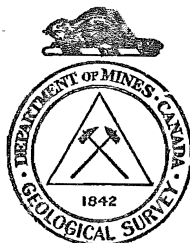


GEOLOGICAL SURVEY, CANADA

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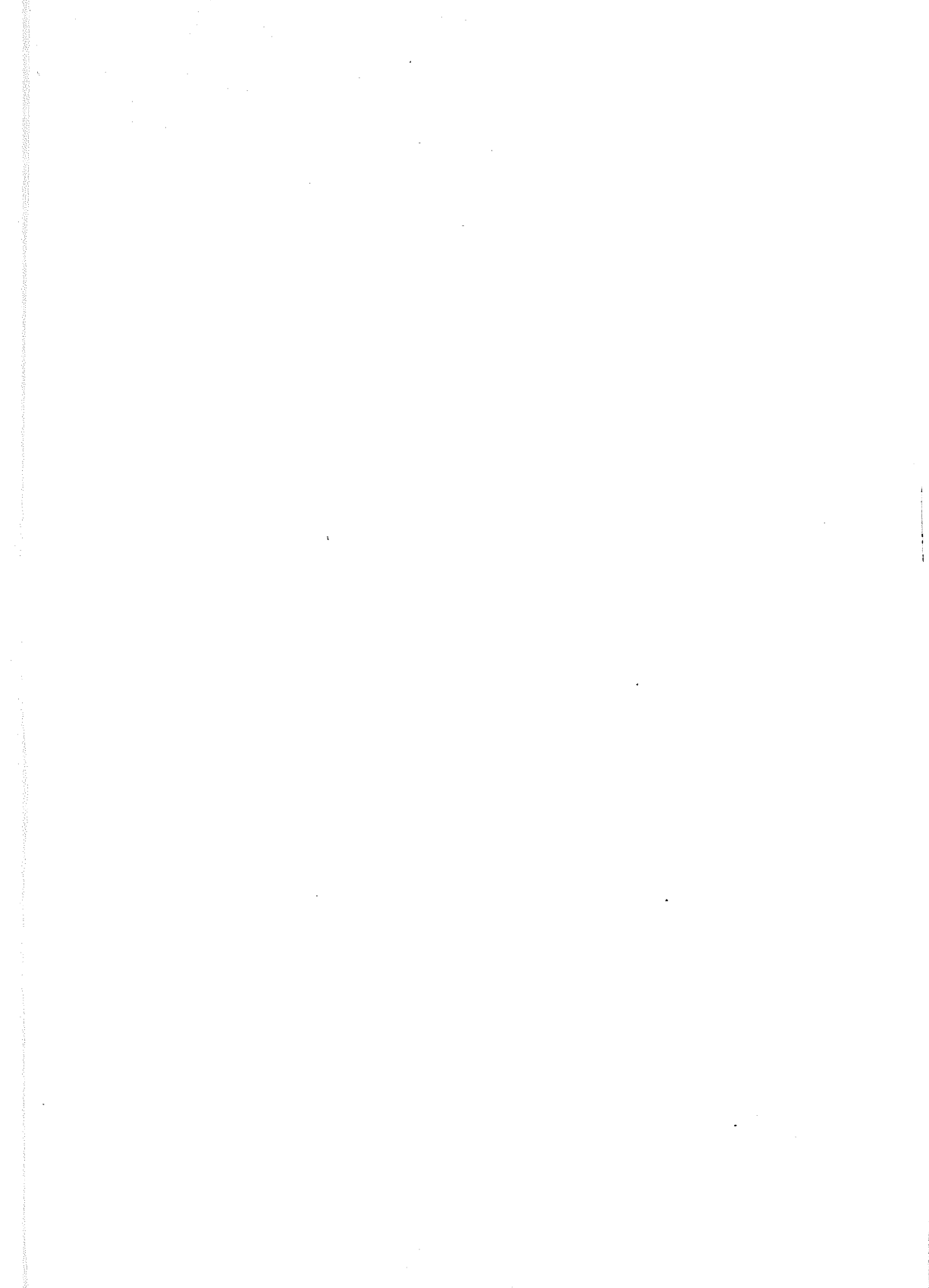
INDEX  
TO  
PALAEOONTOLOGY  
(Geological Publications 1847-1916)

COMPILED  
BY  
FRANK NICOLAS



OTTAWA  
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LIST OF REPORTS INDEXED, WITH THE ABBREVIATIONS USED TO INDICATE EACH REPORT<sup>1</sup>

| Abbreviation | Report   |
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| R 1          | Report of Progress 1843.   |
| R 2          | " " 1844.  |
| R 3          | " " 1845-46.   |
| R 4          | " " 1846-47.   |
| R 5          | " " 1847-48.   |
| R 6          | " " 1848-49.   |
| R 7          | " " 1849-50.   |
| R 8          | " " 1850-51.   |
| R 9          | " " 1851-52.   |
| R 10         | " " 1852-53.   |
| R 11         | " " 1853-54-55-56.   |
| R 39         | " " 1857.  |
| R 40         | Report on Canadian Graptolites. By J. Hall.  |
| R 41         | Canadian Fossils, Containing Descriptions of New Genera and Species, from the Silurian and Devonian Formations. By E. Billings.  |
| R 46         | Report of Progress 1858.   |
| R 50         | " " to 1863 ("Geology of Canada").   |
| R 55         | Mines Branch Publication No. 55, Part I.   |
| R 63         | Report of Progress 1863-66.  |
| R 68         | " " 1866-69.   |
| R 83         | " " 1870-71.   |
| R 84         | " " 1871-72.   |
| R 89         | " " 1872-73.   |
| R 94         | " " 1873-74.   |
| R 97         | Notes on the Cretaceous Fossils Collected by Mr. James Richardson at Vancouver and the Adjacent Islands. By J. F. Whiteaves.     |
| R 101        | Report of Progress 1874-75.  |
| R 108        | " " 1875-76.   |
| R 114        | " " 1876-77.   |
| R 125        | " " 1877-78.   |
| R 132        | " " 1878-79.   |
| R 147        | " " 1879-80.   |
| R 154        | " " 1880-81-82.  |
| R 167        | " " 1882-83-84.  |
| R 392        | North Shore of Lake Huron. By W. E. Logan.   |
| R 427        | Catalogues of the Silurian Fossils of the Island of Anticosti, with Descriptions of Some New Genera and Species. By E. Billings. |
| R 428        | The Fossil Plants of the Devonian and Upper Silurian Formations of Canada. By J. W. Dawson.                                      |
| R 429        | The Fossil Plants of the Erian (Devonian) and Upper Silurian Formations of Canada. By J. W. Dawson.                              |
| R 430        | Report on the Fossil Plants of the Lower Carboniferous and Millstone Grit Formations of Canada. By J. W. Dawson.                 |
| R 431        | Palaeozoic Fossils, volume I. By E. Billings.  |
| R 432        | " " volume II, part I. By E. Billings.   |
| R 433        | " " volume III, part I. By J. F. Whiteaves.  |
| R 434        | Mesozoic Fossils, volume I, part I. By J. F. Whiteaves.  |
| R 436        | " " volume I, part II. By J. F. Whiteaves.   |
| R 437        | " " volume I, part III. By J. F. Whiteaves.  |
| R 438        | Contributions to the Micro-palaeontology of the Cambro-Silurian Rocks of Canada. By A. H. Foord.                                 |
| R 439        | Contributions to the Micro-palaeontology of the Cambro-Silurian Rocks of Canada, part II. By E. O. Ulrich.                       |
| R 440        | Contributions to Canadian Micro-palaeontology, part III. By T. R. Jones.   |
| R 441        | Contributions to Canadian Micro-palaeontology, part IV. By D. Rüst.  |
| R 442        | Contributions to Canadian Palaeontology, volume I, part I. By J. F. Whiteaves.   |
| R 443        | Contributions to Canadian Palaeontology, volume I, part II. By J. F. Whiteaves.  |
| R 444        | Contributions to Canadian Palaeontology, volume I, part III. By J. F. Whiteaves.   |
| R 445        | Contributions to Canadian Palaeontology, volume I, part IV. By J. F. Whiteaves.  |
| R 446        | Contributions to Canadian Palaeontology, volume III (quarto), part I. By E. D. Cope.   |

<sup>1</sup> The numbers in the column headed "Abbreviation" are the numbers used in Ferrier's "Catalogue of Geological Survey Publications" (1919).

## PREFACE

Since 1847 the publications of the Geological Survey have contained descriptions and illustrations of fossils, lists of fossils, and references to fossils, scattered among more than 180 volumes—some of which are out of print and many of which might be overlooked by palaeontologists. The need of an index to the palaeontological matter contained in the various publications has become increasingly evident with the growth of this literature.

This volume is essentially an index to the names of fossils appearing in the various publications of the Geological Survey. It has been the endeavour in preparing the index to conform in some measure with current nomenclature as indicated in the indexes of Bassler, Schuchert, Vogdes, Weller, Boyle, etc. But the compiler is not a palaeontologist and is well aware of the errors which anyone but an expert palaeontologist may commit when dealing with matters of synonymy, and he would not have essayed such a perilous venture without the backing of the Palaeontological Division of this Department, whose members generously undertook to scan the galleys. Acknowledgments are due to Dr. E. M. Kindle, Chief of the Division, Dr. F. H. McLearn, Dr. W. A. Bell, Mr. C. M. Sternberg, and Miss A. E. Wilson, but especially Miss Wilson, to whose careful research-work is due most of any merit there may be in this index.

FRANK NICOLAS

| Abbreviation       | Report  |
|--------------------|---|
| R 491              | Lower Silurian Fossils, By E. Billings.   |
| R 564              | Palaeozoic Fossils, volume III, part II. By J. F. Whiteaves.  |
| R 575              | Contributions to Canadian Palaeontology, volume II, part I. By S. H. Scudder.   |
| R 615              | Palaeozoic Fossils, volume III, part III. By J. F. Whiteaves.   |
| R 659              | Contributions to Canadian Palaeontology, volume I, part V (and last). By J. F. Whiteaves.   |
| R 684              | Contributions to Canadian Palaeontology, volume IV, part I. By L. M. Lambe.   |
| R 685              | Sydney Coal Field. By Hugh Fletcher.  |
| R 706              | Mesozoic Fossils, volume I, part IV. By J. F. Whiteaves.  |
| R 710              | Contributions to Canadian Palaeontology, volume II, part II. By S. H. Scudder.  |
| R 712              | Contributions to Canadian Palaeontology, volume IV, part II. By L. M. Lambe.  |
| R 774              | Contributions to Canadian Palaeontology, volume III (quarto), part II. By H. F. Osborn and L. M. Lambe.   |
| R 797              | Report on the Cambrian Rocks of Cape Breton. By G. F. Matthew.  |
| R 827              | Mesozoic Fossils, volume I, part V (and last). By J. F. Whiteaves.  |
| R 870              | Contributions to Canadian Palaeontology, volume III (quarto), part III. By L. M. Lambe.   |
| R 923              | Geological Report on the Chibougamau Mining Region in the Northern Part of the Province of Quebec. By A. P. Low.  |
| R 928              | Section of Mines. Annual Report for 1904. By E. D. Ingall.  |
| R 939              | Preliminary Report on the Rossland, B.C., Mining District. By R. W. Brock.  |
| R 949              | Report on the Cascade Coal Basin, Alberta. By D. B. Dowling.  |
| R 950              | Palaeozoic Fossils, volume III, part IV (and last). By J. F. Whiteaves.   |
| R 954              | The Cruise of The Neptune. By A. P. Low.  |
| R 958              | Report of the Section of Chemistry and Mineralogy, 1905. By G. C. Hoffmann.   |
| R 961 <sup>1</sup> | Reprint of a Report on the Origin, Geological Relations, and Composition of the Nickel and Copper Deposits of the Sudbury Mining Districts, Ontario, Canada. By A. E. Barlow.   |
| R 962 <sup>2</sup> | Second Edition of a Report on the Geology and Natural Resources of the Area Included by the Nipissing and Timiskaming Map-sheets, Comprising Portions of the District of Nipissing, Ontario, and of the County of Pontiac <sup>3</sup> , Quebec. By A. E. Barlow. |
| R 968              | Moose Mountain District of Southern Alberta. By D. D. Cairnes.  |
| R 970              | The Falls of Niagara. By J. W. W. Spencer.  |
| R 971              | Section of Mines. Annual Report on the Mineral Industries of Canada for 1905. By E. D. Ingall.  |
| R 974              | Report on the Copper Deposits of the Eastern Townships of Quebec, with a Review of the Igneous Rocks of the District. By J. A. Dresser.   |
| R 977              | Report on the Geology and Natural Resources of the Area Included in the North-west Quarter-sheet, Number 122, of the Ontario and Quebec series, Comprising Portions of the Counties of Pontiac, Carleton, and Renfrew. By R. W. Ells.                             |
| R 979              | Report on Gold Values in the Klondike High Level Gravels. By R. G. McConnell.   |
| R 980              | Geological Reconnaissance of a Portion of Algoma and Thunder Bay Districts, Ontario. By W. J. Wilson.   |
| R 982              | Report on a Portion of Conrad and Whitehorse Mining Districts, Yukon. By D. D. Cairnes.   |
| R 983              | The Geology and Mineral Resources of New Brunswick. By R. W. Ells.  |
| R 986              | Preliminary Report on a Part of the Similkameen District, British Columbia. By C. Camsell.  |
| R 988              | The Telkwa River and Vicinity, B.C. By W. W. Leach.   |
| R 992              | Report on a Portion of Northwestern Ontario Traversed by the National Trans-continental Railway between Lake Nipigon and Sturgeon Lake. By W. H. Collins.   |
| R 996              | Preliminary Report on a Portion of the Main Coast of British Columbia and Adjacent Islands Included in New Westminster and Nanaimo Districts. By O. E. LeRoy.   |
| R 1006             | Report on a Traverse Through the Southern Part of the North West Territories from Lac Seul to Cat Lake in 1902. By A. W. G. Wilson.   |
| R 1013             | Tertiary Plants of British Columbia. By L. M. Lambe.  |
| R 1020             | Contributions to Canadian Palaeontology, volume III (quarto), part IV. By L. M. Lambe.  |
| R 1021             | Summary Report on Explorations in Nova Scotia, 1907. By H. Fletcher.  |

<sup>1</sup>Reprint of pt. II, vol. xiv.<sup>2</sup>A reprint of pt. I, vol. X. The pagination of the reprint is slightly different from that of the original report.<sup>3</sup>The area reported on in Quebec is now in the county of Témiscamingue.

| Abbreviation        | Report   |
|---------------------|--|
| R 1028              | Report on a Recent Discovery of Gold near Lake Megantic, Quebec. By J. A. Dresser.   |
| R 1030              | Report on the Landslide at Notre-Dame de la Salette, Lièvre River, Quebec. By R. W. Ells.  |
| R 1035 <sup>1</sup> | The Coal Fields of Manitoba, Saskatchewan, Alberta, and Eastern British Columbia. By D. B. Dowling.  |
| R 1050              | The Whitehorse Copper Belt, Yukon Territory. By R. G. McConnell.   |
| R 1059              | A Geological Reconnaissance of the Region Traversed by the National Trans-continental Railway between Lake Nipigon and Clay Lake, Ontario. By W. H. Collins. |
| R 1064              | Geology of an Area Adjoining the East Side of Lake Timiskaming, Quebec. By M. E. Wilson.   |
| R 1075              | Preliminary Report on Gowganda Mining Division, District of Nipissing <sup>2</sup> , Ontario. By W. H. Collins.  |
| R 1080              | Report on a Part of the North West Territories of Canada Drained by the Winisk and Upper Attawapiskat Rivers. By W. McInnes.                                 |
| R 1081              | Report on the Region Lying North of Lake Superior Between the Pic and Nipigon Rivers, Ontario. By W. H. Collins.   |
| R 1085              | A Descriptive Sketch of the Geology and Economic Minerals of Canada. Introduction by R. W. Brock. By G. A. Young.  |
| R 1097              | A Reconnaissance Across the Mackenzie Mountains on the Pelly, Ross, and Gravel Rivers, Yukon and North West Territories. By J. Keele.                        |
| R 1107              | Part II. Geological Position and Character of the Oil-shale Deposits of Canada. By R. W. Ells.   |
| I                   | Annual Report (new series), volume I, 1885.  |
| II                  | " " " " II, 1886.  |
| III                 | " " " " III, 1887-88.  |
| IV                  | " " " " IV, 1888-89.   |
| V                   | " " " " V, 1890-91.  |
| VI                  | " " " " VI, 1892-93.   |
| VII                 | " " " " VII, 1894.   |
| VIII                | " " " " VIII, 1895.  |
| IX                  | " " " " IX, 1896.  |
| X                   | " " " " X, 1897.   |
| XI                  | " " " " XI, 1898.  |
| XII                 | " " " " XII, 1899.   |
| XIII                | " " " " XIII, 1900.  |
| XIV                 | " " " " XIV, 1901.   |
| XV                  | " " " " XV, 1902-03.   |
| XVI                 | " " " " XVI, 1904.   |
| SR                  | Summary Reports 1905 to 1916 inclusive.<br>(The letters SR are followed by the date.)  |
| Mem                 | Memoirs 1 to 92. <sup>3</sup> ("Mem" is followed by No. of the Memoir.)  |

Each volume contains several parts, each part being designated by a letter of the alphabet.  
*Note*—The following parts are AA but are misprinted A:  
 1891.  
 1893.  
 1903.

<sup>1</sup>Reprinted as Mem. 53.

<sup>2</sup>The Gowganda Mining Division is now in the district of Timiskaming.

<sup>3</sup>Of these Memoirs the following are mainly palaeontological or contain important fossil lists:

- Mem. 3. Contributions to Canadian Palaeontology, vol. III, pt. V. By L. M. Lambe.
- Mem. 7. Geology of St. Bruno Mountain, Que. (Appendixes A and B).
- Mem. 12. Contributions to Canadian Palaeontology, vol II, pt. III. By A. Handlirsch.
- Mem. 15. On a Trenton Echinoderm Fauna at Kirkfield, Ont. By F. Springer.
- Mem. 28. Geology of Steeprock Lake, Ont. By A. C. Lawson.
- Mem. 34. Devonian of Southwestern Ontario. By C. R. Stauffer.
- Mem. 41. "Fern Ledges" Carboniferous Flora of St. John, N.B. By M. C. Stopes.
- Mem. 58. Texada Island, B.C. By R. G. McConnell.
- Mem. 67. Yukon-Alaska International Boundary. By D. D. Cairnes.
- Mem. 83. Upper Ordovician Formations in Ontario and Quebec. By A. F. Foerste.
- Mem. 92. Part of the District of Lake St. John, Que. By J. A. Dresser.



LIST OF REPORTS INDEXED, WITH THE ABBREVIATIONS USED--*Concluded*

| Abbreviation | Report   |
|--------------|--|
| Bull<br>Dec  | Bulletins 1 to 24 <sup>1</sup> . ("Bull" is followed by No. of the Bulletin.)<br>Decades 1 to 4 <sup>2</sup> . ("Dec" is followed by No. of the Decade.) |

<sup>1</sup> Of these Bulletins, the following are mainly palaeontological:

- Bull. 1. The Trenton Crinoid *Ottawacrinus* (W. R. Billings). By F. A. Bather.  
The Occurrence of Helodont Teeth at Roche Miette and Vicinity, Alberta. By L. M. Lambe.  
Notes on Cyclocystoides. By P. E. Raymond.  
Description of Some New *Asaphidae*. By P. E. Raymond.  
Two New Species of *Tetradium*. By P. E. Raymond.  
A Revision of the Species Which Have Been Referred to the Genus *Bathyurus*. By P. E. Raymond.  
A New Brachiopod from the Base of the Utica. By A. E. Wilson.  
A New Genus of Dicotyledonous Plant from the Tertiary of Kettle River, B.C. By W. J. Wilson.  
A New Species of *Lepidostrobus*. By W. J. Wilson.
- Bull. 3. Anticosti Island Faunas. By W. H. Twenhofel.
- Bull. 5. A *Beatricea*-like Organism from the Middle Ordovician. By P. E. Raymond.
- Bull. 12. On *Eoceratops Canadensis*. By L. M. Lambe.
- Bull. 17. Ordovician Rocks of Lake Timiskaming. By M. Y. Williams.
- Bull. 20. An Eurypterid Horizon in the Niagara Formation of Ontario. By M. Y. Williams.
- Bull. 21. Geology and Palaeontology of the Lower Saskatchewan River Valley. By E. M. Kindle.

<sup>2</sup> Figures and descriptions of Canadian organic remains.

## ABBREVIATIONS

|          |  |
|----------|--|
| A        | Part A   |
| Alg.     | Algoma district                                  |
| Alta.    | Province of Alberta                              |
| B        | Part B   |
| B.C.     | Province of British Columbia                     |
| Bull     | Bulletin   |
| C        | Part C   |
| C.B.     | Cape Breton island                               |
| C.P. ry. | Canadian Pacific railway                         |
| D        | Part D   |
| Dec      | Decade   |
| E        | Part E   |
| F        | Part F   |
| Frank.   | Franklin <sup>1</sup>                            |
| G        | Part G   |
| G.T. ry. | Grand Trunk railway                              |
| H        | Part H   |
| I        | Part I   |
| J        | Part J   |
| K        | Part K   |
| Kee.     | Provisional district of Keewatin <sup>1</sup>    |
| Ken.     | District of Kenora <sup>1</sup>                  |
| L        | Part L   |
| Lab.     | Labrador <sup>1</sup>                            |
| m        | Mine   |
| M        | Part M   |
| Mack.    | Provisional district of Mackenzie <sup>1</sup>   |
| Man.     | Province of Manitoba                             |
| Mem      | Memoir   |
| Mg. div. | Mining division                                  |
| N        | Part N   |
| N.B.     | Province of New Brunswick                        |
| N.S.     | Province of Nova Scotia                          |
| N.T. ry. | National Transcontinental railway                |
| N.W.T.   | Northwest Territories.                           |
| O        | Part O   |
| Ont.     | Province of Ontario                              |
| P        | Part P   |
| P.E.I.   | Province of Prince Edward Island                 |
| PI       | Plate  |
| P.S.d.   | Parry Sound district                             |
| Q        | Part Q   |
| Que.     | Province of Quebec                               |
| Q.C.I.   | Queen Charlotte islands                          |
| R        | followed by Arabic number means Report           |
| R        | followed by Roman number means Part R. of volume |
| R.M.     | Rocky mountains                                  |
| R.R.d.   | Rainy River district                             |
| S        | Part S   |
| Sask.    | Province of Saskatchewan                         |
| SR       | Summary Report                                   |
| T        | Part T   |
| Tém.     | Témiscamingue co.                                |
| Tim.     | Timiskaming dist.                                |
| V.I.     | Vancouver island                                 |
| Ykn.     | Territory of Yukon                               |

and

The usual abbreviations for geographical terms.

<sup>1</sup> Since January, 1920, the districts of Keewatin, Mackenzie, and Franklin have had a legal existence as Provisional Districts included in the general term Northwest Territories. Labrador includes only the strip, bordering New Quebec along the Atlantic coast, that is under the judicial jurisdiction of Newfoundland.

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\*Specific identity not indicated.



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\*Called by Fenton and Fenton A. DEVONIANA  
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**Atrypa reticularis aspera** (Schlotheim)

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**Atrypa robusta**SEE *RYNCHOTRETA ROBUSTA***Atrypa scitula**SEE *CHARIONELLA SCITULA***Atrypa rostrata**SEE *MERISTELLA ROSTRATA***Atrypa rugosa** Hall

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| Lambton co., Ont., Thedford,<br>notes..... | 391 R 659                              |
| Mackenzie r., Mack.....                    | 21 R II<br>109 D IV                    |

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| Manitoba and Winnipegosis Lakes<br>reg., Man..... | 52 R 94<br>66 R 101 |
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**Atrypa tribulis** SEE *A. RETICULARIS***Atrypa tumida** Dalman

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**Atrypa umbonata** Billings

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**Atrypa unguiformis** ConradSEE *HIPPARIONYX PROXIMUS***Atrypa unisulcata**SEE *PENTAGONIA UNISULCATA***Atrypina** sp

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**Aublysodon** sp

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**Aublysodon amplus** Marsh

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**Aublysodon cristatus** Marsh

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**Aublysodon lateralis** SEE *DERINODON*

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**Aucella** sp

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- Aulopora** sp  
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- Aulopora canadensis** Nicholson  
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| <b>Avicula hermione</b>                     |                           |
| SEE PROLOBELLA ? HERMIONE                   |                           |
| <b>Avicula honeymani</b>                    |                           |
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| <b>Avicula linguaeformis</b>                |                           |
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| <b>Avicula trentonensis</b>                 |                           |
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| <b>Avicula undata</b>                       |                           |
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| <b>Avicula (Oxytoma) whiteavesi</b> Stanton |                           |
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| Welland co., Ont.....                       | 19 Mem 34                 |
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| <b>Aviculopecten affinis</b> Walcott        |                           |
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| Onondaga limestone of Ont.....            | 246 Mem 34              |
| <b>Aviculopecten coxanus</b> Meek and     |                         |
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| <b>Aviculopecten haguei</b> Walcott       |                         |
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| <b>Axinaea veatchii</b>                   |                         |
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| <b>Bactrites arkonensis</b> Whiteaves |                       |
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| <b>Baculites occidentalis</b> Meek                      |                      |         |
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| Island of Montreal, Que.....                          | 67, 68      | Mem 73  |
| Matane r., Que.....                                   | 928         | R 50    |
| Metis r., Que.....                                    | 162         | R 46    |
| Quebec city, Que.....                                 | 57          | L V     |
| St. John co., N.B.....                                | 29, 35 (EE) | R 125   |
| <b>Balanus porcatus</b> De Costa                      |             |         |
| Ottawa and vicinity, Ont. and Que                     | 53          | G XII   |
| Quebec city, Que.....                                 | 57          | L V     |
| <b>Balatonites</b> sp                                 |             |         |
| Quatsino sd., B.C.....                                | 125         | Mem 69  |
| Forward inlet.....                                    | 83          | B II    |
| <b>Balatonites arietiformes</b>                       |             |         |
| SEE ARNIOTITES  |             |         |
| <b>Balatonites belaticus</b>                          |             |         |
| Compared with ARNIOTITES.....                         | 144         | R 443   |
| <b>Balatonites vancouverensis</b>                     |             |         |
| Galiano is., B.C.....                                 | 73          | B II    |
| Hernando is., B.C.....                                | 26          | B II    |
| <b>Banffia</b> sp                                     |             |         |
| Kicking Horse valley, B.C.....                        | 188, 190    | SR 1911 |
| <b>Barrandella barrandii</b> SEE VIRGIANA BARRANDI    |             |         |
| <b>Barrandella fornicata</b> SEE CLORINDA FORNICATA   |             |         |
| <b>Barrandella ventricosa</b> SEE CLORINDA VENTRICOSA |             |         |

|  |                          |      |        |
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| <b>Barrandoceras</b>                       |                          |      |        |
| Canadian species, paper by Whit-           |                          |      |        |
| eaves.....                                 | 307-312                  | R    | 950    |
| <b>Barrandoceras americanum</b>            |                          |      |        |
| (d'Orbigny)                                |                          |      |        |
| St. Ambroise, Que. ?.....                  | 31                       | R    | 10     |
| Wolfe is., Ont.....                        | 111 A III                |      |        |
| described and fig.....                     | 310, 311, P1             | 38   | R 950  |
| <b>Barrandoceras convolvans</b>            |                          |      |        |
| SEE B. AMERICANUM                          |                          |      |        |
| <b>Barrandoceras minganense</b>            |                          |      |        |
| Hyatt                                      |                          |      |        |
| Mingan islds., Que., described....         | 309                      | R    | 950    |
| <b>Barrandoceras natator</b> (Billings)    |                          |      |        |
| Chazy formation.....                       | 951                      | R    | 50     |
| Mingan islds., Que., described and         |                          |      |        |
| fig.....                                   | 466                      | R    | 491    |
|  | 308, P1                  | 39   | R 950  |
| <b>Barrandoceras subcostulatum</b>         |                          |      |        |
| SEE B. AMERICANUM                          |                          |      |        |
| <b>Barrandoceras vagrans</b> (Billings)    |                          |      |        |
| Horizon.....                               | 951                      | R    | 50     |
| Ottawa and Montreal, described             |                          |      |        |
| and fig.....                               | 308-311, P1              | 40   | R 950  |
| <b>Barrandia thompsoni</b>                 |                          |      |        |
| SEE MESONACIS THOMPSONI                    |                          |      |        |
| <b>Barrandia vermontane</b>                |                          |      |        |
| SEE OLENELLUS VERMONTANE                   |                          |      |        |
| <b>Barroisella subspatulata</b> (Meek and  |                          |      |        |
| Hayden) Whiteaves                          |                          |      |        |
| Manitoba, northwestern, Dakota             |                          |      |        |
| formation.....                             | 209                      | E    | V      |
| Rolling r.....                             | 185                      | R    | 443    |
|  | 113                      | E    | V      |
| Moose mt., Alta.....                       | 53                       | R    | 968    |
|  | 52                       | Mem  | 61     |
| <b>Barychilina walcotti</b> Jones          |                          |      |        |
| Hamilton formation of Ont.....             | 417                      | R    | 659    |
|  | 287                      | Mem  | 34     |
| Thedford, Ont.....                         | 409                      | R    | 659    |
| <b>Basilicus barrandi</b> (Hall)           |                          |      |        |
| St. Joseph is., Ont.....                   | 43                       | Bull | 1      |
| <b>Basilicus canadensis</b>                |                          |      |        |
| SEE OGYGITES CANADENSIS                    |                          |      |        |
| <b>Basilicus marginalis</b> Heer           |                          |      |        |
| St. Dominique, Que.....                    | 17                       | J    | VII    |
| Winnipeg l., Man.....                      | 53, 70, 75               | F    | XI     |
| <b>Basilicus romingeri</b> SEE B. BARRANDI |                          |      |        |
| <b>Bathynotus holopyga</b> Hall            |                          |      |        |
| Vermont.....                               | 59                       | R    | 431    |
| <b>Bathurellus</b>                         |                          |      |        |
| Generic characters.....                    | 262, 263                 | R    | 431    |
| <b>Bathurellus abruptus</b> Billings       |                          |      |        |
| Newfoundland.....                          | 369                      | R    | 431    |
| described and fig.....                     | 263, 264                 | R    | 431    |
| <b>Bathurellus expansus</b> Billings       |                          |      |        |
| Levis formation.....                       | 418                      | R    | 431    |
| Phillipsburg (near), Que.....              | 126, 131                 | J    | VII    |
| Stanbridge tp., Que.....                   | 129                      | J    | VII    |
| described and fig.....                     | 318-320                  | R    | 431    |
| <b>Bathurellus formosus</b> Billings       |                          |      |        |
| Levis formation.....                       | 418                      | R    | 431    |
| Newfoundland.....                          | 369, 375                 | R    | 431    |
| described and fig.....                     | 265, 266                 | R    | 431    |
| <b>Bathurellus fraternus</b> Billings      |                          |      |        |
| Levis formation.....                       | 418                      | R    | 431    |
| Newfoundland.....                          | 369, 375                 | R    | 431    |
| described and fig.....                     | 267, 268                 | R    | 431    |
| <b>Bathurellus glandicephalus</b>          |                          |      |        |
| Whitfield                                  |                          |      |        |
| Phillipsburg (near), Que.....              | 124                      | J    | VII    |
| <b>Bathurellus litoreus</b> Billings       |                          |      |        |
| Horizon.....                               | 418                      | R    | 431    |
| Levis, Que., described.....                | 320                      | R    | 431    |
| <b>Bathurellus marginatus</b> Billings     |                          |      |        |
| Newfoundland.....                          | 369                      | R    | 431    |
| described and fig.....                     | 263-265                  | R    | 431    |
| <b>Bathurellus nitidus</b> Billings        |                          |      |        |
| Horizon.....                               | 418                      | R    | 431    |
| Newfoundland.....                          | 269, 375                 | R    | 431    |
| described and fig.....                     | 265, 266                 | R    | 431    |
| <b>Bathurellus rarus</b> Billings          |                          |      |        |
| Horizon.....                               | 418                      | R    | 431    |
| Levis, Que., described.....                | 320                      | R    | 431    |
| <b>Bathurellus validus</b> Billings        |                          |      |        |
| Newfoundland.....                          | 369                      | R    | 431    |
| described and fig.....                     | 267, 268                 | R    | 431    |
| <b>Bathuriscus</b> sp                      |                          |      |        |
| Elko (near), B.C.....                      | 125                      | Bull | 2      |
| Golden mg. div., B.C.....                  | 138                      | SR   | 1910   |
|  | 317                      | SR   | 1913   |
| <b>Bathuriscus howelli</b> Walcott         |                          |      |        |
| Stephen mt., B.C.....                      | 29                       | D    | II     |
| <b>Bathuriscus productus</b> (Hall         |                          |      |        |
| and Whitfield)                             |                          |      |        |
| Dearborn r., Mont.....                     | 118                      | Bull | 2      |
| Utah.....                                  | 99, 121-123,             |      | Bull 2 |
| <b>Bathyrurus</b>                          |                          |      |        |
| Generic characters.....                    | 408                      | R    | 431    |
|  | 364                      | R    | 491    |
| revision by Raymond.....                   | 50-69                    | Bull | 1      |
| <b>Bathyrurus</b> sp                       |                          |      |        |
| Bic harbour, Que.....                      | 130                      | R    | 68     |
| Castle Mountain group, Rocky               |                          |      |        |
| mts.....                                   | 29                       | D    | II     |
| Gloucester tp., Ont.....                   | 69                       | G    | XII    |
| Hastings co., Ont.....                     | 98                       | SR   | 1908   |
| L'Orignal (near), Ont.....                 | 140                      | J    | XII    |
| Missisquoi co., Que.....                   | 279                      | R    | 50     |
|  | 124, 125, 127, 130, 136, |      | 139    |
|  | 139                      | J    | VII    |
| Nepean tp., Ont.....                       | 75                       | G    | XII    |
| Newfoundland.....                          | 289-291, 866, 869,       |      | 872    |
|  | 872                      | R    | 50     |
| Pembroke map-sheet, Ont. and               |                          |      |        |
| Que.....                                   | 35, 58, 64, 65, 69       | R    | 977    |
|  | 352, 353                 | SR   | 1911   |
| Quebec city.....                           | 80                       | K    | III    |
| province.....                              | 120                      | K    | III    |
| St. Denis, Que. (Kamouraska co.)           | 130                      | R    | 68     |
| St. Dominique, Que.....                    | 117                      | J    | VII    |
| Simcoe area, Ont.....                      | 57                       | SR   | 1907   |
|  | 102                      | SR   | 1908   |
|  | 191                      | SR   | 1910   |
|  | 255, 257,                |      | 258    |
|  | SR                       |      | 1911   |
| <b>Bathyrurus acutus</b> Raymond           |                          |      |        |
| Westboro, Ont., notes and photo..          | 56                       | Bull | 1      |
| <b>Bathyrurus amplimarginatus</b>          |                          |      |        |
| Billings                                   |                          |      |        |
| Calceiferous formation.....                | 952                      | R    | 50     |
| Figured.....                               | 122                      | R    | 50     |
| Mingan islds., Que.....                    | 54                       | Bull | 1      |
| described and fig.....                     | 352, 353                 | R    | 431    |
|  | 365                      | R    | 491    |
|  | 54                       | Bull | 1      |
| Rockland, Ont.....                         |                          |      |        |
| <b>Bathyrurus angelini</b> Billings        |                          |      |        |
| Chatham tp., Que.....                      | 123                      | R    | 50     |
| Figured.....                               | 133                      | R    | 50     |
| Fitzroy Harbour, Ont.....                  | 468                      | R    | 491    |
|  | 53                       | R    | 977    |
| Grenville tp., Que.....                    | 123                      | R    | 50     |
| Grenville, described.....                  | 467, 468                 | R    | 491    |
|  | 56, 79                   | Bull | 1      |
| Horizon.....                               | 952                      | R    | 50     |
|  | 28                       | O    | XIV    |
| Huntley tp., Ont.....                      | 53                       | J    | XIV    |
| Little Rideau r., Ont.....                 | 141                      | J    | VII    |



**Bathyrurus angelini** Billings—Continued

|                         |              |
|-------------------------|--------------|
| Nepean tp., Ont.....    | 74, 75 G XII |
| Pakenham tp., Ont.....  | 177 R 50     |
| Ramsay tp., Ont.....    | 128 R 50     |
| St. Dominique, Que..... | 117 J VII    |
| St. Martin, Que.....    | 120 J VII    |

**Bathyrurus arcuatus** Billings

|                              |           |
|------------------------------|-----------|
| Beekmantown formation.....   | 418 R 431 |
| St. Antoine (near), Que..... | 57 Bull 1 |
| described and fig.....       | 205 R 431 |

**Bathyrurus armatus** Billings

SEE PLETHOPELTIS ARMATUS

**Bathyrurus armatus** Walcott

SEE PLETHOPELTIS SARATOGENSIS

**Bathyrurus bituberculatus**

SEE LLOYDIA BITUBERCULATUS

**Bathyrurus breviceps**

SEE LEIOSTEGIUM BREVICEPS

**Bathyrurus capax**

SEE PLATYCOLPUS CAPAX

**Bathyrurus caudatus**

SEE GONIURUS CAUDATUS

**Bathyrurus ? congeneris**

SEE HOLASAPHUS CONGENERIS

**Bathyrurus conicus**

SEE HYSTRICURUS CONICUS

**Bathyrurus cordai**

SEE HYSTRICURUS CORDAI

**Bathyrurus crotalifrons**

SEE HYSTRICURUS CROTALIFRONS

**Bathyrurus cybele**

SEE PETIGURUS CYBELE

**Bathyrurus dubius**

SEE PLATYCOLPUS DUBIUS

**Bathyrurus expansus** Billings

Stanbridge tp., Que..... 128, 132 J VII

**Bathyrurus extans** (Hall)

|  |           |
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| Carden tp., Ont.....                   | 2 Bull 5  |
| Compared with <i>B. ANGELINI</i> ..... | 468 R 491 |
| Figured.....                           | 153 R 50  |
| Gloucester tp., Ont.....               | 69 R 440  |

|              |          |
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| Horizon..... | 70 G XII |
|              | 952 R 50 |
|              | 28 O XIV |

Hull tp., Que..... 68 G XII

Mansfield tp., Que..... 65 R 977

Newfoundland..... 866 R 50

Ottawa, Ont..... 353 SR 1911

Peterborough co., Ont..... 343 Mem 6

Pointe Claire, Que..... 140 J VII

Renfrew co., Ont..... 353 SR 1911

Rockland, Ont..... 353 SR 1911

**Bathyrurus glandicephalus**

Whitfield

Champlain valley, Que., and U.S. 55 Bull 1

**Bathyrurus gregarius** Billings

Newfoundland..... 369 R 431

described and fig..... 363, 364 R 431

**Bathyrurus ingalli** Raymond

Belleville, Kirkfield and Ottawa,

Ont.; photos..... 57, 80 Bull 1

**Bathyrurus johnstoni** Raymond

Carden tp., Ont., photos..... 53, 80 Bull 1

Ottawa, Ont., notes and photos.. 2 Bull 5

Ottawa, Ont., notes and photos.. 53, 80 Bull 1

**Bathyrurus longispinus** Walcott

Newport, N. Y..... 54 Bull 1

**Bathyrurus minganensis**SEE *B. AMPHIMARGINATUS***Bathyrurus nero**

SEE PETIGURUS NERO

**Bathyrurus oblongus**

SEE LLOYDIA OBLONGUS

**Bathyrurus parvulus** Billings

Belle Isle strait, Nfld..... 286, 188 R 50

80 R 427

described and fig..... 369 R 431

Horizon..... 15, 16 R 431

Vermont..... 952 R 50

59 R 431

**Bathyrurus perplexus** Billings

Newfoundland..... 369 R 431

described and fig..... 364, 365 R 431

Vermont..... 59 R 431

**Bathyrurus perspicator**

SEE GONIURUS PERSPICATOR

**Bathyrurus planus**

SEE ARIONELLUS PLANUS

**Bathyrurus quadratus**

SEE LEIOSTEGIUM QUADRATUM

**Bathyrurus saffordi**

SEE LLOYDIA SAFFORDI

**Bathyrurus schucherti** Clarke

Minneapolis, Minn..... 58 Bull 1

**Bathyrurus seelyi**

SEE HYSTRICURUS CORDAI

**Bathyrurus senectus**

SEE PROTYPIUS SENECTUS

**Bathyrurus smithi**

SEE HAPLOCONUS SMITHI

**Bathyrurus solitarius**

SEE LLOYDIA SOLITARIUS

**Bathyrurus spiniger** (Hall)

Bonnehère valley, Ont..... 154 R 39

54, 56, 69 R 977

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Joliette, Que..... 143 J VII

