can. J. Earth Sci., vol. 9, no. 3, p. 269, pl. 1, figs. 1, 2, 4-6, 8.
MacMullin Formation, Middle Cambrian, Young's Point, 4 km west of mouth of George River, Cape Breton Island, Nova Scotia.

*Holmiella falcuta* Fritz
Holotype 27277; paratypes 27271-27276
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 26, pl. 7, figs. 7-17.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Holmiella preancora* Fritz
Holotype 27241; paratypes 27240, 27242-27246
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 25, pl. 4, figs. 1-13.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Hungaia burlingi* Palmer
Holotype 20301; paratypes 20302-20304
Palmer, A.R., 1968, U.S. Geol. Surv., Prof. Paper 559-B, p. 87, pl. 12, figs. 8-10, 13.
Late Cambrian, skyline section north of McCann Hill, south of Tatonduk River, Hillard Peak area, International Yukon - Alaska Boundary.

*Hypagnostus* sp.
Fig. specs. 21391, 21392
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 3, figs. 21, 22.
Sekwi Formation, Middle Cambrian, near June Lake, District of Mackenzie.

*Hypodicranotus striatulus* (Walcott)
Hypotype 21981
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 9, fig. 19.
Middle Ordovician, Lakefield quarry, Ontario.

*Illaenus americanus* (Billings)
Hypotype 21979
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 9, fig. 17.
Middle Ordovician, Lakefield quarry, Ontario.

*Illaenus globosus* Billings
= *Bumastus (Bumastus) globosus*, Shaw, F.C., 1968, New York State Mus. Sci. Service, Mem. 17, p. 45, pl. 17, figs. 20, 21 [ lectotype 1090b ], 22, 24 [ 1090 ].

*Illaenus* sp.
Fig. specs. 29136, 29138, 29140-29142
Dean, W.T., 1971, Geol. Surv. Can., Bull. 210, p. 23, pl. 5, fig. 6; pl. 7, figs. 6, 8-10.
Summerford Group, Middle Ordovician, Squid Cove, New World Island, Newfoundland.

*Illaenus (Parillaenus)* sp.
Fig. spec. 29137, 29139, 29143
Dean, W.T., 1971, Geol. Surv. Can., Bull. 210, p. 24, pl. 7, figs. 1-5.
Summerford Group, Middle Ordovician, Squid Cove, New World Island, Newfoundland.

*Inglefieldia* sp.
Fig. specs. 19902-19907
Norford, B.S., 1968, Geol. Surv. Can., Bull. 163, p. 36, pl. 5, figs. 4, 6-8; pl. 6, figs. 9, 10.
Middle Cambrian, east of Broken Skull River, lat. 62°21'N, long. 127°20'W, District of Mackenzie.

*Irvingella* sp.
Fig. spec. 21383
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 3, fig. 10.
McKay Formation, Upper Cambrian, Hughes Range, British Columbia-Alberta.

*Ischyrophyma marmorea* Dean
Holotype 26246; paratypes 26247, 26249-26251, 26253, 26254, 26256-26258
Dean, W.T., 1970, Geol. Surv. Can., Paper 70-44, p. 4, pl. 1, figs. 2, 3, 7, 9, 11, 13; pl. 2, figs. 1-3, 5, 7, 9, 10, 12, 13.
Lush's Bight Group, Lower Ordovician, west side of South Catcher Pond, near southwestern end, and northeastern shore of unnamed pond to the south, Newfoundland.

*Isotelus gigas* DeKay
Hypotype 21984
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 9, fig. 28.
Middle Ordovician, Lakefield quarry, Ontario.

*Isotelus* sp.
Fig. spec. 24607
Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 38, pl. 6, fig. 11.
'Trenton' Formation, Middle Ordovician, depth 3,431 feet, Lowlands Gamache Princeton Lake No. 1 well, southwest of south end of Princeton Lake, 9 miles northeast of Port Menier, Anticosti Island, Quebec.

*Isotelus* spp.
Fig. specs. 29596, 29649
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 3, fig. 14; pl. 6, fig. 15.
Vauréal and Ellis Bay Formations, Upper Ordovician, east side of Harvey Point, and Ste. Marie River road approximately half-way up escarpment southwest of south end of Petit Lac Ste. Marie, Anticosti Island, Quebec.

*Iwayaspis* cf. *I. asaphoides* Kobayashi
Hypotypes 20282, 20283
Palmer, A.R., 1968, U.S. Geol. Surv., Prof. Paper 559-B, p. 53, pl. 10, figs. 9, 10.
Late Cambrian, spur northeast of Hillard Peak, north of McCann Hill, south of Tatonduk River, International Yukon-Alaska Boundary.

*Jujuyaspis borealis* Kobayashi
Norford, B.S., 1969, Geol. Surv. Can., Bull. 182, p. 12, pl. 2, figs. 19, 22, 24 [ holotype 12727 ].

*Jujuyaspis borealis* Kobayashi
Hypotypes 22892-22899, 23610
Norford, B.S., 1969, Geol. Surv. Can., Bull. 182, p. 12, pl. 2, figs. 18-34.
Survey Peak Formation, 229 feet above base, Lower Ordovician, Mount Whiterose near Lyell Creek, lat. 51°56½'N, long. 117°14'W, British Columbia, and Chaba River, lat. 52°17'N, long. 117°47'W, Alberta-British Columbia border.

*Keeleaspis pustula* Fritz
Holotype 27268; paratypes 27269, 27270
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 51, pl. 7, figs. 1-6.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Keeleaspis stupenda* Frtiz
Holotype 27234; paratypes 27235-27239
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 50, pl. 3, figs. 15-23.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Kielania triabsidata* Ormiston
Holotype 25527; paratype 25528
Ormiston, A.R., 1971, Geol. Surv. Can., Bull. 197, p. 24, pl. 4, figs. 1-6, 9.
Lower Devonian, northwest coast of Lowther Island, Arctic.

*Kingstonioides primicaudus* Fritz, Kindle and Lespérance
Holotype 24620; paratypes 24619, 24621-24623
Fritz, W.H., Kindle, C.H., and Lespérance, P.J., 1970, Geol. Surv. Can., Bull. 187, p. 53, pl. 9, figs. 3-10.
Corner-of-the-Beach Formation, Middle Cambrian, railway cut 2.5 miles west of Highway 6, Corner-of-the-Beach, Gaspé, Québec.

*Kochiella mackenziensis* Norford
Holotype 19908; paratypes 19910-19916
Norford, B.S., 1968, Geol. Surv. Can., Bull. 163, p. 36, pl. 5, figs. 5, 9; pl. 6, figs. 1-8, 11.
Middle Cambrian, east of Broken Skull River, lat. 62°21'N, long. 127°20'W, District of Mackenzie.

*Kootenia diutina* Fritz

Holotype 27216; paratypes 27215, 27217-27222

Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 36, pl. 2, figs. 1-13.

Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Kormagnostus* sp.

Fig. specs. 21387, 21388

Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 3, figs. 14, 15.

Waterfowl-Sullivan Formations contact, Upper Cambrian, Mount Brussilof, British Columbia.

*Lacunoporaspis norrisi* Ormiston

Holotype 24255; paratypes 24256-24259, 24261, 24263; hypotypes 24260, 24262, 24264, 24265

Ormiston, A.R., 1971, Geol. Surv. Can., Bull. 192, p. 31, pl. 3, figs. 1-7, 9-15.

Michelle Formation, Lower Devonian, ridge east of Hart River, lat. 65°23'N, long. 137°07'W; ridge about 1 mile east of Hart River, lat. 65°27'30"N, long. 137°W; ridge 1 mile west-northwest of Hart River, lat. 65°38'N, long. 136°45'36"W; and southern end of Nahoni Range, lat. 65°29'N, long. 139°09'W, Yukon.

*Laudonia*? sp. 1

Fig. spec. 27303

Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 27, pl. 9, fig. 21.

Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Leiocoryphe* sp.

Fig. spec. 21379

Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 3, figs. 5, 6.

Mistaya Formation, Upper Cambrian, lat. 52°02'N, long. 116°50'W, Mount Wilson, Alberta.

*Leiostegium* sp.

Fig. specs. 20432, 20433

Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 5, figs. 21, 22.

Lower Ordovician, lat. 61°56'N, long. 126°37'30"W, Flat River area, Northwest Territories.

*Leiostegium* sp.

Fig. specs. 26252, 26255

Dean, W.T., 1970, Geol. Surv. Can., Paper 70-44, p. 3, pl. 2, figs. 4, 6, 8, 11.

Lush's Bight Group, Lower Ordovician, west side of South Catcher Pond, near southwestern end, Newfoundland.

*Lejopyge calva* Robinson

Hypotypes 20262, 20263

Palmer, A.R., 1968, U.S. Geol. Surv., Prof. Paper 559-B, p. 27, pl. 6, figs. 15, 16.

Middle Cambrian, near 141st meridian between Porcupine and Yukon Rivers, Hillard Peak area, just east of International Yukon-Alaska Boundary.

*Leonaspis (Kettneraspis) elliptica* (Burmeister)

Hypotypes 18122-18129

Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 53, pl. 5, figs. 1-8.

Blue Fiord Formation, 315 feet above base, Middle Devonian, lat. 76°18'N, long. 99°12'W, Twilight Creek, Bathurst Island and lat. 72°48'N, long. 117°46'W, largest of Princess Royal Islands, Arctic.

*Leonaspis (Kettneraspis) eremia* Ormiston

Holotype 18130

Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 56, pl. 6, figs. 1, 2.

Blue Fiord Formation, 1,011-1,161 feet above base, Middle Devonian, east of Blue Fiord, Ellesmere Island, Arctic.

*Leonaspis* aff. *L. eremia* Ormiston

Hypotype 24281

Ormiston, A.R., 1971, Geol. Surv. Can., Bull. 192, p. 35, pl. 4, figs. 16, 17.

Michelle Formation, Lower Devonian, ridge about 1 mile east of Hart River, lat. 65°27'30"N, long. 137°W, Yukon.

*Leonaspis* sp.

Fig. spec. 18131

Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 57, pl. 6, fig. 3.

Stuart Bay Formation, 400 feet abobe base, Lower Devonian, lat. 76°18'N, long. 99°12'W, Twilight Creek, Bathurst Island, Arctic.

*Leptochilodiscus punctulatus* Rasetti

Hypotype 10565

Rasetti, F., 1967, Smithsonian Misc. Coll., vol. 152, No. 4, p. 48, pl. 3, fig. 28.

Lower Cambrian, ½ mile north of Elgin Station, L'Islet county, Quebec.

*Lichas minganensis* Billings

= *Amphilichas minganensis*, Shaw, F.C., 1968, New York State Mus. Sci. Service, Mem. 17, p. 89, pl. 4, fig. 1 [ lectotype 1332a ].

*Loganelleus*? *arcus* Palmer

Paratype 20307

Palmer, A.R., 1968, U.S. Geol. Surv., Prof. Paper 559-B, p. 90, pl. 13, fig. 8.

Late Cambrian, skyline section north of McCann Hill, south of Tatonduk River, Hillard Peak area, International Yukon-Alaska Boundary.

*Lonchodomas denova* Bolton

Holotype 24587; paratypes 24588-24590

Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 37, pl. 6, figs. 16, 20, 21, 25.

'Trenton' Formation, Middle Ordovician, depth 1,900 feet, Lowland Gamache Carleton Point No. 1 well, top of escarpment immediately west of mouth of Potatoe River; depths 3,431 and 3,468 feet, Lowlands Gamache Princeton Lake No. 1 well, southwest of south end of Princeton Lake, 9 miles northeast of Port Menier, Anticosti Island, Quebec.

*Lonchodomas* sp.

Fig. specs. 24591, 24592

Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 38, pl. 6, fig. 13.

'Trenton' Formation, Middle Ordovician, depth 1,992.7 feet, Lowlands Gamache Carleton Point No. 1 well, top of escarpment immediately west of mouth of Potatoe River, and Vauréal Formation, Upper Ordovician, depth 3,319.8 feet, New Associated Consolidated Paper Anticosti No. 1 well, north side of Jupiter River at 24-mile lodge, Anticosti Island, Quebec.

*Marrella splendens* Walcott

Hypotypes 25429-25435

Whittington, H.B.,

1971, Proc. North Am. Paleont. Convention, pt. 1, figs. 6, 7, 9, 12, 14, 16, 22.

1972, Geol. Surv. Can., Bull. 209 (1971), p. 4, pl. 22, figs. 1, 2 [25430].

Burgess Shale, Middle Cambrian, Walcott quarry on ridge between Mount Field and Wapta Mountain, British Columbia.

*Marrella splendens* Walcott

Hypotypes 26591-26613

Whittington, H.B., 1972, Geol. Surv. Can., Bull. 209 (1971), p. 4, pl. 13, fig. 1; pls. 14-17; pl. 18, figs. 1-5; pls. 19-21; pls. 23-26.

Burgess Shale, Stephen Formation, Middle Cambrian, quarry on ridge between Wapta Mountain and Mount Field at an elevation of approximately 7,500 feet, 3 miles north of Field, British Columbia.

*Microdiscus Dawsoni* Hartt

Syntypes 30189, 30190

Hartt, C.F., in Dawson, J.W., 1868, Acadian Geology, 2nd edition, p. 654.

Walcott, C.D., 1884, U.S. Geol. Surv., Bull. 10, p. 23, pl. 2, fig. 3,a.

Cambrian, St. John region, New Brunswick.

*Modocia supera* Fritz, Kindle, and Lespérance

Holotype 24634; paratypes 24635-24638

Fritz, W.H., Kindle, C.H., and Lespérance, P.J., 1970, Geol. Surv. Can., Bull. 187, p. 55, pl. 10, figs. 10-19.

Corner-of-the-Beach Formation, Middle Cambrian, railway cut 2.5 miles west of Highway 6, Corner-of-the-Beach, Gaspé, Quebec.

*Modocia* sp. cf. *M. brevispina* Robinson
Hypotypes 24627-24633
Fritz, W.H., Kindle, C.H., and Lespérance, P.J., 1970, Geol. Surv. Can., Bull. 187, p. 54, pl. 10, figs. 1-9.
Corner-of-the-Beach Formation, Middle Cambrian, railway cut 2.5 miles west of Highway 6, Corner-of-the-Beach, Gaspé, Quebec.

*Modocia* sp.
Fig. specs. 21389, 21390
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 3, figs. 19, 20.
Pika Formation, Middle Cambrian, Beauty Creek, Jasper Park and Red Deer Gap, sec. 19, tp. 31, rge. 10, W. 5th mer., Alberta.

*Murphycops skidmorei* Lespérance
Holotype 21905; paratype 21906
Lespérance, P.J., 1968, J. Pal., vol. 42, no. 3, pt. 1, p. 819, pl. 106, figs. 4-7; text-fig. 2.
White Head Formation, Middle Silurian, outcrop on right bank of Murphy Creek, 700 feet southeast (upstream) from Rameau road bridge, Percé region, Quebec.

*Nanillaenus conradi* (Billings)
Hypotype 22561
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 41, pl. 16, figs. 17-20.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Nehanniaspis prima* Fritz
Holotype 27288
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 52, pl. 8, figs. 16, 17.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Nevadella bacculenta* Fritz
Holotype 27248; paratypes 27249-27251
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 22, pl. 5, figs. 1-9.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Nevadella faceta* Fritz
Holotype 27229; paratypes 27230-27233
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 23, pl. 3, figs. 8-14.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Nevadella* sp.
Fig. spec. 21355
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 1, fig. 10.
Lower Cambrian, locality unknown.

*Nevadella* sp. 1, 2
Fig. specs. 27289, 27253-27255
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 24, pl. 8, figs. 18-20; pl. 5, figs. 12-15.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Nileus nesiotes* Dean
Holotype 29130; paratypes 29131-29135
Dean, W.T., 1971, Geol. Surv. Can., Bull. 210, p. 21, pl. 5, figs. 1-5, 8.
Summerford Group, Middle Ordovician, Squid Cove, New World Island, Newfoundland.

*Niobella* sp.
Fig. specs. 25871, 25873
Dean, W.T., 1970, Geol. Surv. Can., Paper 70-19, p. 6, pl. 1, figs. 3, 6.
Clarenville Formation, Lower Ordovician, about 150 yards south of stream-mouth at Elliott's Cove, Random Island, Newfoundland.

Odontopleurid pygidium with Bolbineossia sp.
Fig. spec. 29664
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 7, fig. 14.
Becscie Formation, Middle Silurian, Jupiter River road near top of escarpment north of 24-mile lodge, Anticosti Island, Quebec.

*Ogygopsis klotzi* (Rominger)
Hypotype 25436
Campbell, L.D., 1971, J. Pal., vol. 45, no. 3, p. 439, pl. 52, fig. 12.
Stephen Formation, Middle Cambrian, Mount Stephen, British Columbia.

*Ogygopsis* sp.
Fig. spec. 21363
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 2, fig. 8.
*Ogygopsis* Shale, Middle Cambrian, Mount Stephen, British Columbia.

Olenellid gen. and sp. indet. 1-3
Fig. specs. 18049-18051
Cowie, J.W., 1968, Geol. Surv. Can., Bull. 163, p. 19-20, pl. 2, figs. 6-8.
Police Post and Kane Basin Formations, Lower Cambrian, ravine behind abandoned R.C.M.P. post, lat. 79°05'N, long. 75°45'W, Bache Peninsula and 17 miles from head of Ella Bay on a bearing S80°E, about lat. 81°04'N, long. 68°30'W, Ellesmere Island, Arctic.

Olenellid genus and species undet.
Fig. specs. 27224, 27225
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 31, pl. 2, figs. 16, 17.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Olenellus altifrontatus* Fritz
Holotype 27435; paratype 27436
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 12, pl. 18, figs. 14-17.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Olenellus laxocules* Fritz
Holotype 27335; paratypes 27327-27334, 27336
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 13, pl. 11, figs. 7-21.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Olenellus logani* Walcott
= *Wanneria*? sp., Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 1, figs. 6, 7 [ fig. spec. 414b ].

*Olenellus paraoculus* Fritz
Holotype 27394; paratypes 27388-27393, 27395-27598
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 14, pl. 15, figs. 8-22.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Olenellus praenuntius* Cowie
Holotype 18040; paratypes 18039, 18043; hypotypes 18041, 18042, 18045
Cowie, J.W., 1968, Geol. Surv. Can., Bull. 163, p. 9, pl. 1, figs. 1-10.
Kane Basin Formation, Lower Cambrian, 6 miles northwest of head of Scoresby Bay, lat. 79°55'N, long. 72°10'W, Ellesmere Island, Arctic.

*Olenellus puertoblancoensis* (Lochman)
Hypotypes 27417-27422
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 14, pl. 17, figs. 1-7.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Olenellus sequomalus* Fritz
Holotype 27352; paratypes 27346-27351, 27353
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 15, pl. 12, figs. 14-25.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Olenellus truemani* Walcott
Hypotypes 27291-27298
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 16, pl. 9, figs. 1-14.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Olenellus* sp.
Fig. spec. 21348
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 1, fig. 1.
Peyto Formation, Lower Cambrian, Chaba River, Alberta.

*Olenellus* sp. 1-5
Fig. specs. 27308-27317, 27357-27368, 27408-27413, 27458-27461
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 17-19, pl. 10, figs. 6-16; pl. 13, figs. 6-20; pl. 16, figs. 8-15; pl. 20, figs. 9-14.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Olenid* undetermined 1, 2
Fig. specs. 20280, 20281
Palmer, A.R., 1968, U.S. Geol. Surv., Prof. Paper 559-B, p. 68, pl. 10, figs. 7, 8.
Late Cambrian, spur northeast of Hillard Peak, north of McCann Hill, south of Tatonduk River, International Yukon-Alaska Boundary.

*Olenoides serratus* (Rominger)
Hypotype 25437
Campbell, L.D., 1971, J. Pal., vol. 45, no. 3, p. 439, pl. 52, fig. 9.
Stephen Formation, Middle Cambrian, Mount Stephen, British Columbia.

*Oligometopus breviceps*? (Walcott)
Hypotype 20270
Palmer, A.R., 1968, U.S. Geol. Surv., Prof. Paper 559-B, p. 58, pl. 7, fig. 31.
Late Cambrian, skyline section north of McCann Hill, Hillard Peak area, south of Tatonduk River, International Yukon-Alaska Boundary.

*Onchocephalus* sp.
Fig. spec. 21351
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 1, fig. 4.
Sekwi Formation, Lower Cambrian, lat. 63°33'N, long. 128°44'W, first ridge immediately north of June Lake, District of Mackenzie.

*Oryctocephalus* sp.
Fig. spec. 21358
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 2, fig. 3.
*Ogygopsis* Shale, Middle Cambrian, Mount Stephen, British Columbia.

*Oryctocephalus*? sp.
Fig. spec. 27451
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 37, pl. 19, figs. 20, 21.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Otarion (Otarion) balanops* Erben
Hypotypes 18234-18236
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 121, pl. 16, figs. 11-15.
Blue Fiord Formation, 315 and 530 feet above base, Middle Devonian, lat. 76°18'N, long. 99°12'W, Twilight Creek, Bathurst Island, Arctic.

*Otarion (Otarion)* sp. A
Fig. spec. 18238
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 122, pl. 17, fig. 1.
Blue Fiord Formation, 315 feet above base, Middle Devonian, lat. 76°18'N, long. 99°12'W, Twilight Creek, Bathurst Island, Arctic.

*Otarion* sp.
Fig. spec. 24273
Ormiston, A.R., 1971, Geol. Surv. Can., Bull. 192, p. 35, pl. 4, fig. 6.
Michelle Formation, Lower Devonian, ridge about 1 mile east of Hart River, lat. 65°27'30"N, long. 137°W, Yukon.

*Otarion* sp.
Fig. spec. 29129
Dean, W.T., 1971, Geol. Surv. Can., Bull. 210, p. 17, pl. 6, fig. 9.
Summerford Group, Middle Ordovician, Squid Cove, New World Island, Newfoundland.

*Otarion* sp.
Fig. spec. 30441
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 5, fig. 4.
Thornloe Formation, Middle Silurian, west shore near northwest point, Mann Island, Lake Timiskaming, Quebec.

*Paedeumias mohavensis* Crickmay
Holotype 27730; paratypes 27731-27733; topotype 27734
Crickmay, C.H., 1933, Bull. Dept. Geol. Sci., Univ. Calif., vol. 23, no. 1, p. 74, pl. 1, figs. c-f.
Lower Cambrian, quarry 1¼ miles N28°E of Cadiz Station, California, U.S.A.

*Paedeumias turmalis* Cowie
Holotype 18046
Cowie, J.W., 1968, Geol. Surv. Can., Bull. 163, p. 16, pl. 2, figs. 1-3.
Police Post Formation, Lower Cambrian, ravine behind abandoned R.C.M.P. post, lat. 79°05'N, long. 74°45'W, Bache Peninsula, Ellesmere Island, Arctic.

*Paedeumias* sp.
Fig. spec. 21349
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 1, fig. 2.
Eager Formation, Lower Cambrian, near St. Eugene Mission, British Columbia.

*Pagetia* sp.
Fig. specs. 21365, 21366
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 2, figs. 10, 11.
Middle Cambrian, Mount Field, British Columbia.

*Pagetides spinulus* Fritz
Holotype 27211; paratypes 27210, 27212-27214
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 8, pl. 1, figs. 9-17.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Macken ie Mountains, District of Mackenzie.

*Pagetides*? sp. 1
Fig. spec. 27286
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 9, pl. 8, figs. 13, 14.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

Cf. *Paleofossus* sp. 1
Fig. spec. 27252
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 39, pl. 5, figs. 10, 11.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Parabolina* cf. *P. argentina* (Kayser)
Hypotype 25870
Dean, W.T., 1970, Geol. Surv. Can., Paper 70-19, p. 5, pl. 1, figs. 2, 4.
Clarenville Formation, Lower Ordovician, about 150 yards south of stream-mouth at Elliott's Cove, Random Island, Newfoundland.

*Paradoxides Acadicus* Matthew
Hypotype 30191
Walcott, C.D., 1884, U.S. Geol. Surv., Bull. 10, p. 25, pl. 3, fig. 3a.
Middle Cambrian, St. John region, New Brunswick.

*Paradoxides Eteminicus* Matthew
Hypotype 30192
Walcott, C.D., 1884, U.S. Geol. Surv., Bull. 10, p. 27, pl. 3, fig. 1e.
Middle Cambrian, Ratcliffe's millstream [ Ratcliffe Brook ], St. John region, New Brunswick.

*Paradoxides hicksi* Salter
= *Paradoxides* sp., Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 3, fig. 18 [ fig. spec. 13069 ].

*Paradoxides lamellatus* Hartt
Syntypes 30193, 30194
Hartt, C.F., in Dawson, J.W., 1868, Acadian Geology, 2nd edition, p. 656.
Walcott, C.D., 1884, U.S. Geol. Surv., Bull. 10, p. 25, pl. 3, figs. 2, a.
Middle Cambrian, Portland, north of St. John, New Brunswick.

*Parafallotaspis grata* Fritz
Holotype 27202; paratypes 27203-27209
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 28, pl. 1, figs. 1-8.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Paraharpes anticostiensis* (Twenhofel)
Hypotype 29582
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 2, fig. 9.
Vauréal Formation, Upper Ordovician, main highway 0.6 miles west of first creek west of Lake MacDonald fire tower road, Anticosti Island, Quebec.

*Pareuloma spinosa* Palmer
Holotype 20292; paratypes 20293-20299
Palmer, A.R., 1968, U.S. Geol. Surv., Prof. Paper 559-B, p. 76, pl. 11, figs. 1-7, 9.
Late Cambrian, skyline section north of McCann Hill, south of Tatonduk River, Hillard Peak area, International Yukon-Alaska Boundary.

*Peratagnostus hillardensis* Palmer
Holotype 20289; paratypes 20288, 20290, 20291
Palmer, A.R., 1968, U.S. Geol. Surv., Prof. Paper 559-B, p. 26, pl. 10, figs. 17, 18, 23, 24.
Late Cambrian, spur northeast of Hillard Peak, north of McCann Hill, south of Tatonduk River, International Yukon-Alaska Boundary.

*Peronopsis* sp.
Fig. specs. 21361, 21362
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 2, figs. 6, 7.
Middle Cambrian, Mount Field, British Columbia.

*Phalagnostus bituberculatus* (Angelin)
Hypotype 20261
Palmer, A.R., 1968, U.S. Geol. Surv., Prof. Paper 559-B, p. 32, pl. 6, fig. 13.
Middle Cambrian, near 141st meridian between Porcupine and Yukon Rivers, Hillard Peak area, just east of International Yukon-Alaska Boundary.

*Piaziella pia* (Walcott)
Hypotypes 27445-27450
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 42, pl. 19, figs. 11-19.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, British Columbia.

*Piaziella? rara* Fritz
Holotype 27464; paratypes 27462, 27463
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 43, pl. 20, figs. 15-19.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Plagiura* sp.
Fig. specs. 21369, 21370
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 2, figs. 15, 16.
Mount Whyte Formation, Middle Cambrian, Mount Weed, Banff National Park, Alberta.

*Platyscutellum brevicephalus* Ormiston

Holotype 18095; paratypes 18094, 18096-18099

Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 39, pl. 1, figs. 7-11.

Middle Devonian and Eids Formation, about 70 feet below top, Lower Devonian, lat. 72°48'N, long. 117°46'W, largest of Princess Royal Islands and lat. 75°15'N, long. 98°27'W, Dyke Creek, southeastern Bathurst Island, Arctic.

*Pliomerella* sp.

Fig. specs. 29111, 29112

Dean, W.T., 1971, Geol. Surv. Can., Bull. 210, p. 11, pl. 4, figs. 1, 4.

Summerford Group, Middle Ordovician, Squid Cove, New World Island, Newfoundland.

*Portaginus robustus* Lespérance

Holotype 21900; paratype 22887

Lespérance, P.J., 1968, J. Pal., vol. 42, no. 3, pt. 1, p. 822, pl. 106, figs. 8-13; text-fig. 4.

White Head Formation, Upper Ordovician, outcrop in brook bed, and right side of brook, 1,300 feet up the gully entering Rivière Portage from 1,200 feet east of Fortin-Malbaie tp. line, Percé region, Quebec.

*Poulsenia* sp. 1

Fig. specs. 27325, 27326

Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 41, pl. 11, figs. 3-6.

Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Primaspis evoluta canadiana* Bolton

Holotype 24572; paratypes 24573, a-c

Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 34, pl. 7, figs. 1, 3, 5, 6, 8.

Vauréal Formation, Upper Ordovician, depths 1,065 and 1,110 feet, Lowlands Gamache Carleton Point No. 1 well, top of escarpment immediately west of mouth of Potatoe River, Anticosti Island, Quebec.

*Primaspis* sp.

Fig. specs. 24574-24577

Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 35, pl. 7, figs. 4, 9.

Vauréal Formation, Upper Ordovician, depths 1,080, 1,075, and 1,065.1 feet, Lowlands Gamache Carleton Point No. 1 well, top of escarpment immediately west of mouth of Potatoe River, Anticosti Island, Quebec.