Little Rideau, Ont..... 352 SR 1911

New York state..... 158 R 39

North channel, L. Huron, Ont.... 195 R 50

Ops tp., Ont..... 191 R 50

Peterborough co., Ont..... 343 Mem 6

Tay tp., Ont..... 192 R 50

**Bathyrurus stonemani**

SEE PROETUS STONEMANI

**Bathyrurus strenuus**

SEE LLOYDIA STRENUUS

**Bathyrurus superbus** Raymond

Ottawa dist., Ont..... 64 Bull 1

**Bathyrurus texanus**

SEE ARIONELLUS TEXANUS

**Bathyrurus ? timon** Billings

Newfoundland..... 369 R 431

described and fig..... 261 R 431

St. Joseph-de-Levis, Que..... 81 K III

**Bathyrurus validus** Billings

Stanbridge tp., Que..... 128 J VII

**Bathyrurus ? vetulus** Billings

Newfoundland..... 369 R 431

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Vermont..... 59 R 431

**Batocrinus icosadactylus** Casseday

Kentucky, described and fig..... 92, 94 R 432

**Batocrinus verneuillianus**

SEE MACROCRINUS VERNEULLIANUS

**Batostoma**

Generic characters..... 17 R 438

|  |                           |  |
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| <b>Batostoma</b> sp  |                           |  |
| Anticosti is., Que.....  | 7 Bull 3                  |  |
| Manitoulin is., Ont.....                                       | 125 Mem 83                |  |
| Nipissing l., Ont.....   | 294 R 962                 |  |
| Ottawa valley, Ont. and Que.....                               | 37, 59, 74 R 977          |  |
| <b>Batostoma canadense</b> (Foord)                             |                           |  |
| Joliette, Que.....   | 17 R 438                  |  |
|  | 147 J VII                 |  |
| Ottawa, Ont.....   | 17 R 438                  |  |
|  | 65, 66 G XII              |  |
| St. Joseph is., Ont., described and fig.....                   | 17, Pl 4 R 438            |  |
| <b>Batostoma fertile</b> Ulrich                                |                           |  |
| Trenton and Minnesota.....                                     | 34 R 439                  |  |
| <b>Batostoma girvanense</b> Nicholson                          |                           |  |
| Compared with <i>B. MANITOBIENSE</i> ..                        | 34 R 439                  |  |
| <b>Batostoma irrasa</b>  |                           |  |
| SEE <i>HEMIPHRAGMA IRRASUM</i>                                 |                           |  |
| <b>Batostoma jamesi</b> (Nicholson)                            |                           |  |
| Compared with <i>HEMIPHRAGMA OTTAWAENSE</i> .....              | 19 R 438                  |  |
| <b>Batostoma manitobense</b> Ulrich                            |                           |  |
| Stony mt., Man., described and fig.....                        | 33, 57, Pl 9 R 439        |  |
|  | 117 R 564                 |  |
|  | 50 F XI                   |  |
| <b>Batostoma ottawaense</b>                                    |                           |  |
| SEE <i>HEMIPHRAGMA OTTAWAENSE</i>                              |                           |  |
| <b>Batostoma superbum</b> (Foord)                              |                           |  |
| Montreal, Que.....   | 145 J VII                 |  |
| described and fig.....   | 16, Pl 4 R 438            |  |
| <b>Batostoma variabile</b> Ulrich                              |                           |  |
| Compared with <i>B. MANITOBIENSE</i> ..                        | 34 R 439                  |  |
| <b>Batostoma whitfieldi</b>                                    |                           |  |
| SEE <i>HEMIPHRAGMA WHITFIELDI</i>                              |                           |  |
| <b>Batostomella</b> sp   |                           |  |
| Alaska-Ykn. boundary.....                                      | 95, 98 Mem 67             |  |
| White River reg.....   | 76-79 Mem 50              |  |
| <b>Batostomella erratica</b> Ulrich                            |                           |  |
| Gloucester tp., Ont.....                                       | 60 G XII                  |  |
| <b>Batostomella gracilis</b>                                   |                           |  |
| SEE <i>BYTHOPORA GRACILIS</i>                                  |                           |  |
| <b>Batostomella simulatrix</b>                                 |                           |  |
| SEE <i>ERIDOTRYPA SIMULATRIX</i>                               |                           |  |
| <b>Battus pusillus</b>   |                           |  |
| SEE <i>SHUMARDIA PUSILLA</i>                                   |                           |  |
| <b>Battus tuberculatus</b>                                     |                           |  |
| SEE <i>BEYRICHIA TUBERCULATA</i>                               |                           |  |
| <b>Beachia suessana</b> Hall                                   |                           |  |
| Haldimand co., Ont.....  | 63 Mem 34                 |  |
| Oriskany sandstone of Ont.....                                 | 249 Mem 34                |  |
| Torbrook, N.S.....   | 95 M IX                   |  |
| <b>Beatricea</b>   |                           |  |
| Generic characters.....  | 343, 344 R 11             |  |
| Organism resembling, from Middle Ordovician, rept. by Raymond. | Bull v                    |  |
| <b>Beatricea</b> sp  |                           |  |
| Simcoe area, Ont.....  | 163 SR 1909               |  |
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|  | 254, 256 SR 1911          |  |
| Stony mt., Man.....  | 360 A XVI                 |  |
| <b>Beatricea gracilis</b>                                      |                           |  |
| Appalachian valley, Pa.....                                    | 1 Bull 5                  |  |
| <b>Beatricea nodulosa</b> Billings                             |                           |  |
| Anticosti is., Que.....  | 8, 76 R 427               |  |
|  | 6, 9, 17 Bull 3           |  |
| described.....   | 344 R 11                  |  |
| Compared with <i>CRYPTOPHRAGMUS ANTIQUATUS</i> .....           | 9, 10 Bull 5              |  |
| Horizon.....   | 937 R 50                  |  |
| New York state.....  | 76 R 427                  |  |
| Stony mt., Man.....  | 114 R 564                 |  |
|  | 49 F XI                   |  |
| <b>Beatricea sulcata</b> SEE <i>B. UNDULATA</i>                |                           |  |
| <b>Beatricea undulata</b> Billings                             |                           |  |
| Anticosti is., Que.....  | 89 R 39                   |  |
|  | 222, 224, 299 R 50        |  |
|  | 8, 34, 76 R 427           |  |
|  | 6, 9, 17 Bull 3           |  |
|  | 344, 345 R 1              |  |
| described.....   |                           |  |
| Compared with <i>CRYPTOPHRAGMUS ANTIQUATUS</i> .....           | 9, 10 Bull 5              |  |
| Horizon.....   | 937 R 50                  |  |
| Lake Huron.....  | 8 R 427                   |  |
| Club is.....   | 100 Mem 83                |  |
| Manitoulin is.....   | 217 R 50                  |  |
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|  | 103, 104, 123, 156 Mem 83 |  |
| Rabbit is.....   | 126 Mem 83                |  |
| St. John l., Que.....  | 220 R 20                  |  |
|  | 89 R 39                   |  |
|  | 8 R 427                   |  |
|  | 156 Mem 83                |  |
|  | 42 Mem 92                 |  |
| Stony mt., Man.....  | 114 R 564                 |  |
|  | 49 F XI                   |  |
| <b>Beccheria</b> sp  |                           |  |
| Antigonish co., N.S.....                                       | 78 Mem 60                 |  |
|  | 244 SR 1910               |  |
| Mai, pointe du, N.B.....                                       | 453 R 50                  |  |
| <b>Beinertia göpperti</b> Dawson                               |                           |  |
| Chaleur bay, N.B.....  | 215 R 83                  |  |
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| Grand l., N.B.....   | 28 M XIII                 |  |
| Coal ck.....   | 215 R 83                  |  |
| New Brunswick and N.S., horizon                                | 38 R 430                  |  |
| <b>Bela cretacea</b> Whiteaves                                 |                           |  |
| Hornby is., B.C., described and fig.....                       | 355, Pl 44 R 827          |  |
| Vancouver is., B.C.....  | 408 R 827                 |  |
| <b>Bela elegans</b> Möller                                     |                           |  |
| Island of Montreal, Que.....                                   | 66, 67 Mem 73             |  |
| <b>Bela harpularia</b> Couhuoy                                 |                           |  |
| SEE ALSO <i>MANGELIA (BELA) HARPULARIA</i>                     |                           |  |
| Chaleur bay, N.B.....  | 30 (EE) R 125             |  |
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| Island of Montreal, Que.....                                   | 66, 67 Mem 73             |  |
| Quebec city (near), Que.....                                   | 57 L V                    |  |
| <b>Bela pyramidalis</b> Ström                                  |                           |  |
| Island of Montreal, Que.....                                   | 67 Mem 73                 |  |
| <b>Bela rufa</b> SEE <i>MANGELIA (BELA) RUFa</i>               |                           |  |
| <b>Bela turricula</b> Montague                                 |                           |  |
| SEE ALSO <i>MANGELIA (BELA) TURRICULA</i>                      |                           |  |
| Chaleur bay, N.B.....  | 30 (EE) R 125             |  |
|  | 59 Mem 18                 |  |
| Island of Montreal, Que.....                                   | 66, 67 Mem 73             |  |
| <b>Bela violacea</b> Mighels and Adams                         |                           |  |
| Island of Montreal, Que.....                                   | 66, 67 Mem 73             |  |
| <b>Belemnitella manitobensis</b> Whiteaves                     |                           |  |
| Bighorn coal basin, Alta.....                                  | 45, 50 Mem 9              |  |
| Deloraine, Man.....  | 211 E V                   |  |
| Duck and Riding Mountain dists., Man.                          | 104 E V                   |  |
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| Horizon.....   | 102 R 441                 |  |
|  | 25 R 1035                 |  |
| Swan r., Man.....  | 107 E V                   |  |
| <b>Belemnites</b> sp   |                           |  |
| Assiniboine r., Man.....                                       | 112 A III                 |  |
| Horizon.....   | 17 D II                   |  |
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| St. Cuthbert (near). ....               | 16 J XI          |
| St. Dominique. ....                     | 142 J VII        |
| St. John I. ....                        | 85 R 39          |
| St. Justin (near). ....                 | 18 J XI          |
| St. Louis rapids, St. Lawrence r. .     | 15 R 9           |
| St. Pie. ....                           | 143 J VII        |
| St. Roch l'Achigan. ....                | 13 R 10          |
| Ste. Ursule (near). ....                | 19 J XI          |
| Yamaska r. ....                         | 152 J VII        |
| <b>Calymene senaria</b> Meek            |                  |
| SEE C. CALLICEPHALA                     |                  |
| <b>Calymene tuberculata</b>             |                  |
| Antigonish co., N.S. ....               | 66, 69-73 Mem 60 |
| <b>Calymene vogdesi</b> Foerste         |                  |
| Anticosti is., Que. ? . . . . .         | 14, 16 Bull 3    |
| Collingwood mt., Ont. ....              | 278 SR 1912      |
| <b>Calypites antediluvianus</b> Scudder |                  |
| Quesnel r., B.C. ....                   | 100 Mem 12       |
| <b>Camarella</b> sp                     |                  |
| Lorette, Que. ....                      | 119 K III        |
| Newfoundland. ....                      | 871 R 50         |
| <b>Camarella ambigua</b> (Hall)         |                  |
| Murray Bay, Que. ....                   | 13 R 7           |
| <b>Camarella antiquata</b>              |                  |
| SEE PROTORHYNCHA ANTIQUATA              |                  |
| <b>Camarella bernensis</b>              |                  |
| SEE PARASTROPHIA HEMIPPLICATA           |                  |
| <b>Camarella bisulcata</b>              |                  |
| SEE CYCLOSPIRA BISULGATA                |                  |
| <b>Camarella breviplicata</b> Billings  |                  |
| Horizon. ....                           | 417 R 431        |
| Stanbridge tp., Que. ....               | 132 J VII        |
| described and fig. ....                 | 304 R 431        |
| <b>Camarella calcifera</b>              |                  |
| SEE SYNTROPHIA CALCIFERA                |                  |
| <b>Camarella congesta</b>               |                  |
| SEE HYATIDINA CONGESTA                  |                  |
| <b>Camarella (?) costata</b> Billings   |                  |
| Levis formation. ....                   | 417 R 431        |
| Newfoundland. ....                      | 367, 375 R 431   |
| Stanbridge tp., Que. ....               | 132 J VII        |
| described and fig. ....                 | 304, 305 R 431   |
| <b>Camarella extans</b>                 |                  |
| SEE TRIPLECIA EXTANS                    |                  |
| <b>Camarella hemiplicata</b>            |                  |
| SEE PARASTROPHIA HEMIPPLICATA           |                  |
| <b>Camarella lenticularis</b>           |                  |
| SEE PARASTROPHIA LENTICULARIS           |                  |
| <b>Camarella longirostris</b> Billings  |                  |
| Chazy formation. ....                   | 944 R 50         |
| figured. ....                           | 127 R 50         |
| Mingan islds., Que. ....                | 134 R 50         |
| figured. ....                           | 445 R 491        |
| <b>Camarella nucleus</b>                |                  |
| SEE TRIPLECIA NUCLEUS                   |                  |

**Camarella ops**

SEE PARASTROPHIA OPS

**Camarella owatonensis**

SEE CYCLOSPIRA BISULCATA

**Camarella panderi** Billings

|                           |              |
|---------------------------|--------------|
| Coulonge l., Que.....     | 66 R 977     |
| Figured.....              | 143 R 50     |
| Horizon.....              | 944 R 50     |
| Murray bay, Que.....      | 163 R 50     |
| Paquette rapids, Ont..... | 60, 67 R 977 |
| Simcoe area, Ont.....     | 190 SR 1910  |
| Orillia N. tp.....        | 163 SR 1909  |
| Westmeath tp.....         | 36 R 977     |

**Camarella parva** Billings

|                   |                |
|-------------------|----------------|
| Newfoundland..... | 367, 374 R 431 |
| described.....    | 219 R 431      |

**Camarella polita** Billings

|                                 |                |
|---------------------------------|----------------|
| Horizon.....                    | 417 R 431      |
| Island of Orleans, Que.....     | 305 R 431      |
|                                 | 82 K III       |
| St. Joseph, Levis co., Que..... | 81 K III       |
| Stanbridge tp., Que.....        | 132 J VII      |
| described and fig.....          | 304, 305 R 431 |

**Camarella reversa**

SEE PENTAMERUS REVERSUS

**Camarella varians** Billings

|                            |                          |
|----------------------------|--------------------------|
| Chazy, N. Y.....           | 220 R 431                |
| Compared with PROTORHYNCHA |                          |
| ANTIQUEATA.....            | 11 R 431                 |
| Etchemin r., Que.....      | 60 K III                 |
| Figured.....               | 127 R 50                 |
| Horizon.....               | 944 R 50                 |
|                            | 417 R 431                |
| Mingan islds., Que.....    | 220 R 431                |
| described and fig.....     | 445, 446 R 491           |
| Newfoundland.....          | 871 R 50                 |
|                            | 220, 367, 374, 375 R 431 |

**Camarella volborthi** Billings

|                           |              |
|---------------------------|--------------|
| Figured.....              | 143 R 50     |
| Horizon.....              | 944 R 50     |
| Kirkfield, Ont.....       | 259 SR 1911  |
| Paquette rapids, Ont..... | 60, 67 R 977 |

**Camarium princeps**

SEE MERISTELLA PRINCEPS

**Camarcystites**

|                         |          |
|-------------------------|----------|
| Generic characters..... | 288 R 11 |
|-------------------------|----------|

**Camarcystites punctatus** Billings

|                              |          |
|------------------------------|----------|
| Ottawa, Ont., described..... | 288 R 11 |
|------------------------------|----------|

**Camarophoria** sp

|                                 |            |
|---------------------------------|------------|
| Alaska-Ykn. boundary.....       | 99 Mem 67  |
| White River reg. ?.....         | 78 Mem 50  |
| Church mt., B.C., south of..... | 512 Mem 38 |

**Camarophoria explanata** McChesney

|                           |             |
|---------------------------|-------------|
| Alaska-Ykn. boundary..... | 30 SR 1911  |
| Wardner, B.C.....         | 160 SR 1911 |
|                           | 226 SR 1912 |

**Camarophoria margaritovi**

|                            |            |
|----------------------------|------------|
| Chernuishev*.....          |            |
| Yukon-Alaska boundary..... | 30 SR 1911 |

**Camarophoria mutabilis**

|                           |            |
|---------------------------|------------|
| Kamloops (near), B.C..... | 121 Mem 68 |
|---------------------------|------------|

**Camarophoria sella**

|                              |            |
|------------------------------|------------|
| Kamloops (near), B.C. ?..... | 121 Mem 68 |
|------------------------------|------------|

**Camarotoechia** sp

|                           |                                |
|---------------------------|--------------------------------|
| Alaska-Ykn. boundary..... | 73, 78, 80, 81, 94, 101 Mem 67 |
|                           | 309-313 SR 1913                |
| White River reg.....      | 78, 79 Mem 50                  |
| Antigonish co., N.S.....  | 68, 132, 133 Mem 60            |
| Digby co., N.S.....       | 114 M IX                       |
| Essex co., Ont.....       | 204, 208 Mem 34                |
| Galton range, B.C.....    | 112 Mem 38                     |
| Haldimand co., Ont.....   | 41, 45, 50, 54, 85, 89 Mem 34  |

**Camarotoechia** sp—Continued

|                           |             |
|---------------------------|-------------|
| Huron co., Ont.....       | 139 Mem 34  |
| Macdonald range, B.C..... | 116 Mem 38  |
| Oxford co., Ont.....      | 111 Mem 34  |
| Sydney, N.S.....          | 393 SR 1912 |
| Welland co., Ont.....     | 26 Mem 34   |
| Niagara r.....            | 185 SR 1913 |

**Camarotoechia (?) acinus** (Hall)

|                           |             |
|---------------------------|-------------|
| Alaksa-Ykn. boundary..... | 73 Mem 67   |
|                           | 309 SR 1913 |
| Gravel r., Mack.....      | 33 R 1097   |

**Camarotoechia argentea** (Billings)

|                            |              |
|----------------------------|--------------|
| Anticosti is., Que. ?..... | 15 Bull 3    |
| described.....             | 43, 44 R 427 |

**Camarotoechia barrandi** Hall

|                         |           |
|-------------------------|-----------|
| Haldimand co., Ont..... | 63 Mem 34 |
|-------------------------|-----------|

**Camarotoechia billingsi** Hall

|   |            |
|---|------------|
| Bruce co., Ont.....                                   | 150 Mem 34 |
| Delaware limestone of Ont.....                        | 238 Mem 34 |
| Haldimand co., Ont. 38, 63, 70, 78, 81, 84, 89 Mem 34 |            |
| Hamilton formation of Ont.....                        | 233 Mem 34 |
| Huron co., Ont. ?.....                                | 134 Mem 34 |
| Norfolk co., Ont.....                                 | 102 Mem 34 |
| Onondaga limestone of Ont.....                        | 244 Mem 34 |
| Welland co., Ont.....                                 | 34 Mem 34  |

**Camarotoechia borealis**

|                             |              |
|-----------------------------|--------------|
| Antigonish co., N.S. ?..... | 70-73 Mem 60 |
|-----------------------------|--------------|

**Camarotoechia carolina** Hall

|                         |                 |
|-------------------------|-----------------|
| Bruce co., Ont.....     | 150 Mem 34      |
| Essex co., Ont.....     | 208 Mem 34      |
| Haldimand co., Ont..... | 84, 89 Mem 34   |
| Horizon in Ont.....     | 245 Mem 34      |
| Huron co., Ont.....     | 121, 127 Mem 34 |
| Perth co., Ont.....     | 115 Mem 34      |
| Welland co., Ont.....   | 1 : Mem 34      |

**Camarotoechia (?) coalescens**

|                        |                  |
|------------------------|------------------|
| Whiteaves              |                  |
| Winisk r., Ont. ?..... | 18 R 1080        |
| described and fig..... | 272, P1 25 R 950 |

**Camarotoechia contracta** Hall

|                            |             |
|----------------------------|-------------|
| Alaska-Ykn. boundary?..... | 79 Mem 67   |
|                            | 312 SR 1913 |

**Camarotoechia decemplicata**

|                            |                |
|----------------------------|----------------|
| (Sowerby)                  |                |
| Anticosti is., Que.....    | 14, 15, Bull 3 |
| described.....             | 44 R 427       |
| horizon; nomenclature..... | 28 Bull 3      |
| Cumberland co., N.S.....   | 52 R I         |
| Wentworth.....             | 10 R 101       |

**Camarotoechia dotis** Hall

|                                |            |
|--------------------------------|------------|
| Delaware limestone of Ont..... | 238 Mem 34 |
| Hamilton formation of Ont..... | 233 Mem 34 |
| Huron co., Ont.....            | 131 Mem 34 |

**Camarotoechia dryope** (Billings)

|                                |            |
|--------------------------------|------------|
| Haldimand co., Ont.....        | 63 Mem 34  |
| Oriskany sandstone of Ont..... | 249 Mem 34 |

**Camarotoechia ekwanensis** Whiteaves

|                           |                  |
|---------------------------|------------------|
| Cedar l., Man.....        | 11 Bull 21       |
| Ekwan r., Ont.....        | 17, 42 F XIV     |
| described and fig.....    | 252, P1 25 R 950 |
| Southampton is., Kee..... | 331-334 R 905    |
| Sutton l., Ont.....       | 269 R 950        |

**Camarotoechia equiradiata**

|                             |           |
|-----------------------------|-----------|
| Antigonish co., N.S. ?..... | 66 Mem 60 |
|-----------------------------|-----------|

**Camarotoechia formosa**

|                             |               |
|-----------------------------|---------------|
| Antigonish co., N.S. ?..... | 71, 71 Mem 60 |
|-----------------------------|---------------|

**Camarotoechia fringilla** (Billings)

|                         |                |
|-------------------------|----------------|
| Anticosti is., Que..... | 43, 74 R 427   |
|                         | 14 Bull 3      |
| described and fig.....  | 141, 142 R 431 |

**Camarotoechia glacialis** (Billings)

|                         |               |
|-------------------------|---------------|
| Anticosti is., Que..... | 43, 74 R 427  |
|                         | 14, 15 Bull 3 |
| described and fig.....  | 123 R 431     |

\*Erroneously spelled Tschernyschew

|   |                        |            |
|---|------------------------|------------|
| <b>Camarotoechia horsfordi</b> Hall                           |                        |            |
| Hamilton formation.....                                       | 416 r                  | 659        |
| Lambton co., Ont.....   | 181 Mem                | 34         |
| Thedford.....   | 386 r                  | 659        |
| <b>Camarotoechia (?) indianaensis</b> (Hall)                  |                        |            |
| Alaska-Ykn. boundary.....                                     | 73, 74 Mem             | 67         |
|   | 309, 310 sr            | 1913       |
| <b>Camarotoechia metallica</b> White                          |                        |            |
| Fort Steele mg. div., B.C.....                                | 160 sr                 | 1911       |
|   | 226 sr                 | 1912       |
| <b>Camarotoechia (Stegerhynchus) neglecta</b> (Hall)          |                        |            |
| Alaska, Porcupine r.....                                      | 28 sr                  | 1911       |
| Yukon boundary.....   | 68 Mem                 | 67         |
| Anticosti is., Que.....                                       | 12, 14, 15 Bull        | 3          |
| Antigonish co., N.S.....                                      | 67-69 Mem              | 60         |
| Bonaventure co., Que.....                                     | 444 r                  | 50         |
| Flamborough W. tp., Ont.....                                  | 313, 326 r             | 50         |
| figured.....  | 315 r                  | 50         |
| Manitoulin is., Ont.....                                      | 278, 279 sr            | 1912       |
| Southampton is., Kee. ?.....                                  | 333 r                  | 905        |
| Thorold, Ont.....   | 323 r                  | 50         |
| Timiskaming l., Ont. and Que....                              | 285 r                  | 962        |
|   | 295 I x                |            |
|   | 4 Bull                 | 17         |
| Wellington co., Ont.....                                      | 2 Bull                 | 20         |
| <b>Camarotoechia nucula</b>                                   |                        |            |
| Antigonish co., N.S. ?.....                                   | 73 Mem                 | 60         |
| <b>Camarotoechia nutrix</b> (Billings)                        |                        |            |
| Anticosti is., Que.....                                       | 10, 14, 16 Bull        | 3          |
| described.....  | 43 r                   | 427        |
| <b>Camarotoechia obtusiplicata</b> (Hall)                     |                        |            |
| Antigonish co., N.S.....                                      | 66-69 Mem              | 60         |
| Timiskaming l., Ont. and Que....                              | 5 Bull                 | 17         |
| <b>Camarotoechia orientalis</b> (Billings)                    |                        |            |
| Chazy formation.....  | 944 r                  | 50         |
| Figured.....  | 126 r                  | 50         |
| Mingan islds., Que.....                                       | 134 r                  | 50         |
| described and fig.....  | 441, 443 r             | 491        |
| Ottawa dist., Ont.....  | 73 G XII               |            |
| <b>Camarotoechia pisa</b> (Hall and Whitfield)                |                        |            |
| Elora and Hespeler, Ont.....                                  | 63 r                   | 564        |
| Guelph formation of Ont.....                                  | 329 r                  | 950        |
| <b>Camarotoechia plena</b> (Hall)                             |                        |            |
| Caughnawaga, Que.....   | 14 r                   | 9          |
|   | 131 r                  | 50         |
| Cornwall tp., Ont.....  | 70 r                   | 9          |
|   | 127 r                  | 50         |
|   | 445 r                  | 491        |
| Figured.....  | 126 r                  | 50         |
| Grande Ligne, Que.....  | 119 J VII              |            |
| Hawkesbury tp., Ont.....                                      | 19 r                   | 9          |
| Horizon.....  | 944 r                  | 50         |
|   | 28 O XIV               |            |
| Huntley tp., Ont.....   | 83 J XIV               |            |
| Island of Montreal, Que.....                                  | 122 J VII              |            |
| Montreal.....   | 125, 126,              |            |
| figured.....  | 444 r                  | 491        |
| Lancaster and Lochiell tps., Ont..                            | 71 r                   | 9          |
| Limestone beds formed by.....                                 | 20 O XIV               |            |
| Newfoundland.....   | 871 r                  | 50         |
| North channel, I. Huron, Ont....                              | 194, 196 r             | 50         |
| Ottawa valley, Ont.....                                       | 445 r                  | 491        |
| Hawkesbury tp.....  | 124 r                  | 50         |
| Little Rideau.....  | 140, 141 J XII         |            |
| Vankleek Hill (near).....                                     | 84 J XII               |            |
| L'Original.....   | 433 r                  | 491        |
|   | 140 J XII              |            |
| Nepean tp.....  | 129 r                  | 50         |
|   | 74 G XII               |            |
| South Nation r.....   | 130 r                  | 50         |
| Ramsey tp., Ont.....  | 128 r                  | 50         |
| Ste. Anne-de-Bellevue, Que.....                               | 96 Dec                 | 3          |
| Ste. Geneviève, Que.....                                      | 17 r                   | 9          |
| St. Lin, Que.....   | 133 r                  | 50         |
| St. Martin, Que.....  | 120 J VII              |            |
| <b>Camarotoechia prolifica</b> Hall                           |                        |            |
| Bruce co., Ont.....   | 144 Mem                | 34         |
| Delaware limestone of Ont.....                                | 238 Mem                | 34         |
| Hamilton formation of Ont.....                                | 233 Mem                | 34         |
| Huron co., Ont.....   | 131, 134,              | 139 Mem 34 |
| <b>Camarotoechia pyrha</b> (Billings)                         |                        |            |
| Anticosti is., Que.....                                       | 14 Bull                | 3          |
| described.....  | 44 r                   | 427        |
| <b>Camarotoechia sappho</b> Hall                              |                        |            |
| Bruce co., Ont.....   | 144 Mem                | 34         |
| Hamilton formation of Ont.....                                | 386, 416 r             | 659        |
|   | 233 Mem                | 34         |
| Huron co., Ont.....   | 139 Mem                | 34         |
| Lambton co., Ont.....   | 171, 178 Mem           | 34         |
| Middlesex co., Ont.....                                       | 159 Mem                | 34         |
| <b>Camarotoechia tethys</b> (Billings)                        |                        |            |
| Figured.....  | 370 R                  | 50         |
| <b>Ontario</b>  |                        |            |
| Bruce co. ....  | 144, 147, 150, 153 Mem | 34         |
| Delaware limestone.....                                       | 238 Mem                | 34         |
| Haldimand co. ....  | 57, 63, 84, 89 Mem     | 34         |
| Hamilton formation.....                                       | 124 r                  | 443        |
|   | 233 Mem                | 34         |
| Huron co.....   | 125 Mem                | 34         |
| Norfolk co.....   | 102 Mem                | 34         |
| Onondaga limestone.....                                       | 245 Mem                | 34         |
| Perth co. ....  | 115, 118 Mem           | 34         |
| Welland co. ....  | 18, 24, 31 Mem         | 34         |
| <b>Camarotoechia thedfordensis</b> Whiteaves                  |                        |            |
| Horizon.....  | 416 r                  | 659        |
|   | 233 Mem                | 34         |
| Lambton co., Ont.....   | 166 Mem                | 34         |
| Thedford.....   | 284 sr                 | 1912       |
| described and fig.....  | 386, 387, P1           | 48 r 659   |
| Middlesex co., Ont.....                                       | 159 Mem                | 34         |
| <b>Camarotoechia ventricosa</b> (Hall)                        |                        |            |
| St. Helen isld., Que.....                                     | 156 J VII              |            |
| <b>Camarotoechia vicina</b> (Billings)                        |                        |            |
| Anticosti is., Que.....                                       | 17 Bull                | 3          |
| described.....  | 44 r                   | 427        |
| <b>Camarotoechia (Stegerhynchus) whitci</b> (Hall)            |                        |            |
| Guelph (near), Ont. ?, notes and photo.....                   | 3, 6, 13 Bull          | 20         |
| New York state.....   | 4 Bull                 | 20         |
| <b>Camarotoechia ? winiskensis*</b> (Whiteaves)               |                        |            |
| Clear Lake reg., Man.....                                     | 12 Bull                | 21         |
| Winisk r., Ont.....   | 18 r                   | 1080       |
| described and fig.....  | 272, P1                | 25 r 950   |
| <b>Camerella</b> SEE CAMARELLA                                |                        |            |
| <b>Cameroceras</b> sp   |                        |            |
| Nipissing l., Ont.....  | 120 r                  | 962        |
|   | 122 I x                |            |
| Simcoe area, Ont.....   | 163 sr                 | 1909       |
|   | 191 sr                 | 1910       |
| <b>Cameroceras (Proterocameroceras) brainerdi</b> (Whitfield) |                        |            |
| Phillipsburg (near), Que.....                                 | 124 J VII              |            |
| <b>Cameroceras proteiforme</b> SEE ENDOCERAS PROTEIFORME      |                        |            |
| <b>Campanularia</b>   |                        |            |
| Notes by James Hall.....                                      | 33 Dec                 | 2          |
| <b>Campeloma</b> sp   |                        |            |
| Moose Mountain area, Alta.....                                | 53 Mem                 | 61         |
| <b>Campeloma multilincata</b> Meek and Hayden                 |                        |            |
| Alberta, southwestern.....                                    | 77 r                   | 442        |
| S. Saskatchewan r.....  | 76 (c) r               | 167        |
| Bow r.....  | 165 E II               |            |
| Wood Mountain area, Sask.....                                 | 16 F XV                |            |
|   | 46 Mem                 | 89         |

\*Referred by Foerste to ALLORHYNCHUS WINISKENSIS



- Campeloma producta** White  
 Alberta, southwestern..... 20, 24, 77 R 442  
     68, 74, 136, 166 E II  
     Belly r..... 75 (c) R 167  
 Laramie and Belly River series... 77 R 442  
     26 R 1035  
 Souris River dist., Sask..... 28 R 442  
     16 F XV  
     46 Mem 59
- Campilonia declivum** (Say)  
 Blue Sea lakes, Ont..... 388 Mem 6
- Campophyllum** sp  
 Church mt., B.C., south of ?..... 511 Mem 38  
 Washington state..... 510 Mem 38  
 White River reg., Ykn..... 78 Mem 50
- Campophyllum caespitosum** Goldfuss  
 SEE CHONOPHYLLUM ELLIPTICUM
- Campophyllum setenium**  
 SEE CYATHOPHYLLUM ELLIPTICUM
- Campophyllum torquium** Owen  
 Manitoba, northwestern..... 150-205 E V  
 described..... 160, 161 R 712
- Campolithus papillatus**  
 SEE LYELLIA PAPILLATA
- Camptonectes** sp  
 Cretaceous of Rocky mts..... 17 D II  
 Benton formation..... 85 Mem 38  
 Liard r., Mack..... 20, 51 D IV  
 Peace-Athabaska reg., Alta..... 31, 58 D V  
 Athabaska-Moose rivers..... 37 D V  
 Peace-Athabaska rivers..... 96 R 108
- Camptonectes bellistriatus** Meek  
 Compared with AMUSIUM  
 LENTICULARE..... 243, 261 R 437
- Camptonectes curvatus** Geinitz  
 European Cretaceous..... 257 R 437  
 Maude is., B.C..... 306 R 706  
 figured..... 242, 255, Pl 32 R 437  
 Southern India..... 261 R 437
- Camptonectes extenuatus** Meek  
 Compared with C. CURVATUS.... 242, 261 R 437  
 Dakota..... 158 R 114  
 Itasyouco r., B.C., described.... 151 R 114  
 Skidegate inlet, B.C..... 258 R 437
- Canadia dubia** Walcott  
 Kicking Horse valley, B.C..... 190 SR 1911
- Canadia irregularis** Walcott  
 Kicking Horse valley, B.C..... 190 SR 1911
- Canadia setigera** Walcott  
 Kicking Horse valley, B.C..... 190 SR 1911
- Canadia sparsa** Walcott  
 Kicking Horse valley, B.C..... 190 SR 1911
- Canadia spinosa** Walcott  
 Kicking Horse valley, B.C..... 190 SR 1911
- Canadocystis barrandi** (Billings)  
 Chazy formation..... 940 R 50  
 Island of Montreal, Que..... 121 J VII  
 Montreal, described and fig.... 67, Pl 7 Dec 3
- Cancer triloboides**  
 SEE TRIARTHURUS BECKI
- Caninia** SEE ZAPHRENTIS
- Caninia bilateralis**  
 SEE ZAPHRENTIS BILATERALIS
- Cannapora annulata**  
 SEE C. JUNCIFORMIS
- Cannapora junciformis** Hall  
 Drummond is., U.S., described... 63, 64 R 684  
 Grey co., Ont., described..... 63, 64 R 684
- Canobius modulus** (Dawson)  
 Belliveau, N.B..... 31 R 1109  
 described and fig..... 31, 68 Mem 3  
 Hillsborough, N.B., described and  
 fig..... 31-33, Pl 11 R 1109  
 Hortonville, N.S..... 31 R 1109  
 described and fig..... 31, 68 Mem 3
- Capulus annulatus**  
 Japan..... 364 R 827
- Capulus canadensis**  
 SEE ARCHINACELLA CANADENSIS
- Capulus cassidarius**  
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- Capulus corrugatus**  
 SEE ALSO HELICION GIGANTEUS  
 Horizon..... 408 R 827  
 Puntledge r., V.I., described and  
 fig..... 364, Pl 45 R 827
- Capulus trentonensis**  
 La Chevrotière seig., Que..... 154 R 50
- Capulus ungaricus** Linnaeus  
 Island of Montreal, Que..... 67 Mem 73
- Carabocrinus**  
 Generic characters..... 275 R 11  
 cup of, fig..... 30 Dec 4
- Carabocrinus radiatus** Billings  
 Horizon..... 939 R 50  
 Ottawa, Ont..... 166 R 50  
 described..... 276 R 11  
 and fig..... 31, Pl 2 Dec 4
- Carabocrinus (?) tuberculatus**  
 Billings  
 Anticosti is., Que..... 224 R 50  
     9 R 427  
     7 Bull 3  
 described and fig..... 33, Pl 10 Dec 4  
 Lorraine formation..... 939 R 50
- Carabocrinus vancortlandti** Billings  
 Amprior (near), Ont., described  
 and fig..... 32, Pl 2 Dec 4  
 Horizon..... 939 R 50  
 Kirkfield, Ont..... 258 SR 1911
- Carcinosoma ingens**  
 SEE EUSARCUS NEWLINI
- Carcinosoma newlini**  
 SEE EUSARCUS NEWLINI
- Cardinia antigonensis** Dawson  
 Antigonish harbour, N.S..... 83 P II
- Cardiocarpon\*** sp  
 Pictou coal field, N.S..... 78 R 68  
 Piskahegan r., N.B..... 187 R 89  
 Queens and St. John cos., N.B.... 217 R 89
- Cardiocarpon baileyi** Dawson  
 Europe and America..... 121 Mem 41  
 Fern Ledges, St. John, N.B..... 173 R 83  
     112, 114, 117 Mem 41  
 notes and fig..... 60, 86, 92, Pl 19 R 428  
     92, 93, Pl 19 Mem 41
- Cardiocarpon bisectatum** Dawson  
 Grand l., Queens co., N.B..... 28 M XIII  
 Coal ck. and Newcastle r..... 215 R 83  
 New Brunswick and N.S., horizon 37 R 430
- Cardiocarpon cornutum** Dawson  
 Europe and America..... 121 Mem 41  
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- Carnarvonina venosa** Walcott  
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| Stump l., B.C.           | 26, 117 R 1013         |
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**Carpites judithae** Knowlton

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| Red Deer r., Alta. | 205 SR 1915 |
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**Carpolithes** sp

British Columbia SEE BELOW

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| North Saskatchewan r., Alta. | 101 B II       |
| Porcupine ck., Sask.         | 11, 128 R 1013 |
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**British Columbia**

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| Pine r., described. | 121 (b) R 147      |
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| Stump l.            | 41, 128 R 1013     |
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**Carpolithes arachioides**

SEE LEGUMINOSITES ARACHIOIDES

**Carpolithes compactus** Dawson

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|-----------------------------|-------------------------|
| Fern Ledges, St. John, N.B. | 100, 112 Mem 41         |
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**Carpolithes dentatus** Penhallow

|                           |                        |
|---------------------------|------------------------|
| Horsefly r., B.C.         | 27, 42, 97, 117 R 1013 |
| Kamloops coal field, B.C. | 288 Mem 69             |
| Quilchena, B.C.           | 25, 42, 98, 112 R 1013 |
| Stump l., B.C.            | 26, 42, 128 R 1013     |
| Dropping-water ck.        | 234 B VII              |
| Tranquille r., B.C.       | 30, 99, 115 R 1013     |

**Carpolithes denticulatus**

|                          |            |
|--------------------------|------------|
| Similkameen valley, B.C. | 830 Mem 38 |
|--------------------------|------------|

**Carpolithes grandis**

SEE GLOSSOCARPELITES GRANDIS

**Carpolithes horridus**

SEE ANTHOLITHES HORRIDUS

**Carpolithes lunatus** Dawson

|            |              |
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**Carpolithes seminulum** Heer

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| Mackenzie basin, Mack. | 17, 43, 128 R 1013 |
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**Carpolithes siliqua** Dawson

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**Carpolithes spicatus** Dawson

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|------------|--------------|
| Perry, Me. | 202 R 83     |
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**Carpolithes ternatus** Fontaine

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**Carya** SEE HICORIA**Carya antiquorum**

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**Caryatis nitida**

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**Caryatis subtrigona**

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| Skidegate inlet, B.C. | 222, 226 R 437 |
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**Caryocrinites** sp

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**Caryocrinites loricatus**

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**Caryocrinites ornatus** Say

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| Notes by Billings. | 32 Dec 3 |
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**Caryocystites testudinarius**

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**Caryophyllia gigantea**

SEE ZAPHRENTIS GIGANTEA

**Caryosphaera aequidistans** Rüst

|                    |                  |
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**Cassiopella** sp

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**Castalia stantoni** Knowlton

|                    |                  |
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**Castanea** sp

|                      |                    |
|----------------------|--------------------|
| Edmonton formation.  | 13 Mem 8           |
| Porcupine ck., Sask. | 11, 43, 128 R 1013 |

**Castanea castaneaeifolia** (Unger)

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**Castanea intermedia** Lesquereux

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**Castanea pumila** (Linnaeus) Miller

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| Allied to C. CASTANAEFOLIA. | 259 R 108 |
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**Castanea ungeri**

SEE C. CASTANAEFOLIA

**Castocrinus articulatus**

SEE CREMACRINUS ARTICULATUS

**Castocrinus inaequalis**

SEE CREMACRINUS INAEQUALIS

**Castocrinus kentueidensis**

SEE CREMACRINUS ARTICULATUS

**Castor fiber** (canadensis?)

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| Burlington bay, Ont. | 914 R 05 |
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**Catalpa crassifolia**

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**Catazyga** sp

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- Catenipora** SEE HALYSITES
- Catenipora agglomerata**  
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- Catenipora escharoides**  
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- Catenipora gracilis**  
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- Ceanothus cretaceus** Dawson  
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- Cebatha** sp  
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| <b>Ceraurus insignis</b> (Hall)                |                     |
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| <b>Ceraurus meekanus</b>                       |                     |
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| <b>Chaetetes fletcheri</b> Nicholson                      |                       |  |  |
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| <b>Chaetetes gracilis</b>                                 |                       |  |  |
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**Chonetes ostiolatus** Girty

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**Chonetes (Eodevonaria) primigenius**

|   |                            |
|---|----------------------------|
| Twenhofel                                   |                            |
| Anticosti is., Que., described and fig..... | 7, 10, 14, 26, Pl 1 Bull 3 |

**Chonetes reversa**

SEE CHONOSTROPHIA REVERSA

**Chonetes scifulus** Hall

|                         |                      |
|-------------------------|----------------------|
| Horizon.....            | 123 R 443            |
|                         | 415 R 659            |
|                         | 233 Mem 34           |
| Lambton co., Ont.....   | 166, 171, 178 Mem 34 |
| Middlesex co., Ont..... | 160 Mem 34           |

**Chonetes smithi** SEE C. GRANULIFERA**Chonetes tenuistriatus** Hall

|                          |              |
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| Antigonish co., N.S..... | 65-69 Mem 60 |
| Stonehouse bk.....       | 75 R 440     |

**Chonetes tuomyi** SEE C. CORONATUS**Chonetes variolatus** (d'Orbigny)

Alaska-Yukon boundary ?..... 97-101 Mem 67

**Chonetes verneuillanus** Norwoodand Pratten  
White River reg., Ykn..... 79 Mem 50**Chonetes vicinus** (Castlenau)

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| Delaware formation of Ont..... | 238 Mem 34                     |
| Hamilton formation of Ont..... | 415 R 659                      |
|                                | 191 A XI                       |
|                                | 233 Mem 34                     |
| Huron co., Ont.....            | 131, 134, 136 Mem 34           |
| Lambton co., Ont.....          | 166, 171, 175, 178, 189 Mem 34 |
| Bartlett Mills and Thedford    | 284 sr 1912                    |
| notes.....                     | 383 R 659                      |
| Middlesex co., Ont.....        | 155, 160 Mem 34                |
| Perth co., Ont.....            | 115, 118 Mem 34                |

**Chonophyllum belli** Billings

Manitoulin is., Ont., described and fig..... 187, Pl 16 R 712

**Chonophyllum (Craterophyllum)**

|                             |                       |
|-----------------------------|-----------------------|
| <b>canadense</b> (Billings) |                       |
| Anticosti is., Que.....     | 34 R 427              |
| described.....              | 15, 17 Bull 3         |
|                             | 107 R 431             |
| and fig.....                | 185, 186, Pl 17 R 712 |

**Chonophyllum ellipticum**\* (Whiteaves)

|                                  |                  |
|----------------------------------|------------------|
| Hay and Athabaska rivers, Alta.. | 248-252 R 444    |
|                                  | 16, 72 D IV      |
|                                  | 35 D V           |
| described and fig.....           | 202, Pl 27 R 444 |

**Chonophyllum magnificum** Billings

|                                    |                |
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| Haldimand co., Ont.....            | 92 Mem 34      |
| Onondaga limestone of Ont.....     | 241 Mem 34     |
| Various localities; described..... | 188, 189 R 712 |

**Chonophyllum niagarensis** SEE

CYSTIPHYLLUM NIAGARENSE

**Chonophyllum nymphale** (Billings)

|   |                       |
|---|-----------------------|
| Vielle, anse à la, Que., described and fig..... | 111, 112 R 431        |
|   | 187, 188, Pl 18 R 712 |

**Chonophyllum perfoliatum**

|                          |           |
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| Goldfuss                 |           |
| Gotland is., Sweden..... | 185 R 712 |

**Chonophyllum radícula** Rominger

Manitoulin is., Ont..... 279 sr 1912

**Chonostegites clappi** M.-Edwards

|   |                               |
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| and Haime                                     |                               |
| Corniferous limestone of Ont., described..... | 38, 39 R 684                  |
| Haldimand and Norfolk cos., Ont.              | 369 R 50                      |
|   | 40, 52, 62, 68, 78, 88 Mem 34 |
| Onondaga limestone of Ont.....                | 241 Mem 34                    |
| Welland co., Ont.....                         | 33 Mem 34                     |
| Woodstock, Ont., described.....               | 174, 175 R 39                 |

**Chonostegites ordinatus** (Billings)

Onondaga limestone of Ont..... 241 Mem 34

**Chonostrophia complanata** Hall

|                                |            |
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| Haldimand co., Ont.....        | 64 Mem 34  |
| Oriskany sandstone of Ont..... | 249 Mem 34 |

**Chonostrophia dawsoni**

|                        |              |
|------------------------|--------------|
| Gaspe co., Que.....    | 9 (DD) R 154 |
| described and fig..... | 18, 19 R 432 |

**Chonostrophia reversa** Whitfield

|                                |            |
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| Delaware limestone of Ont..... | 238 Mem 34 |
| Haldimand co., Ont.....        | 85 Mem 34  |
| Illinois.....                  | 221 Mem 34 |
| Onondaga limestone of Ont..... | 245 Mem 34 |
| Perth co., Ont.....            | 115 Mem 34 |
| Welland co., Ont.....          | 18 Mem 34  |