*Proceratopyge* cf. *P. chuhsiensis* Lu

Hypotypes 20284-20287

Palmer, A.R., 1968, U.S. Geol. Surv., Prof. Paper 559-B, p. 55, pl. 10, figs. 11-14.

Late Cambrian, spur northeast of Hillard Peak, north of McCann Hill, south of Tatonduk River, International Yukon-Alaska Boundary.

*Proceratopyge (Lopnorites) rectispinatus* (Troedsson)
Hypotypes 20275-20279
Palmer, A.R., 1968, U.S. Geol. Surv., Prof. Paper 559-B, p. 54, pl. 10, figs. 2-6.
Late Cambrian, spur northeast of Hillard Peak, north of McCann Hill, south of Tatonduk River, International Yukon-Alaska Boundary.

Proetid free check
Fig. spec. 30509
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 10, fig. 17.
Thornloe Formation, Middle Silurian, Macnamara quarry, lot 6, con. VI, Armstrong tp., Ontario.

Proetid tail
Fig. spec. 21978
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 9, fig. 15.
Middle Ordovician, Lakefield quarry, Ontario.

*Proetus* cf. *bohemicus* Hawle and Corda
Hypotype 18134
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 59, pl. 6, figs. 10, 11.
?Blue Fiord Formation, Middle Devonian, lat. 76°21'N, long. 91°05'W, Norfolk Inlet, Colin Archer Peninsula, Devon Island, Arctic.

*Proetus* cf. *P. nerudai* Pribyl
Hypotypes 24274-24279
Ormiston, A.R., 1971, Geol. Surv. Can., Bull. 192, p. 29, pl. 4, figs. 7-14.
Michelle and Ogilvie Formations, Lower and Middle Devonian, ridge east of Hart River, lat. 65°23'N, long. 137°07'W, Yukon.

*Proetus phocion* Billings
McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 11, fig. 25 [ syntype 3337 ].

*Proetus (Longiproetus) sverdrupi* (Tolmachoff)
Hypotypes 18132, 18133
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 57, pl. 6, figs. 6, 7, 9.
Blue Fiord Formation, about 300 feet above base, Middle Devonian, lat. 76°22'N, long. 92°48'W, Sutherland River, Douro Range, Devon Island and 8 miles east of Blue Fiord, Ellesmere Island, Arctic.

*Proliostracus annosus* Fritz
Holotype 27320; paratypes 27318, 27319, 27321, 27322
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 44, pl. 10, figs. 17-22.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Proliostracus* aff. *P. annosus* Fritz
Hypotype 27324
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 46, pl. 11, figs. 1, 2.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Proliostracus contractus* Fritz
Holotype 27306; paratypes 27304, 27305, 27307
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 45, pl. 10, figs. 1-5.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Proliostracus depressus* Fritz
Holotype 27302; paratypes 27299-27301
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 45, pl. 9, figs. 15-20.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Proliostracus latus* Fritz
Holotype 27323
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 46, pl. 10, fig. 23.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Pseudogygites latimarginatus* (Hall)
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 4, fig. 21 [ hypotype 18666 ].

*Pseudosphaerexochus canadensis* (Billings)
Hypotype 29744
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 12, fig. 12.
Chicotte Formation, Middle Silurian, Southwest Point road, approximately 0.6 mile inland from The Jumpers, Anticosti Island, Quebec.

*Ptychagnostus (Ptychagnostus) aculeatus* (Angelin)
Hypotype 20264
Palmer, A.R., 1968, U.S. Geol. Surv., Prof. Paper 559-B, p. 28, pl. 6, fig. 20.
Middle Cambrian, near 141st meridian between Porcupine and Yukon Rivers, Hillard Peak area, just east of International Yukon-Alaska Boundary.

*Ptychaspis* sp.
Fig. specs. 21377, 21378
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 3, figs. 3, 4.
Bison Creek Formation, Upper Cambrian, Chaba River 5 miles south of Fortress Lake, Jasper Park area, Alberta.

Ptychoparioid gen. et. sp. indet.
Fig. specs. 18061-18063
Cowie, J.W., 1968, Geol. Surv. Can., Bull. 163, p. 21, pl. 3, figs. 6-9.
Scoresby Bay Formation, Lower Cambrian, 22½ miles from head of Irene Bay on a bearing N20°E, about lat. 79°21'N, long. 80°07'W, Ellesmere Island, Arctic.

Ptychoparioid genus and species undetermined
Fig. specs. 27437, 27438
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 49, pl. 18, figs. 18, 19.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Raymondaspis arcuata* Dean
Holotype 29150; paratypes 29147-29149
Dean, W.T., 1971, Geol. Surv. Can., Bull. 210, p. 17, pl. 6, figs. 1-3, 7, 10.
Summerford Group, Middle Ordovician, Squid Cove, New World Island, Newfoundland.

*Raymondites spiniger* (Hall)
Hypotype 22618
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 41, pl. 17, figs. 5, 6.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Remipyga icarus* (Billings)
Hypotype 29577
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 2, fig. 4.
Vauréal Formation, Upper Ordovician, creek crossing main road between Carleton Point and Potatoe River, Anticosti Island, Quebec.

*Remopleurides canadensis* Billings
Shaw, F.C., 1968, New York State Mus. Sci. Service, Mem. 17, p. 32, pl. 2, figs. 26, 27 [ holotype 1760 ].

*Remopleurides* sp.
Fig. specs. 29126-29128
Dean, W.T., 1971, Geol. Surv. Can., Bull. 210, p. 16, pl. 3, figs. 6, 9; pl. 5, fig. 7.
Summerford Group, Middle Ordovician, Squid Cove, New World Island, Newfoundland.

*Reticuloharpes* cf. *R. reticulatus* (Hawle and Corda)
Hypotypes 24269-24271
Ormiston, A.R., 1971, Geol. Surv. Can., Bull. 192, p. 36, pl. 4, figs. 1, 2, 4, 5.
Michelle Formation, Lower Devonian, Hart River, lat. 64°28'N, long. 137°02'W; southeast flank of Nahoni Range, lat. 65°33'N, long. 138°46'W; and southern end of Nahoni Range, lat. 64°29'N, long. 139°09'W, Yukon.

*Richardsonella* sp. 4
Fig. spec. 20320
Palmer, A.R., 1968, U.S. Geol. Surv., Prof. Paper 559-B, p. 80, pl. 14, fig. 12.
Late Cambrian, Jones Ridge north of Tatonduk River, International Yukon-Alaska Boundary.

*Roncellia debeaujeuensis* Lespérance and Bourque
Holotype 25928, a, b; paratypes 25929, 25930
Lespérance, P.J. and Bourque, P.A., 1971, J. Pal., vol. 45, no. 2, p. 187, pl. 25, figs. 1-7.
Roncelles Formation, Lower Devonian, bush road west of western branch of Dartmouth River, lat. 49°04'N, 2,000 feet east of long. 65°02'W, and 300 feet north of lat. 49°04'N, 700 feet east of long. 65°02'N, De Beaujeu tp., Gaspé, Quebec.

*Schizoproetoides ellesmerensis* Ormiston
Holotype 18224; paratypes 18222/2, 18225/1
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 115, pl. 15, figs. 7-9.
Blue Fiord Formation, upper 200 feet, Middle Devonian, southeast corner and 16 miles north of southeast corner Svendsen Peninsula, Ellesmere Island, Arctic.

*Schizoproetoides richteri* (Tolmachoff)
Hypotypes 18216-18223/1-8
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 111, pl. 14, figs. 17, 18; pl. 15, figs. 2-6.
Blue Fiord Formation, upper 200 feet and near base, Middle Devonian, southeast corner Svendsen Peninsula and 8 miles east of Blue Fiord, Ellesmere Island, Arctic.

?*Schizoproetoides* sp. indet.
Fig. spec. 18226
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 117, pl. 15, fig. 10.
Middle Devonian, lat. 100°18'N, long. 73°77'W, 20 miles northeast of head of Drake Bay, Prince of Wales Island, Arctic.

*Schizoproetoides* sp. A
Fig. spec. 24280
Ormiston, A.R., 1971, Geol. Surv. Can., Bull. 192, p. 33, pl. 4, fig. 15.
Michelle Formation, Lower Devonian, southeast flank of Nahoni Range, lat. 65°33'N, long. 138°46'W, Yukon.

*Scutellum borealis* (Poulsen)
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 8, fig. 9 [ hypotype 15411 ].

*Scutellum depressum* Cooper and Cloud
Hypotypes 18089-18092
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 36, pl. 1, figs. 1-6.
Blue Fiord Formation, 350 feet above base, Middle Devonian, lat. 76°20'N, long. 98°50'W, Warner River, Bathurst Island, Arctic.

*Scutellum laphami* (Whitfield)
Hypotype 30511
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 10, fig. 14.
Amabel Formation, Middle Silurian, one-quarter mile east of corner of Providence Bay lighthouse road and Providence Bay-South Baymouth Highway, Manitoulin Island, Ontario.

*Scutellum* n. sp.
Fig. specs. 30500, 30501
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 10, figs. 3, 4.
Thornloe Formation, Middle Silurian, Macnamara quarry, lot 6, con. VI, Armstrong tp., Ontario.

*Scutellum* sp.
Fig. spec. 30510
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 10, fig. 11.
Amabel Formation, Middle Silurian, road-cut west side opposite radio-tower, Owen Sound-Chatsworth Highway 6-10, Ontario.

*Sekwiaspis artifrons* Fritz
Holotype 27261; paratypes 27262-27267
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 39, pl. 6, figs. 10-19.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Selenoharpes*? sp.
Fig. spec. 26248
Dean, W.T., 1970, Geol. Surv. Can., Paper 70-44, p. 3, pl. 1, figs. 5, 6, 10.
Lush's Bight Group, Lower Ordovician, west side of South Catcher Pond, near southwestern end, Newfoundland.

*Sigmocheilus*? cf. *S. grata* (Resser)
Hypotypes 20271, 20272
Palmer, A.R., 1968, U.S. Geol. Surv., Prof. Paper 559-B, p. 74, pl. 8, figs. 20, 25.
Late Cambrian, skyline section north of McCann Hill, Hillard Peak area, south of Tatonduk River, International Yukon-Alaska Boundary.

*Spencella punctata* Fritz, Kindle, and Lespérance
Holotype 24613; paratypes 24614-24616
Fritz, W.H., Kindle, C.H., and Lespérance, P.J., 1970, Geol. Surv. Can., Bull. 187, p. 50, pl. 8, figs. 10-17.
Corner-of-the-Beach Formation, Middle Cambrian, railway cut 2.5 miles west of Highway 6, Corner-of-the-Beach, Gaspé, Quebec.

*Sphaerexochus costabilis* Dean
Holotype 29113; paratypes 29114, 29115
Dean, W.T., 1971, Geol. Surv. Can., Bull. 210, p. 9, pl. 4, figs. 2, 3, 5, 6, 8.
Summerford Group, Middle Ordovician, Squid Cove, New World Island, Newfoundland.

*Sphaerexochus*? sp.
Fig. spec. 29158
Dean, W.T., 1971, Geol. Surv. Can., Bull. 210, p. 10, pl. 4, fig. 7.
Summerford Group, Middle Ordovician, Squid Cove, New World Island, Newfoundland.

*Sphaerophthalmella inexpectans* Kobayashi
= *Jujuyaspis borealis*, Norford, B.S., 1969, Geol. Surv. Can., Bull. 182, p. 12, pl. 2, fig. 26 [ hypotype 12721 ].

*Stenopareia* spp.
Fig. specs. 29595, 29736, 29737
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 3, fig. 13; pl. 12, figs. 5, 17.
Vauréal Formation, Upper Ordovician, Beaver Cove road 0.7 miles north of main road; Chicotte Formation, Middle Silurian, coastal sections middle of first bay and second point west of Chicotte River, Anticosti Island, Quebec.

*Symphysurus* sp.
Fig. spec. 29144
Dean, W.T., 1971, Geol. Surv. Can., Bull. 210, p. 23, pl. 7, fig. 7.
Summerford Group, Middle Ordovician, Squid Cove, New World Island, Newfoundland.

*Synphoria dolbeli* (Clarke)
Hypotype 25927
Lespérance, P.J. and Bourque, P.A., 1971, J. Pal., vol. 45, no. 2, p. 199, pl. 27, figs. 6, 7.
Grande Grève Formation, Lower Devonian, along seashore approximately 900 feet southeast of breakwater at Grande Anse, Gaspé, Quebec.

*Synphoria* aff. *S. stemmata compacta* Lespérance and Bourque
Hypotype 25931
Lespérance, P.J. and Bourque, P.A., 1971, J. Pal., vol. 45, no. 2, p. 198, pl. 27, fig. 5.
Grande Grève or York Lake Formation, Lower Devonian, Miner Brook, Dumière tp., Gaspé, Quebec.

*Syspacephalus vapidus* Fritz
Holotype 27455; paratypes 27452-27454, 27456, 27457
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 47, pl. 20, figs. 1-8.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

Trail
Fig. spec. 21987
Sinclair, G.W., Copeland, M.J., and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 9, fig. 23.
Middle Ordovician, Lakefield quarry, Ontario.

*Tretaspis ceriodes* (Angelin)
Hypotypes 24578-24584, a, b
Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 35, pl. 6, figs. 12, 14, 15, 17-19.
Vauréal Formation, Upper Ordovician, depths 3,227, 3,269, 3,240, 3,208, 3,224, 3,229 feet, New Associated Consolidated Paper Anticosti No. 1 well, north side of Jupiter River at 24-mile lodge; depth 1,008 feet, Lowlands Gamache Carleton Point No. 1 well, top of escarpment immediately west of mouth of Potatoe River, Anticosti Island, Quebec.

*Triarthrus huguesensis* Foerste
Syntypes 6780b
Foerste, A.F., 1924, Geol. Surv. Can., Mem. 138, p. 241, pl. 43, fig. 21.
'Lorraine' Formation, Upper Ordovician, Yamaska River 1½ miles below St. Hugues, Quebec.

*Triarthrus huguesensis* Foerste
Hypotypes 24593-24599
Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 38, pl. 6, figs. 1-6. 24.
Vauréal Formation, Upper Ordovician, depths 1,079, 1,110.6, 1,155, 1,163, 1,165, 1,157 feet, Lowlands Gamache Carleton Point No. 1 well, top of escarpment immediately west of mouth of Potatoe River, Anticosti Island, Quebec.

*Triarthrus macastyensis* Twenhofel
Hypotypes 24608, a
Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 33, pl. 6, fig. 8.
Macasty Formation, Upper Ordovician, loose on shore where road meets beach, Grand Ruisseau, Anticosti Island, Quebec.

*Triarthrus spinosus* Billings
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 4, fig. 23 [ hypotype 18668 ].

*Triarthrus spinosus* Billings
Hypotype 24600
Bolton, T.E., 1970, Geol. Surv. Can., Bull. 187, p. 33, pl. 6, fig. 7.
Macasty Formation, Upper Ordovician, depth 1,393 feet, Lowlands Gamache Carleton Point No. 1 well, top of escarpment immediately west of mouth of Potatoe River, Anticosti Island, Quebec.

*Trinodus* cf. *T. doulargensis* Tripp
Hypotypes 29091, 29092
Dean, W.T., 1971, Geol. Surv. Can., Bull. 210, p. 3, pl. 1, figs. 1, 2.
Summerford Group, Middle Ordovician, Squid Cove, New World Island, Newfoundland.

Undetermined pygidium 1
Fig. spec. 27287
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 53, pl. 8, fig. 15.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Vanuxemella* sp.
Fig. specs. 21371, 21372
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 2, figs. 17, 18.
Cathedral Formation, Middle Cambrian, Mount Thompson, Alberta.

*Variopelta laevis* Fritz
Holotype 27341; paratypes 27337-27340, 27342-27345
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 48, pl. 12, figs. 1-13.
Sekwi Formation, Lower Cambrian, 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Wanneria logani* (Walcott)
Hypotypes 27369-27379, 27402-27407
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 29, pl. 14, figs. 1-14; pl. 16, figs. 1-7.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Wanneria parvifrons* Fritz
Holotype 27355; paratypes 27354, 27356
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 30, pl. 13, figs. 1-5.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Wanneria* sp. 1
Fig. specs. 27399-27401
Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 30, pl. 15, figs. 23-26.
Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Warburgella rugulosa canadensis* Ormiston
Holotype 18135; paratypes 18136-18141
Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 62, pl. 6, figs. 12-15; pl. 7, figs. 1-4.
Lower Devonian, lat. 75°46'N, long. 94°22'W, 1 mile northwest of sea, Washington Point, Baillie Hamilton Island, Arctic.

*Warburgella rugulosa canadensis* Ormiston

Hypotypes 29076-29090

Ormiston, A.R., 1971, Paläont. Zeitschrift, vol. 45, nos. 3/4, p. 175, pls. 19-21.

Delorme Formation, Lower Devonian, South Canyon Range, lat. 62°30'N, long. 125°01'W, Northwest Territories.

*Weberopeltis* aff. *arcticum* (Weber)

Hypotypes 18114, 18115

Ormiston, A.R., 1967, Geol. Surv. Can., Bull. 153, p. 47, pl. 4, figs. 1-3.

Blue Fiord Formation, 600 feet above base and upper 200 feet, Middle Devonian, lat. 77°12'N, long. 86°55'W, Blue Fiord and lat. 77°35'N, long. 83°46'W, southeastern Svendsen Peninsula, Ellesmere Island, Arctic.

*Yukonides lacrinus* Fritz

Holotype 27278; paratypes 27279-27285

Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 10, pl. 8, figs. 1-12.

Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

*Yüpingia glabra* Palmer

Holotype 20308; paratypes 20309-20313

Palmer, A.R., 1968, U.S. Geol. Surv., Prof. Paper 559-B, p. 56, pl. 13, figs. 9, 12-16.

Late Cambrian, skyline section north of McCann Hill, south of Tatonduk River, Hillard Peak area, International Yukon-Alaska Boundary.

*Zacanthopsis stribuccus* Fritz

Holotype 27416

Fritz, W.H., 1972, Geol. Surv. Can., Bull. 212, p. 38, pl. 16, figs. 19, 20.

Sekwi Formation, Lower Cambrian, lat. 63°31'N, long. 128°41'W, north-northwest of June Lake, Mackenzie Mountains, District of Mackenzie.

## ARTHROPODA-MEROSTOMATA-XIPHOSURA

*Belinurus grandaevus* Jones and Woodward

Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 15, fig. 18 [hypotype 12804b].

*Euproops amiae* Woodward

Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 15, fig. 27 [ hypotype 12808e].

## ARTHROPODA-MEROSTOMATA-EURYPTERIDA

*Carcinosoma* sp. 1

Fig. spec. 24833

Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 22, pl. 3, fig. 3.

St. Leon Formation, Upper Silurian, west end of bridge over Lesseps Brook, north side of Lac Ste. Anne-Murdochville highway, Lesseps tp., Gaspé Nord co., Quebec.

*Carcinosoma*? sp. 2

Fig. spec. 24834

Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 23, pl. 1, fig. 3.

Gasport-Goat Island Formations (?), Middle Silurian, Hamilton, Ontario.

*Erieopterus phillipsensis* Copeland

Holotype 24836

Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 21, pl. 1, fig. 2.

Cape Phillips Formation, Middle Silurian, northeast shore of Cornwallis Island, *ca.* lat. 75°37'30"N, long. 94°33'W, District of Franklin.

*Eurypterus fischeri* Eichwald

Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming. L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 8, figs. 5, 6 [hypotypes 13997, 14003 ].

*Eurypterus lacustris* Harlan

Bamber, E.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, p. 592, frontispiece [hypotype 13995].

*Eurypterus remipes lacustris* Harlan
Hypotype 24837
Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 21, pl. 2, figs. 3, 4.
Bertie Formation, Upper Silurian, quarry at Ridgemont, 2½ miles east of Stevensville, lot 8, con. VIII, Bertie tp., Welland co., Ontario.

*Eurypterus* sp.
Fig. spec. 24838
Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 22, pl. 1, fig. 1.
Cape Phillips Formation, Middle Silurian, northeast shore of Cornwallis Island *ca.* lat. 75°37'30"N, long. 94°33'W, District of Franklin.

*Stylonurus*? sp.
Fig. spec. 24835
Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 23, pl. 2, fig. 1, 2.
Peel Sound Formation, Upper Silurian, gully at southwestern end of beach at Pressure Point, north coast of Somerset Island, District of Franklin.

## ARTHROPODA-BRANCHIPODOA

*Asmussia tenella* (Bronn)
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 15, fig. 20 [hypotype 12853].

*Leaia acutilirata* Copeland
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 15, fig. 19 [holotype 10396].

*Leaia baentschiana* (Beyrich)
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 15, fig. 17 [hypotype 12793].

ARTHROPODA-OSTRACODA

*Aechmina richmondensis* Ulrich and Bassler

Hypotypes 24155, 24156

Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 26, pl. 5, figs. 18, 19.

Vauréal Formation, Upper Ordovician, Rivière à la Patate, ½ mile above mouth, and main road, on west side of west branch of small creek flowing northward into Squaw Cove, Anticosti Island, Quebec.

*Aechmina* sp.

Fig. specs. 23993, 23994

Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 20, pl. 4, figs. 11, 12.

Vauréal Formation, Upper Ordovician, Beaver Cove road at west end of bridge over Beaver Cove River and Pointe à l'epinette, a mile east of mouth of MacDonald River, Anticosti Island, Quebec.

"*Amphissites*(?)" *concentricus* (Ulrich and Bassler)

McLaren, D.J., Norris, A.W., and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 11, fig. 16 [hypotype 14530d].

*Ancillacuna miroszczaki* McGill

Holotype 22674a; paratypes 22674b, c

McGill, P., 1968, Internat. Symp. Devonian System, vol. 2, p. 1075, pl. 2, figs. 10-15.

Kee Scarp Formation, Middle Devonian, Carcajou Ridge, 1 mile from Mackenzie River, lat. 65°37'N, long. 128°15'W, Northwest Territories.

"*Aparchites*" *fimbriatus* (Ulrich)

Hypotype 24009

Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 23, pl. 4, fig. 28.

Vauréal Formation, Upper Orodvician, Pointe à l'epinette, a mile east of mouth of MacDonald River, Anticosti Island, Quebec.

*Aparchites keescarpensis* McGill

Holotype 22669a; paratypes 22669b-i

McGill, P., 1968, Internat. Symp. Devonian System, vol. 2, p. 1074, pl. 1, figs. 15-18.

Kee Scarp Formation, Middle Devonian, Carcajou Ridge, 1 mile from Mackenzie River, lat. 65°37'N, long. 128°15'W, Northwest Territories.

*Aparchites whiteavesi* Jones

Swartz, F.M., 1969, J. Pal., vol. 43, no. 5, p. 1241, pl. 145, figs. 1-6 [holotype 3838].

*Aparchites*(?) sp.

Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photo 33 [fig. spec. 20510]

*Aparchites*(?) sp.

Fig. spec. 27699

Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. C, fig. 9.

Wingfield Formation, Middle Silurian, east shore MacRae Cove, south end of Meldrum Bay, Manitoulin Island, Ontario.

*Apatobolbina* sp.

Fig. specs. 26313, 26314

Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 11, pl. 1, figs. 11, 13.

Bolton, T.E. and Copeland, M.J., 1972, ibid., Paper 72-15, pl. 9, fig. 17 [26313]

Thornloe Formation, Middle Silurian, 5 feet below top of Macnamara quarry, lot 6, con. VI, Armstrong tp., Ontario.

*Apatochilina*? sp.

Fig. spec. 22235

Copeland, M.J., in Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, pl. 23, fig. 15.

Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Bairdiocypris wayletti* McGill

Holotype 22679a; paratype 22679b

McGill, P., 1968, Internat. Symp. Devonian System, vol. 2, p. 1079, pl. 3, figs. 13-16.

Kee Scarp Formation, Middle Devonian, Carcajou Ridge, 1 mile from Mackenzie River, lat. 65°37'N, long. 128°15'W, Northwest Territories.

*Bairdiocypris* sp.

Fig. specs. 26323, a-c

Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 12, pl. 1, figs. 21, 22, 24, 25.

Bolton, T.E. and Copeland, M.J., 1972, ibid., Paper 72-15, pl. 1, figs. 3, 4 [26323, a].

Wabi Formation, Middle Silurian, Evanturel Creek at road bridge between Heaslip and Kap-Kig-Iwan Provincial Park, south of Englehart, Ontario.

*Bairdiohealdites rozhdestvenskayae* McGill

Holotype 22680a; paratypes 22680b-e

McGill, P., 1968, Internat. Symp. Devonian System, vol. 2, p. 1080, pl. 4, figs. 1-4.

Kee Scarp Formation, Middle Devonian, Carcajou Ridge, 1 mile from Mackenzie River, lat. 65°37'N, long. 128°15'W, Northwest Territories.

*Beyrichia (Beyrichia) arctigena* Martinsson
Hypotypes 24844, a-e, 24845, a, b, 24846 [52 specimens]
Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 24, pl. 3, figs. 5-13.
Undifferentiated Read Bay-Peel Sound Formation, Upper Silurian, lat. 73°16'N, long. 100° 05'W, Cape Smith Bay, Prince of Wales Island, District of Franklin.

*Beyrichia decora* Billings
= *Zygobolba decora*, Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 7, fig. 1 [syntype 2547].
Bolton, T.E., 1972, ibid., Paper 71-19, pl. 11, fig. 10.

*Beyrichia henninsmoeni* McGill
Holotype 20254; paratypes 20255, 20256, a-g, 20257, a-d
McGill, P., 1963, J. Pal., vol. 37, no. 6, p. 1284, pl. 181, figs. 7-13.
Upper Silurian, Delorme Range, lat. 62°48'N, long. 125°21'W, Northwest Territories.

Beyrichiid ostracode indet.
Fig. spec. 26322
Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 11, pl. 1, fig. 18.
Thornloe formation, Middle silurian, near middle of escarpment above gravel pit at shore, lot 5, con. II, Harris tp., Ontario.

*Beyrichiopsis lophota* Copeland
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 15, figs. 16a, b [holotype 10387].

*Bolbibollia labrosa* Ulrich and Bassler
Hypotype 29722
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 11, fig. 3.
Jupiter Formation, Middle Silurian, The Jumpers coastal section, Anticosti Island, Quebec.

*Bolbibollia* sp.
Fig. spec. 30450
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 5, fig. 23.
Thornloe Formation, Middle Silurian, northwestern point Mann Island, Lake Timiskaming, Quebec.

*Bolbineossia didictoyosa* Kesling, Heany, Kauffman, and Oden
Hypotype 26325
Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 11, pl. 1, fig. 26.
Bolton, T.E. and Copeland, M.J., 1972, ibid., Paper 72-15, pl. 11, fig. 17.
Thornloe Formation, Middle Silurian, roadside exposure, lot. 12, cons. V-VI, Dymond tp., Ontario.

*Bolbineossia punctata* (Ulrich and Bassler)
Hypotype 29699
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 9, fig. 7.
Jupiter Formation, Middle Silurian, Jupiter River fire tower road, approximately 2½ miles south of junction with road to 12-mile lodge, Anticosti Island, Quebec.

*Bolbineossia* sp.
Fig. spec. 23581
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photo 27.
Dyer Bay Formation, Middle Silurian, junction of main highway and road south onto Billings Hill, ¾ mile east of Billings, Manitoulin Island, Ontario.

*Bradoria*? sp.
Fig. spec. 21367
Fritz, W.H., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 2, fig. 13.
Gordon Formation, Middle Cambrian, Flathead Range, sec. 34, tp. 5, rge. 5, W. 5th mer., Alberta.

*Byrsolopsina planilateralis* (Kay)
Hypotypes 22223, 22224
Copeland, M.J., in Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, pl. 23, figs. 3, 4.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Bythocypris*? *cylindrica* (Hall)
Hypotype 22221
Copeland, M.J., in Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, pl. 23, fig. 1.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*"Bythocypris" cylindrica* (Hall)
Hypotype 24006
Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 23, pl. 4, fig. 25.
Vauréal Formation, Upper Ordovician, Pointe à l'epinette, a mile east of mouth of McDonald River, Anticosti Island, Quebec.

*Bythocypris*? *granti* Ulrich
Hypotype 22234
Copeland, M.J., in Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, pl. 23, fig. 14.
Wilderness Stage, Middle Ordovocian, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*"Bythocypris"* granti Ulrich
Hypotype 27660
Bolton, T.E. and Copeland, M.J., 1972, in Robertston, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. A, fig. 4.
Bobcaygeon Formation, Middle Ordovician, north side of road-cut on Highway 68, 1 mile west of McGregor Bay railroad-highway crossing, Ontario.

*"Bythocypris" lindstroemi*? Jones
Hypotype 24158
Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 26, pl. 5, fig. 21.
Vauréal Formation, Upper Ordovician, main road, on west side of west branch of small creek flowing northward into Squaw Cove, Anticosti Island, Quebec.

*"Bythocypris" subcylindrica* (Ulrich)
Hypotype 24007
Copeland, M.J., 1970, Geol. Surv. Can., 187, p. 23, pl. 4, fig. 26.
Vauréal Formation, Upper Ordovician, Pointe a l'epinette, a mile east of mouth of MacDonald River, Anticosti Island, Quebec.

*Candocyprinotus ovatus* Delorme
Holotype 26809; paratype 26807, 26808
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1123, pl. 23, figs. 350-352; pl. 24, figs. 353-360.
Recent, l.s.d. 3, sec. 7, tp. 42, rge. 15, W. 3rd mer., Saskatchewan.

*Candona acuminata* (Fischer)
Hypotypes 26647-26649
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1099, pl. 1, figs. 1-3.
Recent, l.s.d. 2, sec. 28, tp. 14, rge. 1, W. 5th mer., Alberta.

*Candona acuta* Hoff
Hypotype 26650-26655
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1100, pl. 1, figs. 4-15; pl. 2, figs. 16, 17.
Recent, l.s.d. 12, sec. 15, tp. 51, rge. 12, W. 3rd mer. and l.s.d. 16, sec. 22, tp. 14, rge. 22, W. 2nd mer., Saskatchewan.

*Candona acutula* Delorme
Hypotypes 23655-23658
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 865, pl. 2, figs. 29, 30; pl. 3, figs. 31, 32.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Candona acutula* Delorme
Hypotypes 26656-26661
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1100, pl. 2, figs. 18-29; pl. 3, figs. 30-33.
Recent, l.s.d. 4, sec. 15, tp. 40, rge. 16, W. 2nd mer., Saskatchewan.

*Candona albicans* Brady
Hypotypes 26662-26667
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1101, pl. 3, figs. 34-45; pl. 4, fig. 46.
Recent, l.s.d. 7, sec. 18, tp. 48, rge. 23, W. 4th mer., Alberta.

*Candona bretzi* Staplin
Hypotypes 23659-23662
Delorme, L.D.,
1968, Can. J. Zoology, vol. 46, no. 5, p. 865, pl. 3, figs. 33-36.
1970, ibid., vol. 48, no. 5, p. 1102, pl. 4, figs. 47-50.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Candona candida* (Müller)
Hypotypes 23663, 23664
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 866, pl. 3, figs. 37, 38.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long 139°54'W, Yukon.

*Candona candida* (Müller)
Hypotypes 26668-26673
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1103, pl. 4, figs. 51-63; pl. 5, figs. 64, 65.
Recent, l.s.d. 13, sec. 11, tp. 13, rge. 12, W. 3rd mer., Saskatchewan.

*Candona caudata* Kaufmann
Hypotype 23665
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 866, pl. 3, fig. 39.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Candona caudata* Kaufmann
Hypotypes 26674-27679
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1103, pl. 5, figs. 66-75.
Recent, l.s.d. 16, sec. 18, tp. 3, rge. 14, W. Prin. mer., Manitoba.

*Candona compressa* (Koch)
Hypotypes 26680-26685
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1104, pl. 6, figs. 76-88.
Recent, l.s.d. 6, sec. 30, tp. 47, rge. 16, W. 3rd mer., Saskatchewan and l.s.d. 7, sec. 18, tp. 48, rge. 23, W. 4th mer., Alberta.

*Candona* cf. *C. crogmaniana* Turner
Hypotypes 26686, 26687
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1105, pl. 6, figs. 89-91; pl. 7, figs. 92-98.
Recent, Kenora area, Ontario.

*Candona decora* Furtos
Hypotypes 26688-26693
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1106, pl. 7, figs. 99, 100; pl. 8, figs. 101-111.
Recent, l.s.d. 9, sec. 21, tp. 66, rge. 24, W. 4th mer., Alberta.

*Candona distincta* Furtos
Hypotypes 26694-26699
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1107, pl. 9, figs. 112-125.
Recent, l.s.d. 1, sec. 3, tp. 48, rge. 19, W. 4th mer., Alberta.

*Candona elliptica* Furtos
Hypotypes 26700-26705
Delorme, L.D., 1970, Can. J. Zoology, vol. 48 no. 5, p. 1108, pl. 9, figs. 126-131; pl. 10, figs. 132-136.
Recent, l.s.d. 14, sec. 1, tp. 21, rge. 19, W. Prin. mer., Manitoba.

*Candona facetus* Delorme
Hypotypes 26706-26711
Delorme, L.D., 1970, Can. J. Zoology, vol. 45, no. 5, p. 1108, pl. 10, figs. 137-148; pl. 11, fig. 149.
Recent, l.s.d. 2, sec. 6, tp. 19, rge. 18, W. 2nd mer., Saskatchewan.

*Candona hartwigi* Müller
Hypotypes 26712-26717
Delorme, L.D., 1970, Can. J. Zoology, vol. 28, no. 5, p. 1109, pl. 11, figs. 150-162.
Recent, l.s.d. 2, secs. 3, tp. 51, rge. 27, W. 3rd mer., Saskatchewan and l.s.d. 7, sec. 18, tp. 48, rge. 23, W. 4th mer., Alberta.

*Candona ikpikpukensis* (Swain)
Hypotypes 23680-23682
Delorme, L.D.,
1968, Can. J. Zoology, vol. 46, no. 5, p. 868, pl. 4, figs. 52, 53.
1970, ibid., vol. 48, no. 5, p. 1110, pl. 12, figs. 163, 164.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Candona inopinata* Furtos
Hypotypes 26718-26722
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1111, pl. 12, figs. 165-170.
Recent, l.s.d. 15, sec. 21, tp. 16, rge. 16, W. Prin. mer., Manitoba.

*Candona ohioensis* Furtos
Hypotypes 26723-26728
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1111, pl. 12, figs. 171-176; pl. 13, figs. 177-184.
Recent, l.s.d. 2, sec. 23, tp. 10, rge. 3, W. 2nd mer., Saskatchewan.

*Candona paraohioensis* Staplin
Hypotypes 26729-26734
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1112, pl. 14, figs. 185-197.
Recent, l.s.d. 16, sec. 25, tp. 21, rge. 1, E. Prin. mer. and l.s.d. 16, sec. 10, tp. 35, rge. 20, W. Prin. mer., Manitoba; l.s.d. 12, sec. 16, tp. 79, rge. 12, W. 4th mer., Alberta.

*Candona patzcuaro* Tressler
Hypotypes 26735-26742
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1113, pl. 14, figs. 198-201; pl. 15, figs. 202-213.
Recent, l.s.d. 14, sec. 17, tp. 21, rge. 12, W. 3rd mer., Saskatchewan, and l.s.d. 13, sec. 32, tp. 9, rge. 20, W. 4th mer., Alberta.

*Candona protzi* Hartwig
Hypotypes 23666-23669
Delorme, L.D.,
1968, Can. J. Zoology, vol. 46, no. 5, p. 866, pl. 3, figs. 40-43.
1970, ibid., vol. 48, no. 5, p. 1114, pl. 16, figs. 214-217.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Candona punctata* Furtos
Hypotypes 26743-26748
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1114, pl. 16, figs. 218-228.
Recent, l.s.d. 12, sec. 27, tp. 45, rge. 13, W. 2nd mer. and l.s.d. 7, sec. 36, tp. 41, rge. 15, W. 2nd mer., Saskatchewan.

*Candona rawsoni* Tressler
Hypotypes 23670-23673
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 867, pl. 4, figs. 44-47.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Candona rawsoni* Tressler
Hypotypes 26749-26756
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1115, pl. 16, figs. 229-235; pl. 17, figs. 236-243.
Recent, l.s.d. 4, sec. 26, tp. 13, rge. 20, W. 2nd mer. and l.s.d. 2, sec. 23, tp. 10, rge. 3, W. 2nd mer., Saskatchewan.

*Candona renoensis* Gutentag and Benson
Hypotypes 26757-26762
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1116, pl. 17, figs. 244-249; pl. 18, figs. 250-257.
Recent, l.s.d. 3, sec. 28, tp. 45, rge. 4, W. 3rd mer. and l.s.d. 9, sec. 15, tp. 20, rge. 4, W. 2nd mer., Saskatchewan.

*Candona rostrata* Brady and Norman
Hypotypes 26763-26768
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1117, pl. 18, figs. 258-268; pl. 19, fig. 269.
Recent, l.s.d. 8, sec. 13, tp. 88, rge. 5, W. 6th mer., Alberta.

*Candona sarsi* Hartwig
Hypotypes 26769-26774
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1118, pl. 19, figs. 270-281; pl. 20, fig. 282.
Recent, Lake Winnipeg, Manitoba.

*Candona sigmoides* Sharpe
Hypotypes 26775-26780
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1119, pl. 20, figs. 283-294.
Recent, l.s.d. 16, sec. 29, tp. 25, rge. 25, W. Prin. mer., Manitoba.

*Candona stagnalis* Sars
Hypotypes 26781-26786
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1119, pl. 20, figs. 295-301; pl. 21, figs. 302-305.
Recent, l.s.d. 3, sec. 12, tp. 39, rge. 26, W. Prin. mer., Manitoba, and l.s.d. 14, sec. 33, tp. 22, rge. 21, W. 2nd mer., Saskatchewan.

*Candona subacuminata* Delorme
Holotype 26791; paratypes 26787-26790, 26792
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1120, pl. 21, figs. 306-318.
Recent, l.s.d. 1, sec. 20, tp. 25, rge. 9, W. 2nd mer., Saskatchewan.

*Candona subtriangulata* Benson and MacDonald
Hypotypes 23674, 23675
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 867, pl. 4, figs. 48, 49.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Candona subtriangulata* Benson and MacDonald
Hypotypes 26793-26798
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1121, pl. 22, figs. 319-331.
Recent, near Kenora, Ontario.

*Candona suburbana* Hoff
Hypotypes 26799-26801
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1121, pl. 23, figs. 332-339.
Recent, near Kenora, Ontario.

*Candona willmani* Staplin
Hypotype 23676-23679
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 867, pl. 4, figs. 50, 51.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Candona willmani* Staplin
Hypotypes 26802, 26803
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1122, pl. 23, figs. 340, 341.
Holocene, l.s.d. 13, sec. 11, tp. 5, rge. 9, W. Prin. mer., Manitoba.

*Carbonita agnes* (Jones)
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 15, fig. 22 [hypotype 12841].

*Ceratopsis* sp.
Fig. spec. 24011
Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 24, pl. 4, fig. 30.
Vauréal Formation, Upper Ordovician, Rivière à l'huile, a mile above its mouth, Anticosti Island, Quebec.

*Chlamydotheca arcuata* (Sars)
Hypotypes 24285-24287
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 1, p. 154, pl. 2, figs. 8-15.
Holocene, North Saskatchewan River valley within Edmonton city limits, l.s.d. 13, sec. 31, tp. 52, rge. 24, W. 4th mer., Alberta.

*Copelandella novascotica* (Jones and Kirkby)
Hypotypes 27615-31, 32, 34, 36, 41, 44, 27617, 27620a, c
Bless, M.J.M. and Jordan, H., 1971, Lethaia, vol. 4, no. 2, p. 187, figs. 2A-I.
Horton Bluff Formation, Mississippian, Horton Bluff, Nova Scotia.

*Cryptophyllus oboloides* (Ulrich and Bassler)
Hypotype 22222
Copeland, M.J., in Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, pl. 23, fig. 2.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Cryptophyllus oboloides* (Ulrich and Bassler)
Hypotype 27659
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. A, fig. 3.
Bobcaygeon Formation, Middle Ordovician, north side of road-cut on Highway 68, 1 mile west of McGregor Bay railroad-highway crossing, Ontario.

*Cyclocypris ampla* Furtos
Hypotypes 23647-23649
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 863, pl. 2, figs. 21-23.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Cycloypris ampla* Furtos
Hypotype 24354-24356
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 2, p. 259, pl. 6, figs. 55-64.
Recent, l.s.d. 5, sec. 15, tp. 16, rge. 1, W. Prin. mer., Manitoba.

*Cyclocypris laevis* Müller
Hypotypes 24357-24359
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 2, p. 260, pl. 6, figs. 65-69; pl. 7, figs. 70-72.
Recent, l.s.d. 4, sec. 34, tp. 17, rge. 1, W. Prin. mer., Manitoba.

*Cyclocypris ovum* (Jurine)
Hypotype 24360-24362
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 2, pl. 261, pl. 7, figs. 73-78.
Recent, l.s.d. 16, sec. 23, tp. 5, rge. 11, W. Prin. mer., Manitoba.

*Cyclocypris serena* (Koch)
Hypotypes 24363, 24671, 24672
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 2, p. 261, pl. 7, fig. 79-85; pl. 8, figs. 86, 87.
Recent, l.s.d. 13, sec. 21, tp. 8, rge. 25, W. Prin. mer., Manitoba.

*Cyclocypris sharpei* Furtos
Hypotypes 23650, 23651
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 864, pl. 2, figs. 24, 25.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long 139°54'W, Yukon.

*Cyclocypris sharpei* Furtos
Hypotypes 24673-24675
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 2, p. 262, pl. 8, figs. 88-95.
Recent, l.s.d. 13, sec. 21, tp. 8, rge. 25, W. Prin. mer., Manitoba.

*Cypria curvifurcata* Klie
Hypotypes 24676, 24677
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 2, p. 262, pl. 8, figs. 96, 97.
Recent, l.s.d. 16, sec. 33, tp. 5, rge. 29, W. 3rd mer., Saskatchewan.

*Cypria obesa* Sharpe
Hypotypes 24678-24680
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 2, p. 263, pl. 8, figs. 98-100; pl. 9, figs. 101-104.
Recent, l.s.d. 5, sec. 15, tp. 16, rge. 1, W. Prin. mer., Manitoba.

*Cypria ophthalmica* (Jurine)
Hypotypes 23652-23654
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 864, pl. 2, figs. 26-28.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Cypria ophthalmica* (Jurine)
Hypotypes 24681-24683
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 2, p. 263, pl. 9, figs. 105-111.
Recent, l.s.d. 9, sec. 36, tp. 17, rge. 3, W. Prin. mer., Manitoba.

*Cypria palustera* Furtos
Hypotypes 24684-24686
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 2, p. 264, pl. 10, figs. 112-117.
Recent, l.s.d. 15, sec. 29, tp. 65, rge. 22, W. 4th mer., Alberta.

*Cypricercus deltoidea* Delorme
Hypotype 24290; paratypes 24288, 24289, 24291
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 1, p. 155, pl. 3, figs. 16-26.
Recent. l.s.d. 12, sec. 5, tp. 10, rge. 6, W. Prin. mer., Manitoba, and l.s.d. 16, sec. 21, tp. 21, rge. 20, W. 2nd mer., Saskatchewan.

*Cypricercus horridus* Sars
Hypotypes 24292-24295
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 1, p. 156, pl. 4, figs. 27-34.
Recent, l.s.d. 4, sec. 15, tp. 16, rge. 4, E. Prin. mer., Manitoba, and l.s.d. 2, sec. 35, tp. 41, rge. 3, W. 2nd mer., Saskatchewan.

*Cypricercus reticulatus* (Zaddach)
Hypotypes 24296-24299
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 1, p. 157, pl. 5, figs. 35-44.
Recent, l.s.d. 4, sec. 23, tp. 29, rge. 3, W. 2nd mer., and l.s.d. 16, sec. 34, tp. 42, rge. 7, W. 2nd mer., Saskatchewan.

*Cypricercus tuberculatus* (Sharpe)
Hypotypes 24300-24303
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 1, p. 158, pl. 6, figs. 45-52.
Recent, l.s.d. 4, sec. 15, tp. 16, rge. 4, E. Prin. mer., Manitoba.

*Cypridina acadica* Bell
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 15, fig. 6 [holotype 7742].

*Cypridopsis aculeata* (Liljeborg)
Hypotypes 23638, 23639
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 862, pl. 2, figs. 12, 13.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139° 54'W, Yukon.

*Cypridopsis aculeata* (Liljeborg)
Hypotypes 24329-24331
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 2, p. 253, pl. 1, figs. 1-8.
Recent, l.s.d. 14, sec. 20, tp. 44, rge. 23, W. 3rd mer., Saskatchewan.

*Cypridopsis okeechobei* Furtos
Hypotypes 24332, 24333
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 2, p. 254, pl. 1, figs. 9, 10.
Recent, l.s.d. 10, sec. 21, tp. 21, rge. 14, W. 3rd. mer., Saskatchewan.

*Cypridopsis vidua* (Müller)
Hypotypes 23640-23642
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 862, pl. 2, figs. 14-16.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Cypridopsis vidua* (Müller)
Hypotypes 24334-24336
Delorme, L.D., 1971, Can. J. Zoology, vol. 48, no. 2, p. 254, pl. 1, figs. 11, 12; pl. 2, figs. 13-17.
Recent, l.s.d. 3, sec. 26, tp. 37, rge. 24, W. 2nd mer., Saskatchewan.

*Cyprinotus carolinensis* Ferguson
Hypotypes 24304-24306
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 1, p. 159, pl. 7, figs. 53-58.
Recent, l.s.d. 4, sec. 3, tp. 52, rge. 7, W. 5th mer., Alberta.

*Cyprinotus glaucus* Furtos
Hypotypes 23629-23632
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 860, pl. 1, figs. 3-6.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W.

*Cyprinotus glaucus* Furtos
Hypotypes 24307-24309
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 1, p. 159, pl. 7, figs. 59-66.
Recent, l.s.d. 16, sec. 9, tp. 16, rge. 4, W. Prin. mer., Manitoba.

*Cyprinotus incongruens* (Ramdohr)
Hypotypes 24310-24312
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 1, p. 160, pl. 8, figs. 67-74.
Recent, l.s.d. 1, sec. 28, tp. 77, rge. 6, W. 6th mer., Alberta.

*Cyprinotus salinus* (Brady)
Hypotypes 24313, 24314
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 1, p. 161, pl. 8, figs. 75, 76.
Recent, l.s.d. 3, sec. 13, tp. 44, rge. 25, W. Prin. mer., Manitoba.

*Cypris pubera* Müller
Hypotypes 23627, 23628
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 860, pl. 1, figs. 1, 2.
Pleisotcene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Cypris pubera* Müller
Hypotypes 24282-24284
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 1, p. 153, pl. 1, figs. 1-7.
Recent, l.s.d. 5, sec. 1, tp. 39, rge. 23, W. 2nd mer., and l.s.d. 4, sec. 27, tp. 44, rge. 10, W. 2nd mer., Saskatchewan.

*Cyprois marginata* Strauss
Hypotypes 25647-25652
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 6, p. 1255, pl. 4, figs. 43-48; pl. 5, figs. 49-56.
Recent, l.s.d. 3, sec. 8, tp. 17, rge. 15, W. Prin. mer., Manitoba; l.s.d. 1, sec. 16, tp. 56, rge. 5, W. 5th mer., Alberta; and l.s.d. 1, sec. 1, tp. 23, rge. 19, W. 2nd mer., Saskatchewan.

*Cytherellina*? sp.
Fig. spec. 24000
Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 21, pl. 4, fig. 18.
Vauréal Formation, Uppper Ordovician, logging road, a mile north of bridge over Beaver Cove River, Anticosti Island, Quebec.

*Cytheridea punctillata* Brady
Hypotype 20168
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 5, fig. 9.
Pleistocene, just below Chute à Jimmy, east bank of Batiscan River, Québec.
= *Paracyprideis pseudopunctillata*, Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 45, pl. 6, fig. 2.

*Cytheridea* sp.
Fig. spec. 20167
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 45, pl. 6, fig. 1.
Pleistocene, Toll Gate Road, Cornwall, lot 15, con. 3, Cornwall tp., Stormont co., Ontario.

*Cytheridea* sp.
Fig. spec. 20169
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 5, fig. 19.
Pleistocene, just below Chute à Jimmy, east bank of Batiscan River, Québec, = *Eucytheridea punctillata*, Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 45, pl. 6, fig. 3.

*Cytherissa lacustris* (Sars)
Hypotypes 23688-23691
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 870, pl. 5, figs. 59-62.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Cytherissa lacustris* (Sars)
Hypotypes 25656-25658
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 6, p. 1257, pl. 6, figs. 63-72
Recent, l.s.d. 8, sec. 20, tp. 35, rge. 19, W. Prin. mer., Manitoba.

*Cytheromorpha fuscata* (Brady)
Hypotypes 27605-27612
Delorme, L.D., 1971, Can. J. Zoology, vol. 49, no. 1, p. 59, pl. 18, figs. 250-259; pl. 19, figs. 273-278.
Recent, l.s.d. 8, sec. 20, tp. 35, rge. 19, W. Prin. mer., Manitoba.

*Cytheropteron* sp.
Fig. specs. 20173, 20175
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 5, figs. 17, 18.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 45, pl. 6, figs. 7, 9.
Pleistocene, on west bank of Batiscan River, 2 miles east-southeast of Ste. Geneviève, Québec, and bank of St. Lawrence River at creek 7 miles east of Morrisburg, Ontario.

*Cytheropteron* sp.
Fig. spec. 20174
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 45, pl. 6, fig. 8.
Pleistocene, east bank Grande Rivière du Chêne, just south of Highway 9, Quebec.

*Cytherura* sp.
Fig. spec. 20171
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 5, fig. 14.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 45, pl. 6, fig. 4.
Pleistocene, east bank of Grande Rivière du Chêne, just south of Highway 9, Quebec.

*Cytherura* sp.
Fig. spec. 20172
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 45, pl. 6, fig. 6.
Pleistocene, vicinity of Hydro-Electric Power Commission of Ontario office, Cornwall, Ontario.

*Darwinula stevensoni* (Brady and Robertson)
Hypotypes 25653-25655
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 6, p. 1256, pl. 5, figs. 57, 58; pl. 6, figs. 59-62.
Recent, l.s.d. 1, sec. 32, tp. 12, rge. 15, E. Prin. mer., Manitoba.

*Dicranella bicornis* Ulrich
Hypotypes 22246, 22247
Copeland, M.J., in Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, pl. 23, figs. 26, 27.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Dihogmochilina boothia* Copeland
Holotype 23973; paratypes 23974-23978
Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 12, pl. 3, figs. 1-7.
Middle Silurian, lat. 71°31'N, long. 94°12'W, northeastern Boothia Peninsula, Northwest Territories.

*Dihogmochilina latimarginata* (Jones)
Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 11, pl. 2, figs. 1-9, 10-13 [lectotype 6055, a; paralectotypes 6055b-i; hypotypes 6057, 17089]; pl. 3, figs. 12, 13 [hypotype 20619].
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M., and Sinclair, G.W., 1970, ibid., Econ. Geol. Rept. 1, pl. 8, fig. 19 [17089].

*Dihogmochilina latimarginata* (Jones)
Hypotypes 23968-23972, 23979-23981
Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 11, pl. 2, figs. 10, 14-20; pl. 3, figs. 8-11, 14, 15.
Middle Silurian, Roche Rouge, Saskatchewan River, Manitoba; lat. 50°41'N, long. 79°17.5'W, Harricanaw River, Quebec [23979]; and NW¼ sec. 6, T.44N, R.8W, Mackinac co., Michigan, U.S.A. [23980, 23981].

*Dihogmochilina latimarginata* (Jones)
Hypotype 26341
Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 9, pl. 2, fig. 20.
Middle Silurian, lat. 66°44'06"N, long. 82°28"W. Southampton Island, District of Keewatin.

*Diplopsis* sp. cf. *D. frequens* (Steusloff)
Hypotype 22228
Copeland, M.J., in Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, pl. 23, fig. 8.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Dizygopleura chaleurensis* Copeland

McLaren, D.J., Norris, A.W. and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 11, fig. 17 [paratype 14531c].

*Dizygopleura symmetrica* (Hall)

Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M. and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 7, fig. 8 [hypotype 15196b].

*Dolerocypris fasciata* (Müller)

Hypotypes 24315-24317

Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 1, p. 162, pl. 9, figs. 77-85.

Recent, l.s.d. 12, sec. 8, tp. 20, rge. 17, W. Prin. mer., Manitoba.

*Ellesclavus cummingsi* McGill

Holotype 22677a; paratypes 22677b-e

McGill, P., 1968, Internat. Symp. Devonian System, vol. 2, p. 1079, pl. 3, figs. 5-8.

Kee Scarp Formation, Middle Devonian, Carcajou Ridge, 1 mile from Mackenzie River, lat. 65°37'N, long. 128°15'W, Northwest Territories.

*Eographiodactylus billingsi* Copeland

Holotype 23987; paratypes 23988-23991, 23997

Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 19, pl. 4, figs. 6-9, 15, 19.

Vauréal Formation, Upper Ordovician, Beaver Cove road at west end of bridge over Beaver Cover River, Anticosti Island, Quebec.

*Eokloedenella canadensis* (Bassler)

Hypotypes 23995, 23996, 24138

Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 20, pl. 4, fig. 13, 14; pl. 5, fig. 1.

Vauréal Formation, Upper Ordovician, Pointe à l'epinette, a mile east of mouth of MacDonald River, Anticosti Island, Quebec.

*Eoleperditia fabulites* (Conrad)

Hypotypes 27662-27664

Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. A, figs. 13, 19, 20.

Lindsay Formation, Middle Ordovician, west end of railway-cut on Goat Island near Highway 68, Ontario.

*Eoleperditia vaurealensis* (Twenhofel)

Hypotype 24161

Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 27, pl. 5, figs. 24-27.

Vauréal Formation, Upper Ordovocian, a mile north of main road, on first tote road east of Chicoigne's 1966 camp, Anticosti Island, Quebec.

*Eucypris crassa* (Müller)
Hypotype 23633
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 860, pl. 1, fig. 7.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Eucypris crassa* (Müller)
Hypotypes 24318-24320
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 1, p. 163, pl. 10, figs. 86-92.
Recent, l.s.d. 5, sec. 35, tp. 53, rge. 5, W. 3rd mer., Saskatchewan.

*Eucypris foveata* Delorme
Holotype 23634; paratypes 23635-23637
Delorme, L.D.,
1968, Can. J. Zoology, vol. 46, no. 5, p. 861, pl. 1, figs. 8-11.
1970, ibid., vol. 48, no. 1, p. 164, pl. 12, figs. 100-103.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Eucpris serrata* (Müller)
Hypotypes 24324-23426
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 1, p. 164, pl. 11, figs. 93-99; pl. 12, figs. 104, 105.
Recent, l.s.d. 1, sec. 21, tp. 2, rge. 8, W. Prin. mer., Manitoba.

*Eucypris virens* (Jurine)
Hypotypes 24327, 24328
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 1, p. 165, pl. 12, figs. 106, 107.
Recent, l.s.d. 7, sec. 21, tp. 5, rge. 25, W. 4th mer., Alberta.

*Euprimitia labiosa* (Ulrich)
Hypotype 27658
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. A, fig. 2.
Gull River Formation, Middle Ordovician, road-cut on Highway 68, 0.4 mile south of Roosevelt Memorial, Ontario.

*Eurychilina subradiata* Ulrich
Hypotypes 22249-22251
Copeland, M.J., in Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, pl. 23, figs. 29-31.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Evlanella joussardensis* McGill
Hypotypes 22675a, b
McGill, P., 1968, Internat. Symp. Devonian System, vol. 2, p. 1077, pl. 2, figs. 16-19.
Kee Scarp Formation, Middle Devonian, Caracjou Ridge, 1 mile from Mackenzie River, lat. 65°37'N, long. 128°15'W, Northwest Territories.

*Falsipollex* cf. *F. sufflatus* Becker
Hypotypes 2267a-e
McGill, P., 1968, Internat. Symp. Devonian System. vol. 2, p. 1072, pl. 1, figs. 1-10.
Kee Scarp Formation, Middle Devonian, Carcajou Ridge, 1 mile from Mackenzie River, lat. 65°37'N, long. 128°15'N, Northwest Territories.

*Gutschickia bretonensis* Copeland
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 15, fig. 24 [paratype 12836b].

*Hallatia particylindrica* Kay
Hypotype 22238
Copeland, M.J., in Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, pl. 23, fig. 18.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Haploprimitia delormensis* McGill
Holotype 20258
McGill, P., J. Pal., vol. 37, no. 6, p. 1286, pl. 181, figs. 1-4.
Upper Silurian, Delorme Range, lat. 62°48'N, long. 125°21'W, Northwest Territories.

*Hemicythere* sp.
Fig. spec. 20176
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 5, fig. 11.
Pleistocene, pit 1.4 miles southeast of St. Philomène, Québec.
= *Baffincythere emarginata*, Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 45, pl. 6, fig. 10.

*Hemicytherura* sp.
Fig. spec. 20177
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 45, pl. 6, fig. 11.
Pleistocene, pit 1.4 miles southeast of St. Philomène, Québec.

*Herpetocypris reptans* (Baird)
Hypotypes 24348-24350
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 2, p. 257, pl. 4, figs. 37-45; pl. 5, figs. 45, 46.
Recent, l.s.d. 5, sec. 27, tp. 5, rge. 9, W. 4th mer., Alberta.

*Herrmannina* sp.
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photo 32 [fig. spec. 20509].

*Herrmannina* sp.
Fig. spec. 27700
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. C, fig. 15.
Wingfield Formation, Middle Silurian, east shore MacRae Cove, south end of Meldrum Bay, Manitoulin Island, Ontario.