**Choristes elegans** Carpenter

Island of Montreal, Que..... 67 Mem 73

\*Called by Fenton and Fenton TABULOPHYLLUM BILERSI

|   |                                     |   |  |
|---|-------------------------------------|---|--|
| <b>Christiania trentonensis</b> Ruedemann<br>Quebec city, Que.....      | 356 SR 1911                         | <b>Cirsotrema tenuisculptum</b> Whiteaves<br>Nanaimo group.....   | 408 R 827  |
| <b>Chrysodomus despectus</b> Linnaeus<br>Ottawa, Ont.....               | 54 G XII                            | Sucia islds., B.C., described and<br>fig.....   | 127, Pl 16 R 436                                   |
| <b>Chrysodomus tornatus</b> Gould<br>Quebec city, Que.....              | 57 L V                              | <b>Cissampelos</b> sp<br>Cranbrook map-area, B.C. ?.....  | 89 Mem 76  |
| <b>Cimoliasaurus magnus</b> Leidy<br>Red Deer r., Alta., described..... | 11, 23, 32 R 774                    | <b>Cissites</b> sp<br>Moose Mountain dist., Alta.....   | 53 Mem 61  |
| <b>Cimolopteryx rarus</b> Marsh<br>Converse co., Wyo.....               | 15 R 774                            | <b>Cissites affinis</b> Lesquereux<br>Blairmore area, Alta.....   | 197 SR 1911  |
| <b>Cimolopteryx retusus</b> Marsh<br>Converse co., Wyo.....             | 15 R 774                            | <b>Cladocyclus occidentalis</b> Leidy<br>Duck and Riding Mts. dist., Man. 108, 112, 211 E V<br>described and fig..... | 195, 196, Pl 26 R 443<br>102 R 441<br>25 R 1035    |
| <b>Cingula jan meyeri</b> Friele<br>Island of Montreal, Que.....        | 66 Mem 73                           | <b>Cladograpsus gracilis</b><br>SEE NEMAGRAPTUS GRACILIS  |  |
| <b>Cinnamomum</b> sp<br>Similkameen valley, B.C.....                    | 830 Mem 38                          | <b>Cladograpsus linearis</b><br>SEE PLEUROGRAPTUS LINEARIS  |  |
| Souris coal field, Sask.....  | 25 (A) R 147                        | <b>Cladograpsus ramosus</b><br>SEE DIGRANAGRAPTUS RAMOSUS   |  |
| <b>Cinnamomum affine</b> Lesquereux<br>Horsefly r., B.C.....            | 27, 97, 117 R 1013                  | <b>Cladophlebis</b> sp<br>Groundhog coal basin, B.C.....  | 82, 358 SR 1911                                    |
| Thompson r., B.C.....   | 143 SR 1912                         | Nordenskiöld r., Ykn.....   | 392 A XVI  |
| Tranquille r., B.C.....   | 30, 45, 115 R 1013                  | Pimainus hills, B.C.....  | 408 SR 1912  |
| Tulameen r., B.C.....   | 20, 45, 100, 128 R 1013             | Tantalus coal mine, Ykn.....  | 59 Mem 31  |
| <b>Cinnamomum canadense</b> Dawson<br>Milk ck., Alta.....               | 30 R 1035                           | <b>Cladophlebis acuta</b><br>SEE C. VIRGINIENSIS  |  |
| <b>Cinnamomum heeri</b> Lesquereux<br>Saanichton, V.I.....              | 98 R 84                             | <b>Cladophlebis acuta angustifolia</b><br>SEE C. VIRGINIENSIS   |  |
| <b>Cinnamomum polymorphum</b><br>SEE C. AFFINE                          |                                     | <b>Cladophlebis brevipennis</b><br>SEE C. ROTUNDATA   |  |
| <b>Cinnamomum rosmässleri</b><br>SEE C. AFFINE                          |                                     | <b>Cladophlebis browniana</b> (Dunker)<br>Seward  |  |
| <b>Cinulia</b> sp<br>Athabaska r., Alta.                                |                                     | Banff area, Alta.....   | 30 R 1035  |
| Burnt rapids.....   | 31, 32 D V                          | Canmore, Alta.....  | 48 Mem 9   |
| Drowned rapids ?.....   | 14 (CC) R 167                       | Montana.....  | 814 Mem 38   |
| Horizon.....  | 58 D V                              | Pimainus hills, B.C.....  | 137, 408 SR 1912                                   |
| Maude is., and Skidegate inlet,<br>Q.C.I.....                           | 249 R 437<br>307 R 706              | <b>Cladophlebis constricta</b> Fontaine<br>Michel, B.C.....   | 392 A XVI<br>55 R 968                              |
| Vancouver is., B.C.....   | 85, 114 B II                        | Moose Mountain area, Alta.....  | 49 Mem 9   |
| Forward inlet.....  | 128 Mem 69                          | <b>Cladophlebis crenata</b><br>SEE C. BROWNIANA   |  |
| <b>Cinulia concinna</b> Meek and Hayden<br>Cypress hills, Sask.....     | 40 (A) R 147<br>67 C I              | <b>Cladophlebis denticulata</b> (Brongniart)<br>England, compared with PECOOPERIS<br>of Hornby is., B.C.....          | 70 R 89  |
| Manitoba and Sask., various.....  | 32 Mem 89<br>46 R 442               | <b>Cladophlebis distans</b> Fontaine<br>Moose mt., Alta.....  | 54 R 968<br>30 R 1035<br>48, 49 Mem 9<br>54 Mem 61 |
| Queen Charlotte islds., B.C. ?.....                                     | 85 R 434                            | <b>Cladophlebis falcata</b><br>SEE C. VIRGINIENSIS  |  |
| Two Creeks, Man.....  | 214 E V                             | <b>Cladophlebis falcata montanensis</b><br>SEE C. VIRGINIENSIS  |  |
| <b>Cinulia inflata</b> Gabb<br>Nanaimo r., V.I. ?.....                  | 40 (A) R 147<br>263 R 94            | <b>Cladophlebis fischeri</b> Knowlton<br>Groundhog coal basin, B.C.....   | 84, 358 SR 1911<br>409 SR 1912                     |
| <b>Cinulia obliqua</b> Gabb<br>Nanaimo group.....                       | 407 R 827                           | <b>Cladophlebis latifolia</b><br>SEE C. CONSTRICTA  |  |
| Vancouver and adjacent islds., B.C.                                     | 182 R 114<br>131 R 436<br>354 R 827 | <b>Cladophlebis oblongifolia</b><br>SEE C. BROWNIANA  |  |
| Gabriola is. ?.....   | 264 R 94                            | <b>Cladophlebis petiolata</b><br>SEE C. BROWNIANA   |  |
| Protection is.....  | 263 R 94                            | <b>Cladophlebis rotundata</b> Fontaine<br>Nordenskiöld r., Ykn.....   | 392 A XVI  |
| <b>Cinulia pusilla</b> Whiteaves<br>Skidegate inlet, B.C.....           | 306 R 706                           | <b>Cladophlebis skagitensis</b> Penhallow<br>Hozameen range, B.C.....   | 487, 817, 836 Mem 38                               |
| described and fig.....  | 217, 256, Pl 28 R 437               | <b>Cladophlebis sphenopteroides</b><br>SEE RUFFORDIA GÖPPERTI   |  |
| <b>Cinuliopsis typica</b> Whiteaves<br>Nanaimo group.....               | 407 R 827                           | <b>Cladophlebis vaccensis</b> Ward<br>Wheaton River dist., Ykn.....   | 207 SR 1915  |
| Sucia islds., B.C., described and<br>fig.....                           | 131, Pl 16 R 436                    |   |  |
| <b>Cionodon arcatus</b> Cope<br>Denver basin, Colo.....                 | 15 R 774                            |   |  |
| <b>Cionodon stenopsis</b> Cope<br>Belly r., Alta.....                   | 15 R 774                            |   |  |
| Sweet Grass hills, Alta.....  | 38 (C) R 167                        |   |  |

**Cladophlebis virgintensis** Fontaine

|                                 |                     |
|---------------------------------|---------------------|
| Banff area, Alta.....           | 30 R 1035           |
|                                 | 301 SR 1916         |
| Elk valley, B.C.....            | 49 Mem 9            |
| Groundhog coal basin, B.C.....  | 82, 84, 358 SR 1911 |
|                                 | 86, 408 SR 1912     |
| Moose Mountain dist., Alta..... | 30 R 1035           |
|                                 | 49 Mem 9            |
|                                 | 55 Mem 61           |
| Pimainus hills, B.C.....        | 137, 408 SR 1912    |

**Cladopora** sp

|                           |                   |
|---------------------------|-------------------|
| Alaska-Ykn. boundary..... | 68, 73 Mem 67     |
|                           | 28 SR 1911        |
|                           | 309 SR 1913       |
| Fossil mt., Alta.....     | 305 SR 1913       |
| Haldimand co., Ont.....   | 52, 56, 74 Mem 34 |
| Macdonald range, B.C..... | 116 Mem 38        |
| Wellington co., Ont.....  | 2 Bull 20         |

**Cladopora alpenensis** Rominger

|                                |            |
|--------------------------------|------------|
| Hamilton formation of Ont..... | 229 Mem 34 |
| Lambton co., Ont.....          | 164 Mem 34 |

**Cladopora bifurcata** Grabau

|                      |                |
|----------------------|----------------|
| Bruce co., Ont.....  | 278 Mem 34     |
| Essex co., Ont.....  | 279-282 Mem 34 |
| Oxford co., Ont..... | 274 Mem 34     |

**Cladopora canadensis**

SEE C. FRONDOSA

**Cladopora cervicornis** Hall

|                                  |                |
|----------------------------------|----------------|
| Laggan (near), Alta.....         | 46 Mem 9       |
| Lambe's views.....               | 423 R 659      |
| Red mt., Fraser r., B.C.....     | 272 SR 1909    |
| Timiskaming l., Ont. and Que.... | 287, 288 R 962 |
|                                  | 293, 294 I X   |

**Cladopora crassa** SEE COENITES CRASSUS**Cladopora cryptodens** Billings

|                                |                           |
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| Albany r., Ont.....            | 32 R 684                  |
| Bruce co., Ont.....            | 150 Mem 34                |
| Described and fig.....         | 31, 32 Pl 1 R 684         |
| Haldimand co., Ont.....        | 40, 52, 62, 68, 88 Mem 34 |
| Hamilton formation of Ont..... | 229 Mem 34                |
| Lambton co., Ont.....          | 164, 174 Mem 34           |
| Missinaibi r., Ont.....        | 32 R 684                  |
| Moose r., Ont.....             | 5 (c) R 125               |
|                                | 230 A XV                  |
| Norfolk co., Ont.....          | 97, 99 Mem 34             |
| Onondaga limestone of Ont..... | 241 Mem 34                |
| Red Deer r., Man.....          | 32 R 684                  |
| Welland co., Ont.....          | 18-33 Mem 34              |
| Yukon-Alaska boundary ?.....   | 81 Mem 67                 |
|                                | 314 SR 1913               |

**Cladopora dichotoma** Hall

|                                  |             |
|----------------------------------|-------------|
| Alaska-Ykn. boundary.....        | 81 Mem 67   |
|                                  | 313 SR 1913 |
| Winnepogosis Lake reg., Man..... | 257 SR 1912 |

**Cladopora expatata** Rominger

|                                |            |
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| Haldimand co., Ont.....        | 88 Mem 34  |
| Norfolk co., Ont.....          | 95 Mem 34  |
| Onondaga limestone of Ont..... | 241 Mem 34 |
| Welland co., Ont.....          | 23 Mem 34  |

**Cladopora fischeri** Billings

|                         |                      |
|-------------------------|----------------------|
| Described.....          | 33, 34 R 684         |
| Figured.....            | 393 R 50             |
| Horizon.....            | 121 R 443            |
|                         | 413 R 659            |
|                         | 241 Mem 34           |
| Lambton co., Ont.....   | 164, 170, 174 Mem 34 |
| Bosanquet tp.....       | 385 R 50             |
| Middlesex co., Ont..... | 158 Mem 34           |

**Cladopora francisci** Davis

|                                |            |
|--------------------------------|------------|
| Haldimand co., Ont.....        | 88 Mem 34  |
| Norfolk co., Ont.....          | 100 Mem 34 |
| Onondaga limestone of Ont..... | 241 Mem 34 |

**Cladopora frondosa** Nicholson

|                                |              |
|--------------------------------|--------------|
| Hamilton formation of Ont..... | 121 R 443    |
|                                | 413 R 659    |
|                                | 229 Mem 34   |
| described.....                 | 34, 35 R 684 |

**Cladopora frondosa** Nicholson—Continued

|                         |                      |
|-------------------------|----------------------|
| Lambton co., Ont.....   | 164, 170, 174 Mem 34 |
| Thedford.....           | 284 SR 1912          |
| Middlesex co., Ont..... | 158 Mem 34           |

**Cladopora imbricata** Rominger

|                                |               |
|--------------------------------|---------------|
| Onondaga limestone of Ont..... | 241 Mem 34    |
| Welland co., Ont.....          | 23, 33 Mem 34 |

**Cladopora labiosa** Billings

|  |                      |
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| Albany r., Ont.....                        | 33 R 684             |
| Delaware and Hamilton forma-<br>tions..... | 237 Mem 34           |
| Described.....                             | 32, 33 R 684         |
| Figured.....                               | 366 R 50             |
| Haldimand co., Ont.....                    | 30-92 Mem 34         |
| Huron co., Ont.....                        | 120, 126, 139 Mem 34 |
| Lambton and Middlesex cos., Ont..          | 158, 164 Mem 34      |
| Norfolk co., Ont.....                      | 95-100 Mem 34        |
| Onondaga limestone of Ont.....             | 241 Mem 34           |
| Oxford co., Ont.....                       | 110-112 Mem 34       |
| Welland co., Ont.....                      | 21-36 Mem 34         |

**Cladopora laqueata** Rominger

|                          |             |
|--------------------------|-------------|
| Manitoulin is., Ont..... | 279 SR 1912 |
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**Cladopora lichenoides** Winchell and

|   |            |
|---|------------|
| Marcy<br>Corniferous limestone of Ont., de-<br>scribed..... | 36 R 684   |
| Onondaga limestone of Ont.....                              | 241 Mem 34 |

**Cladopora magna** SEE C. CRYPTODENS**Cladopora multipora** Hall

|                                   |              |
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| Bathurst dist., N.B.....          | 41 Mem 18    |
| Anticosti is., Que.....           | 232 R 11     |
| Timiskaming l., Que., described.. | 29, 30 R 684 |

**Cladopora pinguis** Rominger

|                                |            |
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| Haldimand co., Ont.....        | 88 Mem 34  |
| Onondaga limestone of Ont..... | 241 Mem 34 |
| Welland co., Ont.....          | 33 Mem 34  |

**Cladopora prolifica** SEE C. LABIOSA**Cladopora pulchra** Rominger

|                                |                   |
|--------------------------------|-------------------|
| Haldimand co., Ont.....        | 52, 83 Mem 34     |
| Norfolk co., Ont.....          | 95, 97 Mem 34     |
| Onondaga limestone of Ont..... | 241 Mem 34        |
| Welland co., Ont.....          | 21, 23, 33 Mem 34 |

**Cladopora rimosa** Rominger

|                                |            |
|--------------------------------|------------|
| Onondaga limestone of Ont..... | 241 Mem 34 |
| Welland co., Ont.....          | 23 Mem 34  |

**Cladopora robusta** Rominger

|                                |               |
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| Haldimand co., Ont.....        | 83, 88 Mem 34 |
| Onondaga limestone of Ont..... | 241 Mem 34    |

**Cladopora roemeri** Billings

|                                |                      |
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| SEE ALSO erratum note.....     | 423 R 659            |
| Bruce co., Ont.....            | 143 Mem 34           |
| Hamilton formation of Ont..... | 121 R 443            |
|                                | 250 R 444            |
|                                | 413 R 659            |
|                                | 229 Mem 34           |
| described.....                 | 37 R 684             |
| Lambton co., Ont.....          | 164, 170, 174 Mem 34 |
| Bosanquet tp.....              | 385 R 50             |
| Middlesex co., Ont.....        | 158 Mem 34           |
| Peace r., Alta.....            | 37 R 684             |
|                                | 207, 248 R 444       |
|                                | 37 R 684             |

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reg., Man.....

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**Cladopora turgida** Rominger

|                                |            |
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| Bruce co., Ont.....            | 150 Mem 34 |
| Description.....               | 35 R 684   |
| Haldimand co., Ont.....        | 88 Mem 34  |
| Mackenzie r., Mack.....        | 423 R 659  |
|                                | 35 R 684   |
| Onondaga limestone of Ont..... | 241 Mem 34 |

**Cladoxylon**

|                                 |           |
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| America, notes by J. Dawson.... | 126 R 429 |
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| <b>Clathrochynchus trihedrus</b> Cope                 |                    |          |  |
| Montana.....  | 15                 | R 774    |  |
| <b>Clasaurus annectens</b> Marsh                      |                    |          |  |
| Converse co., Wyo.....                                | 15                 | R 774    |  |
| <b>Clastes</b> sp                                     |                    |          |  |
| Wood Mountain plateau, Sask.....                      | 37                 | Mem 89   |  |
| <b>Clathraria</b> SEE SIGILLARIA                      |                    |          |  |
| <b>Clathria delicata</b> Lambe                        |                    |          |  |
| Squirrel ck., P.E.I.....                              | 142                | A X      |  |
| <b>Clathrodictyon celluloseum</b>                     |                    |          |  |
| Nicholson and Murie                                   |                    |          |  |
| Onondaga limestone of Ont.....                        | 243                | Mem 34   |  |
| Welland co., Ont.....                                 | 30                 | Mem 34   |  |
| <b>Clathrodictyon crassum</b> Nicholson               |                    |          |  |
| Southampton isld., Kee, ?.....                        | 335                | R 905    |  |
| <b>Clathrodictyon fastigiatum</b>                     |                    |          |  |
| Nicholson   |                    |          |  |
| Glenelg tp., Ont.....                                 | 52                 | R 564    |  |
| Horizon.....  | 328                | R 950    |  |
| Little Current and Pagwachuan rivers, Ont.....        | 39                 | R 980    |  |
| Southampton is., Kee.....                             | 335                | R 905    |  |
| Timiskaming l., Ont.....                              | 123, 126           | R 962    |  |
|   | 125, 128           | I X      |  |
| <b>Clathrodictyon franklinense</b>                    |                    |          |  |
| SEE ACTINOSTROMA FRANKLINENSE                         |                    |          |  |
| <b>Clathrodictyon laxum</b>                           |                    |          |  |
| Winnipegosis and Manitoba lakes, Man.....             | 206                | E V      |  |
| <b>Clathrodictyon monte</b>                           |                    |          |  |
| Alaska-Ykn. boundary.....                             | 71                 | Mem 67   |  |
| <b>Clathrodictyon ostiolatum</b>                      |                    |          |  |
| (Nicholson)   |                    |          |  |
| Essex co., Ont.....                                   | 279-283            | Mem 34   |  |
| Guelph; Elora; Durham, Ont.....                       | 52                 | R 564    |  |
| Horizon.....  | 328                | R 950    |  |
| Manitoba l., Man.....                                 | 46                 | R 564    |  |
|   | 196                | E V      |  |
| Oxford co., Ont.....                                  | 274, 275           | Mem 34   |  |
| <b>Clathrodictyon regulare</b> Nicholson              |                    |          |  |
| Southampton is., Kee.....                             | 335                | R 905    |  |
| <b>Clathrodictyon reiforme</b>                        |                    |          |  |
| Nicholson and Murie                                   |                    |          |  |
| Arkona, Ont.....                                      | 368                | R 659    |  |
| Hamilton formation of Ont.....                        | 413                | R 659    |  |
|   | 230                | Mem 34   |  |
| <b>Clathrodictyon striatellum</b>                     |                    |          |  |
| (d'Orbigny)   |                    |          |  |
| Bartlett Mills, Ont.....                              | 368                | R 659    |  |
| Hamilton formation of Ont.....                        | 413                | R 659    |  |
|   | 230                | Mem 34   |  |
| Southampton is., Kee, ?.....                          | 335                | R 905    |  |
| Ykn-Alaska boundary.....                              | 70                 | Mem 67   |  |
| <b>Clathrodictyon variolare</b> (Von Rosen)           |                    |          |  |
| Anticosti is., Que.....                               | 15, 17             | Bull 3   |  |
| Bruce co., Ont. ?.....                                | 278                | Mem 34   |  |
| Essex co., Ont.....                                   | 279-283            | Mem 34   |  |
| Oxford co., Ont.....                                  | 274                | Mem 34   |  |
| <b>Clathrodictyon vesiculosum</b> Nicholson and Murie |                    |          |  |
| Alaska-Ykn. boundary.....                             | 70, 71             | Mem 67   |  |
| Anticosti is., Que.....                               | 9, 13-17           | Bull 3   |  |
| Manitoba l., Man.....                                 | 196                | E V      |  |
| Timiskaming l., Ont.....                              | 284, 285, 288, 291 | R 962    |  |
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| <b>Clathrograptus geinitzianus</b>                    |                    |          |  |
| SEE RETIOGRAPTUS GEINITZIANUS                         |                    |          |  |
| <b>Clathropora glomerata</b>                          |                    |          |  |
| SEE STICTOPORA ? GLOMERATA                            |                    |          |  |
| <b>Clathropora intertexta</b> Nicholson               |                    |          |  |
| Onondaga limestone of Ont.....                        | 243                | Mem 34   |  |
| <b>Clathrospira</b> sp                                |                    |          |  |
| Tennessee.....  | 161                | R 39     |  |
| <b>Clathrospira deloipeia</b> (Billings)              |                    |          |  |
| Guelph formation of Ont.....                          | 332                | R 564    |  |
|   | 332                | R 950    |  |
| Elora, Ont., described and fig.....                   | 155                | R 431    |  |
|   | 75, 76, P1         | 12 R 564 |  |
| <b>Clathrospira subconica</b> (Hall)                  |                    |          |  |
| Anticosti is., Que.....                               | 17                 | R 427    |  |
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| <b>Cleichenia kurriana</b> Dawson                     |                    |          |  |
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| <b>Cleioerinus magnificus</b> Billings                |                    |          |  |
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| <b>Cleioerinus sculptus</b> Springer                  |                    |          |  |
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| <b>Cleiothyridina</b> sp                              |                    |          |  |
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| <b>Cleiothyridina crassicaudalis</b>                  |                    |          |  |
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| <b>Cleiothyridina hirsuta</b>                         |                    |          |  |
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| <b>Cleiothyridina pectinifera</b> Sowerby             |                    |          |  |
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| <b>Cleiothyris squamosa</b>                           |                    |          |  |
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- Climacograptus caudatus** Lapworth  
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| <b>Clyonchia</b> sp                        |                    |
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| <b>Clisiophyllum conigerum</b> Rominger    |                    |
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| <b>Clisospira curiosa</b> Billings      |                      |
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| <b>Clitambonites piger</b>              |                      |
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| <b>Clitambonites diversus</b> (Shaler)  |                      |
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| <b>Clitambonites verneuili</b>          |                      |
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| <b>Clitambonites verneuili diversus</b> |                      |
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| <b>Clognograptus</b> sp                 |                      |
| Levis (near), Que.....                  | 52, 117 K III        |
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| Manitoulin is., Ont.....                      | 172, 173 R 63      |  |  |
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| <b>Coelospira plicatula</b> (Hall)            |                    |  |  |
| Anticosti is., Que.....                       | 254 R 11           |  |  |
| Manitoulin is., Ont.....                      | 320 R 50           |  |  |
| <b>Coenites crassus</b> (Rominger)            |                    |  |  |
| Manitoulin is., Ont.....                      | 279 SR 1912        |  |  |
| Timiskaming l., Ont. and Que.....             | 126, 286-288 R 962 |  |  |
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| <b>Coenites cryptodens</b> Billings           |                    |  |  |
| SEE ERRATUM NOTE.....                         | 426 R 659          |  |  |
| <b>Coenites juniperinus</b> Eichwald          |                    |  |  |
| Description and distribution.....             | 22, 23 R G 84      |  |  |
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| Nelson r., Man.....                           | 105 Mem 30         |  |  |
| Saskatchewan r., Man.....                     | 147-153, 202 P V   |  |  |
| Thorold, Ont.....                             | 323 R 50           |  |  |
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| Timiskaming l., Ont.....                      | 126, 286-288 R 962 |  |  |
|   | 128, 292-294 I X   |  |  |
| <b>Coenites labrosus</b> M.-Edwards and Haime |                    |  |  |
| Anticosti is., Que.....                       | 15, 17 Bull 3      |  |  |
| <b>Coenites laminatus</b> (Hall)              |                    |  |  |
| Manitoulin is., Ont.....                      | 279 SR 1912        |  |  |
| <b>Coenites lunatus</b> (Nicholson and Hinde) |                    |  |  |
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| Timiskaming l., Que.....                      | 28 R 684           |  |  |
|   | 287, 288 R 962     |  |  |
|   | 293, 294 I X       |  |  |
| <b>Coenites selwynii</b> Nicholson            |                    |  |  |
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| Hagersville and Port Colborne, Ont.....       | 29 R 684           |  |  |
| Huron shale of Ont.....                       | 228 Mem 34         |  |  |
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| SEE NEMAGRAPTUS GRACILIS                      |                    |  |  |
| <b>Coenograpthus (Pleurograptus) linearis</b> |                    |  |  |
| SEE PLEUROGRAPTUS LINEARIS                    |                    |  |  |
| <b>Coenograpthus surcularis</b>               |                    |  |  |
| SEE NEMAGRAPTUS GRACILIS SURCULARIS           |                    |  |  |
| <b>Coenostroma botryoideum</b>                |                    |  |  |
| SEE CLATHRODICTYON STRIATELLUM                |                    |  |  |
| <b>Coenostroma constellatum</b>               |                    |  |  |
| SEE STROMATOPORA CONSTELLATA                  |                    |  |  |
| <b>Coenostroma galtense</b>                   |                    |  |  |
| SEE STROMATOPORA GALTENSE                     |                    |  |  |
| <b>Coenostroma pustulosum</b> Grabau          |                    |  |  |
| Essex co., Ont.....                           | 279 Mem 34         |  |  |
| <b>Coleolus</b> sp                            |                    |  |  |
| Haldimand co., Ont.....                       | 50 Mem 34          |  |  |
| Welland co., Ont.....                         | 28 Mem 34          |  |  |
| <b>Coleolus crenatocinctus</b> Hall           |                    |  |  |
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| <b>Coleolus tenuicinctus</b> Hall             |                    |  |  |
| Delaware limestone of Ont.....                | 240 Mem 34         |  |  |
| Huron co., Ont.....                           | 123 Mem 34         |  |  |
| <b>Coleoprion</b> sp                          |                    |  |  |
| Stanbridge tp., Que.....                      | 139 J VII          |  |  |
| <b>Coleoprion tenuis</b> Hall                 |                    |  |  |
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| <b>Collisella patina</b> Escholtz             |                    |  |  |
| Queen Charlotte islds., B.C.....              | 201 (R) R 147      |  |  |
| <b>Collisella patina scutum</b>               |                    |  |  |
| Queen Charlotte islds., B.C.....              | 201 (R) R 147      |  |  |
| <b>Collisella pelta</b>                       |                    |  |  |
| Queen Charlotte islds., B.C.....              | 201 (R) R 147      |  |  |
| <b>Collisella persona</b>                     |                    |  |  |
| Queen Charlotte islds., B.C.....              | 201 (R) R 147      |  |  |
| <b>Colpomya faba</b> (Emmons)                 |                    |  |  |
| Bagot co., Que.....                           | 51 Mem 83          |  |  |
| Chambly co., Que.....                         | 150 J VII          |  |  |
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| Ordovician formations.....                    | 945 R 50           |  |  |
| Paquette rapids, Ont.....                     | 67 R 977           |  |  |
| St. Hyacinthe, Que.....                       | 151 J VII          |  |  |
|   | 55 Mem 83          |  |  |
| <b>Colpomya faba pusilla</b> Foerste          |                    |  |  |
| Chambly co., Que.....                         | 42 Mem 83          |  |  |
| <b>Columnaria</b>                             |                    |  |  |
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| <b>Columnaria</b> sp                          |                    |  |  |
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| Guelph, Ont.....                              | 337 R 50           |  |  |
| Manitoulin is., Ont.....                      | 101-122 Mem 83     |  |  |
| Nipissing l., Ont.....                        | 119, 294 R 962     |  |  |
|   | 121, 300 I X       |  |  |
|   | 124 R 962          |  |  |
|   | 126 I X            |  |  |
| Timiskaming l., Ont.....                      |                    |  |  |
| <b>Columnaria alveolata</b> Goldfuss          |                    |  |  |
| Alaska-Ykn. boundary.....                     | 67, 69 Mem 67      |  |  |
|   | 28 SR 1911         |  |  |
|   | 308 SR 1913        |  |  |
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| Lorraine formation.....                       | 938 R 50           |  |  |
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| Churchill.....                                | 91 F IX            |  |  |
| Horizon.....                                  | 38 F XI            |  |  |
| Minago r.....                                 | 20 F XIII          |  |  |
| Red r.....                                    | 57 (C) R 147       |  |  |
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| East Selkirk.....                             | 78, 81 F XI        |  |  |
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|   | 186 R 50                  |
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| Lanark co., Pakenham tp.....                  | 175 R 50                  |
| Nipigon l.....                                | 119 R 992                 |
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| Peel co.....                                  | 132 Mem 83                |
| Credit r.....                                 | 213 R 50                  |
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| McNab tp., described and fig..                | 98,99,Pl 6 R 712          |
| Stormont co., Cornwall tp.....                | 70 R 9                    |
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| Champlain seig., Champlain co.                | 22 R 10                   |
| Joliette.....                                 | 149 R 50                  |
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| <b>Columnaria alveolata</b> Hall              |                           |
| SEE C. HALLI                                  |                           |
| <b>Columnaria alveolata</b> Nicholson         |                           |
| Lard r., Que.....                             | 22 R 10                   |
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| <b>Columnaria alveolata rigida</b> (Billings) |                           |
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| St. John l., Que., described.....             | 107 R 39                  |
| <b>Columnaria blainvillei</b>                 |                           |
| SEE C. ALVEOLATA                              |                           |
| <b>Columnaria calcinea</b> (Nicholson)        |                           |
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| <b>Columnaria erratica</b>                    |                           |
| SEE C. (PALAEOPHYLLUM) STOKESI                |                           |
| <b>Columnaria galtensis</b>                   |                           |
| Guelph formation, Interlake pen.,             |                           |
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**Columnaria goldfussi**

SEE NYCTOPORA BILLINGSI

**Columnaria gothlandica**

SEE C. ALVEOLATA

**Columnaria halli** Nicholson

|                               |                   |
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| Allumette is., Que.....       | 60-66,70,71 R 977 |
| Figured.....                  | 139 R 50          |
| Lower Fort Garry, Man.....    | 133 R 615         |
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| Pointe Claire, Que.....       | 140 J VII         |
| St. John l., Que., fig.....   | Pl 6 R 712        |
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**Ontario**

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| Gloucester tp.....                | 69 G XII         |
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| Renfrew co.....                   | 34-37 R 977      |
| McNab tp.....                     | 82 J XIV         |
| Russell co., Rockland.....        | 141 J XII        |
| Simcoe co., Orillia N. tp.....    | 163 SR 1909      |
| Stormont co., Finch tp.....       | 257 A XIV        |
| Victoria co.....                  | 99 SR 1908       |
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**Columnaria herzeri** SEE C. CALIGINIA**Columnaria (Fletcheria) incerta**

SEE FLETCHERIA INCERTA

**Columnaria multiradiata**

SEE C. ALVEOLATA

**Columnaria parva**

SEE STYLARAEA PARVA

**Columnaria rigida**

SEE C. ALVEOLATA RIGIDA

**Columnaria rugosa**

SEE C. (PALAEOPHYLLUM) STOKESI

**Columnaria stellata** SEE C. ALVEOLATA**Columnaria (Palaephyllum) stokesi**

(Edwards and Haime)

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| Deschambault l., Sask.....        | 60 Mem 30             |
| Gravel r., Mack.....              | 37 R 1097             |
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| Paquette rapids, Ont.....         | 66 R 977              |
| Red r., Man. ?.....               | 78 F XI               |
| described and fig.....            | 152, 153, Pl 17 R 615 |
| St. John l., Que., described..... | 84, 167, 168 R 39     |
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| Trenton formation.....            | 938 R 50              |
| Wekusko l., Man.....              | 43 F XIII             |
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**Columnaria sulcata**

SEE C. ALVEOLATA

**Columnopora cribiformis**

SEE C. CRIBIFORMIS

**Columnopora rayi**

SEE CALAPOECIA CRIBIFORMIS

**Comarocystites punctatus** Billings

Compared with SPATOPORA ?

|                        |                   |
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| AREOLATA.....          | 21 R 438          |
| Ottawa, Ont.....       | 166 R 50          |
| described and fig..... | 61-63, Pl 5 Dec 3 |
| Trenton formation..... | 940 R 50          |

- Comatula** sp  
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- Comatula decanemos**  
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- Composita** sp  
Sydney, N.S..... 393 SR 1912  
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- Composita argentea** SEE SEMINULA ARGENTEA
- Composita madisonensis** (Girty)  
Fort Steele mg. div., B.C..... 160, 226 SR 1912
- Composita subquadrata**  
Liard r., Mack..... 18, 56 D IV
- Composita subtilita**  
Flathead valley, B.C..... 41 (B) R 167
- Composita trinuclea** Hall  
Alaska-Ykn. boundary..... 99 Mem 67  
Macdonald range, B.C..... 116 Mem 38
- Compsemys** sp  
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- Compsemys agnius**  
Sweet Grass hills, Mont..... 38 (C) R 167
- Compsemys imbricarius** Cope  
Montana..... 12 R 774
- Compsemys obscurus** Leidy  
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- Compsemys ogimus** Cope  
Compared with ADOCUS VARIOLOUS 40 R 774
- Compsemys victus** Leidy  
Montana..... 12, 17 R 774
- Comptonia** sp  
Kluane mg. dist., Ykn..... 207 SR 1915  
Quilchena, B.C..... 25 R 1013
- Comptonia columbiana**  
SEE C. DIFORME
- Comptonia cuspidata** Lesquereux  
Tulameen coal area, B.C..... 273 Mem 69  
Collins gulch..... 98 Mem 26
- Comptonia diforme** (Sternberg) Berry  
Kamloops l., B.C..... 45, 110, 128 R 1013  
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Tulameen area..... 45, 99, 100, 122 R 1013  
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- Comptonia dryandroides** Unger  
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Similkameen valley, B.C..... 19, 45, 46, 99, 121 R 1013
- Comptonia matheronianum**  
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- Comptonia obtusiloba**  
Miocene of Europe..... 46 R 1013
- Comptonia oeningensis**  
Miocene of Europe..... 46 R 1013
- Comptonia partita** (Lesquereux)  
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- Comptonia quilchenensis** Penhallow  
Quilchena, B.C..... 98, 113, 128 R 1013  
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- Conaspis oweni** SEE PTYCHOPARIA OWENI
- Conchicolites** SEE CORNULITES
- Conchicolites flexuosus**  
SEE CORNULITES FLEXUOSUS
- Conchicolites richmondensis**  
SEE CORNULITES RICHMONDENSIS
- Conchicolites (Ortonia) sublaevis**  
SEE CORNULITES (ORTONIA) SUBLAEVIS
- Conchidium** sp  
Alaska-Ykn. boundary..... 68 Mem 67  
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- Conchidium decussatum** (Whiteaves)  
Baffin is., Frank..... 81 A X  
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Fisher Branch and Hilbre, Man... 15, 17 Bull 21  
Moose l., Grass River dist., Man. 11, 22 FF XIII  
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- Conchidium greeni** Hall and Clarke  
Alaska-Ykn. boundary..... 68 Mem 67  
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- Conchidium knighti**  
SEE C. NETTELROTHI
- Conchidium nettelrothi** Hall and Clarke  
Bonaventure co., Que..... 444 R 50  
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- Conchidium occidentale** Hall  
Bentick tp., Ont..... 342 R 50  
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- Conchita rhomboidalis**  
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- Conchochele cretacea**  
SEE THYASIRA CRETACEA
- Conchochele disjuncta**  
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- Conchopeltis minnesotensis**  
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- Conchylolithus ammonites sacculus**  
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- Coniophis precedens** Marsh  
Denver basin, Colo..... 13 R 774
- Coniopteris burejensis** (Zalessky)  
Seward  
Bellevue, Alta..... 409 SR 1912
- Conocardium** sp  
Dalhousie (near), N.B..... 16 M III  
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- Conocardium antiquum** (Owen)  
Red River valley, Man..... 42 R 431  
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- Conocardium blumenbachii**  
SEE EUCHASMA BLUMENBACHI

**Conocardium cuneus** (Conrad)**Ontario**

|                          |                    |        |
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| Bruce co. ....           | 145, 151-154       | Mem 34 |
| Essex co. ....           | 205, 209, 213      | Mem 34 |
| Haldimand co. ....       | 38-94              | Mem 34 |
| Huron co. ....           | 121, 123, 127, 130 | Mem 34 |
| Kwataboahagan r. ....    | 230                | A XV   |
| Norfolk co. ....         | 96, 103            | Mem 34 |
| Onondaga limestone. .... | 246                | Mem 34 |
| Oxford co. ....          | 111, 112           | Mem 34 |
| Perth co. ....           | 116, 119           | Mem 34 |
| Welland co. ....         | 16, 19, 28, 31     | Mem 34 |

**Yukon**

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| Ykn.-Alaska boundary. .... | 80  | Mem 67  |
|                            | 313 | SR 1913 |

**Conocardium elegantulum** Billings

|                          |        |        |
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| described. ....          | 53     | R 427  |

**Conocardium immaturum** Billings

|                            |        |       |
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| Horizon. ....              | 946    | R 50  |
| Paquette rapids, Que. .... | 60, 67 | R 977 |
| described and fig. ....    | 41, 42 | R 431 |

**Conocardium monroicum** Grabau

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| Bruce co., Ont. ....  | 276, 278 | Mem 34 |
| Essex co., Ont. ....  | 283      | Mem 34 |
| Oxford co., Ont. .... | 275      | Mem 34 |

**Conocardium normale** Hall

|  |               |        |
|--|---------------|--------|
| Bruce co., Ont. ....                               | 142, 145, 148 | Mem 34 |
| Delaware and Hamilton forma-<br>tions of Ont. .... | 235, 239      | Mem 34 |
| Huron co., Ont. ....                               | 130, 155, 140 | Mem 34 |

**Conocardium ohioense** Meek

|   |                    |        |
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| Bruce co., Ont. ....                          | 142                | Mem 34 |
| Manitoba and Winnipegosis lakes,<br>Man. .... | 307                | R 445  |
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**Conocardium trigonale** Conrad

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| Bruce co., Ont., fig. ....           | 372, 375 | R 50  |
| Haldimand co., Ont. ....             | 370      | R 50  |
| Cayuga N. tp. ....                   | 361      | R 50  |
| Malden tp., Ont. ....                | 378      | R 50  |
| Moose r., Ont. ....                  | 6 (c)    | R 105 |
| Norfolk co., Ont. ....               | 370      | R 50  |

**Conocephale** SEE CONOCEPHALITES**Conocephalina** SEE CONOKEPHALINA**Conocephalites** sp

|                         |          |       |
|-------------------------|----------|-------|
| Newfoundland. ....      | 866      | R 50  |
| St. John co., N.B. .... | 136, 140 | R 83  |
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|                         | 53       | R 983 |

**Conocephalites adamsi**

SEE PTYCHOPARIA ADAMSI

**Conocephalites anafinus** Hall

|                            |    |       |
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**Conocephalites antiqatatus** Salter

|               |    |       |
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| Georgia. .... | 58 | R 431 |
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**Conocephalites arenosus**

SEE PTYCHOPARIA ADAMSI

**Conocephalites aurora**

SEE PTYCHOPARIA OUANGONDIANUS

**Conocephalites bayleyi**

SEE CONOCORYPHE BAYLEYI

**Conocephalites binodosus** Hall

|                            |    |       |
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| Potsdam of Wisconsin. .... | 59 | R 431 |
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**Conocephalites depressus** Shumard

|                         |    |       |
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| Burnet co., Texas. .... | 58 | R 431 |
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**Conocephalites diadematus** Hall

|                            |    |       |
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| Potsdam of Wisconsin. .... | 59 | R 431 |
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**Conocephalites elegans**

SEE CONOCORYPHE ELEGANS

**Conocephalites eos** Hall

|                            |    |       |
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| Potsdam of Wisconsin. .... | 59 | R 431 |
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**Conocephalites eryon** Hall

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**Conocephalites formosus**

SEE PTYCHOPARIA ROBBII

**Conocephalites gemini spinosus**

SEE CONOCORYPHE MATTHEWI

**Conocephalites hallii**

SEE PTYCHOPARIA ORESTES

**Conocephalites hamulus**

SEE LONCHOCEPHALUS HAMULUS

**Conocephalites matthewi**

SEE CONOCORYPHE MATTHEWI

**Conocephalites minor** Shumard

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**Conocephalites minutus**

SEE PTYCHOPARIA MINUTUS

**Conocephalites miser**

SEE PTYCHOPARIA MISER

**Conocephalites naetus** Hall

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| Potsdam of Wisconsin. .... | 59 | R 431 |
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**Conocephalites nasutus** Hall

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| Potsdam of Wisconsin. .... | 50 | R 431 |
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**Conocephalites neglectus**

SEE PTYCHOPARIA TENER

**Conocephalites optatus** Hall

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**Conocephalites orestes** Hartt

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| Porter bk. ....         | 31 (DD) | R 125 |
| Ratliffe bk. ....       | 139     | R 83  |

**Conocephalites ouangondianus**

Hartt

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| St. John co., N.B. .... | 135 | R 83 |
| Ratliffe bk. ....       | 139 | R 83 |

**Conocephalites oweni** SEE PTYCHOPARIA OWENI**Conocephalites patersoni** Hall

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| Potsdam of Wisconsin. .... | 59 | R 431 |
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**Conocephalites perseus** Hall

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| Potsdam of Wisconsin. .... | 59 | R 431 |
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**Conocephalites quadratus** Hartt

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| St. John co., N.B. .... | 135 | R 83 |
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**Conocephalites robbi** Hartt

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| Kings co., N.B., Caton is. .... | 141 | R 83 |
| St. John co., N.B. ....         | 135 | R 83 |
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**Conocephalites shumardi**

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| Potsdam of Wisconsin. .... | 59 | R 431 |
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**Conocephalites tener** Hartt

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| St. John co., N.B. .... | 135 | R 83 |
| Coldbrook. ....         | 138 | R 83 |

**Conocephalites teucer**

SEE PTYCHOPARIA TEUCER

**Conocephalites thersites**

SEE PTYCHOPARIA ORESTES THERSITES

**Conocephalites thompsoni**

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**Conocephalites vulcanus**

SEE PTYCHOPARIA VULCANUS

**Conocephalites winonus** Hall

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**Conocephalites zenkeri**

SEE PTYCHOPARIA ZENKERI

**Conoceras angulosum**

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**Conocoryphe bayleyi** Walcott

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| <b>Conocoryphe elegans</b> Walcott               |                |             |  |
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| <b>Conocoryphe (Ptychoparia)</b>                 |                |             |  |
| <b>gallatensis</b>                               |                |             |  |
| SEE PTYCHOPARIA OWENI                            |                |             |  |
| <b>Conocoryphe mathewi</b> Hartt                 |                |             |  |
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| Handford bk.....                                 | 31             | (DD) R 125  |  |
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| Figured.....                                     | 236            | R 50        |  |
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| <b>Conophrys pusilla</b>                         |                |             |  |
| SEE SHUMARDIA PUSILLA                            |                |             |  |
| <b>Conradella</b> SEE PHRAGMOLITES               |                |             |  |
| <b>Conradella compressus</b>                     |                |             |  |
| SEE PHRAGMOLITES COMPRESSUS                      |                |             |  |
| <b>Conradella pannosa</b>                        |                |             |  |
| SEE PHRAGMOLITES PANNOSUS                        |                |             |  |
| <b>Conradia</b> SEE DINOLOBUS                    |                |             |  |
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| SEE STELLIPORA ANTHELOIDEA                       |                |             |  |
| <b>Constellaria constellata plana</b>            |                |             |  |
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| <b>Constellaria florida plana</b> Ulrich         |                |             |  |
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| <b>Constellaria polystomella</b> Nicholson       |                |             |  |
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| <b>Conularia granulata</b> Hall                  |                |             |  |
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| <b>Conularia niagarensis</b> Hall                |                |             |  |
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| Tranquille r., B.C.....        | 30, 47, 100, 115 r 1013 |
| Wood Mountain dist., Sask..... | 45 Mem 89               |

**Corylus americana fossilis**

SEE C. AMERICANA

**Corylus grandifolia**

SEE C. MACQUARRII

**Corylus macquarrii** (Forbes) Heer

|                                  |                        |
|----------------------------------|------------------------|
| Horizon.....                     | 48, 119 r 1013         |
|                                  | 32 r 1035              |
|                                  | 830 Mem 38             |
| Horsefly r., B.C.....            | 27, 48, 97, 117 r 1013 |
| Kluane mg. dist., Ykn.....       | 206, 207 sr 1915       |
| Mackenzie basin, Mack.....       | 11 r 101               |
|                                  | 17 r 1013              |
|                                  | 126 b III              |
| Great Bear r.....                | 22 d IV                |
| North Saskatchewan r., Alta..... | 105 e II               |
| Pelly r., Ykn.....               | 126 b III              |
| Porcupine ck., Sask.....         | 11, 48 r 1013          |
| Red Deer r., Alta.....           | 14, 48, 128 r 1013     |
|                                  | 830 Mem 38             |
| Blindman r.....                  | 391 A XVI              |
| Little Red Deer r.....           | 126 e II               |
| United States and Europe.....    | 48 r 1013              |
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| Alaska.....                      | 126 b III              |

**Corylus rostrata** Ait

|                                |                    |
|--------------------------------|--------------------|
| Wood Mountain dist., Sask..... | 45 Mem 89          |
| Porcupine ck.....              | 11, 48, 128 r 1013 |

**Corylus rostrata fossilis**

SEE C. ROSTRATA

**Corynoides** sp

|                     |           |
|---------------------|-----------|
| Magog tp., Que..... | 133 j VII |
|---------------------|-----------|

**Corynoides calicularis** Nicholson

|                               |               |
|-------------------------------|---------------|
| Quebec city, Que.....         | 78 k III      |
| St. Nicholas (near), Que..... | 16, 118 k III |
| Stanstead tp., Que.....       | 17 j II       |
|                               | 133 j VII     |

**Corynotrypa dissimilis** (Vine)

|                         |              |
|-------------------------|--------------|
| Anticosti is., Que..... | 9, 13 Bull 3 |
|-------------------------|--------------|

**Corynotrypa elongata** (Vine)

|                         |           |
|-------------------------|-----------|
| Anticosti is., Que..... | 13 Bull 3 |
|-------------------------|-----------|

**Coscinnella cosciniformis** (Nicholson)

|                                |            |
|--------------------------------|------------|
| Hamilton formation of Ont..... | 231 Mem 34 |
|--------------------------------|------------|

**Coscinnella elegantula** (Hall and Clarke)

|                                |            |
|--------------------------------|------------|
| Hamilton formation of Ont..... | 231 Mem 34 |
|--------------------------------|------------|

**Coscinium** sp

|                         |           |
|-------------------------|-----------|
| Cayuga N. tp., Ont..... | 360 r 50  |
| Nipissing l., Ont.....  | 294 r 962 |
|                         | 301 i X   |

**Coscinium flabellatum**

|                                |          |
|--------------------------------|----------|
| Campement d'Ours is., Ont..... | 196 r 50 |
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**Coscinium proavus**

SEE GRAPTODICTYA PROAVA

**Coscinium striatum** Hall and Clarke

|                                |                |
|--------------------------------|----------------|
| Hamilton formation of Ont..... | 377, 414 r 650 |
|                                | 231 Mem 34     |
| Lambton co., Ont.....          | 165 Mem 34     |
| Welland co., Ont. ?.....       | 34 Mem 34      |

**Coscinopora** sp

|                        |           |
|------------------------|-----------|
| Nipissing l., Ont..... | 119 r 962 |
|                        | 121 i X   |