*Herrmannina*(?) sp.
Fig. spec. 23584
Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photo 28.
Fossil Hill Formation, Middle Silurian, top of escarpment, first road into Obigewong Indian Reserve No. 21 west of Wolsey Lake-Campbell Bay causeway, Manitoulin Island, Ontario.

*Heterocyprideis sorbyana* (Jones)
Hypotype 20170
Wagner, F.J.E.,
1969, La Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 5, fig. 12.
1971, Geol. Surv. Can., Bull. 180 (1970), p. 45, pl. 6, fig. 4.
Pleistocene, Sherbrooke and Mansfield Streets, Montreal, Québec.

*Hilboldtina evelinae* (Jones)
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 15, fig. 23 [hypotype 12832].

*Hollinella subcircularis* Turner
= *Hollinella (Keslingella) antespinosa*, Bless, M.J.M. and Jordan, H., 1972, Med. Rijhs Geolog. Dienst., ser. C, vol. 3, no. 1, p. 47, pl. 18, fig. 2 [hypotype 9398].

*Ilyocypris biplicata* (Koch)
Hypotypes 23683, 23684
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 869, pl. 4, figs. 54, 55.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Ilyocypris biplicata* (Koch)
Hypotypes 25622-25624
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 6, p. 1251, pl. 1, figs. 1-3.
Recent, l.s.d. 4, sec. 26, tp. 53, rge. 19, W. 4th mer., Alberta.

*Ilyocypris bradyi* Sars
Hypotype 23685
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 869, pl. 5, fig. 56.
Pleistocene, south side of Porcupine River near Old Crow. lat. 67°28'N, long. 139°54'W, Yukon.

*Ilyocypris bradyi* Sars
Hypotypes 25625-25628
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 6, p. 1252, pl. 1, figs. 4-12.
Recent, l.s.d. 9, sec. 26, tp. 10, rge. 20, W. Prin. mer., Manitoba.

*Ilyocypris dentifera* Sars
Hypotypes 25629, 25630
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 6, p. 1252, pl. 1, figs. 13, 14.
Pleistocene, ¾ mile ESE of Heart Hill, SE¼ sec. 30, tp. 33, rge. 26, W. Prin. mer., Duck Mountain, Manitoba.

*Ilyocypris gibba* (Ramdohr)
Hypotype 23686, 23687
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 870, pl. 5, figs. 57, 58.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Ilyocypris gibba* (Ramdohr)
Hypotypes 25631-25635
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 6, p. 1253, pl. 2, figs. 15-24.
Recent, l.s.d. 14, sec. 2, tp. 59, rge. 15, W. 3rd mer., Saskatchewan, and l.s.d. 12, sec. 11, tp. 26, rge. 4, W. 5th mer., Alberta.

*Isocypris quadrisetosa* Rome
Hypotypes 24321-24324
Delorme, L.D., 1972, Can. J. Zoology, vol. 48, no. 1, p. 166, pl. 13, figs. 108-115.
Recent, l.s.d. 13, sec. 24, tp. 32, rge. 11, W. 4th mer., Alberta.

*Jonesites semilunatus* (Jones)
Hypotypes 23992, 24151
Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 19, pl. 4, fig. 10; pl. 5, fig. 14.
Vauréal Formation, Upper Ordovician, Pointe à l'epinette, a mile east of mouth of MacDonald River, Anticosti Island, Quebec.

*Kloedenia retifera Ulrich* and Bassler
McLaren, D.J., Norris, A.W. and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 11, fig. 18 [hypotype 14540f].

*Kloedenia wilckensiana* (Jones)
Norford, B.S., Bolton, T.W., Copeland, M.J., Cumming, L.M. and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 7, fig. 13 [hypotype 14514].

*Krausella anticostiensis* (Jones)
Hypotypes 24159, 24160
Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 27, pl. 5, figs. 22, 23.
Vauréal Formation, Upper Ordovician, Beaver Cove road at east end of bridge over Beaver Cove River, Anticosti Island, Quebec.

*Krausella arcuata* Ulrich
Hypotype 22229
Copeland, M.J., in Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, pl. 23, fig. 9.
Wilderness Stage, Middle Orodvician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Krausella* sp. cf. *K. arcuata* Ulrich
Hypotype 24010
Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 23, pl. 4, fig. 29.
Vauréal Formation, Upper Ordovician, Beaver Cove road at west end of bridge over Beaver Cove River, Anticosti Island, Quebec.

*Krausella* sp. cf. *K. arcuata* Ulrich
Hypotype 27661
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. A, fig. 5.
Bobcaygeon Formation, Middle Ordovician, north side of road-cut on Highway 68, 1 mile west of McGregor Bay railroad-highway crossing, Ontario.

*Krausella brevicornis* (Keenan)
Hypotype 24162
Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 28, pl. 5, fig. 28.
Varuéal Formation, Upper Ordovician, main road, on west side of west branch of small creek flowing northward into Squaw Cove, Anticosti Island, Quebec.

*Krausella calvini* (Kay)
Hypotypes 22230-22233
Copeland, M.J., in Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, pl. 23, figs. 10-13.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Laccoprimitia*? sp.
Fig. specs. 24139, 24140
Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 24, pl. 5, figs. 2, 3.
Vauréal Formation, Upper Ordovician, main road, on west side of west branch of small creek flowing northward into Squaw Cove, Anticosti Island, Quebec.

*Leperditella*? *billingsi* Copeland
Holotype 24148; paratypes 24143, 24144, 24149
Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 25, pl. 5, figs. 6, 7, 11, 12.
Vauréal Formation, Upper Ordovician, main road, on west side of west branch of small creek flowing northward into Squaw Cove, Anticosti Island, Quebec.

*Leperditella* sp. cf. *L. tumida* (Ulrich)

Hypotype 22245

Copeland, M.J., in Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, pl. 23, fig. 25.

Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*"Leperditia" caeca* Jones

Hypotype 26335

Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 8, pl. 2, figs. 4, 5.

Bolton, T.E. and Copeland, M.J., 1972, ibid., Paper 72-15, pl. 11, fig. 18.

Thornloe Formation, Middle Silurian, roadside exposure, lot 12, cons. V-VI, Dymond tp., Ontario.

*"Leperditia" fabulina* Jones

Hypotypes 26332, 26336-26338, 26341

Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 6, pl. 2, figs. 1, 7-9, 13, 15, 20.

Bolton, T.E. and Copeland, M.J., 1972, ibid., Paper 72-15, pl. 5, fig. 19 [26336].

Thornloe Formation, Middle Silurian, near middle of escarpment above gravel pit at shore, lot 5, con. II, Harris tp. [26332] and Highway 65 northeast of New Liskeard, northwest corner of lot 3, con. V, Harris tp. [26336, 26337], Ontario; Hendricks Formation, small quarry southwest of Blaney, Michigan, U.S.A. [26338]; and Middle Silurian, lat. 64°44'06"N, long. 82°28'W, Southampton Island, District of Keewatin [26341].

*"Leperditia" fabulina* Jones

Hypotypes 30407b, 30410a, 30411a, 30442a

Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 1, figs. 19, 20, 22; pl. 5, fig. 5.

Wabi and Thornloe Formations, Middle Silurian, 1,000 feet upriver from bridge over Evanturel Creek, south of Englehart, and lots 2-3, con. V, Harris tp., Ontario.

*Leperditia gibbera* Jones

Hypotypes 24842, 24843

Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 24, pl. 3, figs. 1, 2.

Basal Peel Sound Formation, Upper Silurian, northern coast of Prince of Wales Island, District of Franklin.

*Leperditia hisingeri* Schmidt

= *"Leperditia" hisingeri*, Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 8, pl. 2, figs. 23 [hypotype 8752b], 24 [hypotype 8752].

= *"Leperditia" fabulina*, Copeland, M.J., 1971, ibid., p. 6, pl. 2, fig. 14 [hypotype 8752a].

*"Leperditia" hisingeri* Schmidt
Hypotypes 26339, 26340, 26342
Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 8, pl. 2, figs. 17, 18, 21.
Bolton, T.E. and Copeland, M.J., 1972, ibid., Paper 72-15, pl. 1, figs. 11, 15 [26342, 26339 ]; pl. 5, fig. 13 [26340].
Wabi and Thornloe Formations, Middle Silurian, Evanturel Creek 1,000 feet above [26339] and at bridge [26342] on road between Heaslip and Kap-Kig-Iwan Provincial Park, south of Englehart, and Highway 65, northeast of New Liskeard, northwest corner of lot 3, con. V, Harris tp. [26340] Ontario.

*Leperditia hisingeri* var. *fabulina* Jones
= *"Leperditia" fabulina,* Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 6, ol. 2, figs. 16 [hypotype 8753], 19 [syntype 6052a], 22 [syntype 6052].

*Leperditia hisingeri* var. *gibbera* Jones
= *"Leperditia" longigibbera,* Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 7, pl. 2, fig. 10 [holotype 8754].

*"Leperditia" longigibbera* Swartz
Hypotype 26343
Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 7, pl. 2, fig. 11.
Middle Silurian, Long Point, Lake Winnipegosis, Manitoba.

*"Leperditia"* cf. *"L". marginata* (Keyserling)
Hypotypes 26333, 26334
Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 9, pl. 2, figs. 2, 3.
Bolton, T.E. and Copeland, M.J., 1972, ibid., Paper 72-15, pl. 9, fig. 22 [26334],
Thornloe Formation, Middle Silurian, 5 feet below top of Macnamara quarry, lot 6, con. VI, Armstrong tp., Ontario.

*Leperditia phaseola* (Hisinger)
= *"Leperditia" phaseolus,* Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 9, pl. 2, fig. 12 [hypotype 8755a].

*Leperditia whiteavesii* Jones
= *"Leperditia" whiteavesi,* Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 8, pl. 2, fig. 6 [syntype 8751a].

*Leptocythere* sp.
Fig. spec. 20178
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 5, fig. 13.
Pleistocene, corner of Masson and d'Iberville Streets, Montreal, Québec.
= *Leptocythere macchesneyi,* Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 45, pl. 6, fig. 12.

*Levisulculus michiganensis* Kesling
Hypotypes 22241, 22242
Copeland, M.J., in Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, pl. 23, figs. 21, 22.
Wilderness Stage, Middle Ordovician, Braeside quarry , con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Libumella carcajouensis* McGill
Holotype 22668a; paratypes 22668b-d
McGill, P., 1968, Internat. Symp. Devonian System, vol. 2, p. 1072, pl. 1, figs. 11-14.
Kee Scarp Formation, Middle Devonian, Carcajou Ridge, 1 mile from Mackenzie River, lat. 65°37'N, long. 128°15'W, Northwest Territories.

*Limnocythere camera* Delorme
Hypotypes 23692-23694
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 871, pl. 5, figs. 63-65.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Limnocythere (Limnocytherina) camera* Delorme
Hypotypes 27465-27470
Delorme, L.D., 1971, Can. J. Zoology, vol. 49, no. 1, p. 43, pl. 1, figs. 1-6; pl. 6, figs. 81, 82.
Recent, l.s.d. 3, sec. 11, tp. 29, rge. 20, W. 3rd mer., Saskatchewan, and l.s.d. 8, sec. 5, tp. 31, rge. 10, W. 4th mer., Alberta.

*Limnocythere (Limnocytherina) ceriotuberosa* Delorme
Hypotypes 27471-27478
Delorme, L.D., 1971, Can. J. Zoology, vol. 49, no. 1, p. 44, pl. 1, figs. 7-18; pl. 2, fig. 19; pl. 6, figs. 83-86.
Recent, l.s.d. 16, sec. 3, tp. 21, rge. 13, W. 2nd mer., Saskatchewan.

*Limnocythere friabilis* Benson and MacDonald
Hypotypes 23695-23697
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 871, pl. 5, figs. 66, 67.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Limnocythere (Limnocytherina) friabilis* Benson and MacDonald
Hypotypes 27479-27486
Delorme, L.D., 1971, Can. J. Zoology, vol. 49, no. 1, p. 45, pl. 2, figs. 20-30; pl. 6, figs. 87, 88.
Recent, l.s.d. 16, sec. 35, tp. 25, rge. 17, W. 4th mer., Alberta.

*Limnocythere herricki* Staplin
Hypotypes 23698-23701
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 872, pl. 5, figs. 68-71.
Pleistocene, south side of Porcupine river near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Limnocythere (Limnocytherina) herricki* Staplin
Hypotypes 27487-27494
Delorme, L.D., 1971, Can. J. Zoology, vol. 49, no. 1, pl. 2, figs. 31-35; pl. 3, figs. 37-44; pl. 6, figs. 89, 90.
Recent, l.s.d. 14, sec. 11, tp. 45, rge. 23, W. 2nd mer., Saskatchewan.

*Limnocythere (Limnocytherina) illinoisensis* Sharpe
Hypotypes 27495-27500
Delorme, L.D., 1971, Can. J. Zoology, vol. 49, no. 1, p. 46, pl. 3, figs. 45-48; pl. 6, figs. 91-94.
Recent, l.s.d. 10, sec. 9, tp. 58, rge. 25, W. Prin. mer., Manitoba.

*Limnocythere inopinata* (Baird)
Hypotypes 23702, 23703
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 872, pl. 5, figs. 72, 73.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Limnocythere inopinata* (Baird)
Hypotypes 27501-27504
Delorme, L.D., 1971, Can. J. Zoology, vol. 49, no. 1, p. 47, pl. 3, figs. 49, 50; pl. 4, figs. 51-55; pl. 6, fig. 95.
Recent, l.s.d. 6, sec. 14, tp. 1, rge. 20, W. Prin. mer., Manitoba.

*Limnocythere (Limnocytherina) iowensis* Danforth
Hypotypes 27505-27512
Delorme, L.D., 1971, Can. J. Zoology, vol. 49, no. 1, p. 48, pl. 4, figs. 56-66; pl. 5, fig. 67; pl. 6, figs. 96-99.
Recent, l.s.d. 13, sec. 16, tp. 5, rge. 1, E Prin. mer., Manitoba

*Limnocythere (Limnocytherina) itasca* Cole
Hypotypes 27513-27520
Delorme, L.D., 1971, Can. J. Zoology, vol. 49, no. 1, p. 48, pl. 5, figs. 68-80; pl. 6, figs. 100, 101.
Recent, l.s.d. 4, sec. 8, tp. 3, rge. 9, W. 3rd mer., Saskatchewan.

*Limnocythere liporeticulata* Delorme
Holotype 23706; paratypes 23707-23712
Delorme, L.D.,
1968, Can. J. Zoology, vol. 46, no. 5, p. 873, pl. 5, figs. 76-80.
1971, ibid., vol. 49, no. 1, p. 49, pl. 6, figs. 102, 103; pl. 11, figs. 162-164.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Limnocythere (Limnocytherina) paraornata* Delorme
Holotype 27527; paratypes 27521-27526, 27528
Delorme, L.D., 1971, Can. J. Zoology, vol. 49, no. 1, p. 50, pl. 7, figs. 104-115; pl. 11, figs. 165-168.
Recent, l.s.d. 1, sec. 20. tp. 7, rge. 22, W. Prin. mer. and l.s.d. 13, sec. 16, tp. 5, rge. 1, E. Prin. mer., Manitoba.

*Limnocythere (Limnocytherina) parascutariense* Delorme
Holotype 27535; paratypes 27529-27534, 27536
Delorme, L.D., 1971, Can. J. Zoology, vol. 49, no. 1, p. 50, pl. 8, figs. 116-128; pl. 11, figs. 169, 170.
Recent, l.s.d. 13, sec. 24, tp. 28, rge. 20, W. Prin. mer., Manitoba.

*Limnocythere platyforma* Delorme
Holotype 27537; paratype 27538
Delorme, L.D., 1971, Can. J. Zoology, vol. 49, no. 1, p. 51, pl. 8, figs. 129, 130.
Recent, l.s.d. 11, sec. 7, tp. 16, rge. 22, W. 4th mer., Alberta.

*Limnocythere (Limnocytherina) posterolimba* Delorme
Hypotypes 27539-27546
Delorme, L.D., 1971, Can. J. Zoology, vol. 49, no. 1, p. 52, pl. 9, figs. 131-144; pl. 11, figs. 171-174.
Recent, l.s.d. 4, sec. 27, tp. 5, rge. 17, W. 4th mer. and l.s.d. 15, sec. 19, tp. 4, rge. 10, W. 4th mer., Alberta.

*Limnocythere (Limnocytherina) pseudoreticulata* Staplin
Hypotypes 27547-27554
Delorme, L.D., 1971, Can. J. Zoology, vol. 49, no. 1, p. 52, pl. 10, figs. 145-155; pl. 11. figs. 175, 176.
Recent, l.s.d. 3, sec. 5, tp. 31, rge. 3, W. 4th mer., Alberta.

*Limnocythere reticulata* Sharpe
Hypotypes 27555-27557
Delorme, L.D., 1971, Can. J. Zoology, vol. 49, no. 1, p. 53, pl. 10, figs. 156, 157; pl. 19, fig. 260.
Recent, l.s.d. 4, sec. 2, tp. 23, rge. 16, W. Prin. mer., Manitoba.

*Limnocythere* cf. *L. sancti-patricii* Brady and Robertson
Hypotypes 23704, 23705
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 873, pl. 5, figs. 74, 75.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Limnocythere (Limnocytherina) sanctipatricii* Brady and Robertson
Hypotypes 27558-27565
Delorme, L.D., 1971, Can. J. Zoology, vol. 49, no. 1, p. 54, pl. 12, figs. 177-187; pl. 19, figs. 261, 262.
Recent, l.s.d. 5, sec. 23, tp. 13, rge. 8, W. 2nd mer., Saskatchewan.

*Limnocythere sappaensis* Staplin
Hypotypes 27566-27573
Delorme, L.D., 1971, Can. J. Zoology, vol. 49, no. 1, p. 55, pl. 12, figs. 188-193; pl. 13, figs. 194-200; pl. 19, figs. 263-264
Recent, l.s.d. 5, sec. 16, tp. 5, rge. 14, W. Prin. mer., Mantioba.

*Limnocythere (Limnocytherina) sharpei* Staplin
Hypotypes 27574-27581
Delorme, L.D., 1971, Can. J. Zoology, vol. 49, no. 1, p. 56, pl. 13, figs. 201-204; pl. 14, figs. 205-212; pl. 19, figs. 265-266.
Recent, l.s.d. 16, sec. 1, tp. 34, rge. 23, W. 4th mer., Alberta.

*Limnocythere (Limnocytherina) staplini* Gutentag and Benson
Hypotypes 27582-27589
Delorme, L.D., 1971, Can. J. Zoology, vol. 49, no. 1, p. 56, pl. 14, figs. 213-217; pl. 15, figs. 218-223; pl. 19, figs. 267, 268.
Recent, l.s.d. 3, sec. 6, tp. 33, rge. 16, W. 2nd mer., Saskatchewan.

*Limnocythere (Limnocytherina) varia* Staplin
Hypotypes 27590-27595
Delorme, L.D., 1971, Can. J. Zoology, vol. 49, no. 1, p. 57, pl. 15, figs. 224-229; pl. 16, figs. 230-236; pl. 19, figs. 269, 270.
Recent, l.s.d. 5, sec. 22, tp. 17, rge. 1, W. 3rd mer., Saskatchewan.

*Limnocythere (Limnocytherina) verrucosa* Hoff
Hypotypes 27598-27604
Delorme, L.D., 1971, Can. J. Zoology, vol. 49, no. 1, p. 58, pl. 16, figs. 237-239; pl. 17, figs. 240-249; pl. 19, figs. 271, 272.
Recent, Kenora area, Ontario.

*Limnocythere* sp.
Fig. spec. 20179
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6(1968), pl. 5, fig. 16.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 45, pl. 6, fig. 13.
Pleistocene, Morrisburg, Ontario.

*Macrocyproides trentonensis* (Ulrich)
Hypotypes 24142, 24147, 24152
Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 24, pl. 5, figs. 5, 10, 15.
Vauréal Formation, Upper Ordovician, Vauréal River a short distance upstream from the mouth, and Pointe à l'epinette, a mile east of mouth of MacDonald River, Anticosti Island, Quebec.

*Macronotella* sp.
Fig. spec. 22248
Copeland, M.J., in Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, pl. 23, fig. 28.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Marginia sculpta* var. *multicostata* Polenova
Hypotype 22672
McGill, P., 1968, Internat. Symp. Devonian System, vol. 2, p. 1075, pl. 2, figs. 8, 9.
Kee Scarp Formation, Middle Devonian, Carcajou Ridge, 1 mile from Mackenzie River, lat. 65°37'N, long. 128°15'W, Northwest Territories.

*Megalocypris alba* (Dobbin)
Hypotypes 24164-24169
Delorme, L.D., 1969, Can. J. Zoology, vol. 47, no. 3, p. 274, pl. 1, figs. 1-4; pl. 4, fig. 22; pl. 5, fig. 28; pl. 6, figs. 34-40; pl. 7, figs. 41-46; pl. 8, figs. 47-49.
Recent, l.s.d. 5, sec. 25, tp. 37, rge. 12, W. 3rd mer., and l.s.d. 3, sec. 30, tp. 34, rge. 27, W. 3rd mer., Saskatchewan.

*Megalocypris barbata* (Forbes)
Hypotypes 24170-24173
Delorme, L.D., 1969, Can. J. Zoology, vol. 47, no. 3, p. 276, pl. 1, figs. 5, 6; pl. 2, figs. 7, 8; pl. 4, fig. 23; pl. 5, fig. 29.
Recent, l.s.d. 1, sec. 15, tp. 32, rge. 13, W. 4th mer., Alberta.

*Megalocypris ingens* (Delorme)
Topotypes 24174-24179
Delorme, L.D., 1969, Can. J. Zoology, vol. 47, no. 3, p. 276, pl. 2, figs. 9-12; pl. 4, fig. 24; pl. 5, fig. 32; pl. 8, figs. 50-54; pl. 9, figs. 55-63.
Recent, Waldsea Lake, l.s.d. 3, sec. 14, tp. 38, rge. 33, W. 2md mer., Saskatchewan.

*Megalocypris macra* (Blake)
Hypotypes 24180-24185
Delorme, L.D., 1969, Can. J. Zoology, vol. 47, no. 3, p. 277, pl. 3, figs. 13-16; pl. 4, fig. 25; pl. 5, fig. 30; pl. 10, figs. 64-71; pl. 11, figs. 72-76.
Recent, l.s.d. 1, sec. 20, tp. 3, rge. 14, W. 3rd mer., Saskatchewan; l.s.d. 16, sec. 27, tp. 45, rge. 4, W. 4th mer., Alberta; l.s.d. 12, sec. 8, tp. 22, rge. 21, W. 3rd mer., Saskatchewan; and l.s.d. 16, sec. 29, tp. 46, rge. 1, W. 4th mer., Alberta.

*Megalocypris pseudoingens* Delorme
Holotype 24186; paratypes 24187-24189
Delorme, L.D., 1969, Can. J. Zoology, vol. 47, no. 3, p. 278, pl. 3, figs. 17-21; pl. 4, figs. 26, 27; pl. 5, figs. 31, 33; pl. 11, figs. 77-79; pl. 12, figs. 80-86.
Recent, l.s.d. 16, sec. 25, tp. 14, rge. 19, W. 3rd mer., Saskatchewan, and l.s.d. 6, sec. 20, tp. 34, rge. 2, W. 4th mer., Alberta.

*Menoeidina meneleyi* McGill
Holotype 20259; paratype 20259a
McGill, P., 1963, J. Pal., vol. 37, no. 6, p. 1286, pl. 181, figs. 5, 6.
Upper Silurian, Delorme Range, lat. 62°48'N, long. 125°21'W, Northwest Territories.

*Mesomphalus magnificus* Copeland
McLaren, D.J., Norris, A.W. and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 11, fig. 19 [paratype 14537k].

*Microcheilinella amaliae* Kummerow

Hypotypes 22684a-c

McGill, P., 1968, Internat. Symp. Devonian System, vol. 2, p. 1083, pl. 4, figs. 18-22.

Kee Scarp Formation, Middle Devonian, Carcajou Ridge, 1 mile from Mackenzie River, lat. 65°37'N, long. 128°15'W, Northwest Territories.

*Microcheilinella* cf. *M. laudata* Rozhdestvenskaya

Hypotypes 22683a, b

McGill, P., 1968, Internat. Symp. Devonian System, vol. 2, p. 1083, pl. 4, figs. 14-17.

Kee Scarp Formation, Middle Devonian, Carcajou Ridge, 1 mile from Mackenzie River, lat. 65°37'N, long. 128°15'W, Northwest Territories.

*Milleratia twenhofeli* Copeland

Holotype 24157; paratypes 24150, 24153

Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 26, pl. 5, figs. 13, 16, 20.

Vauréal Formation, Upper Ordovician, Pointe à l'epinette, a mile east of mouth of MacDonald River, and main road, on west side of west branch of small creek flowing northward into Squaw Cove, Anticosti Island, Quebec.

*Moelleritia canadensis* Copeland

Hypotype 20690

McLaren, D.J., Norris, A.W. and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 9, fig. 3.

Middle Devonian, lat. 66°10'N, long. 139°10'W, north of Mount Dewdney, Yukon.

*Monoceratella castorensis* Copeland

Holotype 24001; paratypes 24002, 24003

Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 21, pl. 4, figs. 20-22.

Vauréal Formation, Upper Ordovician, Beaver Cove road at west end of bridge over Beaver Cove River, Anticosti Island, Quebec.

*Monotiopleura parallela* (Ulrich)

Hypotype 23986

Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 18, pl. 4, fig. 5.

Vauréal Formation, Upper Ordovician, Pointe à l'epinette, a mile east of mouth of MacDonald River, Anticosti Island, Quebec.

*Notodromas monacha* (Müller)

Hypotypes 25640-25646

Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 6, p. 1254, pl. 3, figs. 34-36; pl. 4, figs. 37-42.

Recent, southwest of Fort Vermilion, Alberta; l.s.d. 6, sec. 34, tp. 45, rge. 2, W. 3rd mer., Saskatchewan; l.s.d. 2, sec. 17, tp. 8, rge. 28, W. Prin. mer., and l.s.d. 1, sec. 33, tp. 6, rge. 10, E. Prin. mer., Manitoba.

*Octonaria foordi* Copeland

McLaren, D.J., Norris, A.W. and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 11, fig. 13 [holotype 14525].

*Octonaria* cf. *O. typicus* (Bassler)

McLaren, D.J., Norris, A.W. and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 11, fig. 14 [hypotype 14524].

Ostracod indet.

Fig. specs. 20183-20189

Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 46, pl. 6, figs. 17-21; pl. 7, figs. 1, 2.

Pleistocene, pit 1.4 miles southeast of St. Philomène [20183, 20187]; pit on southeast slope Mont St. Hilaire [20184, 20185]; east bank Batiscan River just below Chute à Jimmy [20188]; corner of Masson and D'Iberville Streets, Montréal, Québec; and Morrisburg, Ontario.

Ostracod indet.

Fig. spec. 24154

Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, pl. 5, fig. 17.

Vauréal Formation, Upper Ordovician, Pointe à l'epinette, a mile east of mouth of MacDonald River, Anticosti Island, Quebec.

*Paracandona euplectella* Brady and Norman

Hypotypes 26804-26806

Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 5, p. 1123, pl. 23, figs. 342-349.

Recent, near Kenora, Ontario, and l.s.d. 3, sec. 28, tp. 45, rge. 4, W. 3rd mer., Saskatchewan.

*Paraechmina spinosa* (Hall)

Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M. and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 7, fig. 11 [hypotype 15192a].

*Paraparchites* cf. *P. dedaleus* (Rozhdestvenskaya)

Hypotypes 22671a, b

McGill, P., 1968, Internat. Symp. Devonian System, vol. 2, p. 1077, pl. 2, figs. 5-7.

Kee Scarp Formation, Middle Devonian, Carcajou Ridge, 1 mile from Mackenzie River, lat. 65°37'N, long. 128°15'W, Northwest Territories.

*Paraschmidtella irregularis* Keenan

Hypotypes 23983, 24141, 24145

Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 18, pl. 4, fig. 2; pl. 5, figs. 4, 8.

Vauréal Formation, Upper Ordovician, Rivière a l'huile, a mile above its mouth; main road, on west side of west branch of small creek flowing northward into Squaw Cove; and Pointe à l'epinette, a mile east of mouth of MacDonald River, Anticosti Island, Quebec.

*Pelocypris alatabulbosa* Delorme

Holotype 25639; paratypes 25636-25638

Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 6, p. 1254, pl. 2, figs. 25-27; pl. 3, figs. 28-31.

Recent, l.s.d. 5, sec. 26, tp. 5, rge. 20, W. 3rd mer., Saskatchewan, and l.s.d. 1, sec. 19, tp. 13, rge. 27, W. Prin. mer., Manitoba.

*Physocypria pustulosa* Sharpe
Hypotype 24687-24689
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 2, p. 265, pl. 10, figs. 118-125.
Recent, l.s.d. 14, sec. 29, tp. 15, rge. 6, E. Prin. mer., Manitoba.

*Platyrhomboides? subcylindrica* (Jones)
Hypotype 23982
Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 17, pl. 5, fig. 1.
Vauréal Formation, Upper Ordovician, Pointe à l'epinette, a mile east of the mouth of MacDonald River, Anticosti Island, Quebec.