**Coscinopora sulcata** Owen

SEE RECEPTACULITES OWENI

**Cottus** sp

|                                   |          |
|-----------------------------------|----------|
| Greens ck., near Ottawa, Ont..... | 917 r 50 |
|-----------------------------------|----------|

**Cranaena romingeri** Hall

|                     |                 |
|---------------------|-----------------|
| Benmiller, Ont..... | 129 Mem 34      |
| Horizon.....        | 416 r 659       |
|                     | 233, 238 Mem 34 |
| Thedford, Ont.....  | 390 r 659       |

**Cranaia** sp

|                               |                      |
|-------------------------------|----------------------|
| Anticosti is., Que.....       | 7, 10, 12, 15 Bull 3 |
| Beauport (near), Que.....     | 39 l v               |
| Bécancour r., Que.....        | 119 k III            |
| Charlesbourg (near), Que..... | 21, 119 k III        |
| Clarence tp., Ont.....        | 143 j XII            |
| Essex co., Ont.....           | 283 Mem 34           |
| Fenelon Falls, Ont.....       | 260 sr 1911          |
| Kamouraska co., Que.....      | 130 r 68             |
| Mansfield tp., Que.....       | 64 r 977             |
| Rimouski co., Que.....        | 130 r 68             |
| St. John l., Que.....         | 157 Mem 83           |

**Cranaia acadensis** Hall

|                          |          |
|--------------------------|----------|
| Stonehouse bk., N.S..... | 75 r 440 |
|--------------------------|----------|

**Cranaia bella** Billings

|                        |               |
|------------------------|---------------|
| Gaspé cape, Que.....   | 13 (DD) r 154 |
| described and fig..... | 13, 15 r 432  |

**Cranaia corrugata**

SEE LICHENALIA CORRUGATA

**Cranaia crenistriata** Hall

|                                |            |
|--------------------------------|------------|
| Delaware limestone of Ont..... | 238 Mem 34 |
| Haldimand co., Ont.....        | 81 Mem 34  |
| Hamilton formation of Ont..... | 122 r 443  |
|                                | 415 r 659  |
| Huron co., Ont.....            | 233 Mem 34 |
|                                | 134 Mem 34 |
| Middlesex co., Ont.....        | 160 Mem 34 |
| Onondaga limestone of Ont..... | 245 Mem 34 |
| Perth co., Ont.....            | 125 Mem 34 |

**Cranaia favincola** Hall and Clarke

|                                |            |
|--------------------------------|------------|
| Hamilton formation of Ont..... | 233 Mem 34 |
| Middlesex co., Ont.....        | 160 Mem 34 |

**Cranaia filosa**

SEE SCHIZOCRANIA FILOSA

**Cranaia gregaria**

SEE PETROCRANIA HAMILTONIAE

**Cranaia hamiltoniae**

SEE PETROCRANIA HAMILTONIAE

**Cranaia pulchella** Hall and Clarke

|                                |            |
|--------------------------------|------------|
| Essex co., Ont.....            | 283 Mem 34 |
| Haldimand co., Ont.....        | 64 Mem 34  |
| Oriskany sandstone of Ont..... | 249 Mem 34 |

**Cranaia radicans**

SEE STROPHALOSIA RADICANS

**Cranaia scabiosa** Hall

|  |                    |
|--|--------------------|
| Manitoulin is., Ont., in Richmond formation..... | 90, 117-125 Mem 83 |
| St. John l., Que.....                            | 197 Mem 83         |

**Craniella hamiltoniae** Hall

SEE PETROCRANIA HAMILTONIAE

**Craniella logani**

SEE PETROCRANIA LOGANI

**Craniops squamiformis**

SEE PHELODOPS SQUAMIFORMIS

**Craspedophyllum archiaci** (Billings)

|                                |                 |
|--------------------------------|-----------------|
| Hamilton formation of Ont..... | 229 Mem 34      |
| Lambton co., Ont.....          | 164, 174 Mem 34 |
| Thedford.....                  | 284 sr 1912     |

**Craspedophyllum subcaespitosum**

(Nicholson)

|                                |            |
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| Hamilton formation of Ont..... | 229 Mem 34 |
| Lambton co., Ont.....          | 164 Mem 34 |

- Crassatella conradiana** Gabb  
 Horizon..... 408 R 827  
 Vancouver, Suclia, and Texada  
 islds., B.C..... 167 R 114  
 384 R 827  
 38 Mem 58  
 described and fig..... 160, Pl 18 R 436
- Crassatella conradiana cardinoides**  
 Equal to *ASTARTE TUSCANA*..... 160 R 436  
 Texada is., B.C..... 36 Mem 58  
 Vancouver and Suclia islds., B.C.  
 Comox coal area..... 98 Mem 96  
 described and fig..... 262, 267, Pl 1 R 194  
 160, Pl 18 R 436
- Crassatella conradiana tuscana**  
 Vancouver and Texada islds., B.C..... 384 R 827  
 38 Mem 58
- Crataegus columbiensis**  
 Horsefly r., B.C..... 27 R 1013
- Crataegus tranquilleensis** Penhallow  
 Horsefly r., B.C..... 97, 117, 128 R 1013  
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 Tranquille r., B.C..... 30, 100, 115 R 1013
- Crataegus tulameensis**  
 Similkameen basin, B.C..... 21, 100, 122, 128 R 1013  
 Tulameen r., fig..... 48 R 1013
- Crateripora lineata**  
 SEE *ESCHAROPORA FALCIFORMIS*
- Crateripora lineata expansa**  
 SEE *ESCHAROPORA FALCIFORMIS*
- Craterophyllum canadense**  
 SEE *CONOPHYLLUM CANADENSE*
- Cremacrinus articulatus** (Billings)  
 Kirkfield, Ont..... 25 Mem 15  
 Ottawa, Ont., described and fig... 51, Pl 4 Dec 4  
 Trenton formation..... 939 R 50
- Cremacrinus inaequalis** (Billings)  
 Kirkfield, Ont..... 25 Mem 15  
 Ottawa, Ont., described and fig... 51, Pl 4 Dec 4  
 Trenton formation..... 939 R 50
- Crenella elegantula** Meek and Hayden  
 Compared with *C. PARVULA*
- Crenella glandula** Totten  
 Montreal, Que..... 927 R 50
- Crenella nigra** Gray  
 Montreal, Que..... 927 R 50
- Crenella parvula** Whiteaves  
 Milk River ridge, Alta., described  
 and fig..... 57, Pl 9 R 442
- Creosaurus atrox** Marsh  
 Medicine Bow (near), Wyo. .... 8 R 870
- Crepicephalus** sp  
 Bosworth mt., B.C..... 72 Mem 55  
 Elko (near), B.C..... 125 Bull 2  
 317 SR 1913
- Crepicephalus augusta**  
 SEE *LONCHOCEPHALUS AUGUSTA*
- Crepicephalus centralis** SEE *PTYCHOPARIA OWENI*
- Crepicephalus iowensis**  
 SEE *LONCHOCEPHALUS IOWAENSIS*
- Crepicephalus liliana**  
 SEE *LONCHOCEPHALUS LILIANA*
- Crepicephalus oweni** SEE *PTYCHOPARIA OWENI*
- Crepicephalus quadrans**  
 SEE *PTYCHOPARIA QUADRANS*
- Crepidophyllum archiaci** (Billings)  
 Bosanquet tp., Ont..... 385 R 50  
 Corniferous limestone of Ont.,  
 described..... 155 R 712  
 Figured..... 383 R 50  
 Hamilton formation of Ont..... 121 R 443  
 413 R 659  
 described and fig..... 154, Pl 13 R 712
- Crepidophyllum archiaci** (Billings)—Continued  
 Onondaga limestone of Ont..... 241 Mem 34  
 Pelee is., Ont..... 210 Mem 34
- Crepidophyllum colligatum** Billings  
 Corniferous limestone of Ont. 155, 156, Pl 13 R 712  
 Haldimand and Norfolk cos., Ont. 369 R 50
- Crepidophyllum subcaespitosum**  
 Nicholson  
 Hamilton formation of Ont..... 413 R 659
- Crepidula fornicata** Linnaeus  
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- Crinoidea**  
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- Crinoidea** sp  
 Anticosti is., Que..... 222, 225 R 11  
 Hastings co., Ont..... 129 R 10  
 Ordovician, rept. by Billings..... Dec 4
- Crioceras latus** Gabb  
 Jackass mountain, B.C..... 109 (R) R 125  
 65 B VII
- Crioceras (Ancyloceras) rémondii**  
 SEE *ANCYLOCERAS RÉMONDI*
- Crisea eburnea** Ellis  
 Island of Montreal, Que..... 65 Mem 73
- Crisinella oeilensis** SEE *PROTOCRISINA EXIGUA*
- Cristellaria rotulata** Lamarek  
 Deloraine, Man..... 211 B V  
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- Crocodylus humilis** Leidy  
 Judith r., Mont..... 17 R 774  
 Mackay ck., Belly r., and Ross  
 coulee, Alta..... 13, 47 R 774  
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- Crocodylus prenasalis** Loomis  
 Cypress hills, Sask., described... 21 R 1020
- Crossopteryia** sp  
 Kings co., N.S..... 177 SR 1908
- Crossotheca (Sphenopteris)**  
*hoeninghausi* Brongniart  
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- Crotalocrinus** sp  
 Anticosti is., Que..... 15, 17 Bull 3  
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- Cruziana** sp  
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- Cruziana bilobata** SEE *RUSOPHYCUS BILOBA*
- Cruziana semiplicata**  
 Newfoundland..... 269 R 83
- Cruziana similis** Billings  
 Wabana iron beds, Nfld..... 22 Mem 78  
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- Cryphaeus** sp  
 Alaska-Ykn. boundary..... 80 Mem 67  
 313 SR 1913
- Cryphaeus boothi** SEE *DALMANITES BOOTHI*
- Crypta adunca** Sowerby  
 Graham is., B.C..... 87 (B) R 132  
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- Cryptobium californicum** LeConte  
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- Cryptobium cinctum** Scudder  
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- Cryptobium detectum** Scudder  
Scarborough, Ont., described and fig. . . . . 83, Pl 12 r 710
- Cryptobranchia concentrica** Midd.  
Queen Charlotte islds., B.C. . . . . 95 (B) R 132  
Virago sd. . . . . 21 B XVI
- Cryptocephalus punctatus** Scudder  
Similkameen r., B.C. . . . . 98 Mem 12  
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- Cryptoceras undatum**  
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- Cryptocrinites cerasus**  
Calycine pores absent. . . . . 43 Dec 3
- Cryptodon** sp  
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- Cryptodon gouldii** Philippi  
Island of Montreal, Que. . . . . 66 Mem 73  
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- Cryptograptus antennarius** (Hall)  
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222 SR 1913  
described and fig. . . . . 32, 112, Pl 13 Dec 2
- Cryptograptus marcidus** SEE  
C. TRICORNIS
- Cryptograptus tricornis** (Carruthers)  
Bathurst (near), N.B. . . . . 289 A XVI  
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Beaverfoot range, B.C. . . . . 23, 24 D II  
Glenogle. . . . . 101 Mem 55  
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- Cryptohypnus planatus** LeConte  
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- Cryptohypnus terrestris** Scudder  
Nicola r., B.C. . . . . 98 Mem 12  
described. . . . . 180 (B) R 125  
38 R 575
- Cryptolithus** sp  
Becaguimec r., N.B. . . . . 280 A XVI  
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343, 348-350 SR 1912  
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- Cryptolithus seticornis**  
Becaguimec r., N.B. . . . . 161 A XI
- Cryptolithus tessellatus** Green  
Clarence tp., Ont. . . . . 143 J XI  
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Grey co., Ont. . . . . 81 Mem 83  
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- Cryptolithus tessellatus** Green—Continued  
Quebec—Continued  
Quebec co. . . . . 57 Mem 83  
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St. Ambroise. . . . . 157 R 50  
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- Cryptonella calvini** SEE DIELASMA CALVINI
- Cryptonella eudora** SEE DIELASMA CALVINI
- Cryptonella fausta** Clarke  
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- Cryptonella iphis** Hall  
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Onondaga limestone of Ont. . . . . 245 Mem 34
- Cryptonella planirostris** Hall  
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- Cryptonymus mirus** SEE CYBELE MIRA
- Cryptonymus multisegmentatus**  
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- Cryptonymus ornatus**  
SEE ENCRINURUS ORNATUS
- Cryptonymus rariocostatus**  
SEE ENCRINURUS RARIOCOSTATUS
- Cryptonymus vigilans**  
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- Cryptophragmus antiquatus**  
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- Cryptozoon** sp  
Little Rideau, Ont. . . . . 140 J XII  
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- Ctenacanthus latispinosus**  
Campbellton, N.B. . . . . 9 (D) R 154
- Ctenichnites** sp  
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- Ctenichnites bisulcatus**  
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- Ctenobolbina ciliata** (Emmons)  
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- Ctenobolbina ciliata hammelli**  
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- Ctenobolbina hammelli** (Miller  
and Faber)  
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- Ctenocrinus** sp  
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- Ctenodonta** sp  
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74 G XI

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|   | 26 Mem 7             | <b>Ctenodonta gibberula</b> Salter      |                            |
| Chambly co., Que.....                   | 42 Mem 83            | Allumette is., Que.....                 | 60, 67 r 977               |
| Charlevoix co., Que.....                | 17 r 7               | described and fig.....                  | 38, Pl 8 Dec 1             |
| Dundas co., Ont.....                    | 314 r 50             | Bonnechère valley, Ont.....             | 57 r 977                   |
| Essex co., Ont.....                     | 282 Mem 34           | Carden tp., Ont.....                    | 191 sr 1910                |
| Gaspe co., Que.....                     | 439 r 50             | Ordovician formations.....              | 945 r 50                   |
| Huron co., Ont.....                     | 140 Mem 34           | Orillia N. tp., Ont.....                | 191 sr 1910                |
| Lambton co., Ont.....                   | 167 Mem 34           | <b>Ctenodonta gibbosa</b> (Hall)        |                            |
| Manitoulin is., Ont.....                | 121 Mem 83           | Figured.....                            | 176 r 50                   |
| Maskinonge co., Que.....                | 18 J XI              | New York state, horizon.....            | 156 r 39                   |
| Middlesex co., Ont.....                 | 160 Mem 34           | Ordovician formations.....              | 945 r 50                   |
| Millwood, Man.....                      | 213 r v              | <b>Ctenodonta iphigenia</b> Billings    |                            |
| Nanaimo r., V.I.....                    | 263 r 94             | Figured.....                            | 216 r 50                   |
| Newfoundland.....                       | 870 r 50             | Lorraine formation.....                 | 945 r 50                   |
| Nicolet co., Que.....                   | 25, 39 Mem 83        | Manitoulin is., Ont.....                | 102-111, 123, 125 Mem 83   |
| Peace r., Alta.....                     | 48, 58 d v           | described and fig.....                  | 152 r 431                  |
| Queen Charlotte islds., B.C.....        | 73 r 434             | <b>Ctenodonta levata</b> (Hall)         |                            |
| Graham is.....                          | 66 Mem 88            | Figured.....                            | 175 r 50                   |
| Rouville co., Que.....                  | 46 Mem 83            | New York state, horizon.....            | 156 r 39                   |
| St. Hilaire.....                        | 29 Mem 7             | Nipissing l., Ont.....                  | 295 r 962                  |
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| Russell co., Ont.....                   | 141 j XII            | Ordovician formations.....              | 945 r 50                   |
| St. John l., Que.....                   | 88 r 39              | St. Hyacinthe, Que.....                 | 151 j VII                  |
|   | 157 Mem 83           | <b>Ctenodonta logani</b> Salter         |                            |
| <b>Ctenodonta abrupta</b> Billings      |                      | Allumette rapids, Que.....              | 60, 63, 67 r 977           |
| Figured.....                            | 143, 175 r 50        | described and fig.....                  | 36, Pl 8 Dec 1             |
| Ordovician formations.....              | 945 r 50             | Bonnechère valley, Ont.....             | 57 r 977                   |
| Ottawa, and Paquette rapids,            |                      | Carden tp., Ont.....                    | 190 sr 1910                |
| Ont.....                                | 67 r 977             | Ordovician formations.....              | 945 r 50                   |
| described and fig.....                  | 46 r 431             | Orillia N. tp., Ont.....                | 190 sr 1910                |
| <b>Ctenodonta albertina</b> Ulrich      |                      | <b>Ctenodonta lorrainensis</b> Foerste  |                            |
| St. John l., Que. ?.....                | 157 Mem 83           | Chambly co., Que.....                   | 42 Mem 83                  |
| <b>Ctenodonta angela</b> Billings       |                      | New York state.....                     | 6 Mem 83                   |
| Newfoundland.....                       | 367 r 431            | Nicolet co., Que.....                   | 15, 24, 25, 31, 149 Mem 83 |
| described and fig.....                  | 221, 222 r 431       | Rouville co., Que.....                  | 44, 45 Mem 83              |
| <b>Ctenodonta astartaeformis</b> Salter |                      | Russell co., Ont.....                   | 65 Mem 83                  |
| Allumette is., Que.....                 | 60, 63, 67, 71 r 977 | <b>Ctenodonta machaeriformis</b> (Hall) |                            |
| described and fig.....                  | 39, Pl 8 Dec 1       | Niagara r., Ont.....                    | 184 sr 1913                |
| Bonnechère valley, Ont.....             | 57 r 977             | <b>Ctenodonta madisonensis</b> Ulrich   |                            |
| Figured.....                            | 175 r 50             | Manitoulin is., Ont.....                | 125 Mem 83                 |
| Horizon.....                            | 945 r 50             | <b>Ctenodonta nasuta</b> (Hall)         |                            |
| Montreal, Que.....                      | 146 j VII            | Allumette is., Que.....                 | 61, 63, 67, 70 r 977       |
| Winnipeg l., Man.....                   | 185 r 615            | described and fig.....                  | 35, Pl 8 Dec 1             |
|   | 43, 51 f XI          | Balsam l., Ont.....                     | 256 sr 1911                |
| figured.....                            | 175 r 50             | Bonnechère valley, Ont.....             | 57 r 977                   |
| <b>Ctenodonta breviscula</b> Billings   |                      | Carden tp., Ont.....                    | 255 sr 1911                |
| Nepean tp., Ont.....                    | 74 G XII             | Clearwater pt., Que.....                | 302 r 950                  |
| <b>Ctenodonta cingulata</b>             |                      | Fenelon Falls, Ont.....                 | 259 sr 1911                |
| Grey co., Ont. ?.....                   | 129 Mem 83           | Figured.....                            | 176 r 50                   |
| Manitoulin is., Ont. ?.....             | 113 Mem 83           | Horizon.....                            | 945 r 50                   |
| Peel co., Ont. ?.....                   | 134 Mem 83           | Mingan islds., Que.....                 | 134 r 50                   |
|   |                      |   | 446 r 491                  |
| <b>Ctenodonta contracta</b> Salter      |                      | Montreal, Que.....                      | 137 r 50                   |
| Allumette is., Que.....                 | 63, 67 r 977         |   | 146 j VII                  |
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**Cystodictya gilberti** Meek

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**Cystodictya incrassata** Hall

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**Cythere** sp

**Nova Scotia**

|                        |                      |
|------------------------|----------------------|
| Colchester co.....     | 27 R V               |
| Guysborough co.....    | 76 R II              |
| Inverness co.....      | 99, 109 (F) R 147    |
|                        | 56, 63, 64 (H) R 167 |
| Pictou coal field..... | 41, 78, 80, 382 R 68 |
| Richmond co.....       | 63 (F) R 147         |
| Sydney coal field..... | 199 R 101            |

**Ontario**

|                              |                    |
|------------------------------|--------------------|
| Frontenac co.....            | 113, 116, 117 R 10 |
| Glangarry co.....            | 71 R 9             |
| Hastings co.....             | 121 R 10           |
| Lennox and Addington co..... | 118-120 R 10       |
| Renfrew co.....              | 97 R 11            |
| Grattan tp.....              | 52 R 977           |
| Russell co.....              | 75 R 9             |
| Stormont co.....             | 70, 72 R 9         |

**Quebec**

|                      |          |
|----------------------|----------|
| Anticosti is.....    | 225 R 11 |
| Argenteuil co.....   | 19 R 9   |
| Beauharnois co.....  | 16 R 9   |
| L'Assomption co..... | 14 R 10  |
| Mingan islds.....    | 240 R 11 |
| Quebec co.....       | 31 R 10  |

**Cythere balthica**

SEE LEPERDITIA HISINGERI

**Cythere cincinnatensis**

SEE ELPE CINCINNATIENSIS

**Cythere (Beyrichia) punctulifera** Hall

|                         |           |
|-------------------------|-----------|
| Hamilton formation..... | 125 R 443 |
|-------------------------|-----------|

**Cytherea** sp

|                                  |             |
|----------------------------------|-------------|
| Graham is., B.C.....             | 46 SR 1913  |
| Vancouver is., B.C. (Nanaimo r.) | 321 SR 1913 |

**Cytherea (Callista) laciniata**

SEE MERETRIX NITIDA

**Cytherea leonensis** Conrad

|                   |           |
|-------------------|-----------|
| Nanaimo, B.C..... | 151 R 436 |
| Texas.....        | 188 R 436 |

**Cytherea leonensis** Etheridge

SEE MERETRIX NITIDA

**Cytherea nitida**

SEE MERETRIX NITIDA

**Cytherea (Caryatis) plana**

SEE MERETRIX NITIDA

**Cytherea sculpturata** Stoliczka

|                     |           |
|---------------------|-----------|
| Southern India..... | 148 R 436 |
|---------------------|-----------|

**Cytherea subtrigona** Whiteaves

|                                  |                |
|----------------------------------|----------------|
| Queen Charlotte islds., B.C..... | 290, 306 R 706 |
| Graham is.....                   | 33 B XVI       |
|                                  | 65, 66 Mem 88  |
| Vancouver is., B.C.....          | 171 SR 1906    |

**Cytherella** sp

|                           |             |
|---------------------------|-------------|
| Alaska-Ykn. boundary..... | 73 Mem 67   |
|                           | 311 SR 1913 |

**Cytherella ? rugosa** (Jones)

|                           |              |
|---------------------------|--------------|
| Paquette rapids, Ont..... | 58, 69 R 977 |
|---------------------------|--------------|

**Cytheridea mulleri** Münster

|                    |          |
|--------------------|----------|
| Montreal, Que..... | 928 R 50 |
|--------------------|----------|

**Cytherina alta**

SEE LEPERDITIA ALTA (Conrad)

**Cytherina cylindrica**

SEE LEPERDITIA CYLINDRICA

**Cytherina fabulites**

SEE LEPERDITIA FABULITES

**Cytherina phaseolus**

SEE LEPERDITIA PHASEOLUS

- Cytherina spinosa**  
SEE AECHMINA SPINOSA
- Cytherodon** sp  
Gaspe co., Que..... 23 (B) R 167
- Cytherodon ? placidus** Billings  
Arisaig, N. S., described and fig.  
137, 138, Pl 8 R 432
- Cytherodon sociale** Billings  
Arisaig, N.S., described and fig.  
138, 139, Pl 8 R 432
- Cytheropsis** sp  
Collingwood tp., Ont..... 211 R 50  
Windsor, Ont..... 211 R 50
- Cytheropsis cincinnatiensis**  
SEE ELPE CINCINNATIENSIS
- Cytheropsis concinna**  
SEE PRIMITIA MUTA
- Cytheropsis rugosa**  
SEE CYTHERELLA (?) RUGOSA
- Cytheropsis siliqua**  
SEE MACROCYPRIS ? SILIQUA
- D**
- Dadoxylon**  
SEE ALSO PALAEOXYLON  
Generic characters; age..... 15, 16 R 430  
Notes by J. Dawson..... 124, 125 R 429
- Dadoxylon** sp  
Joggins, N.S..... 24 R 154  
Queens and Sunbury cos., N.B.... 196 R 89  
St. John co., N.B..... 173 R 83
- Dadoxylon (Palaeoxylon) acadianum**  
Dorchester, N.B..... 214 R 83  
207 R 89  
28 M XIII  
Horizon, N.B. and N.S..... 17, 29, 35 R 430
- Dadoxylon annulatum**  
Horizon, N.B. and N.S..... 35 R 430
- Dadoxylon (Palaeoxylon) antiquum**  
Dawson  
Horizon..... 129 R 429  
Hortonville, N.S., described and  
fig..... 17, 18, Pl 1 R 430
- Dadoxylon clarkii** Dawson  
Canandaigua, N. Y..... 124, 125 R 429
- Dadoxylon edwardianum**  
St. John co., N.B..... 21 (D) R 132
- Dadoxylon halli** Dawson  
New York state..... 85, 87 R 428  
notes and fig..... 14, Pl 1 R 428
- Dadoxylon materiarium** Dawson  
Grand l., N.B..... 207 R 89  
28 M XIII  
Horizon, N.B. and N.S..... 17, 38 R 430  
Prince Edward is..... 127 R 429
- Dadoxylon newberryi** Dawson  
Ohio, described and fig..... 14, 85, 87, Pl 1 R 428
- Dadoxylon ouangondianum** Dawson  
Lepreau, N.B..... 177 R 83  
St. John, N.B..... 172 R 83  
85, 87 R 428  
124 R 429  
described and fig..... 12, 13, Pl 1 R 428  
notes..... 11, 85, 112, 114 Mem 41
- Daedalus archimedes** (Ringueberg)  
Thorold, Ont..... 184 SR 1913
- Dalmanella** sp  
Anticosti is., Que..... 14, 15 Bull 3  
Chambly co., Que..... 42 Mem 83  
Manitoulin is., Ont..... 84, 86, 88, 90, 125 Mem 83  
New York state..... 7 Mem 83  
Nicolet co., Que..... 23, 25, 30-39 Mem 83  
Quebec co., Que..... 57 Mem 83  
Rouville co., Que..... 45 Mem 83  
Russell co., Ont..... 62-66 Mem 83
- Dalmanella centrifineata** (Hall)  
New York state..... 8 Mem 83
- Dalmanella edgelliana**  
Arisaig dist., N.S. ?..... 67 Mem 60
- Dalmanella electra** (Billings)  
Levis, Que..... 862 R 50  
figured..... 231, 233 R 50  
and described..... 79, 80 R 431  
Newfoundland..... 869, 870 R 50  
66, 366 R 431  
Phillipsburg, Que..... 278 R 50  
123, 130 J VII  
81 K III
- Dalmanella elegantula** (Dalman)  
Alaska-Ykn. boundary..... 73 Mem 67  
309 SR 1913  
Anticosti is., Que..... 234, 254 R 11  
304, 306 R 50  
Arisaig dist., N.S..... 64-71 Mem 60  
Bathurst dist., N.B..... 41 Mem 18  
Bear r., Annapolis co., N.S..... 115 M IX  
Bonaventure co., Que..... 444 R 50  
Collingwood mt., Ont..... 278 SR 1912  
Dundas (near), Ont., fig..... 312, 315, 325 R 50  
Manitoulin is., Ont..... 106 Mem 83  
Niagara r., Ont..... 186 SR 1913  
Thorold, Ont..... 187 SR 1913  
Timiskaming l., Que..... 126, 289 R 962  
128, 295 I X
- Dalmanella elegantula media** (Shaler)  
Anticosti is., Que..... 15, 17 Bull 3  
described..... 41, 42, 74 R 427
- Dalmanella emacerata** Hall  
Ottawa valley, Ont. and Que..... 57 G XII  
355 SR 1911  
83 Bull 1  
Ste. Croix, Que..... 17, 119 K III  
Ste. Elizabeth (near), Que..... 16 J XI
- Dalmanella emacerata filosa**  
SEE D. EMACERATA
- Dalmanella (?) evadne** (Billings)  
Levis, Que..... 862 R 50  
described and fig..... 79, 81 R 431  
Stanbridge tp., Que..... 132 J VII
- Dalmanella gibbosa**  
SEE PIANODEMA SUBAEQUATA GIBBOSA
- Dalmanella jugosa** SEE D. MEEKI
- Dalmanella lenticularis** (Vanuxem)  
Haldimand co., Ont..... 85, 89 Mem 34  
Onondaga limestone of Ont..... 245 Mem 34
- Dalmanella meeki** (Miller)  
Anticosti is., Que. ?..... 41 R 427  
5, 7, 10, 18, Bull 3
- Dalmanella multisecta** (Meek)  
St. Bruno mt., Que..... 26 Mem 7  
170 SR 1906
- Dalmanella perelegans**  
Bloomington road, N.S..... 98 M IX
- Dalmanella perveta** Hall and Clarke  
SEE PIANODEMA SUBAEQUATA PERVETA
- Dalmanella planoconvexa**  
Jones bk., Kings co., N.B..... 166 R 83
- Dalmanella ? plicifera**  
SEE LEPTAENA INCRASSATA



**Dalmanella rogata** (Sardeson)

|                            |                  |
|----------------------------|------------------|
| Dalhousie, N.B.            | 15 M III         |
| Deschambault l., Sask.     | 60 Mem 30        |
| Figured                    | 165 R 50         |
| Horizon                    | 28 O XIV         |
| Manitoba. SEE BELOW        |                  |
| New York state             | 156 R 39         |
|                            | 75 R 427         |
|                            | 344, 345 SR 1912 |
|                            | 6, 9 Mem 83      |
| Nicholas l., Mack.         | 54 F IX          |
| Ontario and Que. SEE BELOW |                  |
| Southampton isld., Kee.    | 333 R 905        |
| Vermont                    | 275 R 50         |
|                            | 144 J VII        |

**Manitoba**

|                   |                 |
|-------------------|-----------------|
| East Selkirk      | 79 F XI         |
| Namew l.          | 15 F XIII       |
| Red r.            | 53 (c) R 147    |
| Stony mt.         | 50 (c) R 132    |
|                   | 121 R 564       |
|                   | 15 F XI         |
|                   | 249 SR 1912     |
| Trenton formation | 38 F XI         |
| Wekusko l.        | 43 F XII        |
| Winnipeg l.       | 39, 51, 61 F XI |

**Ontario**

|                                  |                    |
|----------------------------------|--------------------|
| Carleton co.                     |                    |
| Osgoode tp.                      | 220 R 50           |
| Ottawa dist.                     | 57-72 G XII        |
| Essex co., Windsor               | 211 R 50           |
| Georgian bay                     |                    |
| Owen Sound                       | 318 R 50           |
| Snake is.                        | 195 R 50           |
| Glengary co., Charlottenburg tp. | 70 R 9             |
| Hastings co.                     |                    |
| Moir r.                          | 186 R 50           |
| various                          | 121, 123, 130 R 10 |
| Lanark co., Pakenham             | 7, 84 J XIV        |
| Manitoulin is.                   | 117 R 5            |
|                                  | 217 R 50           |
| Northumberland co.               |                    |
| Seymour tp.                      | 129, 130 R 10      |
| Trent r.                         | 188 R 50           |
| Ontario co., Mara tp.            | 261 SR 1911        |
| Prescott co., L'Original         | 142 J XII          |
| Renfrew co., Paquette rapids     | 63, 67 R 977       |
| Russell co.                      |                    |
| Cambridge tp.                    | 72 R 9             |
| Fox ck.                          | 143 J VII          |
| Rockland                         | 141 J XII          |
| Russell tp.                      | 73 R 9             |
|                                  | 173 R 50           |
| Stormont co.                     |                    |
| Cornwall tp.                     | 70 R 9             |
|                                  | 172 R 50           |
| Osnabruck tp.                    | 72 R 9             |
|                                  | 173 R 50           |
|                                  | 191 R 50           |
| Victoria co.                     | 256-259 SR 1911    |
| Fenelon and Ops tps.             | 133 R 10           |
| York co., Georgina tp.           | 297 SR 1912        |

**Quebec**

|                           |               |
|---------------------------|---------------|
| Anticosti is.             | 251, 252 R 11 |
|                           | 12, 75 R 427  |
| Bagot co., St. Dominique  | 18 R 5        |
|                           | 141 J VII     |
| St. Pie.                  | 142 J VII     |
| Berthier co.              |               |
| St. Barthélemi (near)     | 18 J XI       |
| St. Cuthbert (near)       | 10-18 J XI    |
| Champlain co., Charest r. | 26 R 10       |
| Charlevoix co.            |               |
| Baie St. Paul             | 14 R 7        |
|                           | 160 R 50      |
| Murray Bay                | 163 R 50      |

**Dalmanella rogata** (Sardeson)—Continued  
**Quebec—Con.**

|                                   |                       |
|-----------------------------------|-----------------------|
| Châteauguay co., Allan Corners    | 137 J VII             |
| Gaspé co.                         |                       |
| Magdalen cape                     | 54 R 39               |
| Magdalen r.                       | 263 R 50              |
| Marsouin r.                       | 267 R 50              |
| Hochelaga co., Montreal           | 138, 139 R 50         |
|                                   | 145, 149 J VII        |
| Joliette co.                      |                       |
| Joliette                          | 147, 148 J VII        |
| St. Elizabeth (near)              | 16, 17 J XI           |
| Lake St. John dist.               | 157 Mem 83            |
| St. John l.                       | 84, 88, 89 R 39       |
|                                   | 220 R 50              |
| Laprairie co., St. Louis rapids   | 15 R 9                |
| L'Assomption co., St. Roch        |                       |
| L'Achigan                         | 13 R 10               |
|                                   | 146 R 50              |
| Levis co., St. Nicholas           | 16, 119 K III         |
| Lotbinière co.                    |                       |
| Chêne, rivière du                 | 203 R 50              |
| St. Croix                         | 17, 119 K III         |
| Maskinonge co., St. Justin (near) | 18 J XI               |
| Montmorency co.                   |                       |
| Friponne r.                       | 40 R 10               |
|                                   | 160 R 50              |
| Montmorency r.                    | 153 R 950             |
|                                   | 23, 24, 80, 119 K III |
|                                   | 40, 41 L V            |
| St. Anne r.                       | 38 R 10               |
|                                   | 199 R 50              |
|                                   | 45 L V                |
| Nicolet co.                       | 56 Mem 83             |
| Bécancour r.                      | 17 K III              |
| opposite Three Rivers             | 205 R 50              |
| Pontiac co., Mansfield tp.        | 65 R 977              |
| Portneuf co.                      |                       |
| Le Chevrotière seig.              | 27 R 10               |
| St. Alban                         | 35 L V                |
| St. Anne r.                       | 25 R 10               |
|                                   | 153 R 50              |
|                                   | 34 L V                |
|                                   | 37 L V                |
| St. Charles r.                    |                       |
| Quebec co.                        |                       |
| Beauport                          | 39 L V                |
| Cap Rouge                         | 19 K III              |
| Charlesbourg                      | 21, 119 K III         |
| Lorette; Pointe-aux-Trembles      | 18, 19, 119 K III     |
|                                   | 36 L V                |
| Montmorency Falls                 | 36 R 10               |
| St. Ambroise                      | 31 R 10               |
|                                   | 156 R 50              |
| Sillery                           | 331 A XV              |
| Rouville co.                      | 44, 49 Mem 83         |
| Abbotsford (near)                 | 143 J VII             |
| Caroline                          | 14 Mem 43             |
| Rougemont                         | 152 J VII             |
| St. Hyacinthe co.                 | 53, 55 Mem 83         |
| St. Hyacinthe                     | 151 J VII             |
| Yamaska co., Yamaska r.           | 151 J VII             |
|                                   | 50, 51 R 83           |

**Dalmanella rutida** (Billings)

|                    |           |
|--------------------|-----------|
| Anticosti is., Que | 42 R 427  |
| Described          | 10 Bull 3 |

**Dalmanella sancti-pauli**

|                        |             |
|------------------------|-------------|
| Kirkfield (near), Ont. | 189 SR 1910 |
|------------------------|-------------|

**Dalmanella subearinata** Hall

|                       |           |
|-----------------------|-----------|
| Arisaig dist., N.S. ? | 69 Mem 60 |
|-----------------------|-----------|

**Dalmanella testudinaria** SEE D. ROGATA**Dalmanella testudinaria emacrata**

SEE D. EMACRATA

- Dalmanella testudinaria meeki**  
SEE D. MEEKI
- Dalmanella testudinaria multisecta**  
SEE D. MULTISECTA
- Dalmania callicephala**  
SEE PTERYGOMETOPUS CALLICEPHALUS
- Dalmania caudata**  
SEE DALMANITES LIMULURUS
- Dalmania limulurus**  
SEE DALMANITES LIMULURUS
- Dalmania logani** Hall  
Stonehouse blc., N.S. .... 75 R 440
- Dalmanites** sp  
Alaska-Ykn. boundary ..... 74, 81 Mem 67  
310, 314 SR 1913
- Annapolis co., N.S. .... 98, 99 M IX  
Anticosti is., Que. .... 231, 304 R 50  
Arisaig dist., N.S. .... 60 Mem 60  
Bosanquet tp., Ont. .... 383 R 50  
Brome co., Que. .... 240 R 50  
135 J VII  
289 SR 1911
- Bruce co., Ont. .... 276 Mem 34  
Cross I., Man. .... 203 E V  
Dalhousie, N.B. .... 16 M III  
Essex co., Ont. .... 205 Mem 34  
Gaspé co., Que. .... 23, 24 (E) R 167  
12 M III
- Haldimand co., Ont. .... 370 R 50  
Henderson settlement, N.B. .... 17 G I  
Maine. .... 161, 163 R 83  
Montreal, Que. .... 105 Mem 72  
Nepean tp., Ont. .... 72 G XII  
Nipigon I., Ont. .... 353 R 68  
Norfolk co., Ont. .... 370 R 50  
Ste. Croix, Que. .... 17, 120 K III  
Saskatchewan r., Man. .... 150 E V
- Dalmanites achates**  
SEE PTERYGOMETOPUS ACHATES
- Dalmanites anchlops** Green  
Cayuga N. tp., Ont. .... 361 R 50  
Grifton r., Gaspé co., Que. .... 8 (DD) R 154  
Hagersville, Ont. .... 79 A V  
Percé, Gaspé co., Que. .... 9 (DD) R 154
- Dalmanites bebryx** Billings  
Figured. .... 187 R 50  
Hull tp., Que. .... 63 G XII  
Trenton formation. .... 952 R 50
- Dalmanites boothi** Green  
Hamilton formation. .... 125 R 443  
418 R 659
- Lambton co., Ont. .... 237 Mem 34  
Thedford. .... 284 SR 1912  
Middlesex co., Ont. .... 161 Mem 34
- Dalmanites callicephalus**  
SEE PTERYGOMETOPUS CALLICEPHALUS
- Dalmanites caudatus** Brünnich  
Anticosti is., Que. .... 14 Bull 3  
Dundas (near), Ont. .... 326 R 50  
Thorold, Ont. .... 322, 323 R 50
- Dalmanites erina** Hall  
Norfolk co., Ont. .... 104 Mem 34  
Onondaga limestone of Ont. .... 248 Mem 34
- Dalmanites helena** Hall  
Hamilton formation. .... 125 R 443  
Plympton tp., Ont. .... 119 R 443
- Dalmanites intermedius**  
SEE PTERYGOMETOPUS INTERMEDIUS
- Dalmanites limulurus** (Green)  
Back Bay, Charlotte co., N.B. .... 48, 49 M III  
Figured. .... 320 R 50
- Dalmanites macroura** Angelin  
Anticosti is., Que., notes. .... 61 R 427
- Dalmanites pleuropteryx** Conrad  
Gaspé co., Que. .... 391, 393, 439 R 50  
30 (E) R 167  
12 M III
- Dalmanites selenurus** Hall  
Haldimand and Welland cos., Ont. 19, 86 Mem 34  
Onondaga limestone of Ont. .... 248 Mem 34
- Dalmanites trisulcatus**  
Flamorough W. tp., Ont. .... 314 R 50
- Dammaria acicularis** Knowlton  
Red Deer r., Alta. .... 323 SR 1913
- Daonella iomanelli**  
Deadman r., B.C. ? ..... 134 SR 1912
- Daphnogene heeri**  
SEE CINNAMOMUM HEERI
- Daphnoceras felinus** Scott  
Cypress hills, Sask.  
jaw, described and fig. .... 62, Pl 7 R 1020
- Davallia (Stenoloma) tenuiflora**  
SEE DENNSTAEDTIA AMERICANA
- Dawsonia** sp  
Island of Orleans, Que. .... 59, 117 K III  
Levis, Que. .... 50, 117 K III  
St. Michel, Que. .... 66, 117 K III
- Dawsonia acuminata** Nicholson  
Island of Orleans, Que. .... 59, 117 K III
- Dawsonia campanulata**  
SEE AZYGOGRAPTUS SIMPLEX
- Dawsonites veter** Scudder  
Similkameen r., B.C. .... 128 Mem 12  
described and fig. .... 18, Pl 1 R 575
- Dawsonoceras annulatum** (Sowerby)  
Bruce and Essex cos., Ont. .... 333 R 50  
278, 284 Mem 34  
Wiarton. .... 230 SR 1912  
Canada, occurrences. .... 38 R 433  
Elora and Hespeler, Ont., notes. 10, 102 R 564  
Guelph formation of Ont. .... 339 R 950  
New York state, horizon. .... 158 R 39  
Thorold (near), Ont. .... 325 R 50
- Dawsonoceras annulatum americanum**  
SEE D. ANNULATUM
- Deinodon cristatus** Cope  
Montana. .... 13 R 774
- Deinodon explanatus** Cope  
Belly r., Alta.; Montana. .... 13 R 774  
Red Deer r., Alta., described and fig. .... 49, Pl 15 R 774
- Deinodon falcus** Cope  
Montana. .... 13 R 774
- Deinodon hazenianus** Cope  
Judith r., Mont. .... 13 R 774
- Deinodon horridus** Leidy  
Belly r., Alta.; Judith r., Mont. 13 R 774  
Red Deer r., Alta., described. .... 49 R 774
- Deinodon inersassatus** Cope  
Edmonton, Alta. .... 13 R 774
- Deinodon laeviformis** Cope  
Montana. .... 13 R 774
- Deinodon lateralis** Cope  
Montana. .... 13 R 774
- Deioceras python**  
SEE ACTINOCERAS (DEIO CERAS) PYTHON
- Dekayella robusta** SEE D. ULRICHI
- Dekayella ulrichi** (Nicholson)  
Manitoulin is., Ont. .... 84, 91 Mem 83  
Nicolet co., Que. .... 33, 40 Mem 83  
York co., Ont. .... 73 Mem 83

- Dekayella ulrichi robusta** SEE D. ULRICHI
- Dekayia** sp  
Nipissing l., Ont. .... 294 R 962  
300 I X
- Dekayia appressa** Ulrich  
Grey co., Ont. .... 80 Mem 83
- Dekayia pelliculata** Ulrich  
Manitoulin is., Ont. .... 84 Mem 83
- Dekayia ulrichi** SEE DEKAYELLA ULRICHI
- Delphinapterus leucas** Pallas  
Ottawa, Ont. .... 273 SR 1909
- Delphinapterus vermontanus**  
Pakenham, Ont. .... 171 SR 1906
- Delthyris** sp  
SEE ALSO SPIRIFER  
Bonnechère r., Ont. .... 66 R 3
- Delthyris acanthota**  
SEE SPIRIFER DISJUNCTUS
- Delthyris acuminata**  
SEE SPIRIFER ACUMINATUS
- Delthyris acutilirata**  
SEE PLATYSTROPHIA ACUTILIRATA
- Delthyris arenaria**  
SEE SPIRIFER ARENOSUS
- Delthyris arenosa**  
SEE SPIRIFER ARENOSUS
- Delthyris bialveata**  
SEE SPIRIFER (EOSPIRIFER) RADIATUS
- Delthyris brachynota**  
SEE PLATYSTROPHIA BIFORATA
- Delthyris chemungensis**  
SEE SPIRIFER DISJUNCTUS
- Delthyris congesta**  
SEE SPIRIFER GRANULOSUS
- Delthyris consobrina** d'Orbigny  
Athabaska r., Alta. .... 23 (cc) R 177  
Hamilton and Delaware forma-  
tions of Ont. .... 416 R 659  
233, 238 Mem 34  
Interlake pen., Ont. .... 115, 131, 136, 160 Mem 34  
Theford. .... 394, 395 R 659
- Delthyris crispa**  
SEE SPIRIFER (DELTHYRIS) CRISPUS
- Delthyris cuspidata** Hall  
SEE SPIRIFER DISJUNCTUS
- Delthyris decemplicatus**  
SEE SPIRIFER (DELTHYRIS) SULCATUS
- Delthyris duodenaria**  
SEE SPIRIFER DUODENARIUS
- Delthyris euryteines**  
SEE SPIRIFER EURYTEINES
- Delthyris fimbriata**  
SEE STROPHEODONTA FIMBRIATA
- Delthyris granulifera**  
SEE SPIRIFER GRANULOSUS
- Delthyris granulosa**  
SEE SPIRIFER GRANULOSUS
- Delthyris gregaria**  
SEE SPIRIFER GREGARIUS
- Delthyris inermis**  
SEE SPIRIFER DISJUNCTUS
- Delthyris lynx**  
SEE PLATYSTROPHIA BIFORATA  
P. LYNX
- Delthyris macropleura**  
SEE SPIRIFER MACROPLEURUS
- Delthyris niagarensis**  
SEE SPIRIFER NIAGARENSIS
- Delthyris perlamellosa** Hall  
Figured. .... 957 R 50  
Inglesville, N.S. .... 103 M IX  
Matane co., Que. .... 413 R 50  
Meadowvale (near), N.S. .... 104 M IX  
Nictaux-Torbrook dist., N.S. .... 99 M IX  
Sedgwick l., Me. .... 41 M III
- Delthyris perlatus**  
SEE SPIRIFER DISJUNCTUS
- Delthyris prolata**  
SEE SPIRIFER DISJUNCTUS
- Delthyris prora**  
SEE SPIRIFER ACUMINATUS
- Delthyris radiata**  
SEE SPIRIFER (EOSPIRIFER) RADIATUS
- Delthyris rariocosta** Conrad  
Figured. .... 372 R 50  
Gaspé co., Que. .... 14 (DD) R 154  
221 Mem 34  
Grand Grève, described and fig. 47, 48 Pl 3 R 432  
Interlake pen., Ont. .... 31, 54, 85, 102, 104, 127, 153, 221 Mem 34  
Goderich. .... \* 21 R 6  
Haldimand and Norfolk cos. .... 370 R 50  
Onondaga limestone of Ont. .... 245 Mem 34
- Delthyris rugatina**  
SEE SPIRIFER (DELTHYRIS) SULCATUS
- Delthyris ? rugicosta**  
SEE SPIRIFER (DELTHYRIS?)  
RUGICOSTA
- Delthyris sculptilis** Hall  
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**Favosites basalticus nanus** Grabau