*Potamocypris granulosa* Daday
Hypotypes 23643-23645
Delorme, L.D., 1968, Can. J. Zoology, vol. 46, no. 5, p. 862, pl. 2, figs. 17-19.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Potamocypris granulosa* Daday
Hypotypes 24337-24339
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 2, p. 255, pl. 2, figs. 18-23.
Recent, l.s.d. 15, sec. 5, tp. 1, rge. 12, W. 3rd mer., Saskatchewan.

*Potamocypris pallida* Alm
Hypotypes 24340, 24341
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 2, p. 256, pl. 2, figs. 24, 25.
Recent, l.s.d. 3, sec. 12, tp. 39, rge. 26, W. Prin. mer., Manitoba.

*Potamocypris smaragdina* (Vavra)
Hypotypes 24342-24344
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 2, p. 256, pl. 3, figs. 26-30.
Recent, l.s.d. 8, sec. 25, tp. 15, rge. 6, E. Prin. mer., Manitoba.

*Potamocypris unicaudata* Schafer
Hypotypes 24345-24347
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 2, p. 257, pl. 3, figs. 31-36.
Recent, l.s.d. 14, sec. 20, tp. 17, rge. 4, W. Prin. mer., Manitoba.

*Primitiella? huilensis* Copeland
Holotype 24005; paratype 24008
Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 22, pl. 4, figs. 24, 27.
Bolton, T.E., 1972, ibid., Paper 71-19, pl. 1, fig. 12 [24008].
Vauréal Formation, Upper Ordovician, Rivière à l'huile, a mile above its mouth, and logging road, a mile north of bridge over Beaver Cove River, Anticosti Island, Quebec.

*Prionocypris canadensis* Sars
Hypotypes 24351-24353
Delorme, L.D., 1970, Can. J. Zoology, vol. 48, no. 2, p. 258, pl. 5, figs. 47-54.
Recent, l.s.d. 16, sec. 9, tp. 45, rge. 1, W. 5 mer., Alberta.

*Prionocypris glacialis albida* Alm
Hypotype 23646
Delorme, L.D.,
1968, Can. J. Zoology, vol. 46, no. 5, p. 863, pl. 2, fig. 20.
1970, ibid., vol. 48, no. 2, p. 259, pl. 10, fig. 126.
Pleistocene, south side of Porcupine River near Old Crow, lat. 67°28'N, long. 139°54'W, Yukon.

*Pseudobythocypris* cf. *P. praepilatus* (Polenova)
Hypotypes 22681a-d
McGill, P., 1968, Internat. Symp. Devonian System, vol. 2, p. 1081, pl. 4, figs. 5-8.
Kee Scarp Formation, Middle Devonian, Carcajou Ridge, 1 mile from Mackenzie River, lat. 65°37'N, long. 128°15'W, Northwest Territories.

*Pseudocytheris* sp.
Fig. spec. 20182
Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 5, fig. 15.
Pleistocene, east bank of Grande Rivière du Chêne, just south of Highway 9, Québec.
= *Robertsonites logani*, Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 46, pl. 6, fig. 16.

*Punctaparchites rugosus* (Jones)
Hypotypes 22236, 22237
Copeland, M.J., in Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, pl. 23, figs. 16, 17.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Rectobairdia turnbulli* McGill
Holotype 22678a; paratypes 2267b, c
McGill, P., 1968, Internat. Symp. Devonian System, vol. 2, p. 1079, pl. 3, figs. 9-12.
Kee Scarp Formation, Middle Devonian, Carcajou Ridge, 1 mile from Mackenzie River, lat. 65°37'N, long. 128°15'W, Northwest Territories.

*Saccelatia arrecta* (Ulrich)
Hypotypes 22225-22227
Copeland, M.J., in Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, pl. 23, figs. 5-7.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Samarella* cf. *S. crassa* Polenova

Hypotypes 22676a-c

McGill, P., 1968, Internat. Symp. Devonian System, vol. 2, p. 1083, pl. 3, figs. 1-4.

Kee Scarp Formation, Middle Devonian, Carcajou Ridge, 1 mile from Mackenzie River, lat. 65°37'N, long. 128°15'N, Northwest Territories.

*Schmidtella affinis* Ulrich

Hypotypes 22243, 22244

Copeland, M.J., in Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, pl. 23, figs. 23, 24.

Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Schmidtella sublenticularis* (Jones)

Hypotype 24004

Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 22, pl. 4, fig. 23.

Vauréal Foramtion, Upper Ordovician, Pointe à l'epinette, a mile east of mouth of MacDonald River, Anticosti Island, Quebec.

*Sclerochilus* sp.

Fig. spec. 20180

Wagner, F.J.E., 1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 5, fig. 20.

Pleistocene, east bank of Grande Rivière du Chêne, just south of Highway 9, Quebec.

= *Palmenella limicola*, Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 46, pl. 6, fig. 14.

*Selebratina dentata* Polenova

Hypotypes 22670a-c

McGill, P., 1968, Internat. Symp. Devonian System, vol. 2, p. 1074, pl. 2, figs. 1-4.

Kee Scarp Formation, Middle Devonian, Carcajou Ridge, 1 mile from Mackenzie River, lat. 65°37'N, long. 128°15'W, Northwest Territories.

*Sulcella* cf. *S. altschedatensis* (Polenova)

Hypotypes 22682a-c

McGill, P., 1968, Internat. Symp. Devonian System, vol. 2, p. 1081, pl. 4, figs. 9-13.

Kee Scarp Formation, Middle Devonian, Carcajou Ridge, 1 mile from Mackenzie River, lat. 65°37'N, long. 128°15'W, Northwest Territories.

*Tetradella buckensis* Guber

Holotype 25047

Guber, A.L., 1971, J. Pal., vol. 45, no. 1. p. 19, pl. 3, fig. 7.

Bucke Formation, Middle Ordovician, shipyards quarry, lot 10, con. 5, Bucke tp., Ontario.

*Tetradella* sp. cf. *T. lunatifera* (Ulrich)
Hypotype 24163
Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 28, pl. 5, fig. 29.
Vauréal Formation, Upper Ordovician, Pointe à l'epinette, a mile east of mouth of MacDonald River, Anticosti Island, Quebec.

*Tetradella ulrichi* Kay
Hypotypes 22239, 22240
Copeland, M.J., in Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, pl. 23, figs. 19, 20.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., Renfrew co., 2 miles west of Braeside, Ontario.

*Tetradella ulrichi* Kay
Hypotype 27657
Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. A, fig. 1.
Gull River Formation, Middle Ordovician, road-cut on Highway 68, 0.4 mile south of Roosevelt Memorial, Ontario.

Thlipsurid ostracode indet.
Fig. spec. 26312
Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 12, pl. 1, fig. 10.
Bolton, T.E. and Copeland, M.J., 1972, ibid., Paper 72-15, pl. 9, fig. 2.
Thornloe Formation, Middle Silurian, 5 feet below top of Macnamara quarry, lot 6, con. VI, Armstrong tp., Ontario.

*Tubulibairdia* sp.
Fig. spec. 24146
Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 25, pl. 5, fig. 9.
Vauréal Formation, Upper Ordovician, Nid de Corbeau, a mile west of mouth of MacDonald River, Anticosti Island, Quebec.

*Ulrichia nodosa* (Ulrich)
Hypotypes 23984, 23985
Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 18, pl. 4, figs. 3, 4.
Bolton, T.E., 1972, ibid., Paper 71-19, pl. 1, figs. 6, 10.
Vauréal Formation, Upper Ordovician, cliff at side of Beaver Cove road where it descends to the shore on the north coast of Anticosti Island, Quebec.

*Xestoleberis* sp.
Fig. spec. 20181
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 5, fig. 10.
1971, Geol. Surv. Can., Bull. 181 (1970), p. 46, pl. 6, fig. 15.
Pleistocene, bank of St. Lawrence River at creek 7 miles east of Morrisburg, Ontario.

*Zygobeyrichia dalhousiensis* Copeland
McLaren, D.J., Norris, A.W. and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 11, fig. 15 [holotype 14536].

*Zygobolba logani* Copeland

Holotype 26318; paratypes 26315-26317, 26319-26321, 26324, a

Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 10, pl. 1, figs. 12, 14-17, 19, 20, 26.

Bolton, T.E. and Copeland, M.J., 1972, ibid., Paper 72-15, pl. 8, fig. 7 [26318]; pl. 11, fig. 17 [26324, a].

Thornloe Formation, Middle Silurian, near middle of escarpment above gravel pit at shore, lot 5, con. II, Harris tp. and roadside exposure, lot 12, cons. V-VI, Dymond tp., Ontario.

*Zygobolba twenhofeli*? Ulrich and Bassler

Hypotypes 26303-26311

Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 9, pl. 1, figs. 1-9.

Bolton, T.E. and Copeland, M.J., 1972, ibid., Paper 72-15, pl. 9, figs. 12, 13 [26310, 26308].

Thornloe Formation, Middle Silurian, top of southend and 5 feet below top of Macnamaka quarry, lot 6, con. VI, Armstrong tp., Ontario.

*Zygobolba williamsi* Ulrich and Bassler

= *"Zygobolba" williamsi*, Bolton, T.E., 1968, Guidebook - The Geology of Manitoulin Island, Michigan Basin Geol. Soc. Ann. Field Excursion, fig. 12, photo 31 [hypotype 20507].

*Zygobolba williamsi* Ulrich and Bassler

= *Zygocosta williamsi*, Bolton, T.E. and Copeland, M.J., 1972, in Robertson, J.A. and Card, K.D., Ontario Division Mines, Geol. Guidebook 4, pl. C, figs. 12, 13 [hypotypes 20502, a].

*Zygobursa praecursor* Copeland

Holotype 24386; paratypes 24387-24396

Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 6, pl. 1, figs. 1-11.

Bolton, T.E., 1972, ibid., Paper 71-19, pl. 7, fig. 11 [paratype 24393].

Becscie Formation, Middle Silurian, road-cut on north bank of Jupiter River at Twenty-four Mile Lodge and Rivière-a-la-Loutre road, ¼ mile north of junction with Wilson Pool road, Anticosti Island, Quebec.

*Zygocosta williamsi* (Ulrich and Bassler)

Hypotypes 24397-24407

Copeland, M.J., 1970, Geol. Surv. Can., Bull. 187, p. 4, pl. 1, figs. 12-22.

Dyer Bay and Wingfield Formations, Middle Silurian, north shore of bay west of Rocky Bay; Rush Cove; and Rocky Bay, Bruce Peninsula, Ontario.

*Zygocosta williamsi* (Ulrich and Bassler)

Hypotypes 26326-26331

Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 11, pl. 1, figs. 23, 27-31.

Bolton, T.E. and Copeland, M.J., 1972, ibid., Paper 72-15, pl. 1, figs. 1, 2 [26328, 26326].

Wabi Formation, Middle Silurian, Evanturel Creek at bridge on road between Heaslip and Kap-Kig-Iwan Provincial Park, south of Englehart, Ontario.

ARTHROPODA-CIRRIPEDIA

*Balanus balanus* (Linné)
Hypotype 20190
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 5, figs. 23, 24.
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, fig. 16.
1971, ibid., Bull. 181 (1970), p. 46, pl. 7, figs. 3a, b.
Recent, Atlantic Coast.

*Balanus balanus* (Linné)
Hypotype 22052
Pelletier, B.R., Wagner, F.J.E. and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 13: 9.
Recent, Hudson Bay, depth 62 metres, lat. 57°30'N, long. 91°57'W.

*Balanus crenatus* Bruguière
Hypotype 20191
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 5, figs. 21, 22.
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, fig. 4.
1971, ibid., Bull. 181 (1970), p. 47, pl. 7, figs. 4a, b.
Recent, Atlantic Coast

*Balanus crenatus* (Bruguière)
Hypotype 22053
Pelletier, B.R., Wagner, F.J.E. and Grant, A.C., 1968, Science, History and Hudson Bay, vol. 2, fig. 13: 10.
Recent, Hudson Bay, depth 62 metres, lat. 57°30'N, long. 91°57'W.

*Balanus hameri* (Ascanius)
Hypotype 20192
Wagner, F.J.E.,
1969, Le Naturaliste Canadien, vol. 95, no. 6 (1968), pl. 5, figs. 25, 26.
1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 32, fig. 10; pl. 33, fig. 6.
1971, ibid., Bull. 181 (1970), p. 47, pl. 7, figs. 6a, b.
Pleistocene, southern part of pit 1.4 miles southeast of St. Philomène, Quebec.

*Balanus hameri* (Ascanius)
Hypotype 20193
Wagner, F.J.E., 1971, Geol. Surv. Can., Bull. 181 (1970), p. 47, pl. 7, figs. 5a, b.
Recent, Atlantic Coast.

## ARTHROPODA-MALACOSTRACA

*Anthrapalaemon dubius* (Milne-Edwards)

Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 15, fig. 21 [hypotype 12821].

*Caryocaris curvilata*? Gurley

Hypotypes 9892-9895

Copeland, M.J., 1967, J. Pal., vol. 41, no. 5, p. 1193, pl. 162, figs. 1-5.

Cape Phillips Formation, 1,800 feet above base, Silurian, eastern bank of an unnamed north-flowing creek, near southwestern end of Eleanor Lake, ca. lat. 75°21'85"N, long. 94°02'48"W, Cornwallis Island, Arctic.

*Ceratiocaris cornwallisensis* Copeland

Hypotypes 24839-24841

Copeland, M.J., 1971, Geol. Surv. Can., Bull. 200, p. 23, pl. 1, fig. 4; pl. 3, fig. 4; pl. 4, fig. 1.

Cape Phillips Formation, Upper Silurian, north side of Abbot River, about 7.5 miles east of Midshipman Bay, western Cornwallis Island, District of Franklin.

## ARTHROPODA-INSECTA

*Archimylacris morienensis* Copeland

Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 15, fig. 26 [holotype 10394].

*Eriocampa tulameenensis* Rice

Holotype 22688

Rice, H.M.A., 1968, Geol. Surv. Can., Paper 67-59, p. 5, pl. 1a; figs. 3a-e.

Princeton Group, Tertiary, Canadian Pacific Railway west of Princeton Station, British Columbia.

*Palaeoleon ferrogeneticus* Rice

Holotype 22188

Rice, H.M.A., 1969, Geol. Surv. Can., Paper 68-65, p. 3, pl. 1; text-figs. 2, 3.

Upper Cretaceous, Redmond iron deposit, Labrador, Newfoundland, southwest of Schefferville, Quebec.

*Palaeopteron complexus* Rice
Holotype 22189
Rice, H.M.A., 1969, Geol. Surv. Can., Paper 68-65, p. 9, pl. 2; text-figs. 4-6.
Upper Cretaceous, Redmond iron deposit, Labrador, Newfoundland, southwest of Schefferville, Quebec.

*Phylloblatta*? sp.
Bamber, E.W. and Copeland, M.J., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 15, fig. 25 [fig. spec. 12847e].

*Pseudosiobla campbelli* Rice
Holotype 22689
Rice, H.M.A., 1968, Geol. Surv. Can., Paper 67-59, p. 10, pl. 1b; figs. 4a-f.
Tertiary, Horsefly River, bank at side of Hobson Placer Mine, 4.3 miles north of village of Horsefly, British Columbia.

## WORMS-SCOLECODONTS

*Cornulites (Ortonis) sublaevis* Whiteaves - pl. 28, fig. 6 = syntype 4240c, not 4215 as listed in Volume III, p. 135.

*Cornulites* sp.
Fig. spec. 21986
Sinclair, G.W., Copeland, M.J. and Bolton, T.E., 1969, in Hewitt, D.F., Ontario Dept. Mines, Geol. Guide Book 3, photo 9, fig. 20.
Middle Ordovician, Lakefield quarry, Ontario.

*Cornulites* sp.
Fig. specs. 22616, 22617, 22311
Steele, H.M. and Sinclair, G.W., 1971, Geol. Surv. Can., Bull. 211, p. 41, pl. 4, fig. 3; pl. 17, figs. 3, 4.
Wilderness Stage, Middle Ordovician, Braeside quarry, con. A, McNab tp., 2 miles west of Braeside, Ontario.

*Cornulites* sp.
Fig. spec. 29644
Bolton, T.E., 1972, Geol. Surv. Can., Paper 71-19, pl. 6, fig. 7.
Ellis Bay Formation, Upper Ordovician, Vauréal River at downriver end in behind small island, approximately 1¼ mile above falls, Anticosti Island, Quebec.

*Cornulites* sp.
Fig. spec. 30477
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 8, fig. 11.
Thornloe Formation, Middle Silurian, lot 5, con. II, Harris tp., Ontario.

*Spirorbis* sp.
Fig. specs. 24858
Mitchell, S.W., 1970, Michigan Academician, vol. 2, no. 3, pl. 1, fig. 1.
Hay River Formation, Upper Devonian, north bank of Hay River ¼ mile southeast of Enterprise, Northwest Territories.

CONODONTS

*Acodina curvata* Stauffer
Hypotypes 20697, 20698
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 469, pl. 65, fig. 1.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25 and Calstan Acheson Province No. 1 well, l.s.d. 2, sec. 2, tp. 53, rge. 26, W. 4th mer., Alberta.

*Acodina inoptinata* (Stauffer)
Hypotypes 20699-20702
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 469, pl. 65, figs. 2-4.
Wabamun and Duvernay Formations, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Acodina zionensis* (Stauffer)
Hypotype 20703
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 469.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Acodina* sp.
Hypotype 20704
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 469.
Wabamun Formation, Upper Devonian, Calastan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Acodus* sp.
Fig. spec. 24772
Uyeno, T.T. and Barnes, C.R., 1960, Geol. Surv. Can., Bull. 189, p. 119, pl. 24, fig. 17.
Lévis Formation, Middle Ordovician, Montcalm Street, Lévis, Quebec.

*Acontiodus* sp. cf. *A. iowensis* Furnish
Hypotype 24412
Barnes, C.R. and Tuke, M.F., 1970, Geol. Surv. Can., Bull. 187, p. 84, pl. 18, fig. 10.
St. George Formation, Lower Ordovician, 2 to 3 miles southwest of Cape Norman, northern Newfoundland.

*Acontiodus robustus* (Hadding)
Hypotypes 24715, 24716
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 104, pl. 21, figs. 18, 19; fig. 7G.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Acontiodus staufferi* Furnish
Hypotypes 24413, 24414
Barnes, C.R. and Tuke, M.F., 1970, Geol. Surv. Can., Bull. 187, p. 84, pl. 19, figs. 2, 3.
St. George Formation, Lower Ordovician, 2 to 3 miles southwest of Cape Norman, northern Newfoundland.

*Acontiodus* spp. 1-3
Fig. specs. 24717-24719
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 104, 105, pl. 21, figs. 1, 2, 4, 5, 10, 11; figs. 7D, H, I.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Ambalodus* n. sp. A
Fig. spec. 25418
Fahraeus, L.E., 1970, Bull. Geol. Soc. Amer., vol. 81, p. 2066, figs. 3J, K.
Table Head Formation, Middle Ordovician, Table Point, northwestern Newfoundland.

*Amorphognathus variabilis* Sergeeva
Hypotype 24720
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 106, pl. 24, figs. 5, 6.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Amorphognathus variabilis* Sergeeva
Hypotype 25414
Fahraeus, L.E., 1970, Bull. Geol. Soc. Amer., vol. 81, fig. 3E.
Table Head Formation, Middle Ordovician, Little Springs Inlet, Hare Bay, northern Newfoundland.

*Amorphognathus* n. sp. A
Fig. spec. 25412
Fahraeus, L.E., 1970, Bull. Geol. Soc. Amer., vol. 81, p. 2068, figs. 3A, B.
Table Head Formation, Middle Ordovician, Little Springs Inlet, Hare Bay, northern Newfoundland.

*Amorphognathus* n. sp. 1 Lindstrom 1960
Fig. spec. 25416
Fahraeus, L.E., 1970, Bull. Geol. Soc. Amer., vol. 81, p. 2068, fig. 3H.
Table Head Formation, Middle Ordovician, Little Springs Inlet, Hare Bay, northern Newfoundland.

*Ancyrodella curvata* (Branson and Mehl)
Hypotypes 20705-20708
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 469, pl. 65, figs. 5, 6, 13-16.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Ancyrodella gigas* Youngquist
Hypotype 20694
McLaren, D.J., Norris, A.W. and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, fig. 21.
Moberly Member, Waterways Formation, Upper Devonian, Alberta.

*Ancyrodella gigas* Youngquist
Hypotype 20709
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 470, pl. 65, figs. 17, 18.
Beaverhill Lake Formation, Upper Devonian, Phillips Kaybob 12-5 well, tp. 64N, rge. 19, W. 5th mer., Alberta.

*Ancyrodella lobata* Branson and Mehl
Hypotypes 20710-20713
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 470, pl. 65, figs. 7-12.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Ancyrodella rotundiloba binodosa* Uyeno
Holotype 22819; paratypes 22820, 22821
Uyeno, T.T., 1967, Geol. Surv. Can., Paper 67-30, p. 4, pl. 1, figs. 2a, b, 4a, b, 5a, b.
Calumet and Christina Members, Waterways Formation, Upper Devonian, 5.5-7.6 feet above river level, Clearwater River and California Standard Cynthia S.W. 16-21 well, depth 11,736.9-11,739.2 feet, l.s.d. 16, sec. 21, tp. 49, rge. 13, W. 5th mer., Alberta.

*Ancyrodella rotundiloba* subsp. A
Hypotypes 22822-22824
Uyeno, T.T., 1967, Geol. Surv. Can., Paper 67-30, p. 5, pl. 1, figs. 1a, b, 3a, b, 6a, b.
Moberly and Christina Members, Waterways Formation, Upper Devonian, 25-26.2 feet and 14.6-16.4 feet above river level, Athabasca River, and 0-1 foot above river level, Christina River, Alberta.

*Ancyrognathus triangularis* Youngquist
Hypotypes 20714, 20715, 21086
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 471, pl. 65, figs. 19-22.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Angulodus bidentatus* Sannemann
Hypotypes 20716, 20717
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 472, pl. 65, fig. 24.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Angulodus*(?) *compressus* Youngquist and Peterson
Hypotype 20718
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 472.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Angulodus elongatus* Stauffer
Hypotypes 20719-20721
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 473, pl. 65, figs. 23, 25.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Angulodus gravis* Huddle
Hypotype 20722
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 473.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Angulodus walrathi* (Hibbard)
Hypotypes 20723, 20724
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 473, pl. 65, fig. 26.
Ireton and Wabamun Formations, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25 and Calstan Acheson Province No. 1 well, l.s.d. 2, sec. 2, tp. 53, sec. 26, W. 4th mer., Alberta.

*Angulodus*(?) sp.
Hypotype 20725
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 473.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Apatognathus porcata* (Hinde)
Hypotypes 20726-20728
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 474, pl. 65, figs. 27, 28.
Wabamun Formation, Upper Devonian, Calstan Acheson Province No. 1 well, l.s.d. 2, sec. 2, tp. 53, rge. 26 and Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Apatognathus varians* Branson and Mehl
Hypotypes 20729, 20730
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 474, pl. 65, fig. 29.
Wabamun Formation, Upper Devonian, Calstan Acheson Province No. 1 well, l.s.d. 2, sec. 2, tp. 53, rge. 26, W. 4th mer., Alberta.

*Apatognathus* sp.
Hypotype 20731
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 474.
Wabamun Formation, Upper Devonian, Calstan Acheson Province No. 1 well, l.s.d. 2, sec. 2, tp. 53, rge. 26, W. 4th mer., Alberta.

*Arcugnathus*(?) aff. *A. tenuis* Cooper
Hypotypes 20732, 20733
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 475, pl. 65, fig. 33.
Wabamun Formation, Upper Devonian, Calstan Acheson Province No. 1 well, l.s.d. 2, sec. 2, tp. 53, rge. 26, W. 4th mer., Alberta.

*Arcugnathus*(?) spp.
Fig. specs. 20734, 20735
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 475, pl. 65, fig. 31.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Belodella devonica* (Stauffer)
Hypotypes 25736-25738
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 674, pl. 78, figs. 28-31.
Michelle Formation, Lower Devonian, lat. 65°38'12"N, long. 136°44'W, Hart River, Yukon.

*Belodella* n. sp. A
Fig. spec. 25732
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 674, pl. 78, figs. 23, 24.
Prongs Creek Formation, Lower Devonian, Solo Creek about 7.5 miles southeast of junction with Peel River, lat. 65°51'24"N, long. 134°15'30"W, Yukon.

*Belodella* sp. A
Fig. spec. 25422
Fahraeus, L.E., 1970, Bull. Geol. Soc. Amer., vol. 81, fig. 30.
Table Head Formation, Middle Ordovician, Table Point, northwestern Newfoundland.

*Belondina* assemblage
Hypotype 21396
Barnes, C.R., 1967, J. Pal., vol. 41, no. 6, p. 1557, text-figs. 1, 2.
Cobourg Formation, Middle Ordovician, disused railway-cut between Bell and Cambridge Streets, immediately north of Elizabeth Street, Ottawa, Ontario.

*Belodus triangularis* Stauffer
Hypotypes 20736, 20737
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 475, pl. 65, fig. 32.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Bryantodus bicristatus* Youngquist and Miller
Hypotypes 20738, 20739
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 477, pl. 65, fig. 38.
Beaverhill Lake Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Bryantodus chesteri* Youngquist
Hypotypes 20740-20742
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 478, pl. 65, figs. 34, 35.
Wabamun and Duvernay Formations, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Bryantodus confragosus* Branson and Mehl
Hypotypes 20743-20745
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 478, pl. 65, figs. 37, 44.
Duvernay Foramtion, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Bryantodus dignatus* Stauffer
Hypotypes 20746, 20747
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 478, pl. 65, fig. 41.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Bryantodus huddlei* Orr
Hypotypes 20748, 20749
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 479, pl. 65, fig. 42.
Duvernay and Wabamun Formations, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W 4th mer., Alberta.

*Bryantodus macrodentus* (Bryant)
Hypotypes 20750-20752
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 479, pl. 65, figs. 45, 47.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Bryantodus sciotoensis* Stauffer
Hypotype 20753
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 479.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Bryantodus*(?) *tridentatus* Ulrich and Bassler
Hypotype 20754
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 479
Wabamun Formation, Upper Devonian, Calstan Acheson Province No. 1 well, l.s.d. 2, sec. 2, tp. 53, reg 26, W. 4th mer., Alberta.

*Bryantodus*? sp.
Hypotype 20755
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 479.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Cervicornoides*(?) sp.
Hypotype 20756
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 479.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Chirognathus* sp.
Fig. specs. 25419, 25420
Fahraeus, L.E., 1970, Bull. Geol. Soc. Amer., vol. 81, figs. 3L, M.
Table Head Formation, Middle Ordovician, Table Point, northwestern Newfoundland.

*Chosonodina* n. sp. 1
Fig. spec. 24721
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 106, pl. 24, figs. 15, 16.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Clavulodus reniformis* Mound
Holotype 20757; paratypes 20758-20761
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 480, pl. 65, figs. 36, 39, 40, 43, 48.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

Conodont gen. et sp. indet.
Fig. spec. 24769
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 118, pl. 22, figs. 11, 12.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

Conodont undet.
Fig. spec. 24775
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 119, pl. 22, figs. 16, 17.
Lévis Formation, Middle Ordovician, Montcalm Street, Lévis, Quebec.

*Cordylodus spinatus* (Hadding)
Hypotypes 24722-24726
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 106, pl. 24, figs. 7-11.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Diplododella aurita* (Sannemann)
Hypotype 27652
Norris, A.W. and Uyeno, T.T., 1971, Geol. Assoc. Can., Sp. Paper 9, pl. 3, fig. 13.
Souris River Formation, Upper Devonian, Inland Cement Industries Ltd. quarry, 11 miles north of Mafeking, Manitoba.

*Distacodus rhombicus* Lindström
Hypotype 24415
Barnes, C.R. and Tuke, M.F., 1970, Geol. Surv. Can., Bull. 187, p. 84, pl. 19, figs. 1, 4; fig. 6H.
St. George Formation, Lower Ordovician, 2 to 3 miles southwest of Cape Norman, northern Newfoundland.

*Distacodus* sp.
Fig. spec. 24416
Barnes, C.R. and Tuke, M.F., 1970, Geol. Surv. Can., Bull. 187, p. 85, pl. 19, fig. 5.
St. George Formation, Lower Ordovician, 2 to 3 miles southwest of Cape Norman, northern Newfoundland.

*Drepanodina lachrymosa* Mound
Holotype 20762; paratypes 20763-20765
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 480, pl. 65, figs. 49, 50, 55.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Drepanodina*(?) sp.
Hypotype 20766
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 481.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Drepanodus homocurvatus* Lindström
Hypotypes 24417, 24418
Barnes, C.R. and Tuke, M.F., 1970, Geol. Surv. Can., Bull. 187, p. 85, pl. 19, figs. 14, 15.
St. George Formation, Lower Ordovician, 2 to 3 miles southwest of Cape Norman, northern Newfoundland.