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**Favosites billingsi** Rominger

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**Favosites concavus** Grabau

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<sup>1</sup>Typical *F. GOTHLANDICUS* is probably not represented in America. *F. FAVOSUS* and *F. NIAGARENSIS* are the principal American species identified as *F. GOTHLANDICUS* (Bassler's BIBLIOGRAPHIC INDEX)

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SEE DIDYMOGRAPTUS ARCUATUS
- Graptolithus bicornis**  
SEE CLIMACOGRAPTUS BICORNIS
- Graptolithus bifidus**  
SEE DIDYMOGRAPTUS BIFIDUS
- Graptolithus bigsbyi**  
SEE TETRAGRAPTUS SIMILIS
- Graptolithus bryonoides**  
SEE TETRAGRAPTUS SERRA
- Graptolithus caduceus**  
SEE DIDYMOGRAPTUS (ISOGRAPTUS) CADUCEUS
- Graptolithus clintonensis**  
SEE MONOGRAPTUS CLINTONENSIS
- Graptolithus constrictus**  
SEE DIDYMOGRAPTUS EXTENSUS
- Graptolithus crucifer**  
SEE TETRAGRAPTUS CRUCIFER
- Graptolithus denticulatus**  
SEE TETRAGRAPTUS DENTICULATUS
- Graptolithus divaricatus**  
SEE DICELLOGRAPTUS DIVARICATUS
- Graptolithus divergens**  
SEE AMPHIGRAPTUS DIVERGENS
- Graptolithus ensiformis**  
SEE TRIGONOGRAPTUS ENSIFORMIS
- Graptolithus extensus**  
SEE DIDYMOGRAPTUS EXTENSUS
- Graptolithus extenuatus**  
SEE DIDYMOGRAPTUS EXTENUATUS
- Graptolithus (Dichograptus) flaccidus**  
SEE LEPTOGRAPTUS FLACCIDUS
- Graptolithus (Dichograptus) flexilis**  
SEE CLONOGRAPTUS FLEXILIS
- Graptolithus foliaceus**  
SEE DIPLOGRAPTUS FOLIACEUS
- Graptolithus folium**  
SEE DIPLOGRAPTUS FOLIACEUS
- Graptolithus forchammeri**  
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- Graptolithus fruticosus**  
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- Graptolithus furcatus**  
SEE DICRANOGRAPTUS FURCATUS
- Graptolithus gemellae**  
SEE DIDYMOGRAPTUS GEMELLAE
- Graptolithus geminus**  
SEE DIDYMOGRAPTUS GEMINUS
- Graptolithus gracilis**  
SEE NEMAGRAPTUS GRACILIS SURCULARIS
- Graptolithus hallianus**  
SEE DENDROGRAPTUS HALLIANUS
- Graptolithus headi**  
SEE TETRAGRAPTUS HEADI
- Graptolithus hirundo**  
SEE DIDYMOGRAPTUS HIRUNDO
- Graptolithus indentus**  
SEE DIDYMOGRAPTUS INDENTUS
- Graptolithus logani**  
SEE LOGANOGRAPTUS LOGANI
- Graptolithus marcidus**  
SEE CRYTOGRAPTUS TRICORNIS
- Graptolithus milesi**  
SEE CLONOGRAPTUS MILESI
- Graptolithus mucronatus**  
SEE LASIOGRAPTUS MUCRONATUS
- Graptolithus multifasciatus**  
SEE AMPHIGRAPTUS MULTIFASCIATUS
- Graptolithus murchisoni**  
SEE DIDYMOGRAPTUS MURCHISONI
- Graptolithus nilsoni**  
SEE MONOGRAPTUS NILSSONI
- Graptolithus nitidus**  
SEE DIDYMOGRAPTUS NITIDUS
- Graptolithus octobrachiatus**  
SEE DICHOGRAPTUS OCTOBRACHIATUS
- Graptolithus octonarius**  
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- Graptolithus ovatus** Barrande  
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- Graptolithus palmeus**  
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- Graptolithus patulus**  
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- Graptolithus pennatulus**  
SEE DIDYMOGRAPTUS PENNATULUS
- Graptolithus (Diplograptus) peosta**  
SEE DIPLOGRAPTUS PEOSTA
- Graptolithus priodon** Chapman  
SEE MONOGRAPTUS CLINTONENSIS
- Graptolithus pristiniiformis**  
SEE DIPLOGRAPTUS DENTATUS

- Graptolithus pristin** Hall  
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DIPLOGRAPTUS FOLIACEUS  
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- Graptolithus putillus**  
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- Graptolithus quadribrachiatus**  
SEE TETRAGRAPTUS SERRA
- Graptolithus quadrimucronatus**  
SEE GLOSSOGRAPTUS (ORTHOGRAPTUS) QUADRIMUCRONATUS
- Graptolithus ramosus** Hall  
SEE DICRANOGRAPTUS RAMOSUS
- Graptolithus ramosus** Salter  
SEE DICRANOGRAPTUS RECTUS
- Graptolithus ramulus** Hall  
SEE TEMNOGRAPTUS RAMULUS
- Graptolithus richardsoni**  
SEE HOLOGRAPTUS RICHARDSONI
- Graptolithus rigidus**  
SEE CLONOGRAPTUS RIGIDUS
- Graptolithus sagittarius**  
SEE DIDYMOGRAPTUS SAGITTICULUS
- Graptolithus scalaris**  
SEE CLIMACOGRAPTUS SCALARIS
- Graptolithus serra**  
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- Graptolithus (Monoprion) serratulus**  
SEE DIDYMOGRAPTUS SERRATULUS
- Graptolithus setaceus**  
SEE GLOSSOGRAPTUS CILIATUS
- Graptolithus sextans**  
SEE DICELLOGRAPTUS SEXTANS
- Graptolithus similis**  
SEE DIDYMOGRAPTUS SIMILIS
- Graptolithus spinulosus**  
SEE GLOSSOGRAPTUS CILIATUS
- Graptolithus subtenuis**  
SEE DIDYMOGRAPTUS SUBTENUIS
- Graptolithus tentaculatus**  
SEE RETIOGRAPTUS TENTACULATUS
- Graptolithus tenuis**  
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- Graptolithus teretiusculus**  
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- Graptolithus testis**  
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- Graptolithus venosus**  
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- Griffithoides** sp  
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- Gryphaea calceola** Quenstedt  
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- Gryphaea vesicularis** Lamarck  
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- Gryphaea vesiculosa** Sowerby  
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- Gypidula comis** (Owen)  
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- Gypidula (Sieberella) galcata** (Dalman)  
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- Gypidula (Sieberella) galeata** (Dalman)—Con.  
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- Gypidula laeviuscula** Hall  
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- Gypidula occidentalis** SEE G. COMIS
- Gypidula pseudogaleata** (Hall)  
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- Gypidula romingeri** Hall and Clarke  
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- Gyraulus parvus** Say  
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- Gyrichnites** sp  
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- Gyrinus confinis** LeConte  
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- Gyroceras** sp  
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- Gyroceras americanum** Billings  
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- Gyroceras canadense** Whiteaves  
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- Gyroceras filicinctum** Whiteaves  
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- Gyroceras filitextum**  
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- Gyroceras logani** Meek  
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- Gyroceras numa** Billings  
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- Gyroceras submamillatum** Whiteaves  
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- Gyroceras (Lituites) vagrans**  
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- Gyrodes** sp  
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- Gyrodes canadensis** Whiteaves  
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- Gyrodes conradiana**  
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- Gyrodes excavata** Michelin  
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- Gyrodes spillmani** SEE G. EXCAVATA
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- Gyronema** sp  
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- Gyronema brevispira** Whiteaves  
 Ekwan r., Ont. . . . . 17, 51 F XIV  
 described and fig. . . . . 259, Pl 29 R 950
- Gyronema dowlingi** Whiteaves  
 Ekwan r., Ont. . . . . 17, 50 F XIV  
 described and fig. . . . . 259, Pl 29 R 950
- Gyronema semicarinatum** (Salter)  
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- Gyronema speciosum** Whiteaves  
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- Habela optata**  
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- Haimophyllum ordinatum**  
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- Haliphoebus alatus**  
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- Hallopora** sp  
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- Hallopora communis**  
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- Hallopora dalei** (M.-Edwards and  
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- Hallopora elegantula** (Hall)  
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- Hallopora magnopora** (Foerste)  
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- Hallopora oncalli** (James)  
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| Peace River pass., Alta. and B.C.                   | 32 C VII  |
| <b>Halysites agglomeratus</b> Hall                  |   |
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| Synonyms.....                                       | 327 R 950                                       |
| <b>Halysites agglomeratus compactus</b>             |   |
| SEE H. COMPACTUS                                    |   |
| <b>Halysites catenularia*</b> (Linnaeus)            |   |
| Alaska-Ykn. boundary.....                           | 69, 74 Mem 67<br>28 SR 1911                     |
| Bathurst dist., N.B.....                            | 308, 310 SR 1913                                |
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| Elmtree r., N.B.....                                | 19 (D) R 147                                    |
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| Wisconsin, described.....                           | 150 (F) R 615                                   |
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\* Or CATENULATUS

**Halysites catenularia** (Linnaeus)—Continued**Ontario**

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| Albany basin.....       | 38 R 980                |
| Attawapiskat r.....     | 248 R 950               |
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| Eastnor tp.....         | 332 R 50                |
| Ekwan r.....            | 248 R 950               |
|                         | 17 F XIV                |
| Elora.....              | 340 R 50                |
| Eramosa tp.....         | 330 R 50                |
| Guelph.....             | 331, 337 R 50           |
| Hespeler.....           | 340 R 50                |
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**Quebec**

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| Anticosti is.....   | 222, 232, 251, 254 R 11 |
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| Neigette falls..... | 17 M III                |
| Ouiatchouan r.....  | 86 R 39                 |
| Port Daniel.....    | 444 R 50                |
|                     | 48 R 564                |
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**Halysites catenularia amplitubulatus**

|   |                    |
|---|--------------------|
| Lambe   |                    |
| Anse à la Barbe and Anse-aux-Gascons par., Que., described and fig..... | 71, 76, Pl 4 R 684 |

**Halysites catenularia gracilis**

SEE H. GRACILIS

**Halysites catenularia microporus**

|   |                    |
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| (Whitfield)   |                    |
| Anticosti is., Que.; and Donald, B.C., described and fig..... | 70, 76, Pl 3 R 684 |
| Manitoulin l., Ont.....                                       | 48 R 564           |
|   | 280 SR 1912        |
| Timiskaming l. Ont.....                                       | 4 Bull 17          |

**Halysites catenularia nitidus** Lambe

|   |                    |
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| Anse à la Barbe, described and fig..... | 71, 76 Pl 4 R 684  |
| Neigette, Que., described.....          | 71, 76, Pl 4 R 684 |

**Halysites catenularia quebecensis**

|   |                    |
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| Lambe                                     |                    |
| St. John l., Que., described and fig..... | 69, 74, Pl 4 R 684 |

**Halysites catenularia simplex**

|  |                    |
|--|--------------------|
| Little Cascapedia r., Que., notes and fig..... | 70, 71, Pl 4 R 684 |
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**Halysites catenulatus**

SEE H. CATENULARIA

- Halysites compactus** Rominger  
 Columbia r., B.C., fig. . . . . . Pl 4 R 684  
 Description and distribution. . . . . 71-74 R 684  
 Elora and Hespeler, Ont. . . . . 2 R 433  
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     128, 293, 294 I X  
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- Halysites deschenianus** Göppert  
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- Halysites escharoides**  
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- Halysites gracilis**  
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- Haminea** sp  
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- Haminea hornii** Gabb  
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     77 A V
- Haminea occidentalis** Meek and  
 Hayden  
 Blood Indian ck., Alta. . . . . 45 R 442  
 Saskatchewan, southern. . . . . 61, 67 C I  
     32 Mem 89  
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 S. Saskatchewan r., Alta. . . . . 45 R 442
- Haminea solitaria** Say  
 Island of Montreal, Que. . . . . 66 Mem 73
- Hamites** sp  
 Hozameen range, B.C. ? . . . . . 488 Mem 38  
 Queen Charlotte islds., B.C. . . . . 305 R 706  
 described and fig. . . . . 48, Pl 9 R 434
- Hamites cylindraceus** Defrance  
 France and Denmark. . . . . 190 R 436  
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***Isotelus canalis*** Clarke SEE I. GIGAS

\*Under this name was included what is now Manitoba, and all the country westward from Man. to B.C. (C. Camsell).

***Isotelus canalis*** Grabau and Shimer

SEE ISOTELOIDES WHITFIELDI

***Isotelus florencevillensis***

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Compared with ASAPHUS NOTANS.

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- Leptaena profunda**  
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- Leptaena punctulifera**  
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**Leptaena striata**

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SEE STROPHOMENA SULCATA

**Leptaena tenuilineata**

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**Leptaena tenuistriata** Hall

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**Leptaena transversalis**

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**Ophileta (?) disjuncta**  
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**Orbicula lamellosa**  
 SEE *ORBICULOIDEA LAMELLOSA*

**Orbicula prima**  
 SEE *OBOLUS MATINALIS*

**Orbicula (?) squamiformis**  
 SEE *PHOLIDOPS SQUAMIFORMIS*

**Orbicula (?) subtruncata**  
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**Orbicula tenuilamellata**  
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| <b>Orbiculoidea lodiensis media</b> Hall<br>Hamilton formation of Ont.....                             | 234 Mem 34                                   | <b>Ornithomimus altus</b> Lambe<br>Belly r., Alta.....                         | 13 R 774  |
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| Elgin co., Ont.....  | 108 Mem 34                                   | Red Deer r., Alta.....   | 297 SR 1913<br>117 SR 1914                        |
| <b>Orbiculoidea subplana</b> (Hall)<br>Guelph, near, Ont., description and<br>photo.....               | 3, 5, 13, Pl 1 Bull 20                       | described and fig.....   | 50-53, Pls 13, 14 R 774                           |
| <b>Orbiculoidea</b> ( <b>Schizotreta</b> ?)<br><b>tenuilamellata</b><br>SEE SCHIZOTRETA TENUILAMELLATA |  | <b>Ornithomimus grandis</b><br>Montana.....                                    | 13 R 774  |
| <b>Orbignyella billingsi</b> (Foord)<br>Hull tp., Que.....   | 62 G XII                                     | <b>Ornithomimus minutus</b><br>Dakota.....                                     | 13 R 774  |
| described and fig.....   | 8, 9, Pl 1 R 438                             | <b>Ornithomimus sedens</b><br>Converse co., Wyo.....                           | 13 R 774  |
| <b>Orbignyella wetherbyi</b> (Ulrich)<br>Red River valley, Man.....                                    | 30 R 438<br>43 R 439<br>162 R 615<br>79 F XI | <b>Ornithomimus tenuis</b> Marsh<br>Montana.....                               | 13 R 774  |
| Winnipeg l., Man.....  | 45, 50 F XI                                  | <b>Ornithomimus velox</b> Marsh<br>Denver basin, Colo.....                     | 13 R 774  |
| <b>Orbulina universa</b><br>Island of Montreal, Que.....   | 65 Mem 73                                    | <b>Orophocrinus stelliformis</b> Owen<br>and Shumard<br>Notes by Billings..... | 119, 120, 125 R 432                               |
| <b>Orchestes avus</b> Scudder<br>Toronto, Ont., described and fig..                                    | 69, 89, Pl 13 R 710                          | <b>Orthidium gemmicula</b> (Billings)<br>Levis, Que.....                       | 862 R 50  |
| <b>Oreodon</b> sp<br>Cypress hills, Sask., scarce.....   | 21 R 446<br>84 C I                           | described and fig.....   | 75, 76 R 431                                      |
| <b>Oreodon culbertsoni</b> Leidy<br>Cypress hills, Sask.....   | 367 A XVI                                    | Levis formation.....   | 416 R 431   |
| <b>Oriostoma</b><br>SEE ALSO POLEUMITA<br>Guelph formation of Ont.....                                 | 337 R 950                                    | <b>Orthis</b><br>Horizon.....  | 328 R 950   |
| <b>Oriostoma globosum</b> Schlotheim<br>Cedar Hall, Que. ?.....  | 14 M III                                     | <b>Orthis</b> sp<br>Annapolis co., N.S.....                                    | 94, 104 M IX                                      |
| <b>Oriskania navicella</b> Hall and Clarke<br>Haldimand co., Ont.....                                  | 64 Mem 34                                    | Battle r., Peace r., Alta.....   | 131 (B) R 147                                     |
| Onondaga limestone of Ont.....   | 249 Mem 34                                   | Cape Breton co., N.S.....  | 12 (F) R 125                                      |
| <b>Ormoceras anceps</b><br>SEE GONIOCERAS ANCEPS   |  | Compared with Iowaensis from<br>Cleavater r., Alta.....                        | 105 R 108   |
| <b>Ormoceras bigsbyi</b><br>SEE ACTINOCERAS BIGSBYI  |  | Drummond is., L. Huron, U.S....  | 333 R 50  |
| <b>Ormoceras brongiarti</b><br>SEE ACTINOCERAS RICHARDSONI   |  | Hay r., Mack.....  | 92 R 440  |
| <b>Ormoceras lyoni</b><br>SEE ACTINOCERAS BIGSBYI  |  | Horizon.....   | 328 R 950   |
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| Simcoe co., Ont.....   | 100 SR 1910                                  | Vermont.....   | 282 R 50  |
| <b>Ormoceras tenuistriata</b><br>St. Ambroise, Que. ?.....   | 31 R 10                                      | Winnipegosis l., Man.....  | 66 R 101  |
| <b>Ormoceras whitei</b><br>SEE ACTINOCERAS WHITEI  |  | Saskatchewan r.....  | 293 R 50<br>147, 200 B V                          |
| <b>Ormoxylois erianum</b> Dawson<br>Schoharie co., N. Y.....   | 85, 87 R 428                                 | <b>New Brunswick</b>   |   |
| described and fig.....   | 14, 15, Pl 1 R 428                           | Charlotte co.....  | 160-165 R 83<br>324 R 114<br>49 M III<br>141 R 83 |
| <b>Ornithomimus</b> sp<br>Belly r., Alta.....  | 468 A XV                                     | Kings and St. John cos.....  | 1 (E) R 125<br>167 R 83<br>450 R 50               |
| Red Deer r., Alta.....   | 292 SR 1916                                  | Victoria co.....   | 44, 45 M III<br>9 N II                            |
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|  |  | Grey co.....   | 61 R 564  |
|  |  | Hastings co.....   | 130 R 10  |
|  |  | Huron co.....  | 376 R 50  |
|  |  | Manitoulin dist., Manitoulin is....  | 112, 113 R 68                                     |
|  |  | Northumberland co.....   | 187 R 50  |
|  |  | Patricia dist., Albany r.....  | 33 G II   |
|  |  | Attawapiskat r.....  | 245 R 950   |
|  |  | Ekwan r.....   | 41, 42 F XIV                                      |
|  |  | Fawn r.....  | 277 R 950   |
|  |  | Winisk r.....  | 272 R 950   |
|  |  | Perth co.....  | 378 R 50  |
|  |  | Prescott co.....   | 140 J XII   |
|  |  | Renfrew co.....  | 66 R 3  |
|  |  | Russell co.....  | 143 J XII   |
|  |  | Simcoe co.....   | 13 R 6  |



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|                     |           |
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| Timiskaming l. .... | 335 R 50  |
|                     | 4 Bull 17 |
| Wentworth co. ....  | 325 R 50  |
| York co. ....       | 68 R 1    |

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|                                 |                         |
|---------------------------------|-------------------------|
| Anticosti is. ....              | 220-228 R 11            |
| Beauce co. ....                 | 11 K III                |
| Bonaventure co. ....            | 444 R 50                |
| Châteauguay co. ....            | 115 J VII               |
| Gaspé co. ....                  | 301, 881, 885 R 50      |
|                                 | 30 (E) R 167            |
|                                 | 13 (F) R 167            |
|                                 | 12 M III                |
| Kamouraska co. ....             | 132, 133 R 68           |
| Laval co. ....                  | 115, 119 J VII          |
| Levis co. ....                  | 862 R 50                |
|                                 | 50, 53, 119 K III       |
| Maskinonge co. ....             | 19 J XI                 |
| Matane co. ....                 | 14 M III                |
| Missisquoi co. ....             | 240, 278, 287, 849 R 50 |
|                                 | 125-139 J VII           |
| Orleans is. ....                | 53 K III                |
| Pontiac co., Allumette is. .... | 50, 51 R 977            |
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| Rimouski co. ....               | 19 M III                |
| Témiscouata co. ....            | 133 R 68                |
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|                                 | 31-35 M III             |

**Orthis** (?) *acuminata* Billings

|                          |           |
|--------------------------|-----------|
| Caughnawaga, Que. ....   | 121 J VII |
| described and fig. ....  | 440 R 491 |
| Chazy formation. ....    | 944 R 50  |
| St. Dominique, Que. .... | 116 J VII |

**Orthis** (*Platystrophia*) *acutilirata*SEE *PLATYSTROPHIA ACUTILIRATA***Orthis** *aequalvalis*SEE *RHIPIDOMELLA UBERIS***Orthis** *alata* SEE *O. FLABELLITES***Orthis** *anticostiensis*SEE *DINORTHIS (PLAESIOMYS) PORCATA*  
*ANTICOSTIENSIS***Orthis** *apicalis* (Billings)

|                                      |                |
|--------------------------------------|----------------|
| Island of Orleans, Que. ....         | 83 K III       |
| Levis, Que., described and fig. .... | 301, 302 R 431 |
| Mystic, Que. ....                    | 130 J VII      |

**Orthis** *armanda* BillingsSEE *SYNTROPHIA* (?) *ARMANDA***Orthis** *aurelia*SEE *PLECTORTHIS AURELIA***Orthis** *aymara*SEE *ANOLOTHECA FLABELLITES***Orthis** *barabuensis*SEE *SYNTROPHIA BARABUENSIS***Orthis** *battis*SEE *HEBERTELLA BATTIS***Orthis** *bellarugosa*SEE *HEBERTELLA INSCULPTA***Orthis** *bicostatus*SEE *RETICULARIA BICOSTATA***Orthis** *biforata* BillingsSEE *PLATYSTROPHIA BIFORATA***Orthis** *biforata* NicholsonSEE *PLATYSTROPHIA LYNX***Orthis** *biforata acutilirata*SEE *PLATYSTROPHIA ACUTILIRATA***Orthis** *biforata dentata*SEE *PLATYSTROPHIA CRASSA***Orthis** (*Platystrophia*) *biforata lynx*SEE *PLATYSTROPHIA LYNX***Orthis** *billingsi*SEE *BILLINGSSELLA BILLINGSI***Orthis** *biloba*SEE *BILOBITES BILOBUS***Orthis** *bisulcata*SEE *CYCLOSTIRA BISULCATA***Orthis** *borealis* BillingsSEE *HEBERTELLA BOREALIS***Orthis** *calligramma* FoersteSEE *O. FLABELLITES***Orthis** *calligramma* Kayser

|                                     |           |
|-------------------------------------|-----------|
| Bois Brûlé mt., Rimouski co., Que.  | 18 M III  |
| Mann is., Timiskaming l., Ont. .... | 126 R 962 |
|                                     | 128 I X   |

**Orthis** *calligramma davidsoni*SEE *O. DAVIDSONI***Orthis** *canalis*SEE *DALMANELLA ELEGANTULA***Orthis** *carleyi*SEE *DINORTHIS CARLEYI***Orthis** *centrosa*SEE *PLATYSTROPHIA CRASSA***Orthis** *charlotte*SEE *DINORTHIS PECTINELLA***Orthis** *circularis*SEE *RHIPIDOMELLA CIRCULUS***Orthis** *circulus*SEE *RHIPIDOMELLA CIRCULUS***Orthis** *coloradoensis* MeekSEE *EOORTHIS DESMOPLEURA***Orthis** *coloradoensis* ShumardSEE *BILLINGSSELLA COLORADOENSIS***Orthis** *conradi* CastlenauSEE *HIPPARIONYX PROXIMUS***Orthis** *corianna* Billings

|                           |                |
|---------------------------|----------------|
| Stanbridge tp., Que. .... | 127, 132 J VII |
| described and fig. ....   | 301, 302 R 431 |

**Orthis** *costalis* Hall

|   |           |
|---|-----------|
| Compared with <i>O. tricenaria</i> . .... | 441 R 491 |
| St. Dominique, Que. ....                  | 116 J VII |

**Orthis** *costata* MillerSEE *PLATYSTROPHIA CRASSA***Orthis** (*Platystrophia*) *crassa*SEE *PLATYSTROPHIA CRASSA***Orthis** *cyclus*SEE *DALMANELLA EMACERATA***Orthis** *davidsoni* Verneuil

|                                    |                      |
|------------------------------------|----------------------|
| Anticosti is., Que. ....           | 304, 306 R 50        |
|                                    | 41, 74, 77 R 427     |
|                                    | 87 R 432             |
|                                    | 7, 10, 12, 14 Bull 3 |
| figured. ....                      | 312 R 50             |
| Bear r., Annapolis co., N.S. ....  | 115 M IX             |
| Bois Brûlé mt., Rimouski co., Que. | 18 M III             |
| Bonaventure co., Que. ....         | 444 R 50             |
| Ekwan r., Ont. ? ....              | 251 R 950            |
| Gaspe co., Que. ....               | 411 R 50             |
| Georgian bay, Ont. ....            | 319 R 50             |
| Manitoulin is., Ont. ....          | 320 R 50             |
|                                    | 173, 176 R 63        |
| Timiskaming l., Ont. ....          | 289 R 962            |
|                                    | 295 I X              |

**Orthis** (*Dinorthis*) *deflecta*SEE *DINORTHIS (VALCOUREA) DEFLECTA***Orthis** (?) *delicatula* Billings

|                    |           |
|--------------------|-----------|
| Newfoundland. .... | 366 R 431 |
| described. ....    | 217 R 431 |

**Orthis** (*Platystrophia*) *dentata*SEE *PLATYSTROPHIA CRASSA***Orthis** *desmopleura*SEE *EOORTHIS DESMOPLEURA***Orthis** *discus*SEE *RHIPIDOMELLA DISCUS*

**Orthis disparalis** Conrad  
SEE O. TRICENARIA

**Orthis disparilis** Owen  
SEE DALMANELLA TESTUDINARIA

**Orthis eboracensis**  
SEE DALMANELLA LENTICULARIS

**Orthis electra**  
SEE DALMANELLA ELECTRA

**Orthis elegantula**  
SEE DALMANELLA ELEGANTULA

**Orthis elliptica**  
St. John I., Que..... 84 R 39

**Orthis emacerata** Hall  
SEE DALMANELLA EMACERATA

**Orthis emineas**  
SEE RHIPIDOMELLA EMINENS

**Orthis (?) erratica**  
SEE ZYGOSPIRA ERRATICA

**Orthis (?) eryna** Hall  
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**Orthis (?) eudocia** Billings  
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**Orthis euryone** Billings  
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**Orthis evadne**  
SEE DALMANELLA (?) EVADNE

**Orthis flabella** SEE O. FLABELLITES

**Orthis flabellites** Foerste  
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**Orthis flabellulum (?)** Hall  
SEE O. FLABELLITES

**Orthis gemmicula**  
SEE ORTHIDIUM GEMMICULA

**Orthis gibbosa**  
SEE PLANODEMA SUBAEQUATA GIBBOSA

**Orthis halli**  
SEE ORTHOSTROPHIA STROPHOMENOIDES

**Orthis (?) highlandensis** Walcott  
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**Orthis hipparionyx**  
SEE HIPPARIONYX PROXIMUS

**Orthis hippolyte** Billings  
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**Orthis huxleyi**  
Anticosti is., Que..... 299, 300 R 50

**Orthis hybrida**  
SEE RHIPIDOMELLA HYBRIDA

**Orthis imperator**  
SEE HERBERTELLA IMPERATOR

**Orthis impressa**  
SEE SCHIZOPHORIA STRIATULA

**Orthis inaequalis**  
SEE SCHUCHERTELLA CHEMUNGENSIS

**Orthis incurvata**  
SEE STROPHOMENA FILITEXTA

**Orthis inflata** (Salter)  
SEE DINORTHIS (PLAESIOMYS)  
PORCATA ANTICOSTIENSIS

**Orthis insculpta**  
SEE HERBERTELLA (GLYPTORTHIS) INSCULPTA

**Orthis insularis**  
SEE TRIPLECIA INSULARIS ANTICOSTIENSIS

**Orthis interstriata**  
SEE SCHUCHERTELLA INTERSTRIATA

**Orthis iowaensis**  
SEE SCHIZOPHORIA IOWAENSIS

**Orthis iowaensis furnarius**  
SEE SCHIZOPHORIA STRIATULA

**Orthis iowaensis propinqua**  
SEE SCHIZOPHORIA STRIATULA

**Orthis iphigenia**  
SEE DINORTHIS (PLAESIOMYS) IPHIGENIA

**Orthis kassubae**  
SEE PLANODEMA SUBAEQUATA PERVETA

**Orthis kennicotti**  
SEE DINORTHIS CARLEYI

**Orthis lamellosa** Twenhofel  
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**Orthis (?) laurentina** Billings  
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41, 74 R 427  
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**Orthis lenticularis** Davidson  
SEE EOORTHIS (ORUSIA) LENTICULARIS

**Orthis lenticularis Vanuxem**  
SEE DALMANELLA LENTICULARIS

**Orthis lenticularis strophomenoides**  
SEE EOORTHIS (ORUSIA) LENTICULARIS

**Orthis lentiformis**  
SEE DALMANELLA LENTICULARIS

**Orthis limitaris**  
SEE LEIORHYNCHUS LIMITARE

**Orthis livia**  
SEE RHIPIDOMELLA LIVIA

**Orthis lorica**  
SEE DINORTHIS (VALCOURREA) DEBLECTA

**Orthis lucia**  
SEE RHIPIDOMELLA LUCIA

**Orthis lynx** Billings  
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- Orthis macfarlani**  
SEE SCHIZOPHORIA MACFARLANI
- Orthis manitobensis**  
SEE SCHIZOPHORIA MANTOBENSIS
- Orthis maria**  
SEE HEBERTELLA MARIA
- Orthis media Shaler**  
SEE DALMANELLA ELEGANTULA MEDIA
- Orthis media Winchell**  
SEE PIANODEMA SUBAEQUATA PERVETA
- Orthis meedsi**  
SEE DINORTHIS MEEDSI
- Orthis merope**  
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SEE HEBERTELLA OCCIDENTALIS SINUATA
- Orthis orthambonites**  
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- Orthis palmata**  
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- Orthis pepina**  
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- Orthis perelegans**  
SEE DALMANELLA PERELEGANS
- Orthis perversa**  
SEE SCHUCHERTELLA CHEMUNGENSIS  
PERVERSUS
- Orthis perveta Billings**  
SEE HEBERTELLA VULGARIS
- Orthis perveta Conrad**  
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- Orthis planconvexa**  
SEE DALMANELLA PLANCONVEXA
- Orthis platys**  
SEE DINORTHIS (PLAESIOMYS) PLATYS
- Orthis plicatella Hall**  
SEE PLECTORTHIS PLICATELLA
- Orthis plicatella White**  
SEE O. TRIGENARIA
- Orthis porcata**  
SEE DINORTHIS (PLAESIOMYS) PORCATA  
ANTICOSTIENSIS
- Orthis porcia**  
SEE CLITAMBONITES PORCIA
- Orthis pravus**  
SEE SCHUCHERTELLA CHEMUNGENSIS
- Orthis proavita**  
SEE DINORTHIS PROAVITA
- Orthis propinqua**  
SEE SCHIZOPHORIA PROPINQUA
- Orthis quadricostata**  
SEE HYATTIDINA CONGESTA
- Orthis quebecensis**  
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- Orthis resupinoides**  
SEE SCHIZOPHORIA RESUPINOIDES
- Orthis retrorsa**  
SEE DINORTHIS (PLAESIOMYS) RETRORSA
- Orthis rhynchonelliformis**  
SEE RHIPIDOMELLA UBERIS  
RHYNCHONELLIFORMIS
- Orthis robusta**  
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- Orthis striatula of authors**  
SEE SCHIZOPHORIA STRIATULA
- Orthis strophomenoides**  
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- Orthis (Dalmanella) subaequata conradi**  
SEE PIANODEMA SUBAEQUATA CONRADI
- Orthis (Dalmanella) subaequata gibbosa**  
SEE PIANODEMA SUBAEQUATA GIBBOSA
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**Orthoceras arcuoliratum** Hall

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**Orthoceras balteatum**

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|   | 252, 253 R 431 | <b>Orthoceras sedgwicki</b>                    |                 |
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| Smith cape, L. Huron, Ont.....                | 126 Mem 83     | <b>Orthoceras selkirkense</b> Whiteaves        |                 |
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| <b>Orthoceras proteiforme</b> Hall            |                | Mingan islds., Que.....                        | 134 R 50        |
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| (Quenstedt) Barrande                          |                | <b>Orthoceras sordidum</b> (Billings)          |                 |
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<sup>1</sup> Later described as *O. SKIDEGATENSIS*.



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**Pachydiscus neevesii Whiteaves**

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- Palaeaster matutina**  
SEE HUDSONASTER MATUTINUS
- Palaeaster parviusculus**  
SEE MESOPALAEASTER PARVIUSCULUS
- Palaeaster pulchellus**  
SEE URASTERELLA PULCHELLA
- Palaeasterina rigidus**  
SEE PETRASTER RIGIDUS
- Palaeasterina rugosus**  
SEE HUDSONASTER RUGOSUS
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- Palaeochorda** sp  
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- Palaeocoma spinosa**  
SEE TAENIASTER SPINOSUS
- Palaeoconcha** SEE CTENODONTA
- Palaeocorystes broderipi** Mantell  
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- Palaeocrinus**  
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- Palaeocrinus angulatus** (Billings)  
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- Palaeocrinus pulchellus** Billings  
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- Palaeocrinus rhombiferus** Billings  
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- Palaeocrinus striatus** Billings  
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real, Que., described and fig.... 25, Pl 1 Dec 4  
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- Palaeocyclus** sp.  
Drowning r., Ont..... 36 R 980  
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- Palaeocyclus porpita**  
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- Palaeocyclus rotuloides** Hall  
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- Palaeocystis** SEE PALAEOCYSTITES
- Palaeocystites** sp  
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- Palaeocystites chapmani**  
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- Palaeocystites dawsoni** Billings  
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- Palaeocystites pulcher** Billings  
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- Palaeocystites tenuiradiatus** (Hall)  
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| Gravel r., Mack.....                     | 37 R 1097        |
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| Stony mt., Man.....                      | 45, 49 (c) R 132 |
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**Palaeoglossa** SEE LINGULA**Palaeolagus brachyodon** Matthew

|                              |           |
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| Pipestone springs, Mont..... | 369 A XVI |
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**Palaeolagus haydeni** Leidy

|  |                 |
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| Cypress hills, Sask., described and fig..... | 58, Pl 8 R 1020 |
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**Palaeolagus temnodon**

|                              |           |
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| Pipestone springs, Mont..... | 369 A XVI |
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**Palaeolagus turgidus** Cope

|  |                |
|--|----------------|
| Cypress hills, Sask.; Dak. and Colo..... | 80 C I         |
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**Palaeoocera quadrata** Gabb

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**Palaeoneilo** sp

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| Athabaska r., Alta..... | 241 R 444     |
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**Palaeoneilo emarginata** (Conrad)

|                                |            |
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| Hamilton formation of Ont..... | 235 Mem 34 |
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**Palaeoneilo plana** (Conrad)

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| Hamilton formation of Ont..... | 235 Mem 34 |
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**Palaeoniscus** sp

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| Albert co., N.B.....        | 206 R 83       |
| Albert shales.....          | 357, 358 R 114 |
| Arisaig pen., N.S.....      | 72 P II        |
| Kings co., N.B.....         | 16 (D) R 132   |
| Sydney coal field, N.S..... | 199 R 101      |

**Palaeoniscus alberti** Jackson

|                                   |                      |
|-----------------------------------|----------------------|
| Albert Mines, N.B.....            | 14-16, 19 R 1109     |
| described and fig.....            | 18, 19, 38, 41 Mem 3 |
| Allied to RHADINICHTHYS CARINATUS | 15 Mem 3             |

**Palaeoniscus browni** Jackson

|                        |                   |
|------------------------|-------------------|
| Albert Mines, N.B..... | 14, 15, 23 R 1109 |
| described and fig..... | 23, 38 Mem 3      |

**Palaeoniscus cairnsi** Jackson

|                                   |              |
|-----------------------------------|--------------|
| Albert shales, N.B.....           | 14-16 R 1109 |
| Allied to RHADINICHTHYS CARINATUS | 15 Mem 3     |
| Figured.....                      | 38 Mem 3     |

**Palaeoniscus decorus**

|                               |           |
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| Compared with P. BROWNII..... | 23 R 1109 |
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**Palaeoniscus jacksoni** Dawson

|                        |                  |
|------------------------|------------------|
| Hillsborough, N.B..... | 15 R 1109        |
| notes, fig.....        | 28, 29, 38 Mem 3 |

**Palaeoniscus modulus**

|                    |               |
|--------------------|---------------|
| Albert shales..... | 15, 16 R 1109 |
|                    | 18 (D) R 132  |

**Palaeophycus** sp

|                         |          |
|-------------------------|----------|
| Alpena (near), N.S..... | 94 M IX  |
| Nepean tp., Ont.....    | 74 G XII |
| River Philip, N.S.....  | 15 P V   |
| St. John co., N.B.....  | 140 R 83 |

**Palaeophycus articulatus**

|                    |          |
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| Sauk co., Wis..... | 59 R 431 |
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**Palaeophycus beauharnoisense**

|                                   |           |
|-----------------------------------|-----------|
| Billings                          |           |
| Beauharnois, Que., described..... | 98 R 431  |
|                                   | 114 J VII |
| CalCIFEROUS formation.....        | 937 R 50  |

**Palaeophycus beverleyense** Billings

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| Bastard tp., Ont., described and fig..... | 97 R 431 |
| Beverley and S. Crosby tps., Ont.         | 76 G XII |
| Ordovician formations.....                | 937 R 50 |

**Palaeophycus congregatus** Billings

|                                |          |
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| Compared with P. BEVERLEYENSIS | 97 R 431 |
| Potsdam group.....             | 937 R 50 |
| Vermont.....                   | 80 R 427 |
|                                | 59 R 431 |
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**Palaeophycus funiculus** Billings

|   |          |
|---|----------|
| CalCIFEROUS formation.....                            | 937 R 50 |
| Edwardsburg tp.,* Grenville co., Ont., described..... | 98 R 431 |

**Palaeophycus incipiens** Billings

|                    |                |
|--------------------|----------------|
| Newfoundland.....  | 366, 371 R 431 |
| described.....     | 2 R 431        |
| Potsdam group..... | 937 R 50       |
| Vermont.....       | 481 R 50       |
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**Palaeophycus informis**

|                    |          |
|--------------------|----------|
| Sauk co., Wis..... | 59 R 431 |
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**Palaeophycus irregulare** Hall

|                            |          |
|----------------------------|----------|
| CalCIFEROUS formation..... | 937 R 50 |
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**Palaeophycus obscurum** Billings

|                              |          |
|------------------------------|----------|
| Ottawa, Ont., described..... | 98 R 431 |
|                              | 61 G XII |
| Trenton formation.....       | 937 R 50 |

**Palaeophycus tubulare** Hall

|                            |           |
|----------------------------|-----------|
| Beauharnois, Que.....      | 114 J VII |
| CalCIFEROUS formation..... | 937 R 50  |

**Palaeophyllum** SEE COLUMNARIA**Palaeophyllum divaricans**

SEE STREPTELASMA DIVARICANS

**Palaeophyllum rugosum**

SEE COLUMNARIA (PALAEOPHYLLUM) STOKESI

**Palaeopora megastoma**

SEE HELIOLITES MEGASTOMA

**Palaeopteria**

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| Name wrongly applied to ARCHAEOPTERIS..... | 42 R 430 |
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**Palaeopteria acadica** Dawson

|                                  |                 |
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| Gardiner ck., N.S., figured..... | 34, Pl 10 R 430 |
| New Brunswick and N.S., horizon  | 37 R 450        |

**Palaeopteria hartti** Dawson

|                                 |           |
|---------------------------------|-----------|
| Grand l., N.B.....              | 28 M XIII |
| Coal ck.....                    | 215 R 83  |
| New Brunswick and N.S., horizon | 37 R 450  |

**Palaeopteria parvula** Whiteaves

|                        |                       |
|------------------------|-----------------------|
| Winnipeg l., Man.....  | 43, 51, 76 F XI       |
| described and fig..... | 181, 182, Pl 20 R 615 |

**Palaeoptysma venosa** Soudder

|                          |                |
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| Similkameen r., B.C..... | 128 Mem 12     |
| described and fig.....   | 21, Pl 1 R 575 |

**Palaeoscincus asper** Lambe

|  |                 |
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| Belly r., Alta.....                              | 13 R 774        |
| Red Deer r., Alta., tooth described and fig..... | 54, Pl 17 R 774 |

**Palaeoscincus costatus** Leidy

|                                      |              |
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| Belly r., Alta., Judith r., Mont.... | 13, 17 R 774 |
| Red Deer r., Alta.....               | 53, 54 R 774 |

**Palaeoscincus latus** Marsh

|                        |          |
|------------------------|----------|
| Converse co., Wyo..... | 13 R 774 |
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\* Report says Edwardstown in the county of Napierville, but this is probably an error.—F.N.

- Palaeotrochus kearneyi**  
Hagersville, Ont. .... 78 A v
- Palaeotrochus major**  
Waverly dist., N.S. .... 71 Mem 20
- Palaeotrochus minor**  
Waverly dist., N.S. .... 71 Mem 20
- Palaeoxylon** SEE ALSO DADOXYLON  
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- Palaeozamia megaphylla**  
SEE ZAMITES MEGAPHYLLUS
- Palaespondylus gunni** Traquir  
Caithness, Scotland. .... 120 sr 1914
- Palaphrodes** sp  
Similkameen r., B.C. .... 128 Mem 12  
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- Palasterina** SEE PALAEBASTERINA
- Palecephora** sp  
Similkameen r., B.C. ? ..... 128 Mem 12  
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- Paleo** SEE PALAEO
- Paleschara beani**  
Rouville co., Que. .... 46, 47 Mem 83  
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- Paleschara intercella** Hall  
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- Paleschara quadrangularis** Nicholson  
Hamilton formation of Ont. and  
N.Y. .... 250 r 444  
Hay and Mackenzie rivers, Mack. 214, 249 r 444  
17, 70, 107 d iv
- Paleschara (?) reticulata** Hall  
Hamilton formation of Ont. .... 232 Mem 34  
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- Paliurus** sp  
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- Paliurus columbii** Heer  
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- Paliurus cretaceus** Lesquereux  
Moose Mountain area, Alta. .... 54 r 968  
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- Paliurus montanus** Dawson  
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- Paliurus ovalis** Dawson  
Mill ck., Alta. .... 30 r 1035  
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- Palloptera morticina** Scudder  
Quesnel, B.C. .... 126 Mem 12  
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- Palmacites** sp  
Nanaimo, B.C. .... 98 r 84
- Paludina** sp  
Nottawasaga r., Ont. .... 910 r 50  
Red Deer r., Alta. .... 49 r 94
- Paludina conradi**  
SEE VIVIPARUS CONRADI
- Paludina decisa** Say  
Bonnochère r., Ont. .... 53, 71 r 977  
Niagara falls, Ont. .... 912 r 50  
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Pakenham, Ont. .... 927 r 50
- Paludina leai** SEE VIVIPARUS LEAI
- Paludina multilineata**  
SEE CAMPELOMA MULTILINEATA
- Paludina trochiformis**  
SEE VIVIPARUS TROCHIFORMIS
- Pandora trilineata** Say  
St. John co., N.B. .... 24, 30 (EE) r 125
- Panenka** sp  
Memphremagog l., Que. .... 215, 306 sr 1913
- Panenka alternata** Hall  
Delaware limestone of Ont. .... 239 Mem 34  
Huron co., Ont. .... 132 Mem 34
- Panenka canadensis** Whiteaves  
Bruce co., Ont. .... 278 Mem 34  
Essex co., Ont. .... 281 Mem 34
- Panopaea** sp  
Alaska-Ykn. boundary. .... 106 Mem 67  
Peace r., Alta. .... 48 d v
- Panopaea concentrica** Gabb  
Nanaimo group. .... 408 r 827  
Sucia islds., B.C. .... 141 r 436  
Texada is., B.C. .... 38 Mem 58  
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- Panopaea curta** Whiteaves  
Alberta, southern. .... 75, 132 B II  
Bearpaw formation. .... 26 r 1035  
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- Panopaea generosa** Gould  
Tacoma, U.S. .... 208 A XII
- Panopaea neocomiensis** d'Orbigny  
Compared with PLEUROMYA  
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- Panopaea papyracea**  
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- Panopaea peregrina** d'Orbigny  
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- Panopaea rémondi** Gabb  
Thompson valley, B.C. .... 112 B VII  
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- Panopaea simulatrix** Whiteaves  
Alberta, southern. .... 73, 132 B II  
described and fig. .... 11, 12, Pl 2 r 442  
Edmonton formation. .... 13 Mem 8
- Panopaea subovalis** Whiteaves  
Battle River dist., Alta. .... 90, 130 B II  
described and fig. .... 44, Pl 6 r 442
- Panophlebia gigantea**  
Similkameen r., B.C., described. 185 (B) r 125
- Paphia** sp  
Graham is., B.C. .... 76 Mem 88
- Papillosus** sp  
Gravel r., Mack. .... 39 r 1097
- Parabolina** sp  
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- Parabolina dawsoni** Matthew  
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East bay, described and fig. 51, 223-225, Pl 17 r 797
- Parabolinella limitis** (Brögger)  
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- Parabolinella quadrata** Matthew  
Boisdale, C.B., described and fig. 181, 225, 226, Pl 18 r 797
- Paractinoceras** SEE ACTINOCERAS
- Paracyclas** sp  
Essex co., Ont. .... 284 Mem 34  
Mackenzie r., Mack. .... 91 d iv  
St. George (near), Beauce co., Que. 11 K III  
Winnipegosis and Manitoba Lakes  
reg., Man. .... 207 E v  
described and fig. .... 306, Pl 39 r 445
- Paracyclas antiqua** Goldfuss  
Winnipegosis and Manitoba Lakes  
reg., Man. .... 170, 180, 185, 187 207 E v  
254, 256, 257 sr 1912  
described and fig. .... 304, Pl 39 r 445
- Paracyclas billingsi**  
SEE P. ELLIPTICA OCCIDENTALIS
- Paracyclas elliptica** Hall  
Abitibi r., Ont. .... 236 A xv  
Athabaska r., Alta. .... 23 (cc) r 167  
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**Paracyclas elliptica** Hall—Continued

|  |               |         |
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| Delaware limestone of Ont.....                 | 239           | Mem 34  |
| Essex co., Ont.....                            | 205, 213      | Mem 34  |
| Haldimand co., Ont. ?.....                     | 47            | Mem 34  |
| Hay and Mackenzie rivers, Mack.                | 241, 249, 253 | R 444   |
|  | 18, 71, 107   | D IV    |
| Huron co., Ont.....                            | 122, 130-135  | Mem 34  |
| Goderich.....                                  |               | 21 R 6  |
| Manitoba and Winnipegosis Lakes reg., Man..... | 305, 314      | R 455   |
|  | 159, 183-207  | E V     |
|  | 255           | SR 1912 |
| Onondaga limestone of Ont.....                 | 246           | Mem 34  |
| Perth co., Ont.....                            | 116, 119      | Mem 34  |

**Paracyclas elliptica occidentalis**

|  |                    |             |
|--|--------------------|-------------|
| Billings                                       |                    |             |
| Battle River dist., Alta.....                  | 103                | E II        |
| Bullpound ck. and southern Sask..              | 39                 | R 442       |
|  | 66                 | C I         |
|  | 79                 | B II        |
|  | 32                 | Mem 89      |
| Interlake pen., Ont.....                       | 372, 376, 378, 383 | R 50        |
| Manitoba and Winnipegosis Lakes reg., Man..... | 256, 257           | SR 1912     |
| described and fig.....                         | 305, 314,          | Pl 39 R 445 |
| Millwood (near), Man.....                      | 141, 213           | E V         |
| Notes by Whiteaves.....                        | 63                 | R 434       |

**Paracyclas lirata** (Conrad)

|                                |          |        |
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| Delaware limestone of Ont..... | 239      | Mem 34 |
| Hamilton formation of Ont..... | 235      | Mem 34 |
| Huron co., Ont.....            | 121, 135 | Mem 34 |
| Lambton co., Ont.....          | 167      | Mem 34 |
| Middlesex co., Ont.....        | 161, 162 | Mem 34 |
| Strathroy.....                 | 156      | Mem 34 |
| Perth co., Ont.....            | 116, 119 | Mem 34 |

**Paracyclas ohioensis** Meek

|                                |               |        |
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| Delaware limestone of Ont..... | 239           | Mem 34 |
| Haldimand co., Ont.....        | 50            | Mem 34 |
| Huron co., Ont.....            | 121, 122, 132 | Mem 34 |

**Paradiceras discoideum** (Hall)

|                                |               |        |
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| Hamilton formation of Ont..... | 237           | Mem 34 |
| Lambton co., Ont.....          | 168, 172, 179 | Mem 34 |

**Paradoxides** sp

|                                 |          |       |
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| Argenteuil co., Que.....        | 19       | R 9   |
| Castle Mountain group, R.M..... | 29       | D II  |
| Kings co., N.B.....             | 141      | R 83  |
| Mira r., C.B.....               | 226      | A XIV |
| Newfoundland.....               | 871, 872 | R 50  |
|                                 | 65       | R 432 |
| St. John co., N.B.....          | 136      | R 83  |
|                                 | 79       | R 427 |
| Drury cove.....                 | 140      | R 83  |
| Ratcliffe bk.....               | 139      | R 83  |
| St. John.....                   | 53       | R 983 |
|                                 | 188      | A XII |

**Paradoxides arcuatus**

SEE TRIARTHURUS BECKI

**Paradoxides becki**

SEE TRIARTHURUS BECKI

**Paradoxides bennettii** Salter

|                   |     |       |
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| Newfoundland..... | 364 | R 431 |
|-------------------|-----|-------|

**Paradoxides camellatus** Hartt

|                                  |     |      |
|----------------------------------|-----|------|
| Coldbrook, St. John co., N.B.... | 138 | R 83 |
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**Paradoxides decorus** (Billings)

|                              |    |       |
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| Newfoundland, described..... | 75 | R 432 |
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**Paradoxides eatonii**

SEE TRIARTHURUS BECKI

**Paradoxides forchammeri**

|                                    |        |       |
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| First instance of, in America..... | 227    | A XIV |
| McLean bk., Mira r., C.B.....      | 48, 70 | R 797 |

**Paradoxides harlani** Green

|                            |     |      |
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| Dartmouth valley, Que..... | 882 | R 50 |
|----------------------------|-----|------|

**Paradoxides lamellatus** Hartt

|                        |     |      |
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| St. John co., N.B..... | 135 | R 83 |
|------------------------|-----|------|

**Paradoxides macrocephalus**

SEE OLENNELLUS THOMPSONI

**Paradoxides micmac** Hartt

|                        |     |            |
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| St. John co., N.B..... | 135 | R 83       |
| Coldbrook.....         | 138 | R 83       |
| Porter bk.....         | 31  | (DD) R 125 |

**Paradoxides (?) nevadaensis**

SEE OLENNOIDES NEVADAENSIS

**Paradoxides quadraspinosus**

SEE BATHYNOTUS HOLOPYGA

**Paradoxides rugulosus** Corda

|                           |     |       |
|---------------------------|-----|-------|
| Cape Breton is., N.S..... | 227 | A XIV |
| Mira valley.....          | 39  | R 797 |

**Paradoxides tenellus**

|                                  |        |       |
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| Newfoundland, described and fig. | 74, 75 | R 432 |
|----------------------------------|--------|-------|

**Paradoxides thompsoni**

SEE OLENNELLUS THOMPSONI

**Paradoxides triarthrus**

SEE TRIARTHURUS BECKI

**Paradoxides vermontana**

SEE MESONACIS VERMONTANA

**Parallelodon** sp

|                              |     |        |
|------------------------------|-----|--------|
| Church mt., (near), B.C..... | 512 | Mem 38 |
|------------------------------|-----|--------|

**Parallelodon tenuistriatus** Meek

|                          |     |        |
|--------------------------|-----|--------|
| and Worthen              |     |        |
| Church mt. (near), B.C.? | 512 | Mem 38 |

**Paraparchites** sp

|                           |         |        |
|---------------------------|---------|--------|
| Alaska-Ykn. boundary..... | 98, 101 | Mem 67 |
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**Pararca praecedens** Hall

|                                |     |        |
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| Onondaga limestone of Ont..... | 246 | Mem 34 |
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**Parastrophia** sp

|                                    |     |         |
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| Trenton formation, distribution... | 348 | SR 1912 |
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**Parastrophia hemiplicata** Hall

|                         |         |       |
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| Allumette is., Que..... | v, 42   | Dec 1 |
| Beauport, Que.....      | 21, 119 | K III |
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| Bonnechère r., Ont..... | 57      | R 977 |
| Figured.....            | 168     | R 50  |
| Horizon.....            | 944     | R 50  |
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**Parastrophia** sp

|                              |     |       |
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| Quebec.....                       | 78, 80, 119 K III       |
| St. Charles r.....                | 37 L V                  |
| Sillery.....                      | 331, 333 A XV           |
| Rouville co.....                  | 44, 49, 153, 154 Mem 83 |
| Abbottsford (near).....           | 143 J VII               |
| Caroline.....                     | 14 Mem 43               |
| Rougemont.....                    | 152 J VII               |
| St. John l.....                   | 84, 88 R 39             |
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| Ouiatchouan r.....                | 87 R 39                 |
| St. Johns co., Lacolle.....       | 149 J VII               |
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**Plectambonites tenera**

SEE P. TRANSVERSALIS

**Plectambonites transversalis**

(Wahlenberg)

|  |                         |
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| Anticosti is., Que.....                    | 227, 228, 252, 254 R 11 |
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| Back bay, Charlotte co., N.B....           | 49 M III                |
| Cumberland co., N.S.                       |                         |
| Silurian outliers.....                     | 52 F I                  |
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| Wentworth.....                             | 10 R 101                |
| Distribution.....                          | 251 R 950               |
| Dundas, Grimsby, and Hamilton,<br>Ont..... | 41 F XIV                |
| Ekwan r., Ont.....                         | 251 R 950               |
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| Gaspe co., Que.....                        | 26 (W) R 167            |
| Niagara r., Ont.....                       | 186 SR 1913             |
| Squatook l., Que.....                      | 34, 35 M III            |
| Temiscouata l., Que.....                   | 41 F XIV                |
| Thorold (near), Ont.....                   | 323 R 50                |
| Timiskaming l., Ont.....                   | 289 R 962               |
|  | 205 I X                 |

**Plectoceras**

Canadian species, paper by Whit-  
eaves..... 299-307 R 950

**Plectoceras bickmoreanum**

(Whitfield)

Compared with TROCHOCERAS  
INSIGNE..... 283 R 950

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**Plectoceras halli** (Foord)

|                             |                      |
|-----------------------------|----------------------|
| Chidley cape, Lab. ?.....   | 336 R 905            |
| Lorette, Que.....           | 343 SR 1912          |
| described and fig.....      | 302-305, Pl 35 R 950 |
| Montmorency r., Que.....    | 355 SR 1911          |
| New York state.....         | 300, 303, 304 R 950  |
| Ottawa (near), Ont.....     | 305 R 950            |
| St. Charles r., Que.....    | 37 L V               |
| St. Justin (near), Que..... | 18 J XI              |

**Plectoceras jason** (Billings)

|                                    |                |
|------------------------------------|----------------|
| Clearwater l., New Que., described | 301, 302 R 950 |
| Horizon.....                       | 951 R 50       |
| Mingan islds., Que.....            | 134 R 50       |
| described.....                     | 464, 465 R 491 |

**Plectoceras obscurum**

SEE PLECTOCERAS HALLI

**Plectoceras tyrans** (Billings)

|                                    |                |
|------------------------------------|----------------|
| Chazy formation.....               | 951 R 50       |
| Compared with NAUTILUS FEROX.      | 351 R 431      |
| Mingan islds., Que., described.... | 465, 466 R 491 |

**Plectoceras (?) undatum** (Conrad)

|                              |                  |
|------------------------------|------------------|
| Bonnechère r., Ont.....      | 56 R 977         |
| Chidley cape, Lab.....       | 336 R 905        |
| Compared with P. JASON.....  | 465 R 491        |
| Horizon.....                 | 951 R 50         |
| Kingston, Ont.....           | 467 R 905        |
| notes and fig.....           | 307, Pl 37 R 950 |
| Lorette, Que.....            | 20, 119 K III    |
| New York state.....          | 158 R 39         |
|                              | 303, 306 R 950   |
| Paquette rapids, Ont. ?..... | 71 R 977         |
| St. Ambroise, Que.....       | 156 R 50         |
| St. Charles r., Que.....     | 71 R 440         |
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**Plectorthis** sp

|                              |           |
|------------------------------|-----------|
| Abbottsford (near), Que..... | 143 J VII |
| Ottawa dist., Ont.....       | 67 G XII  |
| Timiskaming l., Ont.....     | 4 Bull 17 |

**Plectorthis ? aurelia** (Billings)

|                        |               |
|------------------------|---------------|
| Gaspe co., Que.....    | 13 (DD) R 154 |
| described and fig..... | 34, 35 R 432  |

**Plectorthis plicatella** Hall

|                              |                  |
|------------------------------|------------------|
| Brechin, Ont.....            | 261 SR 1911      |
| Figured.....                 | 165 R 50         |
| Horizon.....                 | 943 R 50         |
| Joliette, Que.....           | 147 J VII        |
| Ottawa dist., Ont.....       | 63, 68, 69 G XII |
| St. Barnabé (near), Que..... | 19 J XI          |
| Vermont.....                 | 144 J VII        |
| Victoria co., Ont.....       | 191 R 50         |
| Balsam l.....                | 296 SR 1912      |
| Yamaska r., Que.....         | 151 J VII        |

**Plethocardia** sp

|                     |         |
|---------------------|---------|
| Stony mt., Man..... | 51 F XI |
|---------------------|---------|

**Plethocardia (?) cordiformis** (Billings)

|                                     |               |
|-------------------------------------|---------------|
| Figured.....                        | 147 R 50      |
| Horizon.....                        | 945 R 50      |
| St. Joseph is., Ont., described.... | 185, 186 R 39 |

**Plethocardia suberecta** Ulrich

|                     |           |
|---------------------|-----------|
| Stony mt., Man..... | 122 R 564 |
|---------------------|-----------|

**Plethomytilus ponderosus** Hall

|                                |            |
|--------------------------------|------------|
| Bruce co., Ont.....            | 151 Mem 34 |
| Onondaga limestone of Ont..... | 246 Mem 34 |

**Plethopeltis armatus** (Billings)

|                    |               |
|--------------------|---------------|
| Figured.....       | 238 R 50      |
| and described..... | 411 R 431     |
| Horizon.....       | 418 R 50      |
| Levis, Que.....    | 233, 863 R 50 |
| figured.....       | 65, 80 Bull 1 |

**Plethopeltis saratogensis** (Walcott)

|                             |           |
|-----------------------------|-----------|
| New York state and N.J..... | 64 Bull 1 |
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**Plethorhyncha barrandi** Hall

|                                |            |
|--------------------------------|------------|
| Oriskany sandstone of Ont..... | 249 Mem 34 |
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**Plethospira arachne** Billings

|                           |          |
|---------------------------|----------|
| Paquette rapids, Que..... | 60 R 977 |
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**Plethospira arenaria** (Billings)

|  |                |
|--|----------------|
| Calcareous formation.....                      | 948 R 50       |
| Figured.....                                   | 120 R 50       |
| Godmanchester tp., Que.....                    | 115 R 50       |
| Mingan islds., Que., described and<br>fig..... | 358, 359 R 491 |
| Phillipsburg (near), Que.....                  | 123 J VII      |

**Plethospira cassina** (Whitfield)

|                               |           |
|-------------------------------|-----------|
| Phillipsburg (near), Que..... | 123 J VII |
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- Plethospira hyale** (Billings)  
Levis formation..... 417 R 431  
Phillipsburg, Que., described.... 33 R 431
- Pleurocystes** SEE **PLEUROCYSTITES**
- Pleurocystites**  
Generic characters..... 284, 285 R 11
- Pleurocystites** sp  
Ottawa valley, Ont. and Que. .... 354 SR 1911
- Pleurocystites anticostiensis** Billings  
Anticosti is., Que..... 224 R 50  
8 R 427  
described..... 288 R 11  
and fig..... 52, Pl 1 Dec 3  
Lorraine formation..... 941 R 50
- Pleurocystites elegans** Billings  
Montreal, Que..... 137 R 50  
Ottawa, Ont..... 166 R 50  
described..... 287 R 11  
and fig..... 51, Pl 2 Dec 3  
Trenton formation..... 941 R 50
- Pleurocystites exornatus** Billings  
Montreal, Que..... 144 J VII  
described..... 287 R 11  
52 Dec 3
- Pleurocystites filitextus** Billings  
Ottawa, Ont..... 166 R 50  
described..... 286 R 11  
and fig..... 50, Pl 2 Dec 3  
Trenton formation..... 941 R 50
- Pleurocystites filitextus exornata**  
SEE **P. EXORNATUS**
- Pleurocystites robustus**  
SEE **P. SQUAMOSUS ROBUSTUS**
- Pleurocystites rugeri** (Salter)  
Caradoc formation of Wales..... 48 Dec 1
- Pleurocystites squamosus** Billings  
Kirkfield, Ont..... 45 Mem 15  
Montreal, Que..... 144 J VII  
Ottawa, Ont..... 166 R 50  
described..... 286 R 11  
and fig..... 49, Pl 1 Dec 3  
Pakenham, Ont..... 84 J XIV  
Trenton formation..... 941 R 50
- Pleurocystites squamosus anticostiensis**  
SEE **P. ANTI-COSTIENSIS**
- Pleurocystites squamosus robustus** (Billings)  
Hydrospire of, notes..... 98 R 432  
Ottawa, Ont..... 166 R 50  
described..... 287 R 11  
and fig..... 49, Pl 1 Dec 3  
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- Pleurodictyum problematicum**  
Goldfuss  
Annapolis co., N.S., Bear r..... 90, 115 M IX  
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Nictaux dist. 99 M IX  
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- Pleurograptus linearis** (Carruthers)  
New York state..... 5 Mem 83
- Pleuromya** sp  
Groundhog coal basin, B.C..... 87 SR 1912  
Hazelton area, B.C. ?..... 206 Mem 69  
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- Pleuromya alduini** Brongniart  
European Jurassic, compared with  
**P. CARLOTTENSIS**..... 156 R 114
- Pleuromya carlottensis** SEE **P. PAPYRACEA CARLOTTENSIS**
- Pleuromya laevigata** Whiteaves  
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Maude is. and Itlasyouco r., B.C. 289, 307 R 706  
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- Pleuromya newtoni** Whitfield  
Compared with **P. CARLOTTENSIS**.. 223 R 437
- Pleuromya papyracea** Gabb  
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- Pleuromya papyracea carlottensis**  
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Banff area, Alta..... 24 R 1035  
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described and fig..... 223, 255, Pl 29 R 497  
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- Pleuromya subcompressa** SEE **P. PAPYRACEA CARLOTTENSIS**
- Pleuromya subcompressa carlottensis**  
SEE **P. PAPYRACEA CARLOTTENSIS**
- Pleuromya subcompressa laevigata** Whiteaves  
Maude is. and Itlasyouco r., B.C.,  
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- Pleuromya subelliptica** Meek and  
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- Pleuromya tenuistriata**  
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- Pleuromya unionides** Roemer  
Itlasyouco r. and Sigutlat l., B.C.,  
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- Pleuronotus** sp  
Haldimand co., Ont..... 70 Mem 34
- Pleuronotus decewi** (Billings)  
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- Pleuropachydiscus hoffmanni** (Gabb)  
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- Pleurohynchus**  
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| <b>Pleurotomaria<sup>1</sup> sp</b>                   |           |                |  |
| Alaska-Ykn. boundary.....                             | 100, 101  | Mem 67         |  |
| Athabaska r., Alta.....                               |           | 105 R 108      |  |
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| Dalhousie, N.B.....                                   |           | 16 M III       |  |
| Drummond is., U.S.....                                |           | 333 R 50       |  |
| Galton range, B.C.....                                | 112       | Mem 38         |  |
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| Southampton is., Kee.....                             |           | 331 R 905      |  |
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| Bruce co.....   | 142, 145, | 148 Mem 34     |  |
| Carleton co.....                                      |           | 67, 74 G XII   |  |
| Ottawa, casts of.....                                 |           | 620 R 50       |  |
| Essex co.....   | 213, 284  | Mem 34         |  |
| Glengarry co.....                                     |           | 72 A VIII      |  |
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| Grey co.....  |           | 342 R 50       |  |
| Hastings co.....                                      |           | 122, 127 R 10  |  |
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| L. Huron, Georgian bay.....                           |           | 319, 332 R 50  |  |
| North channel.....                                    |           | 115 R 5        |  |
| Manitoulin is.....                                    |           | 117 R 5        |  |
| Lambton co.....                                       |           | 383 R 50       |  |
| Patricia dist., Moose r.....                          |           | 6 (c) R 125    |  |
| Perth co.....   | 116, 119  | Mem 34         |  |
| Renfrew co.....                                       |           | 66 R 3         |  |
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| Waterloo and Wellington cos.....                      |           | 337-340 R 50   |  |
| <b>Quebec</b>   |           |                |  |
| Bagot co.....   |           | 116 J VII      |  |
| Bonaventure co.....                                   |           | 444 R 50       |  |
| Châteauguay co.....                                   |           | 115 J VII      |  |
| Gaspe co.....   | 393,      | 439 R 50       |  |
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| Island of Montreal.....                               |           | 122 J VII      |  |
| Jacques Cartier co.....                               |           | 16 R 9         |  |
| Montreal, casts of.....                               |           | 620 R 50       |  |
| Levis co.....   |           | 862 R 50       |  |
| Matapedia co.....                                     |           | 415 R 50       |  |
| Missisquoi co.....                                    | 278, 279, | 845 R 50       |  |
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| Pontiac co.....                                       |           | 20 R 9         |  |
| Allumette is.....                                     |           | 125, 462 R 50  |  |
| Saguenay co., Anticosti is.....                       |           | 222, 232 R 11  |  |
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| Mingan is., casts of.....                             |           | 620 R 50       |  |
| Témiscamingue co.....                                 |           | 335 R 50       |  |
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| Temiscouata co.....                                   |           | 33, 34 M III   |  |
| <b>Pleurotomaria abrupta</b> Billings                 |           |                |  |
| Calceiferous formation.....                           |           | 947 R 50       |  |
| Mingan islds., Que., Birch is.....                    |           | 122 R 50       |  |
| described....   |           | 354 R 491      |  |
| <b>Pleurotomaria acuta</b> Sowerby                    |           |                |  |
| Stony mt., Man.....                                   |           | 51 F XI        |  |
| <b>Pleurotomaria advena</b>                           |           |                |  |
| Sauk co., Wis.....                                    |           | 59 R 431       |  |
| <b>Pleurotomaria agarista</b> Billings                |           |                |  |
| Newfoundland.....                                     |           | 367 R 431      |  |
| described and fig.....                                |           | 230 R 431      |  |
| <b>Pleurotomaria agave</b> Billings                   |           |                |  |
| Maquereau r., Que., described and fig.....            |           | 170 R 431      |  |
| <b>Pleurotomaria agnesia</b>                          |           |                |  |
| Manitoba l., Man.....                                 | 153, 154, | 203 E V        |  |
| notes and fig.....                                    | 313, 314, | Pl 42 R 445    |  |
| <b>Pleurotomaria alata</b> Wahlenberg                 |           |                |  |
| Compared with P. VALERIA.....                         |           | 71, 72 R 564   |  |
| <b>Pleurotomaria americana</b>                        |           |                |  |
| SEE LIOSPIRA AMERICANA                                |           |                |  |
| <b>Pleurotomaria amphitrite</b>                       |           |                |  |
| SEE EUCONIA AMPHITRITE                                |           |                |  |
| <b>Pleurotomaria anna</b> Billings                    |           |                |  |
| Ste. Anne-de-Bellevue, Que.....                       |           | 114 J VII      |  |
| <b>Pleurotomaria aperta</b>                           |           |                |  |
| SEE RAPHIPTOMA APERTUM                                |           |                |  |
| <b>Pleurotomaria arabella</b> Billings                |           |                |  |
| Grenville and Leeds co., Ont., described and fig..... |           | 343, 344 R 431 |  |
| <b>Pleurotomaria arachne</b>                          |           |                |  |
| SEE LOPHOSPIRA (?) ARACHNE                            |           |                |  |
| <b>Pleurotomaria arisaigensis</b>                     |           |                |  |
| Nictaux dist., N.S.....                               |           | 100 M IX       |  |
| <b>Pleurotomaria arkonensis</b> Whiteaves             |           |                |  |
| Hamilton formation of Ont.....                        |           | 236 Mem 34     |  |
| <b>Pleurotomaria artemis</b>                          |           |                |  |
| Manitoulin is., Ont.....                              |           | 217 R 50       |  |
| <b>Pleurotomaria beekmanensis</b>                     |           |                |  |
| SEE EUCONIA BEEKMANENSIS                              |           |                |  |
| <b>Pleurotomaria bellicincta</b>                      |           |                |  |
| Ops tp.....   |           | 133 R 10       |  |
| St. John l., Que.....                                 |           | 85 R 39        |  |
| <b>Pleurotomaria bicincta</b> Hall                    |           |                |  |
| SEE LOPHOSPIRA BICINCTA                               |           |                |  |
| <b>Pleurotomaria bifida</b>                           |           |                |  |
| SEE OXYDISCUS MANTOBIENSIS                            |           |                |  |
| <b>Pleurotomaria bilix</b>                            |           |                |  |
| SEE CYCLONEMA BILIX                                   |           |                |  |
| <b>Pleurotomaria bispiralis</b>                       |           |                |  |
| SEE LOPHOSPIRA BISPIRALIS                             |           |                |  |
| <b>Pleurotomaria calcifera</b> Billings               |           |                |  |
| Beauharnois (near), Que.....                          |           | 114 J VII      |  |
| described and fig.....                                |           | 352, 353 R 491 |  |
| Calceiferous formation.....                           |           | 947 R 50       |  |
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| Newfoundland.....                                     |           | 362, 367 R 431 |  |
| St. Timothy, Que.....                                 |           | 114 R 50       |  |
| <b>Pleurotomaria calphurnia</b> (Billings)            |           |                |  |
| Newfoundland.....                                     |           | 367 R 431      |  |
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| <b>Pleurotomaria calyx</b> of authors                 |           |                |  |
| SEE RAPHIPTOMA STAMINEUM                              |           |                |  |
| <b>Pleurotomaria canadensis</b> Billings              |           |                |  |
| Calceiferous formation.....                           |           | 28 O XIV       |  |
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| Grenville co., Ont.....                               |           | 343 R 431      |  |
| Lachute, Que.....                                     |           | 139 J XII      |  |
| Leeds co., Ont., described and fig.....               |           | 342, 343 R 431 |  |

<sup>1</sup>"Many references to this species have been made by American authors, but it seems useless to cite them since none of them probably refers to P. in a strict sense." (Smithsonian Institution, Bull. 92, Ray S. Bassler.)

**Pleurotomaria canadensis** Billings—Continued  
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**Pleurotomaria canalifera**  
 SEE EOTOMARIA CANALIFERA

**Pleurotomaria circe**  
 SEE LOPHOSPIRA ? CIRCE

**Pleurotomaria crevieri**  
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**Pleurotomaria cryptata** Billings  
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**Pleurotomaria cyclostoma** Whiteaves  
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**Pleurotomaria daphne** Billings  
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**Pleurotomaria deiopela**  
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**Pleurotomaria della** (Billings)  
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**Pleurotomaria delicatula** Hall  
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**Pleurotomaria difficilis**  
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**Pleurotomaria docens**  
 SEE LIOSPIRA DOCENS

**Pleurotomaria dryope**  
 SEE EOTOMARIA DRYOPE

**Pleurotomaria durhamensis**  
 SEE EOTOMARIA DURHAMENSIS

**Pleurotomaria elora**  
 SEE EUOMPHALOPTERUS ELORA

**Pleurotomaria etna**  
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**Pleurotomaria eugenia**  
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**Pleurotomaria exquisita**  
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**Pleurotomaria filitexta** Foerste  
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**Pleurotomaria galtensis**  
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**Pleurotomaria gonistoma**  
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**Pleurotomaria gregaria** Billings  
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**Pleurotomaria halei**  
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**Pleurotomaria harpya** Billings  
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**Pleurotomaria hebe**  
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**Pleurotomaria helena**  
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**Pleurotomaria hercyna**  
 SEE MURCHISONIA ( ? ? ) BILLINGSANA

**Pleurotomaria hortensia**  
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**Pleurotomaria hoyi** Hall  
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**Pleurotomaria huronensis** (Hall)  
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**Pleurotomaria hyale** Billings  
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**Pleurotomaria immatura**  
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**Pleurotomaria inflata** McCoy  
 Silurian of Ireland. .... 23 Dec 1

**Pleurotomaria infranodosa** Whiteaves  
 Manitoba and Winnipegosis lakes, Man. .... 180, 185, 198, 207 E V  
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**Pleurotomaria insolita** Hall  
 Norfolk co., Ont. .... 103 Mem 34  
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**Pleurotomaria labrosa** Hall  
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**Pleurotomaria lapicida**  
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**Pleurotomaria laurentina**  
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**Pleurotomaria lenticularis**  
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 Anticosti is., Que. .... 251, 252 R 11  
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**Pleurotomaria limata**  
 SEE EUOMPHALOPTERUS HALEI

**Pleurotomaria litorea** Hall  
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**Pleurotomaria lydia** (Billings)  
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**Pleurotomaria (?) margaritoides**  
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**Pleurotomaria micula**  
 SEE LIOSPIRA MICULA

**Pleurotomaria miser** Billings  
 Mingan islds., Que. .... 122 R 50  
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**Pleurotomaria missisquoi** Billings  
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**Pleurotomaria mohawkensis** Miller  
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**Pleurotomaria muralis** Owen  
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**Pleurotomaria nasoni**  
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**Pleurotomaria niota**  
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**Pleurotomaria nodulosa**  
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| <b>Pleurotomaria normani</b> Billings       |                             |
| Newfoundland.....                           | 367 R 431                   |
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| <b>Pleurotomaria numeria</b>                |                             |
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| <b>Pleurotomaria occidens</b>               |                             |
| SEE PHANEROTREMA OCCIDENS                   |                             |
| <b>Pleurotomaria pauper</b> Billings        |                             |
| SEE RAPHISTOMA STAMINEUM                    |                             |
| <b>Pleurotomaria pauper</b> Hall            |                             |
| SEE TROCHONEMA PAUPER                       |                             |
| <b>Pleurotomaria perlata</b>                |                             |
| SEE LIOSPIRA PERLATA                        |                             |
| <b>Pleurotomaria plena</b> Hall             |                             |
| Hamilton formation of Ont.....              | 236 Mem 34                  |
| Huron co., Ont.....                         | 140 Mem 34                  |
| <b>Pleurotomaria postumia</b> Billings      |                             |
| Levis, Que.....                             | 233, 862 R 50               |
| described.....                              | 91 R 431                    |
| Levis formation.....                        | 417 R 431                   |
| Phillipsburg, Que.....                      | 126 J VII                   |
| <b>Pleurotomaria princessa</b> Billings     |                             |
| Gaspe pen., Que., is a POLYTROPSIS.         | 89 R 564                    |
| Gaspe cape.....                             | 13 (DD) R 154               |
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| <b>Pleurotomaria progne</b>                 |                             |
| SEE LIOSPIRA PROGNE                         |                             |
| <b>Pleurotomaria (Euconia?) quebecensis</b> |                             |
| (Billings)                                  |                             |
| Levis, Que.....                             | 862 R 50                    |
| described and fig.....                      | 190, 191 R 431              |
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| <b>Pleurotomaria ramsayi</b>                |                             |
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| <b>Pleurotomaria rotalia</b> Hall           |                             |
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| <b>Pleurotomaria rotuloides</b>             |                             |
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| <b>Pleurotomaria rotundispira</b> Billings  |                             |
| Levis, Que.....                             | 192 R 431                   |
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| <b>Pleurotomaria (Eotomaria) selecta</b>    |                             |
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| Newfoundland.....                           | 367 R 431                   |
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| <b>Pleurotomaria sigaretus</b> G. and F.    |                             |
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| <b>Pleurotomaria simpsoni*</b>              |                             |
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| <b>Pleurotomaria skidgatensis</b>           |                             |
| Queen Charlotte islds., B.C.....            | 249, 262 R 437              |
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| <b>Pleurotomaria solarioides</b> Billings   |                             |
| SEE LIOSPIRA PERLATA                        |                             |
| <b>Pleurotomaria solarioides</b> Hall       |                             |
| SEE PLYNOMPHALUS SOLARIOIDES                |                             |
| <b>Pleurotomaria spenceri</b> Whiteaves     |                             |
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| <b>Pleurotomaria sponsa</b> Billings        |                             |
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| <b>Pleurotomaria staminea</b> Hall         |                     |
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| Joliette, Que.....                         | 133 R 50            |
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| Manitoulin is., Ont.....                   | 319 A XV            |
| Murray Bay, Que.....                       | 163 R 50            |
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| <b>Pleurotomaria stokesiana</b> Whiteaves  |                     |
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| <b>Pleurotomaria subconica</b>             |                     |
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| <b>Pleurotomaria supracingulata</b>        |                     |
| SEE EOTOMARIA SUPRACINGULATA               |                     |
| <b>Pleurotomaria sybillina</b>             |                     |
| SEE LOPHOSPIRA SYBILLINA                   |                     |
| <b>Pleurotomaria tenuis</b>                |                     |
| Manitoulin is., Ont.....                   | 217 R 50            |
| <b>Pleurotomaria thalia</b>                |                     |
| SEE CYCLOPHEMA THALIA                      |                     |
| <b>Pleurotomaria townsendi</b> Whiteaves   |                     |
| Durham, Ont., described and fig..          | 77, 78 P 15 R 564   |
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| <b>Pleurotomaria tropidophora</b>          |                     |
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| <b>Pleurotomaria turgida</b>               |                     |
| SEE SINUOPEA TURGIDA                       |                     |
| <b>Pleurotomaria umbilicata</b>            |                     |
| SEE TROCHONEMA UMBILICATUM                 |                     |
| <b>Pleurotomaria (Eccyliomphalus?)</b>     |                     |
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| <b>Pleurotomaria valeria</b>               |                     |
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| <b>Pleurotomaria velaris</b>               |                     |
| SEE EUOMPHALOPTERUS VELARIS                |                     |
| <b>Pleurotomaria viola</b>                 |                     |
| SEE POLEUMITA VIOLA                        |                     |
| <b>Pleurotomaria virgo</b> Billings        |                     |
| Newfoundland.....                          | 367 R 431           |
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| <b>Pleurotomaria virguncula</b> Billings   |                     |
| Newfoundland.....                          | 367 R 431           |
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| <b>Pleurotomaria vitruvia</b>              |                     |
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| <b>Pleurotomaria voltumna</b> (Billings)   |                     |
| Gaspe co., Que.....                        | 14 (DD) R 154       |
| Grand Grève, described and fig.            | 61, P 1 5 R 432     |
| <b>Pliomerops barrandi</b> (Billings)      |                     |
| Horizon.....                               | 64 R 431            |
| Newfoundland.....                          | 369, 374, 375 R 431 |
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| <b>Pliomerops canadensis</b> (Billings)    |                     |
| Clearwater pt., New Que.....               | 302 R 50            |
| Figured.....                               | 133 R 50            |
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| Horizon.....                               | 952 R 50            |
| Mingan islds., Que.....                    | 134 R 50            |
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| <b>Pliomerops (?) convexus</b> (Billings)  |                     |
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| Stanbridge tp., Que.....                   | 132 J VII           |
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| <b>Pliomerops (?) insularis</b> (Billings) |                     |
| Newfoundland.....                          | 370 R 431           |
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\*Note by Dr. Whiteaves: Probably a misprint for "spenceri."

- Plomerops julius** (Billings)  
Levis formation..... 417 R 431  
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- Plomerops (?) salteri** (Billings)  
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- Plumalina gracilis** (Shumard)  
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- Plumulites jamesi**  
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- Poacordaites**  
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- Podocarpites tyrrelli** Dawson  
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- Podocrates vancouverensis** Whiteaves  
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- Podozamites graminifolia**  
Groundhog coal basin, B.C. ?..... 408 SR 1912  
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- Podozamites grandifolius**  
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- Podozamites lanceolatus** Lindley and Hutton  
Bighorn coal basin, Alta..... 44, 48 Mem 9  
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- Podozamites longifolius** Emmons  
Moose Mountain area, Alta..... 55 R 968  
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- Poëbrotherium wilsoni** Leidy  
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- Poleumita**  
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- Poleumita** sp  
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- Poleumita crenulata** (Whiteaves)  
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- Poleumita durhamensis** (Whiteaves)  
Edge Mills, near Durham, Ont.,  
described and fig..... 91, 92, Pl 14 R 564  
Guelph formation of Ont..... 338 R 950
- Poleumita macrolineata** (Whitfield)  
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described and fig..... 20, Pl 3 R 433  
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- Poleumita parvula** (Whiteaves)  
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- Poleumita rugilineata ?** Hall and  
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- Poleumita (?) sulcata** (Hall)  
Durham and vicinity, Ont., de-  
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- Poleumita viola** (Billings)  
Galt, Elora, and Belwood, Ont. ? 76, Pl 12 R 564  
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- Poleumita wisbyensis**  
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- Polycope sublenticularis**  
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- Polydilasma** SEE ZAPHRENTIS
- Polydilasma turbinatum**  
SEE ZAPHRENTIS TURBINATA
- Polygnathus coronatus** Hinde  
Huron shale of Ont..... 228 Mem 34  
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- Polygnathus curvatus** Hinde  
Huron shale of Ont..... 228 Mem 34  
Lambton co., Ont. ?..... 185 Mem 34
- Polygnathus dubius** Hinde  
Huron shale of Ont..... 228 Mem 34  
Lambton co., Ont..... 184, 185 Mem 34  
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- Polygnathus duplicatus** Hinde  
Huron shale of Ont..... 228 Mem 34  
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- Polygnathus immersus** Hinde  
Huron shale of Ont..... 228 Mem 34  
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- Polygnathus palmatus** Hinde  
Huron shale of Ont..... 228 Mem 34  
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- Polygnathus radiatus** Hinde  
Huron shale of Ont..... 228 Mem 34  
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- Polygnathus serratus** Hinde  
Huron shale of Ont..... 228 Mem 34  
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- Polygnathus truncatus** Hinde  
Huron shale of Ont..... 228 Mem 34  
Lambton co., Ont..... 185 Mem 34  
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- Polygnathus universonis** Hinde  
Huron shale of Ont..... 228 Mem 34  
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SEE SPHAEROSPONGIA TESSELLATA
- Polygyra albolabris**  
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| <b>Polygyra thyroides</b>                                |                                |      |  |
| Interlake pen., Ont.....                                 | 168 A                          | XIV  |  |
| <b>Polygyrata rotuliformis</b> (Meek)                    |                                |      |  |
| Castle Mountain group of B.C.....                        | 29 D                           | II   |  |
| <b>Polymorpha</b> sp                                     |                                |      |  |
| Mark mt., V.I.....                                       | 54 R                           | 89   |  |
| <b>Polymorphina lactea</b>                               |                                |      |  |
| Island of Montreal, Que.....                             | 65 Mem                         | 73   |  |
| Ottawa, Ont.....   | 54 G                           | XII  |  |
| <b>Polynax mortuarius</b> Cope                           |                                |      |  |
| Denver basin, Colo.....                                  | 14 R                           | 774  |  |
| Horns, teeth, etc., compared with<br>MONOCLONIUS sp..... | 68 R                           | 774  |  |
| <b>Polypheopsis louisvillae</b>                          |                                |      |  |
| SEE SUBULITES LOUISVILLAE                                |                                |      |  |
| <b>Polypora</b> sp                                       |                                |      |  |
| Alaska-Ykn. boundary.....                                | 95, 99, 100 Mem                | 67   |  |
| White River dist.....                                    | 77-79 Mem                      | 50   |  |
| Bruce co., Ont.....                                      | 142 Mem                        | 34   |  |
| Don r., N.B.....   | 8 N                            | II   |  |
| Essex co., Ont.....                                      | 283 Mem                        | 34   |  |
| Pelee is.....  | 203 AA                         | XV   |  |
| Lambton co., Ont.....                                    | 166 Mem                        | 34   |  |
| Norfolk co., Ont.....                                    | 102 Mem                        | 34   |  |
| <b>Polypora arkonensis</b> S. A. Miller                  |                                |      |  |
| Hamilton formation of Ont.....                           | 379, 415 R                     | 659  |  |
|  | 232 Mem                        | 34   |  |
| Lambton co., Ont.....                                    | 166, 171, 175 Mem              | 34   |  |
| Middlesex co., Ont.....                                  | 159 Mem                        | 34   |  |
| <b>Polypora brevisulcata</b> (Hall)                      |                                |      |  |
| Huron co., Ont.....                                      | 127 Mem                        | 34   |  |
| Onondaga limestone of Ont.....                           | 244 Mem                        | 34   |  |
| <b>Polypora celsipora</b> (Hall)                         |                                |      |  |
| Bruce co., Ont. ?.....                                   | 144 Mem                        | 34   |  |
| Haldimand co., Ont.....                                  | 84 Mem                         | 34   |  |
| Onondaga limestone of Ont.....                           | 244 Mem                        | 34   |  |
| Welland co., Ont.....                                    | 18, 24 Mem                     | 34   |  |
| <b>Polypora celsipora minor</b> (Hall)                   |                                |      |  |
| Onondaga limestone of Ont.....                           | 244 Mem                        | 34   |  |
| <b>Polypora fistulata</b> (Hall)                         |                                |      |  |
| Hamilton formation of Ont.....                           | 232 Mem                        | 34   |  |
| <b>Polypora gracilis</b>                                 |                                |      |  |
| Chazy formation.....                                     | 942 R                          | 50   |  |
| <b>Polypora granilinea</b> (Hall)                        |                                |      |  |
| Onondaga limestone of Ont.....                           | 244 Mem                        | 34   |  |
| Welland co., Ont.....                                    | 18 Mem                         | 34   |  |
| <b>Polypora halliana</b> Nicholson                       |                                |      |  |
| Onondaga limestone of Ont.....                           | 244 Mem                        | 34   |  |
| <b>Polypora hexagonalis</b> Hall                         |                                |      |  |
| Bruce co., Ont. ?.....                                   | 144 Mem                        | 34   |  |
| Haldimand co., Ont.....                                  | 63, 72 Mem                     | 34   |  |
| Huron co., Ont. ?.....                                   | 127, 139 Mem                   | 34   |  |
| Norfolk co., Ont.....                                    | 102 Mem                        | 34   |  |
| Onondaga limestone of Ont.....                           | 244 Mem                        | 34   |  |
| Oriskany sandstone of Ont.....                           | 249 Mem                        | 34   |  |
| <b>Polypora latitrunata</b> (Hall)                       |                                |      |  |
| Hamilton formation of Ont.....                           | 232 Mem                        | 34   |  |
| Onondaga limestone of Ont.....                           | 244 Mem                        | 34   |  |
| <b>Polypora manitobensis</b> Whiteaves                   |                                |      |  |
| Manitoba and Winnipegosis lakes,<br>Man.....             | 173, 174, 179, 185, 197, 206 E | V    |  |
|  | 253 sr                         | 1912 |  |
| <b>Polypora multiplex</b> (Hall)                         |                                |      |  |
| Hamilton formation of Ont.....                           | 232 Mem                        | 34   |  |
| Lambton co., Ont.....                                    | 166, 175 Mem                   | 34   |  |
| Middlesex co., Ont.....                                  | 159 Mem                        | 34   |  |
| <b>Polypora mutabilis</b> (Hall)                         |                                |      |  |
| Middlesex co., Ont. ?.....                               | 159 Mem                        | 34   |  |
| Onondaga limestone of Ont.....                           | 244 Mem                        | 34   |  |
| Welland co., Ont.....                                    | 16 Mem                         | 34   |  |
| <b>Polypora nexa</b> (Hall)                              |                                |      |  |
| Onondaga limestone of Ont.....                           | 244 Mem                        | 34   |  |
| <b>Polypora perangulata</b> Hall                         |                                |      |  |
| St. Helen is., Que.....                                  | 155 J                          | VII  |  |
| <b>Polypora porosa</b> (Hall)                            |                                |      |  |
| Haldimand co., Ont.....                                  | 84 Mem                         | 34   |  |
| Onondaga limestone of Ont.....                           | 245 Mem                        | 34   |  |
| <b>Polypora psyche</b> Billings                          |                                |      |  |
| Ashland, N.B.....  | 44 M                           | III  |  |
| Gaspe co., Que.....                                      | 13 (DD) R                      | 154  |  |
| Indian cove, described and fig..                         | 11, 12 R                       | 432  |  |
| Torbrook stream, N.S.....                                | 98 M                           | IX   |  |
| <b>Polypora pulchella</b> Nicholson                      |                                |      |  |
| Onondaga limestone of Ont.....                           | 245 Mem                        | 34   |  |
| <b>Polypora robusta</b> (Hall)                           |                                |      |  |
| Haldimand co., Ont.....                                  | 63, 84, 89, 93 Mem             | 34   |  |
| Lambton co., Ont. ?.....                                 | 166 Mem                        | 34   |  |
| Onondaga limestone of Ont.....                           | 244 Mem                        | 34   |  |
| Welland co., Ont.....                                    | 24 Mem                         | 34   |  |
| <b>Polypora rustica</b> (Hall and Simpson)               |                                |      |  |
| Onondaga limestone of Ont.....                           | 244 Mem                        | 34   |  |
| <b>Polypora separata</b> (Hall)                          |                                |      |  |
| Onondaga limestone of Ont.....                           | 244 Mem                        | 34   |  |
| <b>Polypora submarginata</b> Meek                        |                                |      |  |
| McGuire mt., B.C. ?.....                                 | 513 Mem                        | 38   |  |
| <b>Polypora tenella</b> Nicholson                        |                                |      |  |
| Onondaga limestone of Ont.....                           | 244 Mem                        | 34   |  |
| <b>Polypora tuberculata</b> Nicholson                    |                                |      |  |
| Hamilton formation of Ont.....                           | 123 R                          | 443  |  |
| <b>Polystromella crispa</b>                              |                                |      |  |
| Island of Montreal, Que.....                             | 65 Mem                         | 73   |  |
| Ottawa, Ont.....   | 53 G                           | XII  |  |
| Quebec city, Que.....                                    | 56 R                           | V    |  |
| <b>Polythorax missouriensis</b> Cope                     |                                |      |  |
| Montana.....   | 12, 17 R                       | 774  |  |
| <b>Polytropina</b> Donald (Miss Jane)                    |                                |      |  |
| Guelph formation of Ont.....                             | 337 R                          | 950  |  |
| <b>Polypopsis</b> SEE POLEUMITA                          |                                |      |  |
| <b>Popanoceras mconnelli</b> Whiteaves                   |                                |      |  |
| Liard r., Mack.....                                      | 19, 49 D                       | IV   |  |
| described and fig.....                                   | 138-140, Pl 18 R               | 443  |  |
| <b>Popanoceras mconnelli lenticularis</b>                |                                |      |  |
| Liard r., Mack., described and fig.                      | 140, Pl 18 R                   | 443  |  |
| <b>Populites cyclophylla</b> Heer                        |                                |      |  |
| Pasayten R. area, B.C.....                               | 819, 835, 836 Mem              | 38   |  |
| Hozameen range.....                                      | 487 Mem                        | 38   |  |
| Pine and Peace rivers, B.C.....                          | 31 R                           | 1035 |  |
| <b>Populus</b> sp  |                                |      |  |
| Cranbrook area, B.C.....                                 | 88 Mem                         | 76   |  |
| Horsefly r., B.C.....                                    | 27, 75, 98, 113 R              | 1013 |  |
| Kluane mg. dist., Ykn.....                               | 206, 207 sr                    | 1915 |  |
| Quesnel r., B.C.....                                     | 98 R                           | 84   |  |
|  | 28, 75, 98, 113 R              | 1013 |  |
| Red Deer r., Alta.....                                   | 322 sr                         | 1913 |  |
| Souris coal field, Sask.....                             | 25 (A) R                       | 147  |  |
| Vancouver is., B.C., notes.....                          | 68 R                           | 89   |  |
| Saanichton.....  | 98 R                           | 84   |  |
| <b>Populus acerifolia</b> Newberry                       |                                |      |  |
| Thompson r., B.C.....                                    | 143 sr                         | 1912 |  |
| Tranquille r., B.C.....                                  | 30, 75, 115 R                  | 1013 |  |
| <b>Populus arctica</b> Heer                              |                                |      |  |
| Burrard inlet, B.C.....                                  | 32, 136 R                      | 1013 |  |
| Coal ck., N. Thompson r., B.C....                        | 186 (B) R                      | 125  |  |
|  | 231 B                          | VII  |  |
|  | 297 Mem                        | 69   |  |
| Coal gully, Nicola r., B.C.....                          | 106 R                          | 1013 |  |
| Great Bear r., Mack.....                                 | 17, 18, 76 R                   | 1013 |  |
|  | 22 D                           | IV   |  |
| Horsefly r., B.C.....                                    | 28, 136 R                      | 1013 |  |
| Mackenzie r., Mack.....                                  | 96 D                           | IV   |  |
| North Saskatchewan r., Alta.....                         | 110 E                          | II   |  |
| Omineca r., B.C.....                                     | 31, 76, 107 R                  | 1013 |  |
|  | 23, 36 C                       | VII  |  |
| Paskapoo and Laramie formations                          | 32 R                           | 1035 |  |
| Porcupine ck., Sask.....                                 | 11 R                           | 1013 |  |
| Quesnel, B.C.....  | 260 R                          | 108  |  |
|  | 110 R                          | 1013 |  |
|  | 303 Mem                        | 69   |  |