*Drepanodus homocurvatus* Lindström
Hypotype 24727
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 107, pl. 21, fig. 9.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Drepanodus pandus* (Branson and Mehl)
Hypotypes 24419, 24420
Barnes, C.R. and Tuke, M.F., 1970, Geol. Surv. Can., Bull. 187, p. 85, pl. 20, figs. 18, 19.
St. George Formation, Lower Ordovician, 2 to 3 miles southwest of Cape Norman, northern Newfoundland.

*Drepanodus simplex* Branson and Mehl
Hypotype 24421-24423
Barnes, C.R. and Tuke, M.F., 1970, Geol. Surv. Can., Bull. 187, p. 86, pl. 19, figs. 8, 12, 13.
St. George Formation, Lower Ordovician, 2 to 3 miles southwest of Cape Norman, northern Newfoundland.

*Drepanodus suberectus* (Branson and Mehl)
Hypotype 24728
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 107, pl. 21, fig. 15.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Drepanodus toomeyi* Ethington and Clark
Hypotypes 24424, 24425
Barnes, C.R. and Tuke, M.F., 1970, Geol. Surv. Can., Bull. 187, p. 86, pl. 19, figs. 9-11; fig. 6I.
St. George Formation, Lower Ordovician, 2 to 3 miles southwest of Cape Norman, northern Newfoundland.

*Drepanodus* sp. B Philip
Fig. spec. 25725
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 674, pl. 78, fig. 10.
Michelle Formation, Lower Devonian, north flank of Ogilvie Mountains east of Blackstone River, lat. 65°41'30"N, long. 137°26'30"W, Yukon.

*Enantiognathus lipperti* (Bischoff)
Hypotypes 20767-20773
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 481, pl. 65, figs. 30, 46, 51-54.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*"Eoligonodina"* sp.
Fig. spec. 24770
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 108, pl. 24, fig. 14.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Epigondolella multidentata* Mosher
Holotype 25055; paratypes 25056, 25057
Mosher, L.C., 1970, J. Pal., vol. 44, no. 4, p. 739, pl. 10, figs. 19, 22-26.
Pardonet Formation, Upper Triassic, White Creek 2 miles east of Graham River, Halfway River area, 25 miles northeast of Goldbar on Peace River, British Columbia.

*Epigondolella primitia* Mosher
Holotype 25051; paratypes 25052-25054
Mosher, L.C., 1970, J. Pal., vol. 44, no. 4, p. 740, pl. 110, figs. 7-13, 16, 17.
Pardonet Formation, Upper Triassic, west slope of west spur, Brown Hill, and head of Western Gully, high on northwest corner Pardonet Hill, Peace River, British Columbia.

*Falcodus angulus* Hinde
Hypotypes 20774, 20775
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 481, pl. 66, fig. 1.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Falcodus secundus* (Youngquist)
Hypotypes 20776, 20777
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 482, pl. 66, fig. 2.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Falcodus* cf. *F. ultimus* (Branson and Mehl)
Hypotype 20778
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 482.
Beaverhill Lake Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Falcodus variabilis* Sannemann
Hypotype 20779
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 482.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Falodus prodentatus* (Graves and Ellison)
Hypotypes 24729-24731
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 108, pl. 22, figs. 8, 14, 18.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Falodus* sp.
Fig. spec. 24732
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 108, pl. 22, fig. 15.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

Gen. et sp. indet. A
Fig. spec. 25729
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 681, pl. 78, fig. 18.
Michelle Formation, Lower Devonian, north flank Ogilvie Mountains east of Blackstone River, lat. 65°41'30"N, long. 137°26'30"W, Yukon.

*Haddingodus serrus* (Hadding)
Hypotype 25413
Fahraeus, L.E., 1970, Bull. Geol. Soc. Amer., vol. 81, p. 2067, figs. 3C, D.
Table Head Formation, Middle Ordovician, Table Point, northwestern Newfoundland.

*Hibbardella alternata* (Branson and Mehl)
Hypotype 20780
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 483, pl. 66, fig. 3.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Hibbardella aurita* (Sannemann)
Hypotypes 20781-20783
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 483, pl. 66, figs. 4, 5.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Hibbardella laminata* (Branson and Mehl)
Hypotypes 20784, 20785
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 483, pl. 66, fig. 6.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Hibbardella latipennata* (Ziegler)
Hypotypes 20786-20788
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 484, pl. 66, figs. 7, 8.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Hibbardella tumida* (Branson and Mehl)
Hypotypes 20789, 20790
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 484, pl. 66, figs. 9, 12.
Ireton and Duvernay Formations, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Hibbardella* sp.
Fig. specs. 24733, 24734
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 109, pl. 22, figs. 21, 22.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Hindeodella aculeata* Hinde
Hypotypes 20792, 20793
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 484, pl. 66, fig. 14.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Hindeodella acuta* Branson and Mehl
Hypotypes 20794, 20795
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 485, pl. 66, fig. 16.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Hindeodella brevis* Branson and Mehl
Hypotypes 20796, 20797
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 485, pl. 66, fig. 18.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Hindeoldella priscilla* Stauffer
Hypotypes 25740, 25741
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 674, pl. 78, figs. 33, 34.
Prongs Creek and Michelle Formations, Lower Devonian, Solo Creek about 7.5 miles southeast of junction with Peel River, lat. 65°51'24"N, long. 134°15'30"W, and Hart River, lat. 65°38'12"N, long. 136°44'W, Yukon.

*Hindeodella subtilis* Ulrich and Bassler
Hypotypes 20798-20801
Mound, M.C., 1968, J. Pal. vol. 42, no. 2, p. 485, pl. 66, figs. 10, 11, 17.
Duvernay and Ireton Formations, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Hindeodella* sp.
Hypotype 20802
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 486
Ireton and Duvernay Formations, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Hindeodina compressa* (Huddle)
Hypotypes 20803-20805
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 486, pl. 66, figs. 20, 25.
Wabamun and Duvernay Formations, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Icriodella* n. sp. Pollock *et al.* 1970
Fig. specs. 30401, 30402
Bolton, T.E. and Copeland, M.J., 1972, Geol. Surv. Can., Paper 72-15, pl. 1, figs. 5-8.
Wabi Formation, Middle Silurian, first curve downriver from bridge over Evanturel Creek, south of Englehart, Ontario.

*Icriodus alternatus* Branson and Mehl
Hypotypes 20806-20809
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 486, pl. 66, figs. 13, 15, 19, 24.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Icriodus angustus* Stewart and Sweet
Hypotypes 20811-20813
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 487, pl. 66, figs. 23, 33.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Icriodus* cf. *I. brevis* Stauffer
Hypotype 27653
Norris, A.W. and Uyeno, T.T., 1971, Geol. Assoc. Can., Sp. Paper 9, pl. 3, figs. 14a-c.
Souris River Formation, Upper Devonian, Inland Cement Industries Ltd. quarry, 11 miles north of Mafeking, Manitoba.

*Icriodus cornutus* Sannemann
Hypotypes 20810, 20814, 20815
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 487, pl. 66, figs. 32, 34, 35.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Icriodus curvatus* Branson and Mehl
Hypotypes 20817-20819
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 488, pl. 66, figs. 36, 37.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Icriodus eslaensis* van Adrichem Boogaert
Hypotype 27646
Norris, A.W. and Uyeno, T.T., 1971, Geol. Assoc. Can., Sp. Paper 9, pl. 3, figs. 9a-c.
Dawson Bay Formation, Middle Devonian, ditch exposure south side Highway 269, 1¼ miles east of Volga Post Office, Manitoba.

*Icriodus expansus* Branson and Mehl
Hypotypes 20820-20822
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 488, pl. 66, figs. 38, 39.
Duvernay and Leduc Formations, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., and Calstan Westerose South well, l.s.d. 12, sec. 2, tp. 45, rge. 1, W. 5th mer., Alberta.

*Icriodus latericrescens* n. subsp. B
Hypotype 23851
Klapper, G., 1969, J. Pal., vol. 43, no. 1, p. 8, pl. 2, fig. 6.
Prongs Creek Formation, Lower Devonian, headwaters Royal Creek, Wernecke Mountains, Yukon.

*Icriodus nodosus* (Huddle) s.l.
Hypotype 27655
Norris, A.W. and Uyeno, T.T., 1971, Geol. Assoc. Can., Sp. Paper 9, pl. 3, figs. 18a-c.
Souris River Formation, Upper Devonian, Inland Cement Industries Ltd. quarry, 11 miles north of Mafeking, Manitoba.

*Icriodus nodosus* (Huddle) s.l.
Hypotype 29921
McGregor, D.C. and Uyeno, T.T., 1972, Geol. Surv. Can., Paper 71-13, pl. 5, figs. 33-35.
Blue Fiord Formation, Middle Devonian, Young Inlet, northeastern Bathurst Island, District of Franklin.

*Icriodus pesavis* Bischoff and Sannemann
Hypotypes 23839-23847
Klapper, G., 1969, J. Pal., vol. 43, no. 1, p. 8, pl. 1, figs. 1-13.
Prongs Creek Formation, Lower Devonian, headwaters Royal Creek, Wernecke Mountains, Yukon.

*Icriodus symmetricus* Branson and Mehl
Hypotypes 20823-20825
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 488, pl. 66, figs. 40, 41.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Icriodus woschmidti* Ziegler
Hypotype 23850
Klapper, G., 1969, J. Pal., vol. 43, no. 1, p. 10, pl. 2, figs. 1, 2.
Prongs Creek Formation, Lower Devonian, headwaters Royal Creek, Wernecke Mountains, Yukon.

*Icriodus* n. sp. A
Hypotypes 23848, 23849
Klapper, G., 1969, J. Pal., vol. 43, no. 1, p. 10, pl. 1, figs. 15-18.
Prongs Creek Formation, Lower Devonian, headwaters Royal Creek, Wernecke Mountains, Yukon.

*Icriodus* n. sp. A Klapper
Fig. spec. 25720
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 675, pl. 78, figs. 1, 2.
Prongs Creek Formation, Lower Devonian, Solo Creek about 7.5 miles southeast of junction with Peel River, lat. 65°51'24"N, long. 134°15'30"W, Yukon.

*Icriodus* n. sp. A
Fig. spec. 29922, 29923
McGregor, D.C. and Uyeno, T.T., 1972, Geol. Surv. Can., Paper 71-13, pl. 5, figs. 36-38.
Stuart Bay Formation, Lower Devonian, Young Inlet, northeastern Bathurst Island, District of Franklin.

*Icriodus*(?) spp.
Hypotypes 20826
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 489.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Icriodus* spp. indet.
Fig. specs. 25722, 25723
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 675, pl. 78, figs. 6, 7, 13, 14.
Michelle Formation, Lower Devonian, north flank Ogilvie Mountains east of Blackstone River, lat. 65°41'30"N, long. 137°26'30"W, and Hart River, lat. 65°38'12"N, long. 136°44'W, Yukon.

*Ligonodina bicurvata* Mound
Hypotypes 20827-20830
Mound, M.C., 1968, J. Pal., vol. 42, no. 1, p. 489, pl. 66, figs. 22, 30.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Ligonodina elegans* Walliser
Hypotypes 21921-21923
Legault, J.A., 1969, Geol. Surv. Can., Bull. 165, pt. 1, p. 10, pl. 1, figs. 10-12.
Stonehouse Formation, Upper Silurian, shore section 283'8" from top, most westerly outlier at end of Cape George, Antigonish co., and brook no. 1 north of old Government wharf, north of McAras Brook, near Arisaig, Nova Scotia.

*Ligonodina* cf. *L. falx* Youngquist
Hypotypes 20830
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 489.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Ligonodina flexuosa* Branson and Mehl
Hypotypes 20831-20833
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 490, pl. 66, figs. 21, 29.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Ligonodina hindei* Ulrich and Bassler
Hypotypes 20834-20837
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 490, pl. 66, figs. 27, 28, 31.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Ligonodina* cf. *L. monodentata* Bischoff and Ziegler
Hypotypes 20838, 20839
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 490, pl. 66, fig. 26.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

?*Ligonodina salopia* Rhodes
Hypotype 25752
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 675, pl. 78, fig. 43.
Michelle Formation, Lower Devonian, lat. 65°38'12"N, long. 136°44'W, Hart River, Yukon.

*Ligonodina*(?) sp.
Hypotype 20840
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 491
Beaverhill Lake Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Lonchodina angustidens* Youngquist
Hypotypes 20841, 20842
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 491, pl. 67, fig. 6.
Wabamun Formation, Upper Deonian, Calstan Winterburn Province no. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Lonchodina arcuata* Ulrich and Bassler
Hypotypes 20843-20846
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 491, pl. 67, figs. 1, 2, 7.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Lonchodina detorta* Walliser
Hypotypes 21924-21927
Legault, J.A., 1969, Geol. Surv. Can., Bull. 165, pt. 1, p. 11, pl. 2, figs. 1-4.
Stonehouse Formation, Upper Silurian, brook no. 1 north of old Government wharf, north of McAras Brook, and shore section 336'8" and 126' from top, near Arisaig, Nova Scotia.

*Lonchodina greilingi* Walliser
Hypotypes 21928-21930
Legault, J.A., 1969, Geol. Surv. Can., Bull. 165, pt. 1, p. 12. pl. 2, figs. 10-12.
Stonehouse Formation, Upper Silurian, shore section 126' from top and brook no. 1 north of old Government wharf, north of McAras Brook, near Arisaig, Nova Scotia.

*Lonchodina pulchra* Branson and Mehl
Hypotypes 20847-20849
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 491, pl. 67, figs. 3, 4.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Lonchodina robusta* Branson and Mehl
Hypotypes 20850-20853
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 492, pl. 67, figs. 5, 8, 9.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Lonchodina* sp. indet.
Fig. specs. 21931-21933
Legault, J.A., 1969, Geol. Surv. Can., Bull. 165, pt. 1, p. 13, pl. 1, figs. 13-15.
Stonehouse Formation, Upper Silurian, brook no. 1 north of old Government wharf, north of McAras Brook, and McAdam Brook, near Arisaig, Nova Scotia.

*Lonchodina*(?) spp.
Hypotypes 20854
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 492.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Lonchodus*(?) spp.
Hypotypes 20855
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 492.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Loxodus* sp. aff. *L. bransoni* Furnish
Hypotypes 24426, 24427
Barnes, C.R. and Tuke, M.F., 1970, Geol. Surv. Can., Bull. 187, p. 87, pl. 20, figs. 1, 4, 15-17.
St. George Formation, Lower Ordovician, 2 to 3 miles southwest of Cape Norman, northern Newfoundland.

*Neogondolella regale* Mosher
Holotype 25048; paratypes 25049, 25050
Mosher, L.C., 1970, J. Pal., vol. 44, no. 4, p. 741, pl. 110, figs. 1, 2, 4, 5.
Toad Formation, Middle Triassic, west of Mile Post 375, Alaska Highway, British Columbia; Nevada, U.S.A.

*Neoprioniodus alatus* (Hinde)
Hypotypes 20856, 20857
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 492, pl. 67, fig. 11.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Neoprioniodus arisaigensis* Legault
Holotype 21934; paratype 21935, 21937
Legault, J.A., 1969, Geol. Surv. Can., Bull. 165, pt. 1, p. 14, pl. 2, figs. 5-7.
Stonehouse Formation, Upper Silurian, shore section 352'5" from top; brook no. 1 north of old Government wharf, north of McAras Brook; and shore section 273'8" from top, near Arisaig, Nova Scotia.

*Neoprioniodus armatus* (Hinde)
Hypotypes 20858-20860
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 493, pl. 67, figs. 13, 14.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Neoprioniodus mutabilis* (Branson and Mehl)
Hypotypes 20861-20863
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 493, pl. 67, figs. 12, 15.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Neoprioniodus* aff. *N. varians* (Branson and Mehl)
Hypotype 20864
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 494.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Neoprioniodus williamsi* Legault
Holotype 21937; apratype 21938
Legault, J.A., 1969, Geol. Surv. Can., Bull. 165, pt. 1, p. 14, pl. 2, figs. 8, 9.
Stonehouse Formation, Upper Silurian, brook no. 1 north of old Government wharf, north of McAras Brook, and shore section 130'6" from top, near Arisaig, Nova Scotia.

*Neoprioniodus* sp. A
Fig. specs. 25746, 25747
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 675, pl. 78, figs. 38, 39.
Michelle Formation, Lower Devonian, lat. 65°38'12"N, long. 136°44'W, Hart River, Yukon.

*Neoprioniodus* sp. B
Fig. spec. 25745
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 676, pl. 78, fig. 37.
Prongs Creek Formation, Lower Devonian, Solo Creek about 7.5 miles southeast of junction with Peel River, lat. 65°51'24"N, long. 134°15'30"W, Yukon.

*Neoprioniodus* sp. C
Fig. specs. 25748, 25749
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 676, pl. 78, figs. 40, 41.
Prongs Creek Formation, Lower Devonian, Solo Creek about 7.5 miles southeast of junction with Peel River, lat. 65°51'24"N, long. 134°15'30"W, Yukon.

*Neorhipidognathus radialis* Mound
Holotype 20865; paratypes 20866-20869
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 494, pl. 67, figs. 10, 16, 17, 20, 21.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, and Calstan Acheson Province No. 1 well, l.s.d. 2, sec. 2, tp. 53, rge. 26, W. 4th mer., Alberta.

*Nordiodus* n. sp. A
Fig. spec. 25421
Fahraeus, L.E., 1970, Bull. Geol. Soc. Amer., vol. 81, fig. 3N.
Table Head Formation, Middle Ordovician, Table Point, northwestern Newfoundland.

*Nothognathella abbreviata* Branson
Hypotypes 20870-20872
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 495, pl. 67, figs. 18, 19.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Nothognathella bicristata* Youngquist and Miller
Hypotypes 20873-20875
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 495, pl. 67, figs. 22, 23.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Nothognathella klapperi* Uyeno
Holotype 22825; paratypes 22826, 22827
Uyeno, T.T., 1967, Geol. Surv. Can., Paper 67-30, p. 5, pl. 1, figs. 7a, b, 8; pl. 2, figs. 1a-d.
Moberly(?) and Mildred Members, Waterways Formation, Upper Devonian, Imperial Judy Creek 6-7 well, depth 8516.3-8518.7 feet, l.s.d. 6, sec. 7, tp. 63, rge. 10, and Shell Swan Hills 6-31 well, depth 9353 feet, l.s.d. 6, sec. 31, tp. 67, rge. 12, W. 5th mer., Alberta.

*Nothognathella*(?) cf. *N. polygnathoidea* Branson and Mehl
Hypotypes 20876-20878
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 496, pl. 67, figs. 27-29.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Nothognathella* sp.
Hypotype 20879
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 496.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Oepikodus* n. sp. A
Fig. spec. 24428
Barnes, C.R. and Tuke, M.F., 1970, Geol. Surv. Can., Bull. 187, p. 87, pl. 20, figs. 8-10; fig. 6A.
St. George Formation, Lower Ordovician, 2 to 3 miles southwest of Cape Norman, northern Newfoundland.

*Oistodus* sp. cf. *O. abundans* Branson and Mehl
Hypotype 24735
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 109, pl. 22, fig. 13.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Oistodus inaequalis* Pander
Hypotypes 24429, 24430
Barnes, C.R. and Tuke, M.F., 1970, Geol. Surv. Can., Bull. 187, p. 89, pl. 20, figs. 2, 3, 7.
St. George Formation, Lower Ordovician, 2 to 3 miles southwest of Cape Norman, northern Newfoundland.

*Oistodus inclinatus* Branson and Mehl
Hypotype 24736
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 109, pl. 21, fig. 8.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Oistodus lanceolatus* Pander
Hypotype 20434
Norford, B.S., Bolton, T.E., Copeland, M.J., Cumming, L.M. and Sinclair, G.W., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 5, fig. 29.
Middle Ordovician, Nigel Pass, Jasper Park, Alberta.

*Oistodus lanceolatus* Pander
Hypotype 24773
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 119, pl. 24, figs. 23, 24.
Lévis Formation, Middle Ordovician, Montcalm Street, Lévis, Quebec.

*Oistodus multicorrugatus* Harris
Hypotype 24737
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 110, pl. 21, fig. 3.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Oistodus "triangularis"* Lindström
Hypotypes 24431, 24432
Barnes, C.R. and Tuke, M.F., 1970, Geol. Surv. Can., Bull. 187, p. 89, pl. 20, figs. 11, 13, 14.
St. George Formation, Lower Ordovician, 2 to 3 miles southwest of Cape Norman, northern Newfoundland.

*Oistodus venustus* Stauffer
Hypotypes 24738, 24739
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 110, pl. 21, figs. 6, 7.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec

*Oistodus*? sp.
Fig. spec. 24740
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 110, pl. 22, figs. 19, 20.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Oneotodus circularis* Mound
Holotype 20880; paratypes 20881-20884
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 496, pl. 67, figs. 25, 26, 31, 35.
Wabamun Formation, Upper Devonian, Calstan Acheson Province No. 1 well, l.s.d. 2, sec. 2, tp. 53, rge. 26 and Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Oneotodus variabilis* Lindström
Hypotype 24433
Barnes, C.R. and Tuke, M.F., 1970, Geol. Surv. Can., Bull. 187, p. 90, pl. 18, fig. 3.
St. George Formation, Lower Ordovician, 2 to 3 miles southwest of Cape Norman, northern Newfoundland.

*Ozarkodina denckmanni* Ziegler
Hypotypes 23867, 23869
Klapper, G., 1969, J. Pal., vol. 43, no. 1, p. 10, pl. 2, figs. 40, 41.
Prongs Creek Formation, Lower Devonian, headwaters Royal Creek, Wernecke Mountains, Yukon.

*Ozarkodina denckmanni* Ziegler
Hypotypes 25733-25735
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 676, pl. 78, figs. 25-27.
Michelle Formation, Lower Devonian, lat. 65°38'12"N, long. 136°44'W, Hart River, Yukon.

*Ozarkodina denckmanni* Ziegler
Hypotype 29909
McGregor, D.C. and Uyeno, T.T., 1972, Geol. Surv. Can., Paper 71-13, pl. 5, fig. 6.
Stuart Bay Formation, Lower Devonian, Young Inlet, northeastern Bathurst Island, District of Franklin.

*Ozarkodina elegans* (Stauffer)
Hypotypes 20885-20887
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 497, pl. 67, figs. 32, 27.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Ozarkodina* cf. *O. jaegeri* Walliser
Hypotype 21941
Legault, J.A., 1969, Geol. Surv. Can., Bull. 165, pt. 1, p. 16, pl. 1, fig. 4.
Stonehouse Formation, Upper Silurian, shore section 25' above Red Stratum, near Arisaig, Nova Scotia.

*Ozarkodina macra* Branson and Mehl
Hypotypes 20888-20892
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 497, pl. 67, figs. 24, 34, 38, 40.
Duvernay, Beaverhill Lake, and Wabamun Formations, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Ozarkodina media* Walliser
Hypotype 25751
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 677, pl. 78, fig. 42.
Michelle Formation, Lower Devonian, lat. 65°38'12"N, long. 136°44'W, Hart River, Yukon.

*Ozarkodina* n. sp. A
Fig. spec. 25739
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 677, pl. 78, fig. 32.
Michelle Formation, Lower Devonian, lat. 65°38'12"N, long. 136°44'W, Hart River, Yukon.

*Ozarkodina plana* (Huddle)
Hypotypes 20893-20895
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 497, pl. 67, figs. 39, 41.
Beaverhill Lake and Duvernay Formations, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Ozarkodina typica denckmanni* Ziegler
Hypotypes 21939, 21940
Legault, J.A., 1969, Geol. Surv. Can., Bull. 165, pt. 1, p. 15, pl. 1, figs. 5, 6.
Stonehouse Formation, Upper Silurian, brook no. 1 north of Old Governament wharf, north of McAras Brook and 500 feet upstream from mouth of North Branch of McAdam Brook, near Arisaig, Nova Scotia.

*Ozarkodina*(?) sp.
Hypotype 20896
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 498.
Ireton Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

?*Ozarkodina* sp.
Fig. spec. 24434
Barnes, C.R. and Tuke, M.F., 1970, Geol. Surv. Can., Bull. 187, p. 90, pl. 19, figs. 6, 7.
St. George Formation, Lower Ordovician, 2 to 3 miles southwest of Cape Norman, northern Newfoundland.

*Ozarkodina* n. sp. A
Fig. specs. 29907, 29908
McGregor, D.C. and Uyeno, T.T., 1972, Geol. Surv. Can., Paper 71-13, pl. 5, figs. 4, 5.
Eids and Stuart Bay Foramtions, Middle and Lower Devonian, Twilight Creek and Young Inlet, northeastern Bathurst Island, District of Franklin.

*Palmatodella delicatula* Ulrich and Bassler
Hypotypes 20897-20900
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 498, pl. 67, figs. 30, 33, 36.
Duvernay and Beaverhill Lake Formations, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Palmatolepis* cf. *P. distorta* Branson and Mehl
Hypotypes 20901
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 499.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Palmatolepis gigas* Miller and Youngquist
Hypotypes 20902-20904
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 499, pl. 68, figs. 1-3, 6.
Ireton, Leduc, and Duvernay Formations, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., and Calstan Westerose South well, l.s.d. 12, sec. 2, tp. 45, rge. 1, W. 5th mer., Alberta.

*Palmatolepis punctata* (Hinde)
Hypotypes 20905-20908
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 500, pl. 68, figs. 4, 5, 10-13.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Palmatolepis proversa* Ziegler
Hypotypes 20909-20911
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 500, pl. 68, figs. 14, 16, 21; pl. 71, figs. 15, 19.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Palmatolepis subrecta* Miller and Youngquist
Hypotypes 20912-20916
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 501, pl. 68, figs. 7, 15, 17; pl. 71, figs. 5-7, 9, 10 [ 20915].
Duvernay Foramtion, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Palmatolepis* sp.
Hypotype 20917
Mound, M.C., J. Pal. vol. 42, no. 2, p. 501.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Paltodus* sp.
Fig. spec. 24741
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 111, pl. 21, figs. 12, 13; fig. 7E.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Paltodus* sp. indet.
Fig. spec. 25724
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 677, pl. 78, figs. 8, 9.
Michelle Formation, Lower Devonian, lat. 65°38'12"N, long. 136°44'W, Hart River, Yukon.

*Panderodus compressus* (Branson and Mehl)
Hypotype 25730
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 677, pl. 78, figs. 19, 20.
Michelle Formation, Lower Devonian, approximately halfway between Blackstone and Hart Rivers about 10 miles south of Peel River, lat. 65°41'N, long. 137°01'W, Yukon.

*Panderodus gracilis* (Branson and Mehl)
Hypotype 25731
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 677, pl. 78, figs. 21, 22.
Michelle Formation, Lower Devonian, lat. 65°38'12"N, long. 136°44'W, Hart River, Yukon.

*Panderodus* n. sp. 1
Fig. spec. 24742, 24743
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 111, pl. 21, figs. 14, 16; fig. 7F.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Pelekysynathus communis* Thomas
Hypotypes 20918-20922
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 501, pl. 69, figs. 1. 8-10.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Pelekysgnathus furnishi* Klapper
Holotype 23853; paratypes 23854-23857
Klapper, G., 1969, J. Pal., vol. 43, no. 1, p. 11, pl. 2, figs. 12-21, 28, 29.
Prongs Creek Formation, Lower Devonian, headwaters Royal Creek, Wernecke Mountains, Yukon.

*Pelekysgnathus furnishi* Klapper
Hypotypes 25726, 25727
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 677, pl. 78, figs. 11, 12, 16, 17.
Michelle Formation, Lower Devonian, north flank Ogilvie Mountains east of Blackstone River, lat. 65°41'30"N, long. 137°26'30"W, Yukon.

*Pelekysgnathus glenisteri* Klapper
Holotype 23934; paratypes 23930-23933
Klapper, G., 1969, J. Pal., vol. 43, no. 1, p. 12, pl. 2, figs. 22-27, 30-34.
Blue Fiord Formation, Lower Devonian, Sutherland River, Douro Range, Devon Island, Arctic.

*Pelekysgnathus glenisteri* Klapper
Hypotype 29919
McGregor, D.C. and Uyeno, T.T., 1972, Geol. Surv. Can., Paper 71-13, pl. 5, figs. 28, 29.
Stuart Bay Formation, Lower Devonian, Young Inlet, northeastern Bathurst Island, District of Franklin.

*Pelekysgnathus nodosa* Thomas
Hypotypes 20923, 20924
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 502, pl. 69, fig. 11.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Pelekysgnathus* cf. *P. plana* Sannemann
Hypotype 20925
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 502, pl. 68, fig. 18.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Pelekysgnathus serratus* Jentzsch
Hypotype 23852
Klapper, G., 1969, J. Pal., vol. 43, no. 1, p. 12, pl. 2, figs. 10, 11.
Prongs Creek Formation, Lower Devonian, headwaters Royal Creek, Wernecke Mountains, Yukon.