**Populus arctica** Heer—Continued

|                          |                |
|--------------------------|----------------|
| Red Deer r., Alta.....   | 15 R 1013      |
|                          | 831 Mem 38     |
| Little Red Deer r.....   | 136 E II       |
| Roche-Perceé, Sask.....  | 54 (A) R 147   |
| Similkameen r., B.C..... | 22 R 1013      |
|                          | 186 (B) R 125  |
| Lamont ck.....           | 76, 120 R 1013 |
| Tulameen r.....          | 21, 101 R 1013 |

**Populus arctica latior** Heer

|                          |                |
|--------------------------|----------------|
| Great Bear r., Mack..... | 76, 136 R 1013 |
| Mackenzie r., Mack.....  | 96 D IV        |

**Populus balsamifera** Linnaeus

|                                   |          |
|-----------------------------------|----------|
| Greens ck., near Ottawa, Ont..... | 917 R 50 |
|-----------------------------------|----------|

**Populus balsamoides** Göppert

|                            |                    |
|----------------------------|--------------------|
| Burrard inlet, B.C.....    | 32, 76, 136 R 1013 |
| Kluane mg. dist., Ykn..... | 205, 206 SR 1915   |

**Populus cordata** Newberry

|                           |                         |
|---------------------------|-------------------------|
| Quilchena, B.C.....       | 25, 76, 98, 113 R 1013  |
| Tulameen r., B.C.....     | 21, 76, 101, 123 R 1013 |
| Yellowstone r., Mont..... | 76 R 1013               |

**Populus cordifolia** SEE P. DAKOTANA**Populus cretacea** Knowlton

|                        |             |
|------------------------|-------------|
| Red Deer r., Alta..... | 205 SR 1915 |
|------------------------|-------------|

**Populus cuneata** Newberry

|                         |                         |
|-------------------------|-------------------------|
| Blindman r., Alta.....  | 391 A XVI               |
| Dakota and Montana..... | 77 R 1013               |
| Red Deer r., Alta.....  | 15, 77, 136 R 1013      |
| Roche-Perceé, Sask..... | 54 (A) R 147            |
| Thompson r., B.C.....   | 143 SR 1912             |
| Tranquille r., B.C..... | 30, 77, 100, 116 R 1013 |
| Tulameen r., B.C.....   | 21, 77, 101, 123 R 1013 |

**Populus cyclomorpha** Knowlton and Cockerell

|                          |         |
|--------------------------|---------|
| Great Bear r., Mack..... | 22 D IV |
|--------------------------|---------|

**Populus cyclophylla**

SEE POPULITES CYCLOPHYLLA (Heer)

**Populus dakotana** Cockerell

|                       |                    |
|-----------------------|--------------------|
| Calgary, Alta.....    | 13, 76, 136 R 1013 |
| Nebraska.....         | 76 R 1013          |
| Tulameen r., B.C..... | 101, 123 R 1013    |

**Populus daphnogenoides** Ward

|                          |                    |
|--------------------------|--------------------|
| Horizon.....             | 32 R 1035          |
|                          | 831 Mem 38         |
| Red Deer r., Alta.....   | 15, 77, 136 R 1013 |
|                          | 831 Mem 38         |
| Similkameen r., B.C..... | 19, 77, 121 R 1013 |
|                          | 831 Mem 38         |

**Populus elliptica** Newberry

|                                |           |
|--------------------------------|-----------|
| Central plains, Alta.....      | 31 R 1035 |
| Moose Mountain area, Alta..... | 54 R 968  |
|                                | 50 Mem 9  |
|                                | 53 Mem 61 |

**Populus genatrix** Newberry

|                                  |                    |
|----------------------------------|--------------------|
| Calgary, Alta.....               | 13, 136 R 1013     |
|                                  | 57 E II            |
| Coal bk., Nicola r., B.C.....    | 32, 106 R 1013     |
|                                  | 297 Mem 69         |
| Coal bk., N. Thompson r., B.C... | 231 B VII          |
|                                  | 297 Mem 69         |
| Horizon.....                     | 32 R 1035          |
| Porcupine ck., Sask.....         | 11, 77 R 1013      |
| Quilchena, B.C.....              | 25, 98, 113 R 1013 |
| Red Deer r., Alta.....           | 831 Mem 38         |
| Souris r., Sask.....             | 77 R 1013          |
| Yellowstone r., Mont.....        | 77 R 1013          |

**Populus hookeri** Heer

|                          |                        |
|--------------------------|------------------------|
| Great Bear r., Mack..... | 17, 18, 77, 136 R 1013 |
|                          | 22 D IV                |
| Mackenzie r., Mack.....  | 54 (A) R 147           |
|                          | 96 D IV                |
| Roche-Perceé, Sask.....  | 54 (A) R 147           |

**Populus latior** Braun

|                                  |                |
|----------------------------------|----------------|
| Alaska.....                      | 77 R 1013      |
| Burrard inlet, B.C.....          | 32, 136 R 1013 |
| Coal bk., N. Thompson r., B.C... | 186 (B) R 125  |

**Populus latior** Braun—Continued

|                                 |                     |
|---------------------------------|---------------------|
| Coal gully, Nicola r., B.C..... | 106 R 1013          |
| Horsefly r., B.C.....           | 27, 98, 118 R 1013  |
| Mackenzie basin, Mack.....      | 18, 136 R 1013      |
| Similkameen r., B.C.....        | 22 R 1013           |
| Lamont ck.....                  | 77, 136 R 1013      |
|                                 | 186 (B) R 125       |
| Tulameen r.....                 | 21, 101, 123 R 1013 |

**Populus latior cordifolia** Heer

|                        |                    |
|------------------------|--------------------|
| Lamont ck., B.C.....   | 120, 136 R 1013    |
| Medicine Bow, Wyo..... | 78 R 1013          |
| Tulameen r., B.C.....  | 21, 78, 123 R 1013 |

**Populus mutabilis oblonga** Braun

|                         |                         |
|-------------------------|-------------------------|
| Quilchena, B.C.....     | 78, 98, 113, 136 R 1013 |
| Thompson r., B.C.....   | 143 SR 1912             |
| Tranquille r., B.C..... | 30, 100, 116 R 1013     |

**Populus nebrascensis** Newberry

|                        |                    |
|------------------------|--------------------|
| Omineca r., Alta.....  | 31, 78, 107 R 1013 |
|                        | 36 C VII           |
| Quilchena, B.C.....    | 98, 113 R 1013     |
| Red Deer r., Alta..... | 25, 78, 136 R 1013 |

**Populus nervosa** Newberry

|                                 |            |
|---------------------------------|------------|
| Horizon.....                    | 32 R 1035  |
| Red Deer r., Alta.....          | 831 Mem 38 |
| Rocky Mountain House, Sask..... | 78 R 1013  |

**Populus newberryi** Cockerell

|                                 |                    |
|---------------------------------|--------------------|
| Calgary, Alta.....              | 13 R 1013          |
|                                 | 57 E II            |
| Coal gully, Nicola r., B.C..... | 24, 97, 112 R 1013 |
| Horsefly r., B.C.....           | 118 R 1013         |
| Paskapoo and Laramie formations | 32 R 1035          |
| Porcupine ck., Sask.....        | 11, 75 R 1013      |
| Quilchena.....                  | 98, 113 R 1013     |
| Red Deer r., Alta.....          | 13, 15, 134 R 1013 |
|                                 | 831 Mem 38         |
| Little Red Deer r.....          | 136 E II           |
| Roche-Perceé, Sask.....         | 54 (A) R 147       |

**Populus obtrita** Dawson

|                                 |                    |
|---------------------------------|--------------------|
| Blindman r., Alta.....          | 391 A XVI          |
| Coal gully, Nicola r., B.C..... | 24, 78, 136 R 1013 |
| Horizon.....                    | 32 R 1035          |
| Quilchena, B.C.....             | 25, 78, 113 R 1013 |
|                                 | 390 A XVI          |
| Red Deer r., Alta.....          | 15, 18, 136 R 1013 |
|                                 | 831 Mem 38         |
| Similkameen r., Alta.....       | 19, 99, 121 R 1013 |

**Populus perfoliata**

|                                   |          |
|-----------------------------------|----------|
| Greens ck., near Ottawa, Ont..... | 56 G XII |
|-----------------------------------|----------|

**Populus polymorpha** Newberry

|   |            |
|---|------------|
| Coal gully, Nicola r., B.C. 24, 78, 97, 112, 136 R 1013 |            |
| Quilchena, B.C.....                                     | 390 A XVI  |
|   | 831 Mem 38 |

**Populus pusillus**

|                                   |          |
|-----------------------------------|----------|
| Greens ck., near Ottawa, Ont..... | 56 G XII |
|-----------------------------------|----------|

**Populus richardsoni** Heer

|                                  |               |
|----------------------------------|---------------|
| Distribution.....                | 79 R 1013     |
| Horizon.....                     | 32 R 1035     |
| Mackenzie basin, Mack.....       | 11 R 101      |
|                                  | 17 R 1013     |
| Great Bear r.....                | 22 D IV       |
| North Saskatchewan r., Alta..... | 110 E II      |
| Red Deer r.....                  | 15, 79 R 1013 |
|                                  | 831 Mem 38    |
| Little Red Deer r.....           | 136 E II      |
| Porcupine ck., Sask.....         | 11, 79 R 1013 |
| Quilchena, B.C.....              | 831 Mem 38    |
| Wood Mountain dist., Sask.....   | 45 Mem 89     |

**Populus richardsoni** latior

SEE P. CYCLOMORPHA

**Populus rotundifolia** Newberry

|                          |                    |
|--------------------------|--------------------|
| Burrard inlet, B.C.....  | 32, 79, 136 R 1013 |
| Similkameen r., B.C..... | 19, 99, 121 R 1013 |
| Wyoming and Montana..... | 79, 136 R 1013     |

- Populus rutilans**  
Greens ck., near Ottawa, Ont. .... 56 G XII
- Populus speciosa** Ward  
Montana. .... 79 R 1013  
Omineca r., B.C. .... 31, 79, 107, 136 R 1013  
36 C VII  
Red Deer r., Alta. .... 322 SR 1913
- Populus subrotunda** Lesquereux  
Coal bk., N. Thompson r., B.C. .32, 79, 106 R 1013  
186 (N) R 125
- Populus ungeri** Lesquereux  
Golden, Colo. .... 79 R 1013  
Horizon. .... 32 R 1035  
Red Deer r., Alta. .... 15, 79, 136 R 1013  
832 Mem 38
- Populus zaddachi** Heer  
America and Europe. .... 79 R 1013  
Similkameen r., B.C. .... 19, 79, 99, 121, 136 R 1013  
Tulameen r. .... 21, 80, 101, 123 R 1013  
Thompson valley, B.C. .... 143 SR 1912  
Tranquille r., B.C. .... 30, 80, 100, 116 R 1013
- Porambonites** sp  
Stanbridge tp., Que. .... 127 J VII
- Porambonites (?) ottawaensis**  
SEE RHYNCHOTREMA OPTAWAENSE
- Porcellia manitobensis**  
SEE OXYDISCUS MANITOBENSIS
- Porcellia ornata** SEE CYRTOLITES ORNATUS
- Porcellia striata** SEE OXYDISCUS STRIATA
- Porella elegantula** d'Orbigny  
Island of Montreal, Que. .... 65 Mem 73
- Porites** sp  
Dudswell, Que. .... 55 R 5  
Hastings co., Ont. .... 123 R 10
- Porites inordinata**  
SEE HELIOLITES INORDINATUS
- Porites megastoma**  
SEE HELIOLITES MEGASTOMUS
- Porites petaliformis**  
SEE PLASMOPORA PETALIFORMIS
- Porocrinus**  
Generic characters. .... 279 R 11  
cup, fig. .... 33, 34 Dec 4
- Porocrinus conicus** Billings  
Kirkfield, Ont. .... 41 Mem 15  
Ottawa, Ont. .... 166 R 50  
described. .... 279, 280 R 11  
and fig. .... 34, P1 2 Dec 4  
Trenton formation. .... 940 R 50
- Porocrinus smithi** Grant  
Belleville, Ont.; Kentucky. .... 41 Mem 15
- Portheus**  
Notes and photo. .... 398-399 SR 1912
- Portlandia (Yoldia) arctica** Grey  
Ottawa dist., Ont. .... 11, 12 Bull 24
- Portlandia glacialis** Grey  
Coast of N.B. .... 24, 29, 30 (EE) R 125  
Laylor l., N.B. .... 28 (EE) R 125  
Moose r., Ont. .... 340 R 108
- Posidium abditum** (Haldimand)  
Blue Sea lakes, Ont. .... 388 Mem 6
- Posidonomya** sp  
Bighorn coal basin, Alta. .... 43 Mem 9
- Posidonomya amygdalina**  
SEE AMBONYCHIA AMYGDALINA
- Posidonomya obtusa**  
SEE CYRTODONTA OBTUSA
- Posidonomya orbicularis**  
SEE AMBONYCHIA ORBICULARIS
- Potamides attenuata**  
See also SCALARIA CLEMENTINA  
Europe. .... 51 R 434
- Potamides harpaeformis**  
Europe. ....  
See under SCALARIA ALBENSIS
- Potamides tenuis** Gabb  
California. .... 363 R 827  
Vancouver and adjacent islds., B.C.:  
Nanaimo group. .... 408 R 827  
notes and fig. .... 121, P1 15 R 436  
363 R 827
- Potamides tenuis nanaimoensis**  
Vancouver is. and Hornby is., B.C.,  
described and fig. .... 121, 122, P1 15 R 436  
Nanaimo group. .... 408 R 827
- Potamides tricarinata**  
Europe. ....  
See under SCALARIA ALBENSIS
- Potamogeton** sp  
Kettle r., B.C. .... 23, 80, 136 R 1013  
811 Mem 38  
Red Deer r., Alta. .... 832 Mem 38
- Potamogeton geniculatus** Braun  
Florissant, Colo. .... 812 Mem 38
- Potamogeton natans** Linnaeus  
Greens ck., near Ottawa, Ont. .... 917 R 50
- Potamogeton perfoliatus** Linnaeus  
Greens ck., near Ottawa, Ont. .... 917 R 50
- Potamogeton verticillatus** Lesquereux  
Florissant, Colo. .... 80 R 1013  
812 Mem 38  
Tulameen r., B.C. .... 21, 80, 101, 123 R 1013
- Potentilla anserina** Linnaeus  
Greens ck., near Ottawa, Ont. .... 917 R 50  
54 G XII
- Potentilla canadensis** SEE P. ANSERINA
- Potentilla norvegica** SEE P. ANSERINA
- Potentilla tridentata**  
Greens ck., near Ottawa, Ont. .... 917 R 50
- Poterioceras** sp  
Anticosti is., Que. .... 16 Bull 3  
Bruce co., Ont. .... 142, 145, 148 Mem 34  
Huron and Norfolk cos., Ont. .... 104, 140 Mem 34  
Winnipeg l., Man. .... 40 F XI
- Poterioceras apertum** Whiteaves  
Anticosti is., Que. .... 8 Bull 3  
Winnipeg l., Man. .... 43, 52, 70, 75 F XI  
description. .... 218, 219 R 615
- Poterioceras clavatum** (Hall)  
Huron co., Ont. ? .... 140 Mem 34
- Poterioceras conradi** (Hall)  
Bruce co., Ont. ? .... 148 Mem 34
- Poterioceras constrictum**  
SEE ONCOCERAS CONSTRICTUM
- Poterioceras eximium** Hall  
Haldimand co., Ont. .... 90 Mem 34
- Poterioceras gracile** Whiteaves  
Winnipeg l., Man. .... 41, 53, 72 F XI  
described. .... 219, 220 R 615
- Poterioceras nobile** Whiteaves  
Manitoba, East Selkirk. .... 79, 82 F XI  
Trenton limestones. .... 38 F XI  
various localities, described. .... 136, 216, 217 R 615  
Winnipeg l. .... 52, 71 F XI
- Poterioceras obesum** (Billings)  
Anticosti is., Que. .... 23 R 427  
58 Bull 3  
described. .... 312 R 11
- Poterioceras raphanus** (Hall)  
Bruce co., Ont. .... 142 Mem 34
- Poterioceras sauridens** Clarke and  
Ruedemann  
Essex co., Ont. ? .... 284 Mem 34



- Poteriocrinites casei**  
SEE DENDROCRINUS CASEI
- Poteriocrinus** SEE DENDROCRINUS
- Poteriocrinus (Dendrocrinus) polydactylus**  
SEE CUPULOCRINUS POLYDACTYLUS
- Pradocrinus bayliffi** (de Verneuil)  
Sabero, Spain, described..... 29 Dec 3
- Prasopora** sp  
Anticosti is., Que..... 7 Bull 3  
Beaverton area, Ont..... 297 SR 1912  
Fenelon Falls, Ont..... 260, 354 SR 1911  
Ottawa valley, Ont. and Que..... 354 SR 1911  
Quebec co., Que..... 355 SR 1911  
Ste. Elizabeth (near), Que..... 16 J XI  
Trenton formation, distribution... 342-348 SR 1912
- Prasopora affinis** Foord  
Ottawa, Ont., described and fig.. 12, Pl 3 R 438
- Prasopora hospitalis**  
SEE HOMOTRYPELLA HOSPITALIS
- Prasopora lycoperdon**  
SEE P. SIMULATRIX
- Prasopora oculata** Foord  
Ottawa, Ont..... 65 G XII  
described and fig..... 12, Pl 3 R 438  
Pakenham, Ont..... 84 J XIV
- Prasopora selwyni** Nicholson  
Abbotsford (near), Que..... 143 J VII  
Figured (as STENOPORA PETROPOLITANA)..... 156 R 50  
Highgate Springs, Vt..... 144 J VII  
Joliette, Que..... 147 J VII  
L'Original, Ont..... 142 J XII  
Montreal, Que..... 145 J VII  
Ottawa r., Ont.:  
Fox ck., Clarence tp..... 143 J XII  
Mattawa (near)..... 120, 292 R 962  
122, 298 I X  
13 R 438  
63, 67 G XII  
141 J XII  
118 K III  
St. Dominique, Que..... 141, 142 J VII  
St. Pie, Bagot co., Que..... 142 J VII  
Stony mt., Man..... 49 (c) R 132  
Trenton formation..... 28 O XIV
- Prasopora selwyni hospitalis**  
SEE HOMOTRYPELLA HOSPITALIS
- Prasopora simulatrix** Ulrich  
Beauport and Charlesbourg, Que.. 21, 118 K III  
38, 39 L V  
19, 118 K III  
Montmorency r. and falls, Que... 22, 118 K III  
40 L V  
Montreal, Que..... 343 SR 1912  
Neuveville, Que..... 342 SR 1912  
Ottawa, Ont..... 61-68 G XII  
Pakenham, Ont..... 84 J XIV  
Picton, Ont..... 346 SR 1912  
St. Alban, Ont..... 34, 35 L V  
Ste. Anne de la Pérade r., Que.... 34 L V  
St. Charles r., Que..... 37 L V  
Snake is., Georgian bay, Ont..... 108 A III  
Thorah tp., Ont..... 298 SR 1912  
Trenton Falls, N.Y..... 344 SR 1912
- Prestwichia** sp  
Minas basin, N.S..... 181 A XI
- Primitia** sp  
Almonte, Ont..... 85 J XIV  
Beechey is., Frank..... 330, 331 R 905  
Manitoulin is., Ont..... 86 Mem 83  
Montmorency r., Que..... 24, 119 K III  
41 L V
- Primitia** sp—Continued  
Ottawa dist., Ont..... 60, 61, 75 G XII  
Quebec city, Que..... 119 K III  
Ste. Ursule, Que..... 19 J XI  
Southampton is., Kee..... 334 R 905
- Primitia billingsi**  
SEE EURYCHILINA BILLINGSI
- Primitia canadensis** nana Whitfield  
Lorette, Que..... 20, 119 K III
- Primitia centralis** Ulrich  
Manitoulin is., Ont..... 91, 92 Mem 82
- Primitia concinna**  
SEE CYTHEROPSIS CONCINNUS
- Primitia cristata**  
SEE ISOCHILINA CRISTATA
- Primitia cylindrica** Jones  
Charlesbourg (near), Que..... 20 K III
- Primitia fabulina**  
Compared with P. LATIVIA..... 50 R 439
- Primitia gregaria**  
SEE ISOCHILINA GREGARIA
- Primitia lativia** Ulrich  
Anticosti is., Que..... 8 Bull 3  
Grey co., Ont..... 164, 166 Mem 83  
Manitoulin is., Ont..... 108-111, 122, 169 Mem 83  
Stony mt., Man..... 126 R 564  
53 F XI  
described and fig..... 50, 57 Pl 9 R 439
- Primitia leperditioides** Jones  
SEE P. LOGANI LEPERTITOIDES
- Primitia logani** (Jones)  
Calciferous and Chazy formations 953 R 50  
Chatham tp., Que..... 123 R 50  
Cornwall tp., Ont..... 127 R 50  
De Beaujeu is., Que..... 92 Dec 3  
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Grenville, Que. and Hawkesbury, Ont., described and fig..... 91, 101, Pl 11 Dec 3  
Mansfield tp., Que..... 65 R 977  
St. Charles r., Que..... 38 L V  
Tay tp., Ont..... 192 R 50
- Primitia logani leperditioides** (Jones)  
Pointe Claire, Que..... 140 J VII
- Primitia morgani** Jones  
Compared with ULRICHIA CONRADI 95 R 440
- Primitia mundula** Jones  
Compared with P. LATIVIA..... 50 R 439  
St. Charles r., Que..... 38 L V  
Stonehouse bk., N.S..... 72 R 439  
73 R 440
- Primitia mundula arctica** Ami  
Beechey is., Frank..... 329 R 905
- Primitia mundula effusa** Jones  
Quebec city, Que., described and fig..... 64, Pl 10 R 440
- Primitia mundula incisa** Jones  
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- Primitia muta** Jones and Holl  
Allumette is., Que., described.... 99 Dec 3  
Paquette rapids..... 58 R 977
- Primitia nodosa**  
SEE ULRICHIA NODOSA
- Primitia ovata**  
Stonehouse bk., N.S..... 73 R 440
- Primitia (Beyrichia) parallela**  
SEE BEYRICHIA PARALLELA
- Primitia pusilla**  
Compared with ISOCHILINA WHITEAVESL..... 68 R 440
- Primitia renulina**  
Compared with P. LATIVIA..... 50 R 439

|   |                                 |
|---|---------------------------------|
| <b>Primitia rugosa</b> SEE CYTHERELLA (?) RUGOSA  |                                 |
| <b>Primitia scitula</b> Jones                     |                                 |
| Hay r., Mack.....                                 | 91 R 440                        |
|   | 246, 249 R 444                  |
|   | 18, 71 D IV                     |
| <b>Primitia sigillata</b> (Jones)                 |                                 |
| Beechey is., Frank.....                           | 91 R 440                        |
| <b>Primitia trigonalis</b> (Jones and Hall)       |                                 |
| Shropshire, Eng.....                              | 91 R 440                        |
| <b>Primitia ulrichi</b> SEE PRIMITIELLA ULRICHI   |                                 |
| <b>Primitia unicornis</b>                         |                                 |
| SEE PRIMITIELLA UNICORNIS                         |                                 |
| <b>Primitia (?) walcotti</b>                      |                                 |
| SEE KIRKBYA (?) WALCOTTI                          |                                 |
| <b>Primitiella canadensis</b>                     |                                 |
| Anticosti is., Que.....                           | 8 Bull 3                        |
| <b>Primitiella ulrichi</b> (Jones)                |                                 |
| Clear l., Renfrew co., Ont.....                   | 87, 88 J XIV                    |
| Ottawa, Ont.....                                  | 53 G XII                        |
| <b>Primitiella unicornis</b> (Ulrich)             |                                 |
| Stony mt., Man.....                               | 126 R 564                       |
|   | 47, 53 F XI                     |
| <b>Primitopsis punctulifera</b> (Hall)            |                                 |
| Hamilton formation of Ont.....                    | 237 Mem 34                      |
| Lambton co., Ont.....                             | 163, 172, 179 Mem 34            |
| Theford, notes and fig.....                       | 95, 96, Pl 11 R 440             |
| Middlesex co., Ont.....                           | 161 Mem 34                      |
| <b>Prionatropis</b> sp                            |                                 |
| Graham is. and Skidegate inlet,<br>B.C. ?.....    | 66 Mem 88                       |
| <b>Prioniodus acicularis</b> Hinde                |                                 |
| Huron shale of Ont.....                           | 228 Mem 34                      |
| Lambton co., Ont.....                             | 185 Mem 34                      |
| New York state.....                               | 227 Mem 34                      |
| <b>Prioniodus armatus</b> Hinde                   |                                 |
| Elgin co., Ont.....                               | 108 Mem 34                      |
| <b>Prioniodus panderi</b> Hinde                   |                                 |
| Huron shale of Ont.....                           | 228 Mem 34                      |
| Lambton co., Ont.....                             | 184 Mem 34                      |
| <b>Prioniodus radicans</b> Hinde                  |                                 |
| Grenville, Que.....                               | 140 G XII                       |
| <b>Prioniodus spicatus</b> Hinde                  |                                 |
| Huron shale of Ont.....                           | 228 Mem 34                      |
| Lambton co., Ont.....                             | 185 Mem 34                      |
| New York state.....                               | 227 Mem 34                      |
| <b>Prionocyclus</b> sp                            |                                 |
| McLeod r., Alta.....                              | 104 SR 1916                     |
| Skagit area, B.C.....                             | 119 SR 1911                     |
| <b>Prionocyclus woolgarl</b> (Mantell)            |                                 |
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| <b>Productella exanthemata</b> Hall               |                                 |
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- Productus humboldti** d'Orbigny  
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| Newfoundland                                      | 368              | R 431        |
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| Phillipsburg, Que.                                | 124, 131         | J VII        |
| <b>Protokionoceras crebescens</b> (Hall)          |                  |              |
| Elora and Hespeler, Ont.                          | 98               | R 564        |
| described   | 37               | R 433        |
| Guelph formation of Ont.                          | 339              | R 950        |
| <b>Protokionoceras marcellense</b> (Vanuxem)      |                  |              |
| Huron co., Ont.                                   | 121              | Mem 34       |
| Perth co., Ont.                                   | 119              | Mem 34       |
| <b>Protokionoceras medullare</b> (Hall)           |                  |              |
| Elora, Ont.                                       | 37               | R 433        |
|   | 99               | R 564        |
| Guelph formation of Ont.                          | 339              | R 950        |
| <b>Protolenus</b> sp                              |                  |              |
| Long is., St. John co., N.B.                      | 231              | SR 1913      |
| St. John, N.B.                                    | 188              | A XII        |
| <b>Protopalaeaster</b> SEE HUDSONASTER            |                  |              |
| <b>Protophyllum</b> sp                            |                  |              |
| Coal bk., Pine r., B.C.                           | 121              | (B) R 147    |
| <b>Protophyllum boreale</b> Dawson                |                  |              |
| Pine and Peace rivers, B.C.                       | 31               | R 1035       |
| <b>Protophyllum haydeni</b> (Lesquereux)          |                  |              |
| Moose Mountain area, Alta.                        | 54               | R 968        |
|   | 31               | R 1035       |
|   | 50               | Mem 9        |
| <b>Protophyllum leconteanum</b> (Lesquereux)      |                  |              |
| Pine and Peace rivers, B.C.                       | 31               | R 1035       |
| <b>Protophyllum rugosum</b> Lesquereux            |                  |              |
| Pine and Peace rivers, B.C.                       | 31               | R 1035       |
| Coal bk.  | 121              | (B) R 147    |
| <b>Protospalis tigrinus</b>                       |                  |              |
| Compared with HEMIPSALODON GRANDIS.               | 7                | R 446        |
| <b>Protoretopora</b> SEE POLYPOREA                |                  |              |
| <b>Protrhyncha antiquata</b>                      |                  |              |
| Horizon   | 944              | R 50         |
| Vermont   | 80               | R 421        |
|   | 59               | R 431        |
| figured   | 281,             | 284 R 50     |
| and described                                     | 10, 11           | R 431        |
| <b>Protosalvinia huronensis</b> (Dawson)          |                  |              |
| Huron shale of Ont.                               | 189, 228         | Mem 34       |
| Lambton co., Ont.                                 | 184, 185         | Mem 34       |
| <b>Protospongia fenestrata</b> Salter             |                  |              |
| Chaudière railway bridge, Levis co., Que.         | 57, 116          | K III        |
| <b>Prototaxites</b>                               |                  |              |
| Generic characters                                | 19               | R 428        |
| and age   | 16               | R 430        |
| Notes by Dawson                                   | 108              | R 429        |
| <b>Prototaxites</b> sp                            |                  |              |
| Gaspé co., Que.                                   | 885              | R 50         |
| Bon Ami cape, fig.                                | 108              | R 429        |
| <b>Prototaxites logani</b> Dawson                 |                  |              |
| Gaspé co., Que.                                   | 394, 399         | R 50         |
|   | 7, 85, 87        | R 428        |
| described and fig.                                | 16, 17,          | P 1 2 R 428  |
| figured   | 401              | R 50         |
| Gaspé bay   | 6                | (DD) R 154   |
| <b>Protowarthia</b> SEE SINUITES                  |                  |              |
| <b>Protozuga anticostiana</b> Twenhofel           |                  |              |
| Anticosti is., Que.                               | 5, 7             | Bull 3       |
| <b>Protozyga</b> SEE ZYGOSPIRA                    |                  |              |
| <b>Protozyga exigua</b> SEE ZYGOSPIRA EXIGUA      |                  |              |
| <b>Protypus senectus</b> Billings                 |                  |              |
| Bic harbour, Que.                                 | 130              | R 68         |
| Horizon   | 952              | R 50         |
| Newfoundland                                      | 80               | R 427        |
|   | 369              | R 431        |
| figured   | 286, 288         | R 50         |
| and described                                     | 15, 16           | R 431        |
| Vermont   | 50               | R 431        |
| <b>Prunulum calococcus</b> Rüst                   |                  |              |
| Bell r., Man., described and fig.                 | 105,             | P 1 14 R 441 |
| <b>Prunus merriami</b> Knowlton                   |                  |              |
| John Day basin, Ore.                              | 80               | R 1013       |
| Quilchena, B.C.                                   | 25, 80, 99, 113, | 136 R 1013   |
| <b>Psammodus</b> sp                               |                  |              |
| Scott bk., Richmond co., N.S.                     | 63               | (F) R 147    |
| <b>Psammosteus anglicus</b> Traquair              |                  |              |
| Arisaig dist., N.S.                               | 21, 75           | Mem 60       |
| Trenholm bk., N.S.                                | 203              | A XII        |
| <b>Psaonius</b> sp                                |                  |              |
| New Brunswick and N.S., horizon                   | 37               | R 430        |
| <b>Psaonius erianus</b> Dawson                    |                  |              |
| New York state, described and fig.                | 58, 86           | R 428        |
| <b>Psaonius textilis</b> Dawson                   |                  |              |
| New York state, described and fig.                | 59, 86           | R 428        |
| <b>Pseudobaiera mcintoshii</b>                    |                  |              |
| SEE RHACIOPTERIS BUSSEANA                         |                  |              |
| <b>Pseudobornia inornata</b>                      |                  |              |
| SEE CALAMITES (PSEUDOBORNIA) INORNATUS            |                  |              |
| <b>Pseudolingula elegantula</b>                   |                  |              |
| SEE LINGULA (PSEUDOLINGULA) ELEGANTULA            |                  |              |
| <b>Pseudomelania</b> sp                           |                  |              |
| Queen Charlotte islds., B.C., notes by Whiteaves  | 49, 50, 88       | R 434        |
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| <b>Pseudomonotis (Eumicrotis) curta</b> Whitfield |                  |              |
| Bighorn coal basin, Alta.                         | 43, 47           | Mem 9        |
| <b>Pseudomonotis subcircularis</b> Gabb           |                  |              |
| Frederick is., B.C.                               | 47               | Mem 88       |
| Harbledown is., B.C.                              | 75               | Mem 23       |
| <b>Pseudomonotis substriata</b>                   |                  |              |
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| <b>Pseudophorus tectiformis</b> Whiteaves         |                  |              |
| Winnipegosis l., Man.                             | 173, 180, 203    | E V          |
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| <b>Pseudophyllites Indra</b> (Forbes)             |                  |              |
| India   | 190              | R 436        |
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| <b>Pseudoptera fibrosa</b> SEE PTERIA FIBROSA     |                  |              |
| <b>Pseudosphaerexochus apollo</b>                 |                  |              |
| SEE PILEKIA APOLLO                                |                  |              |
| <b>Pseudosphaerexochus canadensis</b> (Billings)  |                  |              |
| Anticosti is., Que.                               | 17               | Bull 3       |
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| <b>Pseudosphaerexochus (?) eryx</b> (Billings)    |                  |              |
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| Levis formation                                   | 418              | R 431        |
| Newfoundland                                      | 369, 375         | R 431        |
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| <b>Pseudosphaerexochus vulcanus</b> (Billings)    |                  |              |
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| Newfoundland                                      | 369, 375         | R 431        |
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- Psiloconcha sinuata** Ulrich  
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- Psilophyton elegans** Dawson  
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- Pteria subgibbosa** Meek  
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| <b>Pterinea bellilineata</b> Billings    |  |
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| SEE MEGAMBONIA CARDIIFORMIS              |  |
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| <b>Pterinea curlosa</b> Billings         |  |
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| <b>Pterinea elliptica</b>                |  |
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| <b>Pterinea emacerata</b> (Conrad)       |  |
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| <b>Pterinea fasciculata</b> Goldfuss     |  |
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| <b>Pterinea flabella</b> (Conrad)             |                                |
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| Haldimand co., Ont.....                       | 86 Mem 34                      |
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| <b>Pterinea lobata</b> Whiteaves              |                                |
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| <b>Pterinea prolifica</b> Billings            |                                |
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| <b>Pterinea textilis arenaria</b> (Hall)      |                                |
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\*Misprinted P. PROLIFICUS-DEMISSUS



- Pterinopecten**  
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\*Although R. INAEQUIVALVE is commonly quoted under this name, there is no certainty it is not identical with R. INCREBESCENS (Bassler's Bibliographic Index).