*Pelekysgnathus*(?) sp.
Hypotype 20926
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 502.
Leduc Formation, Upper Devonian, Calstan Westerose South well, l.s.d. 12, sec. 2, tp. 45, rge. 1, W. 5th mer., Alberta.

*Periodon aculeatus* Hadding
Hypotypes 24744-24749
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 112, pl. 23, figs. 1-7.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Periodon aculeatus* Hadding
Hypotype 24774
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 119, pl. 24, figs. 21, 22.
Lévis Formation, Middle Ordovician, Montcalm Street, Lévis, Ontario

*Periodon flabellum* (Lindström)
Hypotypes 24750, 24751
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 112, pl. 23, figs. 10, 15.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Plectospathodus alternatus* Walliser
Hypotypes 25742, 25743
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 678, pl. 78, figs. 35, 36.
Michelle and Prongs Creek Formations, Lower Devonian, lat. 65°38'12"N, long. 136°44'W, Hart River, and Solo Creek about 7.5 miles southeast of junction with Peel River, lat. 65°51'24"N, long. 134°15'30"W, Yukon.

*Polycaulodus* sp.
Fig. spec. 24771
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 112, pl. 21, fig. 17.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Polygnathellus typicalis* Ulrich and Bassler
Hypotypes 20927, 20928
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 502, pl. 69, figs. 2, 3.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Polygnathellus*(?) sp.
Hypotype 20930
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 503.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Polygnathus alveoliposticus* Orr and Klapper
Hypotype 27644
Norris, A.W. and Uyeno, T.T., 1971, Geol. Assoc. Can., Sp. Paper 9, pl. 3, figs. 7a, b.
Dawson Bay Formation, Middle Devonian, road-cut on Highway 10 immediately north of The Bluff turnoff, Manitoba.

*Polygnathus angulosa* Stauffer
Hypotypes 20931, 20932
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 503, pl. 69, figs. 14, 20.
Duvernay and Nisku Formations, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer. and Calstan Westerose South well, l.s.d. 12, sec. 2, tp. 45, rge. 1, W. 5th mer., Alberta.

*Polygnathus angustidisca* Youngquist
Hypotypes 20933-20935
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 503, pl. 68, figs. 19, 20.
Beaverhill Lake Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Polygnathus angustipennatus* Bischoff and Ziegler
Hypotype 27640
Norris, A.W. and Uyeno, T.T., 1971, Geol. Assoc. Can., Sp. Paper 9, pl. 3, figs. 2a-c.
Elm Point Formation, Middle Devonian, Winnipeg Supply and Fuel Co. quarry, Spearhill, Manitoba.

*Polygnathus asymmetrica asymmetrica* Bischoff and Ziegler
Hypotypes 20936, 20937
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 503, pl. 68, figs. 8, 9.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Polygnathus asymmetrica ovalis* Ziegler and Klapper
Hypotype 20693
McLaren, D.J., Norris, A.W. and Cumming, L.M., 1970, Geol. Surv. Can., Econ. Geol. Rept. 1, pl. 10, fig. 17.
Moberly? Member, Waterways Formation, Upper Devonian, depth 8,518.66-8,521.04 feet, Imperial Judy Creek 6-7 well, l.s.d. 6, sec. 7, tp. 63, rge. 10, W. 5th mer., Alberta.

*Polygnathus asymmetrica ovalis* Ziegler and Klapper
Hypotypes 20938, 20939
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 504, pl. 69, figs. 4, 5.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Polygnathus* cf. *P. basilicus* Stauffer
Hypotype 20940
Mound, M.C., J. Pal., vol. 42, no. 2, p. 504.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Polygnathus brevilamina* Branson and Mehl
Homeotype 20941
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 504, pl. 69, figs. 6, 7.
Ireton Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Polygnathus communis* Branson and Mehl
Hypotypes 20942-20945
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 505, pl. 69, figs. 12, 13, 18.
Wabamun and Duvernay Formations, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Polygnathus decorosa* Stauffer
Hypotypes 20946-20949
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 505, pl. 69, figs. 19, 21, 29.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Polygnathus decorosus* Stauffer s.l. Ziegler 1966
Hypotype 27643
Norris, A.W. and Uyeno, T.T., 1971, Geol. Assoc. Can., Sp. Paper 9, pl. 3, figs. 6a-c.
Dawson Bay Formation, Middle Devonian, road-cut on Highway 10 immediately north of The Bluff turnoff, Manitoba

*Polygnathus dehiscens* Philip and Jackson
Hypotypes 25700-25703
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 2, p. 677, pl. 77, figs. 1-12.
Michelle Formation, Lower Devonian, lat. 65°38'12"N, long. 136°44'W., Hart River, Yukon.

*Polygnathus delicatula* Ulrich and Bassler
Homeotype 20950
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 506, pl. 69, figs. 23, 24.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Polygnathus foveolatus* Philip and Jackson
Hypotypes 23935-23940
Klapper, G., 1969, J. Pal., vol. 43, no. 1, p. 13, pl. 6, figs. 19-30.
Blue Fiord Formation, Lower Devonian, Sutherland River, Douro Range, Devon Island, Yukon.

*Polygnathus foveolatus* Philip and Jackson
Hypotype 29912
McGregor, D.C. and Uyeno, T.T., 1972, Geol. Surv. Can., Paper 71-13, pl. 5, figs. 13, 14.
Stuart Bay Formation, Lower Devonian, Young Inlet, northeastern Bathurst Island, District of Franklin.

*Polygnathus incompleta* Uyeno
Holotype 22828; paratype 22829
Uyeno, T.T., 1967, Geol. Surv. Can., Paper 67-30, p. 7, pl. 2, figs. 6a-c, 7a-c.
Calumet Member, Waterways Formation, Upper Devonian, California Standard Cynthia S.W. 16-21 well, depth 11,754-11,756.6 feet, l.s.d. 16, sec. 21, tp. 49, rge. 13, W. 5th mer., and 3.5-4.5 feet above river level, Clearwater River, Alberta.

*Polygnathus iowaensis* Youngquist and Peterson
Hypotype 20951
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 506.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

?*Polygnathus juvensis* Stauffer
Hypotypes 20952-20954
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 506, pl. 69, figs. 17, 22.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Polygnathus lenzi* Klapper
Holotype 23927; paratypes 23924-23926, 23928, 23929
Klapper, G., 1969, J. Pal., vol. 43, no. 1, p. 14, pl. 6, figs. 9-18.
Prongs Creek Formation, Lower Devonian, headwaters Royal Creek, Wernecke Mountains, Yukon.

*Polygnathus lenzi* Klapper
Hypotype 29911
McGregor, D.C. and Uyeno, T.T., 1972, Geol. Surv. Can., Paper 71-13, pl. 5, figs. 10-12.
Stuart Bay Formation, Lower Devonian, Young Inlet, northeastern Bathurst Island, District of Franklin.

*Polygnathus linguiformis linguiformis* Hinde
Hypotypes 27639, 27647
Norris, A.W. and Uyeno, T.T., 1971, Geol. Assoc. Can., Sp. Paper 9, pl. 3, figs. 1a, b, 10a-c.
Elm Point and Dawson Bay Formations, Middle Devonian, east face Canada Cement Co. Ltd. quarry, Steep Rock, and road-cut on Highway 10 immediately north of The Bluff turnoff, Manitoba.

*Polygnathus linguiformis mucronatus* Wittekindt s. l.
Hypotype 27642
Norris, A.W. and Uyeno, T.T., 1971, Geol. Assoc. Can., Sp. Paper 9, pl. 3, figs. 4a, b.
Elm Point Formation, Middle Devonian, east face Canada Cement Co. Ltd. quarry, Steep Rock, Manitoba.

*Polygnathus linguiformis mucronatus* Wittekindt s. l.
Hypotype 29916
McGregor, D.C. and Uyeno, T.T., 1972, Geol. Surv. Can., Paper 71-13, pl. 5, figs. 22, 23.
Bird Fiord Formation, Middle Devonian, Young Inlet, northeastern Bathurst Island, District of Franklin.

*Polygnathus nodocostata* Branson and Mehl
Hypotypes 20955, 20956
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 507, pl. 69, figs. 26, 27.
Wabamun Formation, Upper Devonian, Calstan Acheson Province No. 1 well, l.s.d. 2, sec. 2, tp. 53, rge. 26, W. 4th mer., Alberta.

*Polygnathus nodoundata* Helms
Hypotypes 20957, 20958
Mound, M.C., 1968, J. Pal., v. 42, no. 2, p. 508, pl. 69, figs. 15, 16.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Polygnathus normalis* Miller and Youngquist
Hypotypes 20959-20962
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 509, pl. 69, figs. 30, 31; pl. 70, figs. 1, 2, 5.
Ireton and Duvernay Formations, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Polygnathus norrisi* Uyeno
Holotype 22830; paratype 22831
Uyeno, T.T., 1967, Geol. Surv. Can., Paper 67-30, p. 10, pl. 2, figs. 4a-c, 5a-c.
Firebag Member, Waterways Formation, Upper Devonian, 6.51-6.74 feet above river level, Athabasca River and Richfield Oil Corp. Pony Creek No. 2 well, depth 1,541-1,542 feet, l.s.d. 9, sec. 1, tp. 80, rge. 8, W. 4th mer., Alberta.

*Polygnathus norrisi* Uyeno
Hypotype 27654
Norris, A.W. and Uyeno, T.T., 1971, Geol. Assoc. Can., Sp. Paper 9, pl. 3, figs. 15a-c.
Souris River Formation, Upper Devonian, Inland Cement Industries Ltd. quarry, 11 miles north of Mafeking, Manitoba.

*Polygnathus pennata* Hinde
Hypotypes 20963-20966
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 510, pl. 69, figs. 25, 28, 32, 33.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Polygnathus procera* Sannemann
Hypotypes 20967, 20968
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 510, pl. 71, fig. 1.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Polygnathus semicostata* Branson and Mehl
Hypotypes 20969-20971
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 511, pl. 70, figs. 3, 10.
Wagamun and Ireton Formations, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Polygnathus* cf. *P. unicornis* Müller and Müller
Hypotype 20972
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 511.
Ireton Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Polygnathus webbi* Stauffer
Hypotypes 20973-20976
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 511, pl. 70, figs. 7-8.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Polygnathus xylus* Stauffer
Hypotype 27645
Norris, A.W. and Uyeno, T.T., 1971, Geol. Assoc. Can., Sp. Paper 9, pl. 3, figs. 8a-c.
Dawson Bay Formation, Middle Devonian, road-cut on Highway 10 immediately north of The Bluff turnoff, Manitoba.

*Polygnathus* n. sp. A Schriel and Stoppel 1965
Fig. spec. 27641
Norris, A.W. and Uyeno, T.T., 1971, Geol. Assoc. Can., Sp. Paper 9, pl. 3, figs. 3a-c.
Elm Point Formation, Middle Devonian, east face Canada Cement Co. Ltd. quarry, Steep Rock, Manitoba.

*Polygnathus* spp.
Hypotypes 20977
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 512.
Leduc Formation, Upper Devonian, Calstan Westerose South well, l.s.d. 12, sec. 2, tp. 45, rge. 1, W. 5th mer., Alberta.

*Polyplacognathus* n. sp. A
Fig. spec. 25415
Fahraeus, L.E., 1970, Bull. Geol. Soc. Amer., vol. 81, p. 2067, figs. 3F, G.
Table Head Formation, Middle Ordovician, Table Point, northwestern Newfoundland.

*Prioniodina compressa* Branson and Mehl
Homeotype 20978
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 512, pl. 70, fig. 11.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Prioniodina macrodentata* (Graves and Ellison)
Hypotypes 24752, 24753
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 113, pl. 23, figs. 12, 16.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Prioniodina prona* (Huddle)
Hypotypes 20979-20983
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 512, pl. 70, figs. 4, 12, 14 16 [20982 ¼
Beaverhill Lake and Duvernay Formations, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Prioniodina*(?) sp.
Hypotype 20984
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 513.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Prioniodina*? n. sp.
Fig. specs. 24754-24756
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 113, pl. 23, figs. 9, 11, 14.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Prioniodus* sp. aff. *P. evae* Lindström
Hypotypes 24757-24759
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 114, pl. 23, figs. 8, 13; pl. 24, fig. 18.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Pygodus* n. sp. 1
Fig. spec. 24760
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 114, pl. 24, figs. 1, 2.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Pygodus* sp.
Fig. spec. 24761
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 115, pl. 24, figs. 3, 4.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Roundya brevipennata* Sannemann
Hypotypes 20985-20987
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 513, pl. 70, fig. 13; pl. 71, fig. 16.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Scandodus pipa* Lindström
Hypotype 24762
Uyeno, T.T. and Barnes, C.R. 1970, Geol. Surv. Can., Bull. 187, p. 115, pl. 22, figs. 6, 7; fig. 7C.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Scandodus* sp. indet.
Fig. spec. 25728
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 678, pl. 78, fig. 15.
Michelle Formation, Lower Devonian, north flank Ogilvie Mountains east of Blackstone River, lat. 65°41'30"N, long. 137°26'30"W, Yukon.

*Scolopodus cornutiformis* Branson and Mehl
Hypotypes 24435, 24436
Barnes, C.R. and Tuke, M.F., 1970, Geol. Surv. Can., Bull. 187, p. 91, pl. 18, figs. 1, 4; fig. 6B.
St. George Formation, Lower Ordovician, 2 to 3 miles southwest of Cape Norman, northern Newfoundland.

*Scolopodus emarginatus* Barnes and Tuke
Holotype 24438; paratypes 24437, 24439, 24440
Barnes, C.R. and Tuke, M.F., 1970, Geol. Surv. Can., Bull. 187, p. 91, pl. 18, figs. 2, 6-8; fig. 6C.
St. George Formation, Lower Ordovician, 2 to 3 miles southwest of Cape Norman, northern Newfoundland.

*Scolopodus gracilis* Ethington and Clark
Hypotypes 24441, 24442
Barnes, C.R. and Tuke, M.F., 1970, Geol. Surv. Can., Bull. 187, p. 92, pl. 18, figs. 11, 12; fig. 6E.
St. George Formation, Lower Ordovician, 2 to 3 miles southwest of Cape Norman, northern Newfoundland.

*Scolopodus gracilis* Ethington and Clark
Hypotype 24763
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 116, pl. 22, figs. 9, 10.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Scolopodus multicostatus* Barnes and Tuke
Holotype 24444; paratypes 24443, 24445-24447
Barnes, C.R. and Tuke, M.F., 1970, Geol. Surv. Can., Bull. 187, p. 92, pl. 18, figs. 5, 9, 15, 16; fig. 6D.
St. George Formation, Lower Ordovician, 2 to 3 miles southwest of Cape Norman, northern Newfoundland.

*Scolopodus quadraplicatus* Branson and Mehl
Hypotypes 24448-24451
Barnes, C.R. and Tuke, M.F., 1970, Geol. Surv. Can., Bull. 187, p. 93, pl. 18, figs. 13, 14, 17; fig. 6F.
St. George Formation, Lower Ordovician, 2 to 3 miles southwest of Cape Norman, northern Newfoundland.

*Scolopodus* n. sp. 1
Fig. spec. 24764
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 116, pl. 22, figs. 1, 2; fig. 7B.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Scolopodus* n. sp. 2
Fig. specs. 24765, 24766
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 116, pl. 22, figs. 3-5; fig. 7A.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Spathognathodus* cf. *S. aculeatus* (Branson and Mehl)
Hypotype 20988
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 513.
Nisku Formation, Upper Devonian, Calstan Westerose South well, l.s.d. 12, sec. 2, tp. 45, rge. 1, W. 5th mer., Alberta.

*Spathognathodus arcuata* (Branson and Mehl)
Hypotypes 20989-20991
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 514, pl. 70, figs. 15, 21.
Beaverhill Lake Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Spathognathodus* cf. *S. bipennatus* Bischoff and Ziegler *sensu* Bultynck (1970)
Hypotypes 29917, 29918
McGregor, D.C. and Uyeno, T.T., 1972, Geol. Surv. Can., Paper 71-13, pl. 5, figs. 24-27.
Blue Fiord Formation, Middle Devonian, Young Inlet, northeastern Bathurst Island, District of Franklin.

*Spathognathodus boucoti* Klapper
Holotype 23920; paratypes 23919, 23921-23923
Klapper, G., 1969, J. Pal., vol. 43, no. 1, p. 15, pl. 6, figs. 1-8.
Prongs Creek Formation, Lower Devonian, headwaters Royal Creek, Wernecke Mountains, Yukon.

*Spathognathodus exiguus* Philip
Hypotypes 23909-23913
Klapper, G., 1969, J. Pal., vol. 43, no. 1, p. 18, pl. 5, figs. 1-7.
Prongs Creek Formation, Lower Devonian, headwaters Royal Creek, Wernecke Mountains, Yukon.

*Spathognathodus exiguus* Philip
Hypotypes 25712-25714
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 678, pl. 77, figs. 25-30, 32.
Michelle Formation, Lower Devonian, lat. 65°38'12"N, long. 136°44'W, Hart River, and approximately halfway between Blackstone and Hart Rivers about 10 miles south of Peel River, lat. 65°41'N, long. 137°01'W, Yukon.

*Spathognathodus exiguus* Philip
Hypotype 29914
McGregor, D.C. and Uyeno, T.T., 1972, Geol. Surv. Can., Paper 71-13, pl. 5, figs. 17, 18.
Stuart Bay Formation, Lower Devonian, Young Inlet, northeastern Bathurst Island, District of Franklin.

*Spathognathodus exiguus philipi* Klapper
Holotype 23903; paratypes 23904-23908
Klapper, G., 1969, J. Pal., vol. 43, no. 1, p. 16, pl. 4, figs. 30-38.
Prongs Creek Formation, Lower Devonian, headwaters Royal Creek, Wernecke Mountains, Yukon.

*Spathognathodus graduatus* (Youngquist)
Hypotypes 20992-20996, 21064
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 514, pl. 70, figs. 22, 24-27.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 23, rge. 25, W. 4th mer., Alberta.

*Spathognathodus inclinatus inclinatus* (Rhodes)
Hypotypes 23865, 23866
Klapper, G., 1969, J. Pal., vol. 43, no. 1, p. 18, pl. 2, figs. 38, 39.
Prongs Creek Formation, Lower Devonian, headwaters Royal Creek, Wernecke Mountains, Yukon.

*Spathognathodus inclinatus wurmi* Bischoff and Sannemann
Hypotype 25711
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 679, pl. 77, fig. 22.
Michelle Formation, Lower Devonian, lat. 65°38'12"N, long. 136°44'W, Hart River, Yukon.

*Spathognathodus insitus* (Stauffer)
Hypotypes 27649-27651
Norris, A.W. and Uyeno, T.T., 1971, Geol. Assoc. Can., Sp. Paper 9, pl. 3, figs. 12, 16, 17.
Souris River Formation, Upper Devonian, Inland Cement Industries Ltd. quarry, 11 miles north of Mafeking, Manitoba.

*Spathognathodus johnsoni* Klapper
Holotype 23916; paratypes 23914, 23915
Klapper, G., 1969, J. Pal., vol. 43, no. 1, p. 18, pl. 5, figs. 8, 9, 11-16.
Prongs Creek Formation, Lower Devonian, headwaters Royal Creek, Wernecke Mountains, Yukon.

*Spathognathodus* cf. *S. johnsoni* Klapper
Hypotypes 23917, 23918
Klapper, G., 1969, J. Pal., vol. 43, no. 1, p. 19, pl. 5, figs. 17-20.
Prongs Creek Formation, Lower Devonian, headwaters Royal Creek, Wernecke Mountains, Yukon.

*Spathognathodus linearis* (Philip)
Hypotype 25718
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 679, pl. 77, fig. 39.
Michelle Formation, Lower Devonian, lat. 65°38'12"N, long. 136°44'W, Hart River, Yukon.

*Spathognathodus optimus* Moskalenko
Hypotypes 23891-23902
Klapper, G., 1969, J. Pal., vol. 43, no. 1, p. 20, pl. 4, figs. 13-29.
Prongs Creek Formation, Lower Devonian, headwaters Royal Creek, Wernecke Mountains, Yukon.

*Spathognathodus optimus* Moskalenko
Hypotypes 25705-25710
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 679, pl. 77, figs. 15-21, 23, 24, 31.
Michelle and Prongs Creek Formations, Lower Devonian, lat. 65°38'12"N, long. 136°44'W, Hart River, and Solo Creek about 7.5 miles southeast of junction with Peel River, lat. 65°51'24"N, long. 134°15'30"W, Yukon.

*Spathognathodus remscheidensis* Ziegler
Hypotypes 23886-23890
Klapper, G., 1969, J. Pal., vol. 43, no. 1, p. 21, pl. 4, figs. 4-12.
Prongs Creek Formation, Lower Devonian, headwaters Royal Creek, Wernecke Mountains, Yukon.

*Spathognathodus remscheidensis* Ziegler
Hypotype 29913
McGregor, D.C. and Uyeno, T.T., 1972, Geol. Surv. Can., Paper 71-13, pl. 5, figs. 15, 16.
Stuart Bay Formation, Lower Devonian, Young Inlet, northeastern Bathurst Island, District of Mackenzie

*Spathognathodus stabilis* (Branson and Mehl)
Homeotype 20791
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 514, pl. 70, figs. 19, 23.
Beaverhill Lake Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta

*Spathognathodus steinhornensis* Ziegler *sensu lato*
Hypotype 25704
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 680, pl. 77, figs. 13, 14.
Prongs Creek Formation, Lower Devonian, Solo Creek about 7.5 miles southeast of junction with Peel River, lat. 65°51'24"N, long. 134°15'30"W, Yukon.

*Spathognathodus steinhornensis eosteinhornensis* Walliser
Hypotypes 21942-21944
Legault, J.A., 1969, Geol. Surv. Can., Bull. 165, pt. 1, p. 17, pl. 1, figs. 1-3.
Stonehouse Formation, Upper Silurian, shore section 126 feet from top, and brook no. 1 north of old Government wharf, north of McAras Brook, near Arisaig, Nova Scotia.

*Spathognathodus sulcatus* (Philip)
Hypotypes 23858-23864, 23869-23885
Klapper, G., 1969, J. Pal., vol. 43, no. 1, p. 22, pl. 2, figs. 35-37, 42-47; pl. 3, figs. 1-21.
Prongs Creek Formation, Lower Devonian, headwaters Royal Creek, Wernecke Mountains, Yukon.

*Spathognathodus sulcatus* (Philip)
Hypotypes 25715-25717
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 680, pl. 77, figs. 33-38.
Prongs Creek Formation, Lower Devonian, Solo Creek about 7.5 miles southeast of junction with Peel River, lat. 65°51'24"N, long. 134°15'30"W, Yukon.

*Spathognathodus sulcatus* (Philip)
Hypotypes 29906, 29910
McGregor, D.C. and Uyeno, T.T., 1972, Geol. Surv. Can., Paper 71-13, pl. 5, figs. 1-3, 7-9.
Stuart Bay and Bathurst Island(?) Formations, Lower Devonian, Young Inlet, northeastern Bathurst Island, District of Franklin.

*Spathognathodus* n. sp. Lindstrom 1960
Fig. spec. 25417
Fahraeus, L.E., 1970, Bull. Geol. Soc. Amer., vol. 18, fig. 3I.
Table Head Formation, Middle Ordovician, Table Point, northwestern Newfoundland.

*Spathognathodus* n. sp. A
Fig. spec. 25719
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 680, pl. 77, fig. 40.
Michelle Formation, Lower Devonian, lat. 65°38'12"N, long. 136°44'W, Hart River, Yukon.

*Spathognathodus* n. sp. A
Fig. specs. 29915, 29920
McGregor, D.C. and Uyeno, T.T., 1972, Geol. Surv. Can., Paper 71-13, pl. 5, figs. 19-21, 30-32.
Eids and Stuart Bay Formations, Middle and Lower Devonian, Twilight Creek and Young Inlet, northeastern Bathurst Island, District of Franklin.

*Spathognathodus*? sp.
Fig. specs. 22832, 22833
Uyeno, T.T., 1967, Geol. Surv. Can., Paper 67-30, p. 11, pl. 2, figs. 2a-c, 3a-c.
Firebag Member, Waterways Formation, Upper Devonian, Richfield Oil Corp. Pony Creek No. 2 well, depths 1,541-1,542 feet and 1,512-1,517 feet, l.s.d. 9, sec. 1, tp. 80, rge. 8, W. 4th mer., Alberta.

*Spathognathodus* sp.
Fig. spec. 24767
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv. Can., Bull. 187, p. 117, pl. 24, figs. 12, 13.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Spathognathodus* sp. A
Fig. spec. 27648
Norris, A.W. and Uyeno, T.T., 1971, Geol. Assoc. Can., Sp. Paper 9, pl. 3, fig. 11.
Souris River Formation, Upper Devonian, Inland Cement Industries Ltd. quarry, 11 miles north of Mafeking, Manitoba.

*Spathognathodus*? spp.
Hypotype 21065
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 515
Nisku Formation, Upper Devonian, Calstan Westerose South well, l.s.d. 12, sec. 2, tp. 45, rge. 1, W. 5th mer., Alberta.

*Synprioniodina gracilis* Stauffer
Hypotypes 21066-21071
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 515, pl. 70, fig. 17; pl. 71, figs. 3, 4, 11, 13.
Wabamun and Duvernay Formations, Upper Devonian, Calstan Winterburn Province No. 1 well,. l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Synprioniodina*? sp.
Hypotype 21072
Mound, M.C., 1968, J. Pal. vol. 42, no. 2, p. 516.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Trichonodella blanda* (Stauffer)
Hypotypes 21074, 21705
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 516, pl. 71, fig. 8.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Trichonodella* cf. *T. blanda* (Stauffer)
Hypotype 21073
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 516, pl. 70, fig. 9.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Trichonodella excavata* (Branson and Mehl)
Homeotype 21076
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 516, pl. 70, fig. 18.
Wabamun Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Trichonodella inconstans* Walliser
Hypotypes 21077-21079
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 516, pl. 71, figs. 2, 18.
Duvernay and Wabamun Formations, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25 and Calstan Acheson Province No. 1 well, l.s.d. 2, sec. 2, tp. 53, rge. 26, W. 4th mer., Alberta.

*Trichonodella inconstans* Walliser
Hypotypes 21945-21947
Legault, J.A., 1969, Geol. Surv. Can., Bull. 165, pt. 1, p. 18, pl. 1, figs. 7-9.
Stonehouse Formation, Upper Silurian, brook no. 1 north of old Government wharf, north of McAras Brook, and shore section 363'5" and 97'6" from top near Arisaig, Nova Scotia.

*Trichonodella inconstans* Walliser
Hypotype 25750
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 681, pl. 78, fig. 41.
Michelle Formation, Lower Devonian, north flank Ogilvie Mountains east of Blackstone River, lat. 65°41'30"N, long. 137°26'30"W, Yukon.

*Trichonodella robusta* (Branson and Mehl)
Hypotypes 21081-21083
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 517, pl. 71, figs. 12, 14, 17.
Duvernay Formation, Upper Devonian, Calstan Winterburn Province No. 1 well, l.s.d. 10, sec. 4, tp. 53, rge. 25, W. 4th mer., Alberta.

*Trichonodella* cf. *T. robusta* (Branson and Mehl)
Hypotypes 21080, 21084
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 517, pl. 70, fig. 20.
Wabamun Formation, Upper Devonian, Calstan Acheson Province No. 1 well, l.s.d. 2, sec. 2, tp. 53, rge. 26, W. 4th mer., Alberta.

*Trichonodella*? spp.
Hypotypes 20816
Mound, M.C., 1968, J. Pal., vol. 42, no. 2, p. 517.
Wabamun Formation, Upper Devonian, Calstan Acheson Province No. 1 well, l.s.d. 2, sec. 2, tp. 53, rge. 26, W. 4th mer., Alberta.

*Trichonodella* n. sp. A
Fig. spec. 25753
Fahraeus, L.E., 1971, J. Pal., vol. 45, no. 4, p. 681, pl. 78, figs. 45, 46.
Prongs Creek Formation, Lower Devonian, Solo Creek about 7.5 miles southeast of junction with Peel River, lat. 65°51'24"N, long 134°15'30"W, Yukon.

*Trichonodella* n. sp. 1
Fig. spec. 24768
Uyeno, T.T. and Barnes, C.R., 1970, Geol. Surv., Can., Bull. 187, p. 117, pl. 24, figs. 19, 20.
Lévis Formation, Middle Ordovician, Côte Fréchette, Lévis, Quebec.

*Ulrichodina prima* Furnish
Hypotypes 24452, 24453
Barnes, C.R. and Tuke, M.F., 1970, Geol. Surv. Can., Bull. 187, p. 94, pl. 20, figs. 5, 6, 12; fig. 6G.
St. George Formation, Lower Ordovician, 2 to 3 miles southwest of Cape Norman, northern Newfoundland.

## TENTACULITES

*Guerichina lenini* Ludvigsen

Paratypes 25774, 25778

Ludvigsen, R., 1972, Can. J. Earth Sci., vol. 9, no. 3, p. 313, pl. 2, figs. 15, 18.

Road River Formation, Early Devonian, sharp-edged ridge, lat. 65°41.5N, long. 137°26.5'W, Yukon.

*Guerichina* sp.

Fig. specs. 25775-25777

Ludvigsen, R., 1970, Bull. Can. Petrol. Geol., vol. 18, no. 3, pl. 4, figs. 7-9.

Road River Formation, Lower Devonian, lat. 65°41.5'N, long. 137°26.5'W, east side Blackstone River at northern edge of Ogilvie Mountain front, Yukon.

= *Guerichina lenini*, Ludvigsen, R., 1972, Can. J. Earth Sci., vol. 9, no. 3, p. 313, pl. 2, figs. 14 [holotype 25776], 16 [paratype 25777], 17 [paratype 25775].

*Metastyliolina conica* Ludvigsen

Paratypes 25810, 25811

Ludvigsen, R., 1972, Can. J. Earth Sci., vol. 9, no. 3, p. 316, pl. 2, figs. 29, 30.

Michelle Formation, Early Devonian, west side of Hart River and up a small creek gully, lat. 65°38.2'N, long. 136°44'W, Yukon.

*Metastyliolina* sp. aff. *M. erbeni* Boucek

Hypotypes 25812-25814

Ludvigsen, R., 1970, Bull. Can. Petrol. Geol., vol. 18, no. 3, pl. 4, figs. 1-3.

Michelle Formation, Lower Devonian, lat. 65°38.2'N, long. 136°44'W, west side Hart River at northern edge of Ogilvie Mountains, Yukon.

= *Metastyliolina conica*, Ludvigsen, R., 1972, Can. J. Earth Sci., vol. 9, no. 3, p. 316, pl. 2, figs. 31, 32 [holotype 25812], 33 [paratype 25813].

*Nowakia acuria* (Richter)

Hypotypes 25751-25753, 25757, 25758, 25761, 25762

Ludvigsen, R., 1970, Bull. Can. Petrol. Geol. vol. 18, no. 3, pl. 3, figs. 1-7.

Road River and Michelle Formations, Lower Devonian, lat. 65°41.5N, long. 137°26.5'W, east side Blackstone River at northern edge of Ogilvie Mountain front; lat. 65°38.2'N, long. 136°44'W, west side Hart River at northern edge of Ogilvie Mountains; and lat. 65°41'N, long. 137°01'W,

*Nowakia acuria* (Richter) (con't)
south-facing ridge at northern edge of Ogilvie Mountains, approximately halfway between Hart and Blackstone Rivers, Yukon.
= *Turkestanella acuaria*, Ludvigsen, R., 1972, Can. J. Earth Sci., vol. 9, no. 3, p. 309, pl. 1, figs. 1-3, 6, 8, 10, 11.

*Nowakia* sp. cf. *N. barrandei* Boucek and Prantl
Hypotypes 25781, 25782, 25785-25787
Ludvigsen, R., 1970, Bull. Can. Petrol. Geol., vol. 18, no. 3, pl. 4, figs. 10-15.
Michelle Formation, Lower Devonian, lat. 65°41.5'N, long. 137°26.5'W, east side Blackstone River at northern edge of Ogilvie Mountain front, Yukon.
= *Nowakia parabarrandei*, Ludvigsen, R., 1972, Can. J. Earth Sci., vol. 9, no. 3, p. 305, pl. 1, figs. 15, 17-22.

*Nowakia* sp. cf. *N. barrandei* Boucek and Prantl
Hypotype 25809
Ludvigsen, R., 1972, Can. J. Earth Sci., vol. 9, no. 3, p. 307, pl. 2, fig. 36.
Prongs Creek Formation, Early Devonian, Solo Creek, lat. 65°51.4'N, long. 134°15.5'W, Yukon.

*Nowakia parabarrandei* Churkin and Carter
Hypotypes 25779, 25780
Ludvigsen, R., 1972, Can. J. Earth Sci., vol. 9, no. 3, p. 305, pl. 1, figs. 14, 16.
Michelle Formation, Early Devonian, steep, dry gully on east side of Blackstone River, lat. 65°41.5'N, long. 137°26.5'W, Yukon.

*Nowakia* n. sp.
Fig. specs. 29151, 29152
Ludvigsen, R., 1972, Can. J. Earth Sci., vol. 9, no. 3, p. 307, pl. 3, figs. 1, 2.
Michelle Formation, Early Devonian, south side of east-west trending ridge, about 0.8 km north of Ogilvie River. lat. 65°22.5'N, long. 138°27'W, Yukon.

*Striatostyliolina* sp.
Fig. spec. 25767
Ludvigsen, R.,
1970, Bull. Can. Petrol., vol. 18, no. 3, pl. 4, fig. 4.
1972, Can. J. Earth Sci., vol. 9, no. 3, p. 315, pl. 2, fig. 34.
Michelle Formation, Lower Devonian, lat. 65°41'N, long. 137°01'W, south-facing ridge at northern edge of Ogilvie Mountains, approximately halfway between Hart and Blackstone Rivers, Yukon.

*Striatostyliolina* sp.
Fig. spec. 25768
Ludvigsen, R., 1972, Can. J. Earth Sci., vol. 9, no. 3, p. 315, pl. 2, fig. 35.
Road River Formation, Early Devonian, sharp-edged ridge, lat. 65°41.5N, long. 137°26.5'W, Yukon.

*Styliolina blackstonensis* Ludvigsen
Holotype 25802; paratypes 25801, 25803
Ludvigsen, R., 1972, Can. J. Earth Sci., vol. 9, no. 3, p. 314, pl. 2, figs. 19-21.
Road River Formation, Early Devonian, sharp-edged ridge, lat. 65°41.5'N, long. 137°26.5'W, Yukon.

*Styliolina* sp. cf. *S. fissurella* (Hall)
Hypotypes 25769, 25771
Ludvigsen, R.,
1970, Bull. Can. Petrol. Geol., vol. 18, no. 3, pl. 4, figs. 5, 6.
1972, Can. J. Earth Sci., vol. 9, no. 3, p. 314, pl. 2, figs. 24, 26.
Road River Formation, Lower Devonian, lat. 65°41.5'N, long. 137°26.5'W, east side Blackstone River at northern edge of Ogilvie Mountain front, Yukon.

*Styliolina* sp. cf. *S. fissurella* (Hall)
Hypotypes 25770, 29156
Ludvigsen, R., 1972, Can. J. Earth Sci., vol. 9, no. 3, p. 314, pl. 2, fig. 25; pl. 3, fig. 6.
Road River and Michelle Formations, Early Devonian, sharp-edged ridge, lat. 65°41.5'N, long. 137°26.5'W, and lat. 65°28'N, long. 139°10'W, west of Blackstone River, Yukon.

*Styliolina* sp. A
Fig. specs. 25772, 25773
Ludvigsen, R., 1972, Can. J. Earth Sci., vol. 9, no. 3, p. 315, pl. 2, figs. 22, 23.
Prongs Creek Formation, Early Devonian, Solo Creek, lat. 65°51.4'N, long. 134°15.5'W, Yukon.

*Styliolina* sp. B
Fig. specs. 25767, 25766
Ludvigsen, R., 1972, Can. J. Earth Sci., vol. 9, no. 3, p. 315, pl. 2, figs. 27, 28.
Michelle and Road River Formations, Early Devonian, steep, dry gully on east side of Blackstone River, lat. 65°41.5'N, long. 137°26.5'W and sharp-edged ridge, 100m south, Yukon.

*Turkestanella acuaria* (Richter)
Hypotypes 25754, 25756, 25759, 25760, 25763, 25764, 29153-29156
Ludvigsen, R., 1972, Can. J. Earth Sci., vol. 9, no. 3, p. 309, pl. 1, figs. 4, 5, 7, 9, 12, 13; pl. 3, figs. 3-6.
Road River and Michelle Fomations, Early Devonian, sharp-edged ridge at lat. 65°41.5'N, long. 137°26.5'W; south-facing part of the northernmost ridge of the Ogilvie Mountains, lat. 65°41'N, long. 137°01'W; west side of Hart River and up a small gully, lat. 65°38.2'N, long. 136°44'W; south side of east-west trending ridge, lat. 65°22.5'N, long. 138°27'W; and lat. 65°28'N, long. 139°10'W, Yukon.

*Turkestanella minuta* Ludvigsen

Holotype 25804; paratypes 25805, 25806, 25808

Ludvigsen, R., 1972, Can. J. Earth Sci., vol. 9, no. 3, p. 312, pl. 2, figs. 37-40.

Michelle Formation, Early Devonian, west side of Hart River and up a small gully, lat. 65°38.2'N, long. 136°44'W and steep, dry gully on east side of Blackstone River, lat. 65°41.5'N, long. 137°26.5'W, Yukon.

*Viriatellina michellensis* Ludvigsen

Paratypes 25790, 25793, 25795-25800

Ludvigsen, R., 1972, Can. J. Earth Sci., vol. 9, no. 3, p. 312, pl. 2, figs. 3, 6, 8-13.

Michelle Formation, Early Devonian, steep, dry gully on east side of Blackstone River, lat. 65°41.5'N, long. 137°26.5'W, Yukon.

*Viriatellina* sp. aff. *V. pseudogeinitziana* Boucek

Hypotypes 25788, 25789, 25791, 25792, 25794

Ludvigsen, R., 1970, Bull. Can. Petrol. Geol., vol. 18, no. 3, pl. 3, figs. 8-12.

Michelle Formation, Lower Devonian, lat. 65°41.5'N, long. 137°26.5'W, east side Blackstone River at northern edge of Ogilvie Mountain, Yukon.

= *Viriatellina michellensis*, Ludvigsen, R., 1972, Can. J. Earth Sci., vol. 9, no. 3, p. 312, pl. 2, figs. 1 [paratype 25788], 2 [holotype 25789], 4, 5 [paratypes 25791, 25792], 7 [paratype 25794].

## CHITINOZOA

?*Angochitina* sp.
Fig. spec. 26299
McGregor, D.C. and Cramer, F.H., 1971, Geol. Surv. Can., Bull. 202, pl. 2, figs. 11, 12.
Cat Head Member, Red River Formation, Ordovician, McBeth Point, Lake Winnipeg, Manitoba.

*Conochitina* sp. I, II
Fig. specs. 26301, 26302
McGregor, D.C. and Cramer, F.H., 1971, Geol. Surv. Can., Bull. 202, pl. 2, figs. 14-16.
Cat Head Member, Red River Formation, Ordovician, McBeth Point, Lake Winnipeg, Manitoba.

*Hercochitina* sp.
Fig. spec. 26300
McGregor, D.C. and Cramer, F.H., 1971, Geol. Surv. Can., Bull. 202, pl. 2, figs. 13, 17.
Cat Head Member, Red River Formation, Ordovician, McBeth Point, Lake Winnipeg, Manitoba.

*Hoegisphaera acollaris* (Eisenack) Jansonius
Hypotypes 26297, 26298
McGregor, D.C. and Cramer, F.H., 1971, Geol. Surv. Can., Bull. 202, pl. 2, figs. 10, 18, 19.
Cat Head Member, Red River Formation, Ordovician, McBeth Point, Lake Winnipeg, Manitoba.

## INCERTAE SEDIS

Algal-like forms

Hypotype 24373

Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 34, pl. 8, fig. 4.

Vermilion Formation, Whitewater Group, Precambrian, dump of Errington No. 2 mine, 4 miles southwest of Chelmsford, Ontario.

*Animikiea septata* Barghoorn

Topotype 24381a

Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 45, pl. 15, fig. 1.

Gunflint Formation, Precambrian, Winston Point, 5.5 miles west of Schreiber, Ontario.

*Animikiea* or *Entosphaeroides*

Hypotype 24381b

Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 46, pl. 15, fig. 7.

Gunflint Formation, Precambrian, Winston Point, 5.5. miles west of Schreiber, Ontario.

Archaeospherina Dawson

Hypotype 24368

Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 12, pl. 2.

Precambrian, quarry northwest of Lac Allard, west side of road between Côte St. Pierre and St. André-Avellin, lat. 45°45'29"N, long. 75°04'24"W, Quebec.

cf. *Archaeotrichion*

Fig. spec. 24832, a [specimen and thin section]

Hofmann, H.J. and Jackson, G.D., 1969, Can. J. Earth Sci., vol. 6, no. 5, p. 1139, pl. 1, fig. 9.

Belcher Group, Precambrian, small island north of Moore Island, Churchill Sound, lat. 56°27'N, long. 79°31'W, Belcher Islands, Hudson Bay.

Aspidella terranovica Billings

Plastotype of holotype 221c; hypotypes 221a, b, 24371

Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 14, pl. 51, figs. 1-3, 5.

St. John's Formation, Precambrian, near St. John's; Ferryland Harbour; and basement of Court House, St. John's, Newfoundland.

Aspidella-like structure
Hypotype 24370a
Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 14, pl. 5, fig. 4.
St. John's Formation, Precambrian, road-cut 1.8 miles north-northwest of Torbay, Newfoundland.

*Atikokania irregularis* Walcott
Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 24, pl. 10, fig. 1 [holotype 8059d].

*Atikokania lawsoni* Walcott
Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 24, pl. 6, figs. 1, 2 [syntypes 8059a, c].

*Bergaueria* sp.
Fig. spec. 22960
Arai, M.N. and McGugan, A., 1968, J. Pal., vol. 42, no. 1, p. 206, pl. 36, figs. 1, 3, 4, 6, 8, 9, 11, 12.
Gog Group, Lower Cambrian, Sentinel Pass near Moraine Lake, Banff area, Alberta.

*Biocatenoides* sp.
Fig. specs. 24832, a [specimen and thin section]
Hofmann, H.J. and Jackson, G.D., 1969, Can. J. Earth Sci., vol. 6, no. 5, p. 1139, pl. 1, figs. 3, 4.
Belcher Group, Precambrian, small island north of Moore Island, Churchill Sound, lat. 56°27'N, long. 79°31'W, Belcher Islands, Hudston Bay.

*Chondrites*(?) sp.
Hypotype 27796
Young, F.G., 1972, Can. J. Earth Sci., vol. 9, no. 1, p. 10, fig. 3a.
Yanks Peak Formation, Precambrian, southwest side of Highway 16 near Lunate Creek, upper Fraser Valley, British Colubmia.

Chuaria
Hypotypes 24409, 24410
Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 24, pl. 11, figs. 5-7.
Hector Formation, Precambrian, eastern base of Storm Mountain, 30 km west of Banff, Alberta.

Cluster of bacteria(?)
Hypotype 24380c
Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 51, pl. 15, fig. 20.
Gunflint Formation, Precambrian, 6.4 km west of Schreiber, Ontario.

*Didymaulichnus miettensis* Young
Holotype 27802; paratypes 27803-27807
Young, F.G., 1972, Can. J. Earth Sci., vol. 9, no. 1, p. 10, figs. 8, 9.
Miette Group, Precambrian, north slope of an unnamed mountain 3.2 km from the summit of Mount Buchanan in a direction S74°W, lat. 53°52'43"N, long. 129°10'45"W, British Columbia.

*Diplichnites* sp.
Fig. specs. 27800, 27801
Young, F.G., 1972, Can. J. Earth Sci., vol. 9, no. 1, p. 13, figs. 6, 7.
Gog Group, Lower Cambrian, Mount Temple 2 km north of Moraine Lake, Banff National Park, Alberta.

Elliptical structures in Grenville limestone
Hypotype 24377, a-d
Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 30, pl. 24, figs. 1-4.
Dungannon Formation, Mayo Group, Precambrian, L'Amable, 4.2 miles southeast of Bancroft, Ontario.

?*Eoastrion bifurcatum* Barghoorn
Hypotype 24380c
Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 48, pl. 15, fig. 15.
Gunflint Formation, Precambrian, 6.4 miles west of Schreiber, Ontario.

*Eoastrion simplex* Barghoorn
Hypotypes 24380b, c
Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 48, pl. 15, figs. 13, 14.
Gunflint Formation, Precambrian. 6.4 miles west of Schreiber, Ontario.

*Eoastrion* or *Palaeorivularia*
Hypotype 24380b
Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 48, pl. 15, fig. 19.
Gunflint Formation, Precambrian, 6.4 km west of Schreiber, Ontario.

*Eomicrhystridium barghoorni* Deflandre
Hypotypes 24380a, c
Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 50, pl. 25, figs. 4-7.
Gunflint Formation, Precambrian, 6.4 km west of Schreiber, Ontario.

*Eomicrhystridium barghoorni*? Deflandre
Hypotype 24380c
Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 50, pl. 25, fig. 8.
Gunflint Formation, Precambrian. 6.4 miles west of Schreiber, Ontario

*Eomycetopsis* sp.
Fig. specs. 24832, a [specimen and thin section]
Hofmann, H.J. and Jackson, G.D., 1969, Can. J. Earth Sci., vol. 6, no. 5, p. 1139, pl. 1, figs. 6-8.
Belcher Group, Precambrian, small island north of Moore Island, Churchill Sound, lat. 56°27'N, long. 79°31'W, Belcher Islands, Hudson Bay,.

*Eosphaera tyleri* Barghoorn
Hypotype 24381b
Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 49, pl. 15, fig. 17.
Gunflint Formation, Precambrian, Winston Point, 5.5 miles west of Schreiber, Ontario.

Eozoon canadense Dawson

Topotypes 139, 140, 168, 198-201; hypotypes 152, 157, 165, a, 24368, 24369

Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 6, pl. 1, figs. 1-4; pl. 2; pl. 3, figs. 1, 2, 4.

Precambrian, lots 2 and 11, con. 9, North Burgess tp., Lanark co., Ontario; quarry northwest of Lac Allard, west side of road between Côte St. Pierre and St. André-Avellin, lat. 45°45'29"N, long. 75°04'24"W, Quebec [152, 24368]; 0.7 mile southeast of Millbridge, Tudor tp., Ontario [157]; rapids of the Grand Calumet channel of the Ottawa River near Bryson, Quebec [165, a]; and western quarry southeast outskirts of Madoc, Ontario [24369]

Graphitic compressions

Paratype 24411

Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 35.

Attikamagen Formation, Precambrian, burrow pit near road to Squaw Lake, northeast edge of Schefferville, Quebec.

*Gunflintia grandis* Barghoorn

Hypotype 24380a

Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 47, pl. 15, fig. 4.

Gunflint Formation, Precambrian. 6.4 km west west of Schreiber, Ontario.

*Gunflinitia minuta* Barghoorn

Topotype 24380c

Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 46, pl. 15, figs. 2, 3, 6.

Gunflint Formation, Precambrian, 6.4 km west of Schreiber, Ontario.

*Halichondrites graphitiferus* Matthew

Hypotype 24378

Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 22.

Green Head Group, Precambrian, Reversing Falls, Saint John River, Saint John, New Brunswick.

*Huroniospora macroreticulata* Barghoorn

Hypotype 24380c

Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 47, pl. 15, fig. 11.

Funflint Formation, Precambrian, 6.4 km west of Schreiber, Ontario.

*Huroniospora microreticulata* Barghoorn

Hypotype 24380c

Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 47, pl. 15, figs. 9, 10.

Gunflint Formation, Precambrian, 6.4 km west of Schreiber, Ontario.

*Huroniospora psilata* Barghoorn

Hypotype 24380c

Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 48, pl. 15, fig. 12.

Gunflint Formation, Precambrian, 6.4 miles west of Schreiber, Ontario.

*Huroniospora* sp.
Fig. spec. 24832, a [specimen and thin section]
Hofmann, H.J. and Jackson, G.D., 1969, Can. J. Earth Sci., vol. 6 no. 5, p. 1140, pl. 1, fig. 13.
Belcher Group, Precambrian, small island north of Moore Island, Churchill Sound, lat. 56°27'N, long. 79°31'W, Belcher Islands, Hudson Bay.

*Kakabekia umbellata* Barghoorn
Hypotype 24380c
Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 49, pl. 15, fig. 16.
Gunflint Formation, Precambrian, 6.4 km west of Schreiber, Ontario.

Kempia
Hypotype 24374, a
Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 28, pl. 9, figs. 1-3.
Gowganda Formation, Precambrian, southeast side of creek draining Alma Lake, 4 miles (6.5 km) northeast of Iron Bridge, Ontario.

"Palaeomicrocoleus"
Fig. spec. 24832, a [specimen and thin section]
Hofmann, H.J. and Jackson, G.D., 1969, Can. J. Earth Sci., vol. 6, no. 5, p. 1140, pl. 1, fig. 15.
Belcher Group, Precambrian, small island north of Moore Island, Churchill Sound, lat. 56°27'N, long. 79°31'W, Belcher Islands, Hudston Bay.

*Palaeorivularia ontarica* Korde
Hypotype 24382
Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 49, pl. 15, fig. 18.
Gunflint Formation, Precambrian, Kakabeka Falls, Ontario.

*Planolites* sp.
Fig. spec. 27797
Young, F.G., 1972, Can. J. Earth Sci., vol. 9, no. 1, p. 14, fig. 3b.
Yanks Peak Formation, Precambrian, lat. 53°39'20"N, long. 121°22'W, northern Cariboo Mountains, British Columbia.

Possible Metazoans
= Rhysonetron byei, Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 36, pl. 12, fig. 2 [holotype 15379].

Precambrian microfossils Types 1-4
Fig. specs. 24832, a [specimen and thin section]
Hofmann, H.J. and Jackson, G.D., 1969, Can. J. Earth Sci., vol. 6, no. 5 p. 1139, 1140, pl. 1, figs. 5, 10-14, 16-19; pl. 2, fig. 20.
Belcher Group, Precambrian, small island north of Moore Island, Churchill Sound, lat. 56°27'N, long. 79°31'W, Belcher Islands, Hudston Bay.

Rhysonetron byei Hofmann
Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 36, pl. 12, fig. 1 [paratype 22628].

Rhysonetron lahtii Hofmann

Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 36, pl. 13, figs. 1-4 [holotype 9876, a, b].

Robertson, J.A. and Card, K.D., 1972, Ontario Division Mines, Geol. Guidebook 4, p. 35, Photo 22 [9876].

*Rusophycus didymus* (Salter)

Hypotype 27799

Young, F.G., 1972, Can. J. Earth Sci., vol. 9, no. 1, p. 14, fig. 5.

McNaughton Formation, Lower Cambrian, 6 km N52°E of summit of Mount De Veber,, Alberta

*Rusophycus* sp.

Fig. spec. 27798

Young, F.G., 1972, Can. J. Earth Sci., vol. 9, no. 1, p. 15, figs. 4a, b.

McNaughton Formation, Lower Cambrian, 6 km N52°E from summit of Mount DeVeber, Alberta.

*Skolithos*-like tubes

Hypotype 24969

Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 39, pl. 25, fig. 3.

Akaitcho River Formation, Sosan Group, Precambrian, north shore of Charlton Bay near Reliance, eastern end of Great Slave Lake, lat. 62°44'N, long. 109°4½'W, District of Mackenzie.

Trace fossils

Hypotype 24375

Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 42, pl. 10, fig. 5.

Random Formation, Precambrian, beach at Smith Point, 6 miles east-northeast of Clarenville, Newfoundland.

Type A structure

Hypotype 24379

Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 53, pl. 17, figs. 1-3.

Kipalu Formation, Precambrian, south part of Broomfield Island, Belcher Islands, Hudson Bay.

## STROMATOLITES

*Archaeozoon acadiense* (Matthew)
Topotypes 24383a, b, 24384a, b
Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 56, pl. 19, figs. 1-3.
Ashburn Formation, Green Head Group, Precambrian, northwest corner of Green Head Peninsula, Saint John, New Brunswick.

*Archaeozoon septentrionale* (Fenton and Fenton)
Paratype 24408
Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 60.
Snare Group, Precambrian, small island in Marian Lake, lat. 62°59'02"N, long. 116°17'45"W, District of Mackenzie.

*Collenia septentrionalis* Fenton and Fenton
Paratype 24408
Fenton, C.L. and Fenton, A.F., 1939, Bull. Geol. Soc. Amer., vol. 50, p. 91.
Precambrian, island in Marian Lake, lat. 62°59'02"N, long. 116°17'45"W, Northwest Territories.
= *Archaeozoon septentrionalis*, Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 60.

*Conophyton* cf. *C. garganicus* Korolyuk
Hypotypes 24554, a-c, 24557
Hofmann, H.J., 1969, Geol. Surv. Can., Paper 68-69, p. 26, pl. 18, figs. 1-3; pl. 19; pl. 21.
Silbey Group, Precambrian, near northwest corner of Disraeli Lake, 55 km (34.3 miles) west-northwest of Nipigon, Ontario.

*Conophyton*
Fig. specs. 24553, a, b, 24555, 24556, 24558
Hofmann, H.J., 1969, Geol. Surv. Can., Paper 68-69, p. 26, pl. 16, fig. 2; pl. 17, figs. 1, 2; pl. 20, figs. 1, 2; pl. 22.
Silbey Group, Precambrian, 61 km (38 miles) west-northwest, and west of Bite Lake, 9.5 km (6 miles) south of northwest corner of Disraeli Lake, 55 km (34.3 miles) west-northwest of Nipigon, Ontario.

*Cryptozoon walcotti* Rothpletz
Hypotype 24385, a
Hcfmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 58, pl. 22, figs. 2, 3.
Steeprock Group, Precambrian, east bay of Steep Rock Lake, Ontario.

Cryptozoon?? sp. indet.
Fig. spec. 8059f
Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 58, pl. 22, fig. 1.
Steeprock Group, Precambrian, east arm of Steep Rock Lake, Ontario.

Form A - *Stratifera biwabikensis* (Grout and Broderick)
Hypotype 24534
Hofmann, H.J., 1969, Geol. Surv. Can., Paper 68-69, p. 12, pl. 1.
Gunflint Formation, Precambrian, north bank of Whitefish River, 2.6 km (1.6 miles) west-southwest of Nolalu, Ontario.

Form B - *Gymnosolen*(?) *ferrata* (Grout and Broderick)
Hypotypes 24535, 24536
Hofmann, H.J., 1969, Geol. Surv. Can., Paper 68-69, p. 14, pl. 2, figs. 1, 2.
Biwabik Formation, Precambrian, roadside dump at Mary Ellen Mine, 1.6 km (1 mile) west of Biwabik, Minnesota, U.S.A.

Form C
Fig. specs. 24537-24540
Hofmann, H.J., 1969, Geol. Surv. Can., Paper 68-69, p. 15, pl. 3; pl. 4; pl. 5, figs. 1, 2; pl. 6, figs. 1, 2.
Gunflint Formation, Precambrian, beside jeep trial on west side of Mink Mountain, 7.3 km (4.6 miles) west of Mackies, Ontario.

Form D
Fig. specs. 24541,a,b, 24542
Hofmann, H.J., 1969, Geol. Surv. Can., Paper 68-69, p. 15, pl. 7, figs. 1, 2; pl. 8, figs. 1-3.
Gunflint Formation, Precambrian, Winston Point, 9 km (5.5 miles) west of Schreiber, Ontario.

Form E
Fig. specs. 24381a, 24543, 24545, 24546
Hofmann, H.J., 1969, Geol. Surv. Can., Paper 68-69, p. 17, pl. 9; pl. 10, fig. 2; pl. 11, figs. 1-3.
Gunflint Formation, Precambrian, Winston Point, 9 km (5.5 miles) west of Schreiber; north bank of Whitefish River, 2.6 km (1.6 miles) west-southwest of Nolalu; road-cut north side of Highway 590, about 100 m west of the intersection with Highways 11 and 7, 1.2 km west-northwest of Kakabeka Falls; and beach outcrop opposite small island in Lake Superior, 6.4 km (4 miles) west of Schreiber, Ontario.

Form F
Fig. specs. 24547,a — 24551
Hofmann, H.J., 1969, Geol. Surv. Can., Paper 68-69, p. 17, pl. 6, figs. 3, 4; pl. 12, figs. 1-4; pl. 13, figs. 1, 2.
Gunflint Formation, Precambrian, Winston Point, 9 km (5.5 miles) west of Schreiber, Ontario.

Form G - *Osagia*

Fig. specs. 24544, a, 24552

Hofmann, H.J., 1969, Geol. Surv. Can., Paper 68-69, p. 18, pl. 10, fig. 1; pl. 14, figs. 1-5; pl. 15, figs. 1, 2.

Gunflint Formation, Precambrian, north bank of Whitefish River, 2.6 km (1.6 miles) west-southwest of Nolalu, and beach outcrop opposite small island in Lake Superior, 6.4 km (4 miles) west of Schreiber, Ontario.

Possible stromatolitic structures

Hypotypes 24372, a

Young, G.M., 1967, Can. J. Earth sci., vol. 4, no. 3, pl. 1, figs. 2, 3.

Gowganda Formation, Precambrian, east side of Washagami Lake, Davis tp., Ontario.

= Kempia, Hofmann, H.J., 1971, Geol. Surv. Can., Bull. 189, p. 28, pl. 8, figs. 1, 2.

Stromatolite

Hypotype 24857, a-k

Hofmann, H.J., 1969, Geol. Surv. Can., Paper 69-39, p. 38, figs. 20A, B.

Manitounuk Group, Precambrian, head of Manitounuk Sound, east coast of Hudson Bay, lat. 55°43'09"N, long. 77°05'46"W.