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|   | 49            | Mem  | 9        |
| <b>Sagenopteris mantelli</b> (Dunker)                     |               |      |          |
| Moose mt., Alta.....                                      | 54            | R    | 968      |
|   | 30            | R    | 1035     |
|   | 48            | Mem  | 9        |
| <b>Sagenopteris paucifolia</b> (Phillips)                 |               |      |          |
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| Pimainus hills, B.C. ?.....                               | 137, 408      | SR   | 1912     |
| <b>Salisburia</b> SEE <i>GINKGO</i>                       |               |      |          |
| <b>Salix</b> sp   |               |      |          |
| Hozameen range, B.C.....                                  | 487           | Mem  | 38       |
| Kluane dist., Ykn.....                                    | 206           | SR   | 1915     |
| Moose Mountain dist., Alta.....                           | 31            | R    | 1035     |
| <b>Salix flexuosa</b> Newberry                            |               |      |          |
| Coal bk., Pine r., B.C. ?.....                            | 121           | (B)  | R 147    |
| <b>Salix integra</b>                                      |               |      |          |
| SEE <i>S. WYOMINGENSIS</i>                                |               |      |          |



- Salix kamloopsiana** Dawson  
Similkameen valley, B.C. . . . . 832 Mem 38  
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- Salix laramiana** Dawson  
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- Salix lesquereuxi** Berry  
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- Salix orbicularis** Penhallow  
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- Salix perplexa** Knowlton  
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- Salix proteaefolia**  
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- Salix proteaefolia flexuosa**  
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- Salix proteaefolia linearifolia**  
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- Salix racana** Heer  
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- Salix tulameencensis** Penhallow  
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- Salix varians** Göppert  
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- Salix wyomingensis** Knowlton and  
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- Salpingostoma** sp  
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- Salpingostoma boreale** Whiteaves  
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- Salpingostoma buelli** (Whitfield)  
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- Salpingostoma expansum** (Hall)  
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- Sanguinolites tethys** Billings  
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- Sarcinula organum**  
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- Sassafras cretaceum** Newberry  
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| <b>Sigillaria (Clathraria) menardi</b>           |                              |             |
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| <b>Sigillaria organum</b> Lindley and Hutton     |                              |             |
| New Brunswick and N.S., horizon                  | 35                           | R 430       |
| <b>Sigillaria pachyderma</b> Lindley and Hutton  |                              |             |
| New Brunswick and N.S., horizon                  | 35                           | R 430       |
| <b>Sigillaria palpebra</b> Dawson                |                              |             |
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| <b>Sigillaria reniformis</b> Brongniart          |                              |             |
| New Brunswick and N.S., horizon                  | 35                           | R 430       |
| Sydney coal field, N.S.                          | 196                          | R 101       |
| <b>Sigillaria saullii</b> Brongniart             |                              |             |
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| <b>Sigillaria schlotheimiana</b> Brongniart      |                              |             |
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| <b>Sigillaria striata</b> Dawson                 |                              |             |
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- Spirifer asper** Hall  
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- Spirifer audaculus** (Conrad)  
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- Spirifer billingsanus** Miller  
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- Spirifer bimesialis** Hall  
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- Spirifer camerata** Derby  
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- Spirifer cameratus** Morton  
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- Spirifer centronatus** Winchell  
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- Spirifer clintoni**  
SEE S. GRANULOSUS
- Spirifer clio**  
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- Spirifer concinnus** Hall  
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- Spirifer condor** d'Orbigny  
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- Spirifer conradana**  
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- Spirifer (Delthyris) crispus** (Hisinger)  
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- Spirifer cultrijugatus**  
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- Spirifer cyclopterus** Hall  
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- Spirifer cyrtinaformis**  
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- Spirifer decemplicatus**  
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- Spirifer disjunctus** Sowerby  
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- Spirifer disparilis**  
SEE METAPLASIA DISPARILIS
- Spirifer divaricatus** Hall  
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**Spirifer divaricatus** Hall—Continued

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**Spirifer duodenarius** Hall

|                                |                      |
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| Essex co., Ont.....            | 208 Mem 34           |
| Famine r., Que.....            | 428 R 50             |
| Figured.....                   | 372 R 50             |
| Haldimand co., Ont.....        | 369 R 50             |
|                                | 41, 58, 65-90 Mem 34 |
| Illinois.....                  | 221 Mem 34           |
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| Onondaga limestone of Ont..... | 246 Mem 34           |
| Perth co., Ont.....            | 116 Mem 34           |
| St. George (near), Que.....    | 11 K III             |
| South America ?.....           | 221 Mem 34           |
| Torbrook (near), N.S.....      | 103 M IX             |
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**Spirifer elegantula**

|                  |           |
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| Red r., Man..... | 133 R 615 |
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**Spirifer elevatus**

|                         |           |
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| Arisaig dist., N.S..... | 15 Mem 60 |
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**Spirifer engelmanni** Meek

|                          |                  |
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| Rocky mts., B.C.         |                  |
| Elko.....                | 132, 308 SR 1913 |
| Galton range.....        | 112 Mem 38       |
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**Spirifer (Eospirifer) eudora** (Hall)

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| Thorold, Ont..... | 187 SR 1913 |
|-------------------|-------------|

**Spirifer euryteines** Owen

|                                |            |
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**Spirifer fasiger** Owen

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**Spirifer (Martinia) fimbriatus** Conrad

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**Spirifer fimbriatus** Hall

SEE RETICULARIA FIMBRIATA

**Spirifer fischeri**

SEE S. MACROPLEURA

**Spirifer fornaculus** Meek and Worthen

SEE S. EURYTEINES

**Spirifer franklini**

SEE RETICULARIA FRANKLINI

**Spirifer gaspensis** Billings

|                        |                    |
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| Gaspe co., Que.....    | 398, 410 R 50      |
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**Spirifer glabra**

SEE MARTINIA GLABRA

**Spirifer glabra franklini**

SEE RETICULARIA FRANKLINI

**Spirifer granulifera** Hall

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**Spirifer granulatus** (Conrad)

|                                |                 |
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| Hamilton formation of Ont..... | 123 R 443       |
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| Huron co., Ont.....            | 226 Mem 34      |
| Lambton co., Ont.....          | 171, 181 Mem 34 |
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**Spirifer gregarius** Hall

|                                |                 |
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| Bruce co. (L. Huron), Ont..... | 372 R 50        |
| Essex co., Ont.....            | 210, 213 Mem 34 |
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| Gaspe co., Que.....            | 428 R 50        |
| Haldimand co., Ont.....        | 73 Mem 34       |
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| Onondaga limestone of Ont..... | 246 Mem 34      |
| St. George (near), Que.....    | 11 K III        |

**Spirifer hesione**

SEE DELTHYRIS RARICOSTA

**Spirifer huronensis**

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**Spirifer inaequicostatus**

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**Spirifer inutilis** Hall

|   |                     |
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| Athabaska and Pembina rivers, Alta..... | 223, 247, 248 R 444 |
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| Mossy r., Man.....                      | 307 SR 1913         |

**Spirifer keokuk** Hall

|                              |              |
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| Flathead valley, B.C.....    | 41 (B) R 167 |
| Macdonald range, B.C. ?..... | 116 Mem 38   |

**Spirifer lamellosa**

|                    |         |
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| Torbrook, N.S..... | 95 M IX |
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**Spirifer leidyi** Norwood and Pratten

|                           |            |
|---------------------------|------------|
| Macdonald range, B.C..... | 116 Mem 38 |
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**Spirifer lenticularis**

|                                 |           |
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| Description by L. von Buch..... | 214 R 797 |
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**Spirifer liratus**

SEE STRICKLANDINIA LIRATA

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| Delaware limestone of Ont.....         | 239 Mem 34 |
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**Spirifer lyra** Kut

|                                |            |
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| Church mt. (near), B.C. ?..... | 511 Mem 38 |
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**Spirifer macropleura** (Conrad)

|                            |          |
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| Bloomington road, N.S..... | 99 M IX  |
| Figured.....               | 957 R 50 |
| Inglesville, N.S.....      | 108 M IX |
| Maine.....                 | 41 M IX  |
| New York state.....        | 355 R 50 |

**Spirifer macrothyris** Hall

|                                |                   |
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| Haldimand co., Ont.....        | 79, 85, 90 Mem 34 |
| Illinois.....                  | 221 Mem 34        |
| Onondaga limestone of Ont..... | 246 Mem 34        |
| Welland co., Ont.....          | 19 Mem 34         |

**Spirifer macrus** Hall

|  |                   |
|--|-------------------|
| Bruce co., Ont.....                      | 142, 144 Mem 34   |
| Delaware limestone of Ont.....           | 239 Mem 34        |
| Essex co., Ont.....                      | 204 Mem 34        |
| Haldimand co., Ont... 47, 73, 81, 85, 93 | Mem 34            |
| Hamilton formation of Ont.....           | 234 Mem 34        |
| Huron co., Ont. 121, 122, 130, 131, 134, | 139 Mem 34        |
| Onondaga limestone of Ont.....           | 246 Mem 34        |
| Perth co., Ont.....                      | 116, 118 Mem 34   |
| Welland co., Ont.....                    | 16, 19, 24 Mem 34 |

**Spirifer maia**

SEE MARTINIA MAIA

**Spirifer manni** Hall

|                                |                      |
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| Essex co., Ont.....            | 208, 211, 213 Mem 34 |
| Huron co., Ont.....            | 135 Mem 34           |
| Onondaga limestone of Ont..... | 246 Mem 34           |
| Welland co., Ont.....          | 19 Mem 34            |

**Spirifer marcoui** Waagen

|                           |           |
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| Alaska-Ykn. boundary..... | 97 Mem 07 |
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**Spirifer meristoides**

SEE MARTINIA MERISTOIDES

**Spirifer meusebachanus**

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**Spirifer (Delthyris) modestus** (Hall)

|                         |          |
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| Anticosti is., Que..... | 228 R 11 |
| Sedgwick l., Me.....    | 41 M III |

- Spirifer mucronatus arkonense**  
Shimer and Grabau  
Hamilton formation of Ont. .... 234 Mem 34  
Huron co., Ont. .... 226 Mem 34  
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Thedford. .... 283 sr 1912  
Middlesex co., Ont. .... 157, 162 Mem 34
- Spirifer mucronatus thedfordense**  
Shimer and Grabau  
Hamilton formation of Ont. .... 234 Mem 34  
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Lambton co., Ont. .... 178 Mem 34  
Thedford. .... 284 sr 1912  
Middlesex co., Ont. .... 160 Mem 34
- Spirifer murchisoni** Castelnau  
Don r., N.B. .... 9 N II  
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18 Q VI  
Nictaux-Torbrook dist., N.S. .... 96-103 M IX  
Oriskany sandstone of Ont. .... 250 Mem 34
- Spirifer (Eospirifer) niagarensis**  
(Conrad)  
Eramosa tp., Ont. .... 330 r 50  
Figured. .... 317 r 50  
Niagara r., Ont. .... 185, 186 sr 1913  
Thorold, Ont. .... 323 r 50  
Timiskaming l., Ont. and Que. .... 295 I X  
\*Torbrook (near), N.S. .... 102 M IX
- Spirifer nictauvensis** Dawson  
Bear r., Annapolis co., N.S. .... 115 M IX  
Beech Hill, Kings co., N.S. .... 89 M IX  
Bloomington road, N.S. .... 98 M IX  
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Meadowvale (near), N.S. .... 104 M IX  
Nictaux-Torbrook dist., N.S. .... 99, 103 M IX  
Nictaux r. .... 218 R 94
- Spirifer nikitini** Chernuishev  
Alaska-Ykn. boundary ? ..... 97-100 Mem 67
- Spirifer nympha**  
SEE RETICULARIA NYMPHA
- Spirifer (Delthyris) ohioensis** Grabau  
Essex co., Ont. .... 279 Mem 34
- Spirifer ostiolatus**  
SEE S. GRANULOSUS
- Spirifer oweni**  
SEE S. GRANULOSUS
- Spirifer pachoptera**  
New York state. .... 355 r 50
- Spirifer parryana**  
SEE S. EURYTEINES
- Spirifer pennatus** (Atwater)  
Albany r., Ont. .... 465 A XV  
Delaware limestone of Ont. .... 239 Mem 34  
Figured. .... 386 r 50  
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Huron and Perth cos., Ont. .... 118, 226 Mem 34  
Lambton co., Ont. .... 129-132 r 11  
382-385 r 50  
163-189 Mem 34  
285 sr 1912  
Middlesex co., Ont. .... 156, 157, 160 Mem 34
- Spirifer perlamellosus**  
SEE DELTHYRIS PERLAMELLOSA
- Spirifer pinonensis** Meek  
Galton range, B.C. .... 112 Mem 38  
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- Spirifer pleiopleura**  
Matane co., Que. ? ..... 413 r 50
- Spirifer plicatella** of authors  
SEE S. (EOSPIRIFER) RADIATUS
- Spirifer plicatella radiata**  
SEE S. (EOSPIRIFER) RADIATUS
- Spirifer plicatus** (Weller)  
Haldimand co., Ont. .... 65 Mem 34  
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- Spirifer pyramidalis**  
SEE CYRTINA PYRAMIDALIS
- Spirifer pyxidata**  
SEE METAPLASIA PYXIDATA
- Spirifer (Eospirifer) radiatus**  
Sowerby  
Alaska-Ykn. boundary. .... 73, 74 Mem 67  
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- Spirifer raricosta**  
SEE DELTHYRIS RARICOSTA
- Spirifer rectangulus** Kut  
Alaska-Ykn. boundary ? ..... 97 Mem 67
- Spirifer richardsoni**  
SEE MARTINIA RICHARDSONI
- Spirifer rockymontana** Whitfield  
SEE S. KEOKUK
- Spirifer (Delthyris?) rugicosta** Hall  
Arisaig dist., N.S. .... 70-73 Mem 60  
Bear r., Annapolis co., N.S. .... 115 M IX  
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- Spirifer (Delthyris?) safordi** Hall  
Haldimand co., Ont. .... 65 Mem 34  
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- Spirifer sculptilis**  
SEE DELTHYRIS SCULPTILIS
- Spirifer setigerus**  
SEE RETICULARIA SETIGERA
- ?Spirifer shephardi**  
SEE PLATYSTROPHIA ACUTILIRATA
- Spirifer spiriferoides**  
SEE ATHYRIS SPIRIFEROIDES
- Spirifer striatus** Marcou  
SEE S. MARCOUI
- Spirifer striatus** (Martin)  
Alaska-Ykn. boundary ? ..... 94, 97 Mem 67
- Spirifer striatus attenuatus** Owen  
SEE S. KEOKUK
- Spirifer striatus multicostatus**  
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- Spirifer striatus triplicatus**  
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| <b>Spirifer subattenuatus</b> Hall      |                                      |
| Athabaska r., Alta.....                 | 224, 248 R 444<br>34, 35 D V         |
| <b>Spirifer subdecussatus</b> Whiteaves |                                      |
| Hamilton formation of Ont.....          | 123 R 443<br>416 R 659<br>234 Mem 34 |
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| <b>Spirifer sublineata</b>              |                                      |
| SEE MARTINIA SUBLINEATA                 |                                      |
| <b>Spirifer submucronatus</b> Hall      |                                      |
| Don r., Victoria co., N.B.....          | 9 N II                               |
| <b>Spirifer (Delthyris) subsulcatus</b> |                                      |
| (Hall)                                  |                                      |
| Arisaig dist., N.S.....                 | 70-73 Mem 60                         |
| <b>Spirifer subsulcatus perlata</b>     |                                      |
| Stonehouse bk., N.S.....                | 75 R 440                             |
| <b>Spirifer subtilata</b>               |                                      |
| SEE S. ARGENTEA                         |                                      |
| <b>Spirifer subumbona</b>               |                                      |
| SEE MARTINIA SUBUMBONA                  |                                      |
| <b>Spirifer sulcatus</b> Hisinger       |                                      |
| Ste. Blandine, Que.....                 | 19 M III                             |
| <b>Spirifer (Delthyris) sulcatus</b>    |                                      |
| submersus (Grabau)                      |                                      |
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| <b>Spirifer superbus</b> Billings       |                                      |
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| <b>Spirifer tastubensis</b> Chernuishev |                                      |
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| <b>Spirifer tenuistriatus</b> Shaler    |                                      |
| SEE S. RADIATUS                         |                                      |
| <b>Spirifer tribulis</b> Hall           |                                      |
| Haldimand co., Ont.....                 | 65 Mem 34                            |
| Oriskany sandstone of Ont.....          | 250 Mem 34                           |
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| <b>Spirifer triplicatus</b>             |                                      |
| SEE S. CAMERATUS                        |                                      |
| <b>Spirifer tullius</b> Hall            |                                      |
| Athabaska r., Alta.....                 | 247 R 444<br>34 D V<br>224 R 444     |
| described and fig.....                  |                                      |
| <b>Spirifer (Ambocoelia) umbonata</b>   |                                      |
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| <b>Spirifer undifera</b>                |                                      |
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| <b>Spirifer unica</b>                   |                                      |
| SEE S. ARENOSUS                         |                                      |
| <b>Spirifer utahensis</b>               |                                      |
| Galton range, B.C.....                  | 112 Mem 38                           |
| <b>Spirifer vanuxemi</b> Whitfield      |                                      |
| SEE S. OHIOENSIS                        |                                      |
| <b>Spirifer varicosus</b> Hall          |                                      |
| Essex co., Ont.....                     | 378 R 50<br>204 Mem 34<br>960 R 50   |
| Figured.....                            |                                      |
| Haldimand co., Ont.....                 | 65, 85 Mem 34                        |
| Huron co., Ont.....                     | 127 Mem 34                           |
| Norfolk co., Ont.....                   | 102 Mem 34                           |
| Onondaga limestone of Ont.....          | 246 Mem 34                           |
| Perth co., Ont.....                     | 116 Mem 34                           |
| Welland co., Ont.....                   | 34 Mem 34                            |
| <b>Spirifer ventricosa</b>              |                                      |
| SEE NUCLEOSPIRA VENTRICOSA              |                                      |
| <b>Spirifer venustus</b>                |                                      |
| SEE S. DIVARICATUS                      |                                      |
| <b>Spirifer whitneyi</b> Hall           |                                      |
| Banff limestone, Alta.....              | 19 D II                              |
| Fossil mt., Alta.....                   | 306 SR 1913                          |
| Galton range, B.C.....                  | 111 Mem 38                           |

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| <b>Spirifer ziczac</b> Hall             |                                   |                           |
| SEE DELTHYRIS CONSOBRINA                |                                   |                           |
| <b>Spiriferella</b> sp                  |                                   |                           |
| Alaska-Ykn. boundary.....               | 94 Mem 67                         |                           |
| <b>Spiriferella arctica</b>             |                                   |                           |
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| Kamloops (near), B.C.....               | 122 Mem 68                        | em 34<br>1 K III          |
| <b>Spiriferina</b> sp                   |                                   |                           |
| Alaska-Ykn. boundary.....               | 98, 100 Mem 67                    |                           |
| White River dist.....                   | 77-79 Mem 50                      |                           |
| McGuire mt., B.C.....                   | 513 Mem 38                        |                           |
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| <b>Spiriferina billingsi</b> Shumard    |                                   |                           |
| Church mt. (near), B.C.....             | 512 Mem 38                        |                           |
| <b>Spiriferina borealis</b> Whiteaves   |                                   |                           |
| Liard r., B.C.....                      | 19, 49 D IV                       |                           |
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| <b>Spiriferina campestris</b> White     |                                   |                           |
| Church mt. (near), B.C.....             | 511 Mem 38                        |                           |
| <b>Spiriferina ornata</b>               |                                   |                           |
| White River dist., Ykn.....             | 76 Mem 50                         | R 167<br>3m 38            |
| <b>Spiriferina simensis</b>             |                                   |                           |
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| <b>Spiriferina (?) ziczac</b>           |                                   |                           |
| SEE DELTHYRIS CONSOBRINA                |                                   |                           |
| <b>Spirigera caput-serpentis</b>        |                                   |                           |
| SEE SEMINULA ARGENTEA                   |                                   |                           |
| <b>Spirigera charitonensis</b>          |                                   |                           |
| SEE SEMINULA ARGENTEA                   |                                   |                           |
| <b>Spirigera concentrica</b>            |                                   |                           |
| SEE ATHYRIS SPIRIFEROIDES               |                                   |                           |
| <b>Spirigera hawii</b>                  |                                   |                           |
| SEE SEMINULA ARGENTEA                   |                                   |                           |
| <b>Spirigera hirsuta</b>                |                                   |                           |
| SEE CLEIOTHYRIS HIRSUTA                 |                                   |                           |
| <b>Spirigera singletoni</b>             |                                   |                           |
| SEE SEMINULA ARGENTEA                   |                                   |                           |
| <b>Spirigera subtilita</b>              |                                   |                           |
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| <b>Spiroclytus atlanticus</b> Billings  |                                   |                           |
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| <b>Spiroclytus irregularis</b> Billings |                                   |                           |
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| <b>Stenocrinus bellevillensis</b><br>SEE OHIOCRINUS BELLEVILLENSIS  |  |
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| St. Hilaire, Que.....                                | 11 Mem 43                              |
| <b>Stomatopora arachnoidea</b> (Hall)                |  |
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| Allumette is., Que.....                              | 60 R 977                               |
| Paquette rapids.....                                 | 329 R 445<br>58, 67 R 977              |
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| <b>Straparollina daphne</b> (Billings)               |  |
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| <b>Straparollina remota</b> Billings                 |  |
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| SEE <i>EUOMPHALUS ANNULATUS</i>                      |  |
| <b>Straparollus asperostriatus</b>                   |  |
| SEE <i>STRAPAROLLINA ASPEROSTRIATA</i>               |  |
| <b>Straparollus catilloides</b> Conrad               |  |
| Port Daniel, Que.....                                | 344 R 50<br>89 R 564<br>22 R 433       |
| Wenlock limestone of Great Britain                   |  |
| <b>Straparollus circe</b>                            |  |
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| <b>Straparollus clymenioides</b> Hall                |  |
| Haldimand co., Ont.....                              | 66, 86 Mem 34                          |
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| <b>Straparollus corrugatus</b> Stauffer              |  |
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| <b>Straparollus crenulatus</b>                       |  |
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| <b>Straparollus daphne</b>                           |  |
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| <b>Straparollus levatus</b>                          |  |
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\* Called by Fenton and Fenton DOUVILLINA  
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- Triplecia (?) calcifera**  
SEE SYNTROPHIA CALCIFERA
- Triplecia (Cliftonia) calhouni** (Wilson)  
SEE OXOPLECIA CALHOUNI
- Triplecia ? congesta**  
SEE HYATTIDINA CONGESTA
- Triplecia extans** (Emmons)  
Baie St. Paul, Que. .... 14 R 7  
Composition. .... 369 R 11  
Distribution. .... 348 SR 1912  
Grenville, Que. ? .... 19 R 9  
St. Antoine, Que. .... 203 R 50  
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Trenton Falls, N.Y. .... 344, 345, 350 SR 1912
- Triplecia gracilis**  
SEE CAMARELLA LONGIROSTRIS
- Triplecia grayia** Davidson  
Scotland and Wales. .... 83 Bull 1
- Triplecia insularis**  
Anticosti is., Que. .... 14, 16 Bull 3
- Triplecia insularis anticostiensis**  
Twenhofel  
Anticosti is., Que. .... 26 Bull 3
- Triplecia lateralis** Whitfield  
Phillipsburg (near), Que. .... 123 J VII  
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- Triplecia nuclea** (Hall)  
Quebec co., Que. .... 355 SR 1911  
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- Triplecia ortonii** Schuchert and  
Twenhofel  
SEE *T. INSULARIS ANTICOSTIENSIS*
- Triplecia ? quadricostata**  
SEE HYATTIDINA CONGESTA
- Triplecia radiata** Whitfield  
Phillipsburg (near), Que. .... 130 J VII  
Stanbridge tp., Que. .... 130, 132 J VII
- Triplecia spiniferoides** McCoy  
Wales and Ireland. .... 83 Bull 1
- Triplecia (California) ulrichi**  
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- Triplasia**  
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- Tripteroceeras robsoni** Whiteaves  
Stonewall, Man., described and fig.  
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- Tripteroceeras hastatum** (Billings)  
Aylmer, Que.; Hawkesbury, Ont. 157 R 39  
Horizon. .... 157 R 39  
950 R 50  
Ottawa, Ont., described. .... 334 R 11  
Renfrew co., Ont. .... 69 R 977  
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- Tripteroceeras lambi** Whiteaves  
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Namew l., Man. .... 16 F XIII  
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- Tripteroceeras semiplanatum**  
SEE JOVELLANIA SEMIPLANATA
- Tripteroceeras servile** (Billings)  
Newfoundland, described. .... 252, 368 R 431
- Tripteroceeras xiphias** (Billings)  
Anticosti is., Que. .... 221 R 50  
22 R 427  
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318 R 11  
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- Triptoceras** SEE TRIPTEROCERAS
- Tritonium viridulum**  
SEE ADMETE VIRIDULA
- Tritonofusus kroyeri** Möller  
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| <b>Trochactaeon cylindraceus</b> Stoliczka       |                        |      |       |
| Queen Charlotte islds., B.C.?                    | 255, 257 r             | 437  |       |
|  | 287, 306 r             | 706  |       |
| described and fig.                               | 218, Pl                | 28 r | 437   |
| <b>Trochactaeon semicostatus</b> Whiteaves       |                        |      |       |
| Nanaimo, V.I., described.                        | 354 r                  | 827  |       |
| Nanaimo group.                                   | 407 r                  | 827  |       |
| <b>Trochactaeon skidegatensis</b> Whiteaves      |                        |      |       |
| Queen Charlotte islds., B.C.                     | 355 r                  | 827  |       |
| <b>Trochammina</b> sp                            |                        |      |       |
| Bonaparte r., B.C.                               | 94 (B) r               | 125  |       |
| <b>Trochita</b> sp                               |                        |      |       |
| Graham is., Q.C.I.?                              | 87 (B) r               | 132  |       |
|  | 75                     | Mem  | 88    |
| <b>Trochoceras</b> sp                            |                        |      |       |
| Bruce co., Ont.                                  | 145                    | Mem  | 34    |
| St. Marys, Ont.                                  | 192                    | A    | XI    |
| <b>Trochoceras americanum</b>                    |                        |      |       |
| SEE <i>GYROCERAS AMERICANUM</i>                  |                        |      |       |
| <b>Trochoceras andersonense</b> Grabau           |                        |      |       |
| Bruce co., Ont.                                  | 278                    | Mem  | 34    |
| Essex co., Ont.                                  | 280                    | Mem  | 34    |
| Oxford co., Ont.?                                | 275                    | Mem  | 34    |
| <b>Trochoceras costatum</b> Hall                 |                        |      |       |
| Warton, Ont.                                     | 280                    | sr   | 1912  |
| <b>Trochoceras desplainense</b> McChesney        |                        |      |       |
| Guelph formation of Ont.                         | 340                    | r    | 950   |
| Hesperer and Elora, Ont., figured.               | 36, Pl                 | 5 r  | 433   |
| notes.   | 105 r                  | 564  |       |
| <b>Trochoceras gebhardi</b>                      |                        |      |       |
| SEE <i>MITROCERAS GEBHARDI</i>                   |                        |      |       |
| <b>Trochoceras halli</b>                         |                        |      |       |
| SEE <i>PLECTOCERAS HALLI</i>                     |                        |      |       |
| <b>Trochoceras insigne</b> Whiteaves             |                        |      |       |
| Stonewall, Man., described and fig.              | 282, 283, Pl           | 41 r | 950   |
| <b>Trochoceras mccharlesi</b> Whiteaves          |                        |      |       |
| Winnipeg Lake reg., Man.                         | 38, 53, 70, 72, 82, 85 | F    | XI    |
| described.                                       | 228, 229 r             | 615  |       |
| <b>Trocholites</b> sp                            |                        |      |       |
| Montmorency and Quebec cos., Que.                | 355 A                  | XVI  |       |
|  | 355                    | sr   | 1911  |
| St. Hyacinthe, Que.                              | 151                    | J    | VII   |
| <b>Trocholites ammonius</b> Conrad               |                        |      |       |
| Clear l., Renfrew co., Ont.                      | 7, 86, 88              | J    | XIV   |
| Ottawa and vicinity, Ont. and Que.               | 58-60                  | G    | XII   |
|  | 84                     | Bull | 1     |
| <b>Trocholites canadensis</b> Hyatt              |                        |      |       |
| Quebec and Montmorency cos., Que.                | 464                    | A    | XV    |
|  | 342                    | sr   | 1912  |
| <b>Trocholites halli</b>                         |                        |      |       |
| SEE <i>PLECTOCERAS HALLI</i>                     |                        |      |       |
| <b>Trocholites multicostratus</b>                |                        |      |       |
| SEE <i>DISCOCERAS GRAFTONENSE</i>                |                        |      |       |
| <b>Trocholites planorbiformis</b> Conrad         |                        |      |       |
| New York state.                                  | 9                      | Mem  | 83    |
| <b>Trocholites undatus</b>                       |                        |      |       |
| SEE <i>PLECTOCERAS HALLI</i>                     |                        |      |       |
| <b>Trochololithus uticus</b>                     |                        |      |       |
| SEE <i>TROCHOLITES AMMONIUS</i>                  |                        |      |       |
| <b>Trochonema</b> sp                             |                        |      |       |
| Carden tp., Ont.                                 | 191                    | sr   | 1910  |
| Grand rapids, Saskatchewan r., Man.              | 8                      | Bull | 21    |
| Namew l., Man.                                   | 101                    | F    | IX    |
|  | 16, 37                 | F    | XIII  |
| Orillia N. tp., Ont.                             | 163                    | sr   | 1909  |
| Peel co., Ont.                                   | 133                    | Mem  | 83    |
| St. Armand (near), Que.                          | 125                    | J    | VII   |
| Winisk r., Ont.                                  | 274                    | r    | 950   |
|  | 18                     | r    | 1080  |
| <b>Trochonema beloitense</b> Whitfield           |                        |      |       |
| St. John l., Que.                                | 39                     | Mem  | 92    |
| <b>Trochonema (Eunema) cerithoides</b> (Salter)  |                        |      |       |
| Birdseye and Black River formations.             | 947                    | r    | 50    |
| Figured.   | 145                    | r    | 50    |
| Grattan tp., Ont.                                | 57, 58, 63             | r    | 977   |
| Paquette rapids, Ont.                            | 60, 63, 68             | r    | 977   |
| described and fig.                               | 35                     | r    | 431   |
| <b>Trochonema eccentricum</b> Ulrich             |                        |      |       |
| Winnipeg l., Man.                                | 198                    | r    | 615   |
|  | 43, 52                 | F    | XI    |
| <b>Trochonema (Eunema) erigone</b> (Billings)    |                        |      |       |
| Birdseye and Black River formations.             | 947                    | r    | 50    |
| Figured.   | 180                    | r    | 50    |
| L'Original, Ont., described and fig.             | 35, 36                 | r    | 431   |
| <b>Trochonema (Eunema) fatua</b> Hall            |                        |      |       |
| Synonym of <i>LOPHOSPIRA BICINCTA</i> .          | 79                     | r    | 564   |
| <b>Trochonema halei</b>                          |                        |      |       |
| SEE <i>EUOMPHALOPTERUS HALEI</i>                 |                        |      |       |
| <b>Trochonema inornatum</b>                      |                        |      |       |
| SEE <i>EUOMPHALUS INORNATUS</i>                  |                        |      |       |
| <b>Trochonema niota</b> Hall                     |                        |      |       |
| Minnesota.                                       | 41                     | F    | XI    |
| Winnipeg l., Man.                                | 198                    | r    | 615   |
|  | 41, 52, 69             | F    | XI    |
| <b>Trochonema ovoides</b> Grabau                 |                        |      |       |
| Bruce co., Ont.                                  | 277                    | Mem  | 34    |
| Oxford co., Ont.?                                | 275                    | Mem  | 34    |
| <b>Trochonema pauper</b> (Hall)                  |                        |      |       |
| Nepean tp., Ont.                                 | 75                     | G    | XII   |
| <b>Trochonema (Eunema) strigillatum</b> (Salter) |                        |      |       |
| Birdseye and Black River formations.             | 947                    | r    | 50    |
| Campement d'Ours is., Ont.                       | 197                    | r    | 50    |
| East Selkirk, Man.                               | 79                     | F    | XI    |
| Figured.   | 145                    | r    | 50    |
| Grattan tp., Ont.                                | 57                     | r    | 977   |
| Lower Fort Garry, Man.                           | 199                    | r    | 615   |
| Ottawa, Ont.                                     | 167                    | r    | 50    |
| Paquette rapids, Que.                            | 60, 63, 68             | r    | 977   |
| described and fig.                               | 29, Pl                 | 6    | Dec 1 |
| Winnipeg l., Man.                                | 46, 52                 | F    | XI    |
| <b>Trochonema tricarinarum</b> Billings          |                        |      |       |
| Califerous formation.                            | 947                    | r    | 50    |
| Mingan islds., Que., described.                  | 122                    | r    | 50    |
|  | 356                    | r    | 491   |
| <b>Trochonema umbilicatum</b> Hall               |                        |      |       |
| Anticosti is., Que.                              | 251                    | r    | 11    |
|  | 17                     | r    | 427   |
|  | 5                      | Bull | 3     |
| Beaver r., Sask.                                 | 19, 28                 | D    | VIII  |
| Figured.   | 145, 180               | r    | 50    |
| Grattan tp., Ont.                                | 154                    | r    | 39    |
| Horizon.   | 947                    | r    | 50    |
| New York and Tenn.                               | 157-160                | r    | 39    |
|  | 75                     | r    | 427   |
| Loughborough tp., Ont.                           | 118                    | r    | 10    |
| Montreal, Que.                                   | 137                    | r    | 50    |
| Nipissing l., Ont.                               | 119, 295               | r    | 962   |
|  | 121, 300               | r    | X     |
| North channel, L. Huron, Ont.                    | 196                    | r    | 50    |
| Ottawa, Ont.                                     | 167                    | r    | 50    |
| Paquette rapids, Ont., described and fig.        | 27, Pl                 | 6    | Dec 1 |
| Pointe Claire, Que.                              | 17                     | r    | 9     |
| Prince Edward co., Ont.                          | 342                    | sr   | 1912  |
| Rainy River dist., Ont.                          | 110                    | Mem  | 40    |
| St. John l., Que.                                | 88                     | r    | 39    |
|  | 165                    | r    | 50    |
| Ouiatchouan r.                                   | 86                     | r    | 39    |



- Turritoma constricta** (Whiteaves)  
Durham, Ont., described and fig. 25, 26, Pl 4 r 433  
Galt, Elora, Hespeler, Belwood,  
Ont., described and fig. 82, 83, Pl 12 r 564  
Guelph formation of Ont. 335 r 950
- Tuzofa retifera**  
Kicking Horse valley, B.C. 190 sr 1911
- Tylostoma bullimoides** Stoliczka  
Nanaimo, V.I. ? 372 r 827
- Typha** sp  
Red Deer r., Alta. 15, 93, 99, 140 r 1013  
833 Mem 38
- Typha latissima**  
SEE T. LESQUERBEUXI
- Typha lesquereuxi** Cockerell  
Coal gully, Nicola r., B.C. 24, 93, 97, 112 r 1013  
Horsefly r., B.C. 28, 98, 118 r 1013  
Quilchena, B.C. 26, 140 r 1013  
Tranquille r., B.C. 30, 100, 116 r 1013  
Tulameen r., B.C. 21, 101, 123 r 1013  
Uinta co., Wyo. 93 r 1013
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- Urtacrinus socialis** Grinnell  
Logan co., Kan. 359 A XVI
- Umites pusillus**  
Similkameen valley, B.C. 833 Mem 38
- Ulmophyllum** sp  
Vancouver is., B.C. 826 Mem 38
- Ulmus** sp  
Coal bk., N. Thompson r., B.C. 106 r 1013  
Coal gully, Nicola r., B.C. 24, 140 r 1013  
Coutlee, B.C. 833 Mem 38  
Kettle r., B.C. 23, 119, 140 r 1013  
812, 833 Mem 38  
Purcell range, B.C. 134 sr 1913  
Thompson r., B.C. 143 sr 1912  
Tulameen r., B.C. 101, 123 r 1013
- Ulmus columbiana** Penhallow  
Kettle r., B.C. 23, 93, 119, 140 r 1013  
833 Mem 38  
described and fig. 810, 811, Pl 8 Mem 38
- Ulmus minuta** Göppert  
Horsefly r., B.C. 28, 94, 98, 118 r 1013  
Tulameen r., B.C. 22, 94, 101, 123 r 1013
- Ulmus newberryi** Knowlton  
John Day basin, Ore. 94 r 1013
- Ulmus praecursor** Dawson  
Porcupine ck., Sask. 12 r 1013  
Tranquille r., B.C. 30 r 1013
- Ulmus protoamericana** Penhallow  
Kettle r., B.C. 23, 94, 119, 140 r 1013  
833 Mem 38  
described and fig. 809, 810, Pl 7 Mem 38
- Ulmus protoracemosa** Penhallow  
Kettle r., B.C. 23, 94, 119, 140 r 1013  
833 Mem 38  
described and fig. 809, Pls 4, 6 Mem 38
- Ulmus pusillus** SEE U. SPECIOSA
- Ulmus speciosa** Newberry  
Coal gully, Nicola r., B.C. 24, 94, 97, 112 r 1013  
Horsefly r., B.C. 28, 98, 118, 140 r 1013  
Quilchena, B.C. 25, 26, 99, 114 r 1013  
833 Mem 38  
Sophie mt., B.C. 351 Mem 38
- Ulmus tenuinervis** Lesquereux  
Porcupine ck., Sask. 12, 95, 140 r 1013  
Tranquille r., B.C. 30, 95, 100, 116 r 1013
- Ulodendron** sp  
Pictou coal field, N.S. 369 r 68
- Ulrichia conradi** Jones  
Hamilton formation of Ont. 237 Mem 34  
Thedford, Ont., described and fig. 95, Pl 11 r 440
- Ulrichia nodosa** (Ulrich)  
Anticosti is., Que. 8, 18 Bull 3
- Uncinulus abruptus** (Hall)  
St. Helen isld., Que. 156 J VII
- Uncinulus mutabilis** Hall  
Haldimand co., Ont. 65 Mem 34  
Oriskany sandstone of Ont. 250 Mem 34
- Uncinulus nucleolatus** Hall  
Ste. Blandine, Que. 19 M III  
St. Helen is., Que. 156 J VII  
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- Uncinulus stricklandi** (Sowerby)  
Bonaventure co., Que. 444 R 50
- Unio** sp  
Belly r., Alta. 64, 75 (c) r 167  
Bow r., Alta. 6 (B) r 154  
83, 85, 91 (c) r 167  
Calgary. 87 A VI  
62 sr 1914  
Clarenceville (near), Que. 925 r 50  
Cypress hills, Sask. 36, 38 c I  
Milk r., Alta. 39, 115 (c) r 167  
Fossil and Verdigris coulées. 51, 52 (c) r 167  
Nanaimo, V.I. 176 A XIII  
Nottawasaga r., Ont. 910 r 50  
Porcupine hills, Alta. 96 (c) r 167  
Rainy River dist., Ont. 55 Mem 82  
Red Deer River dist., Alta. 50, 60, 74, 91 B II  
St. Mary r., Alta. 59, 115 (c) r 167  
Souris coal field, Sask. 21, 26 (A) r 147
- Unio aduncus** Sowerby  
England, in Wealden deposits. 9, 67 r 434
- Unio albertensis** Whiteaves  
Belly r., Alta. 61 r 422  
described and fig. 3, Pl 1 r 422
- Unio aldrichi**  
Bow r., Alta. ? 82, 84 (c) r 167
- Unio borealis** Gray  
Ottawa r., Ont. 53 A II
- Unio cardium**  
Clarenceville, Que. 927, 928 r 50  
Three Rivers and Sorel, Que. 142, 202 AA XV
- Unio circulus**  
Emmiskillen tp., Ont. 901 r 50
- Unio complanatus** (Solander) Dillwyn  
Campbell r., N.B. 17 GG I  
Clear l., Renfrew co., Ont. 89 J XIV  
Essa tp., Ont. 910 r 50  
Muskoka, Ont. 109 sr 1907  
Niagara Falls, Ont. 914 r 50  
Sorel and Three Rivers, Que. 142, 202 AA XV
- Unio consuetus** Whiteaves  
Alberta, southwestern:  
described and fig. 59-61, Pl 9 r 422  
South Saskatchewan r. 59 c I  
Saskatchewan, southern. 65 c I
- Unio couesi** White  
Similar to U. CONSUETUS. 61 r 422
- Unio danae** Meek and Hayden  
SEE ALSO U. DEWAYANUS  
Bow and Belly rivers, Alta. 85 (c) r 167  
59, 65, 66 r 442  
57, 163 B II  
described and fig. 6, Pl 6 r 442  
Laramie and Belly River series. 77 r 442  
Red Deer River dist., Alta. 73, 132, 136 B II
- Unio dewayanus** Meek and Hayden  
Equivalent of U. DANAE ? 6 r 442  
S. Saskatchewan r., Alta. 66 r 442



- Unio ellipsis** Lea  
Campbell (near), Minn..... 49 E IV  
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- Unio gibbosus**  
Enniskillen tp., Ont..... 901 R 50  
Niagara falls, Ont..... 914 R 50
- Unio gonionotus** White  
Compared with *U. SUPRAGIBBOSUS* 66 R 442
- Unio haydeni**  
Wyoming, Bridger group..... 67 R 442
- Unio hubbardi** Gabb  
Compared with *U. NANAIMOENSIS* 385, 386 R 827  
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53 A II  
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230, 256 R 437
- Unio luteolus** Lamarck  
Battle l., Alta..... 37 E II  
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- Unio nanaimoensis** Whiteaves  
Nanaimo group..... 408 R 827  
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- Unio nasutus** Say  
Toronto bay, Ont..... 53 A II
- Unio orthonotus**  
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- Unio primacvus** White  
Milk r., Alta..... 59 R 422  
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- Unio primigenius**  
SEE *MODIOLOPSIS PRIMIGENIA*
- Unio priscus** Meek and Hayden  
Belly and S. Saskatchewan rivers, Alta., described and fig..... 65, Pl 10 R 442  
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- Unio rectus** Lamarck  
Clarenceville, Que..... 927, 928 R 50  
Niagara falls, Ont..... 914 R 50
- Unio senectus** White  
Bow r., Alta..... 6 R 442  
82, 84 (C) R 167  
Laramie and Belly River series... 77 R 442  
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- Unio subspatulatus** Meek and Hayden  
Equivalent of *U. DANAE*?..... 6 R 442
- Unio supragibbosus** Whiteaves  
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- Unio ventricosus** SEE *U. CARDIUM*
- Unio vetustus** Meek  
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- Unitrypa elegantissima** (Hall)  
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- Unitrypa fleticia** (Hall and Simpson)  
Onondaga limestone of Ont..... 244 Mem 34
- Unitrypa lata** (Hall)  
Onondaga limestone of Ont..... 244 Mem 34
- Unitrypa nana** (Hall and Simpson)  
Onondaga limestone of Ont..... 244 Mem 34
- Unitrypa pernodosa** (Hall)  
Haldimand co., Ont..... 84 Mem 34  
Onondaga limestone of Ont..... 244 Mem 34  
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- Unitrypa scalaris** (Hall)  
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- Urasterella pulchella** (Billings)  
Belleville and Ottawa, Ont..... 167 R 50  
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- Uronautes cetiformis** Cope  
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- Vaccinophyllum quaestum** Dawson  
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- Vaginoceras multitabulatum** (Hall)  
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- Valcourea deflecta**  
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- Vallatotheca manitoulini** Foerste  
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- Vallisneria** sp  
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- Valvata** sp  
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- Valvata filosa** Whiteaves  
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- Valvata piscinalis**  
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- Valvata sincera**  
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- Valvata tricarinata** (Say)  
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| <b>Valvulina</b> sp  |                   |             |  |
| Inner valley, Kamloops mg. div.,<br>B.C.....                     | 106               | R VII       |  |
| <b>Valvulina palaeotrochus</b> Ehrenberg                         |                   |             |  |
| Inner valley, Kamloops mg. div.,<br>B.C.....                     | 106               | R VII       |  |
| <b>Vanikoro pulchella</b> Whiteaves                              |                   |             |  |
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- Zygospira modesta** Hall  
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- Zygospira paupera** Hall  
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## LIST OF SPECIFIC NAMES

EXPLANATION. Specific names are in bold-face type. Generic names are in small capitals and italics; those in italics are treated in the main index as synonyms.

**aagardi**  
PRODUCTUS

**abavia**  
ACROTHELE

**abbreviata**  
PECOPTERIS

**abdita (um)**  
OPHITETA  
POSIDIUM

**abita**  
BRACHYPEZA

**abnormis**  
CLONOGRAPTUS  
*Dichograptus*  
*Graptolithus*

**abosoietum**  
LOXONEMA PEXATUM

**aboynensis**  
ILLAENUS

**abrogatus**  
PTEROSTICHUS

**abruptus (a)**  
BATHYURELLUS  
CTENODONTA  
PLEUROTOMARIA  
*Rhynchonella*  
SÄERICHNITES  
*Tellinomya*  
UNCINULUS

**absens**  
GYMNUSA

**abstracta**  
NEBRATA

**abyssinus**  
*Ammonites*  
SCAPHITES

**acadiae**  
HOMOEOSPIRA

**acadianus (um)**  
DADOXYLON (PALAEOXYLON)  
LEPIDOPHLOIOS

**acadica (us)**  
ANEIMITES  
CYCLOPTERIS (ANEIMITES)  
*Dictyonema flabelliforme*  
*Discina*

GRAMMYSIA  
MAZONIA  
PALAEOPTERIA  
PARMOPHORELLA

**acadiens**  
AGNOSTUS

**acadiensis (e)**  
ARCHAEOZOON  
CRANIA

ICHTHYOIDICHNITES

**acamas**  
GOLDIUS

**acanthoptera**  
STROPHODONTA  
*Strophomena*

**acanthota**  
*Delthyris*

**acerifolia**  
*Aralia*  
POPULUS

**aceroides**  
PHYLLITES  
PLATYNUS

**achates**  
*Dalmanites*  
PTERYGOMETOPUS

**acicularis**  
ANNULARIA  
ASTEROPHYLLITES  
DAMMARIA  
PRIONIODUS

**aciculata**  
MURCHISONIA

**acinus**  
CAMAROTOECHIA  
*Rhynchonella*

**acis**  
HYOLITHES  
*Theca*

**acqullunguis**  
LAELAPS

**acrea**  
*Murchisonia*  
TURRITOMA

**aculeatus (a, um)**  
DIPLOGRAPTUS  
HORMOTOMA  
LEPIDODENDRON  
*Loxonema*  
*Productus*  
SAGENARIA

**acuminatissima**  
*Terebratula*

**acuminatus (a)**  
ANNULARIA  
*Cornus*  
DAVSONIA  
*Delthyris*  
JUGLANS  
*Lingula*

LINGULELLA (LINGULEPIS)  
*Lingulepis*

MACLURITES  
*Myrica*  
ORTHIS

SEQUOIA  
SPIRIFER  
SPORANGITES  
TRIMERELLA

**acutidactylus**  
DENDROCRINUS

**acutifolia**  
*Neuropteris*

**acutiflirata**  
*Delthyris*  
*Orthis biforata*  
*Orthis (Platystrophia)*  
PLATYSTROPHIA

**acutiflora**  
ANOMOZAMITES

**acutipennis**  
ZAMITES

**acutiplicatus (a)**  
ANOPLOTHECA

*Atrypa*  
*Coelospira*  
*Leptocoelia*  
PECTEN  
RHYNCHONELLA

**acutiradiata**  
CHONETES  
*Strophomena*

**acutirostra (is)**  
*Atrypa*  
*Rhynchonella*  
ZYGOSPIRA

**acutumbona**  
*Cyrtodonta*  
VANUXEMIA

**acutus (a, um)**  
BATHYURUS  
*Bellerophon*  
BRADORONA SPECTATOR  
*Cladophlebis*  
CODASTER

NELANIA  
NYA ARENARIA  
OXYDISCUS  
PACHYDICTYA

PECOPTERIS  
PLATYCERAS  
PLEUROTOMARIA  
*Ptilodictya*  
SCHMIDTTELLA  
*Stictopora*

**ada**  
*Murchisonia*  
TURRITOMA

**adefina**  
ECTOMARIA  
*Murchisonia*

**adherens**  
STENOPORA

**adiantoides**  
GINKGO  
*Salisburya*

**adjutor**  
LOPHOSPIRA

**adrastia**  
MODIOLOPSIS

**aduata**  
RETEPORIDRA

**aduncus (a)**  
CRYPTA  
UNIO

**advena**  
PLEUROTOMARIA

**aequalis**  
MONOTRYPELLA  
PECOPTERIS  
SCAPHITES

**aequata**  
BRADORONA SPECTATOR

GEOLOGICAL SURVEY

|   |  |  |
|---|--|--|
| <b>aequidistans</b><br>CARYOSPHERA  | <b>aini</b><br>APHEROPHORA   | <b>alexandra</b><br><i>Murchisonia</i><br>OMOSPIRA   |
| <b>aequilatera</b><br>BEYRICHIA   | <b>alabamanaensis</b><br>LEPIDODENDRON   | <b>alleghaniensis</b><br>ARTHEROPHYCUS   |
| <b>aequiputels</b><br>OBOLUS  | <b>alacer</b><br><i>Asaphus</i><br>BRACHYASPIS   | <b>allumettense</b><br><i>Actinoceras</i><br>LOXOCERAS<br><i>Orthoceras</i>  |
| <b>aequistriata</b><br>NATICOPSIS   | <b>alaricus</b><br>PROETUS   | <b>alpen (a)ensis</b><br>CLADOPORA<br>CYRTINA UMBONATA<br>FAVOSITES  |
| <b>aequivallis</b><br><i>Orthis</i><br><i>Ptychoparia</i><br>RHYNCHONELLA   | <b>alaskana</b><br>ALNUS<br>DIOSPYROS<br><i>Iritis</i>   | <b>alpha</b><br><i>Asaphus</i>   |
| <b>aestitus</b><br>PTEROSTICHUS   | <b>alatus (a)</b><br><i>Avicula</i><br>EUOMPHALUS<br><i>Graptolithus</i><br><i>Haliophobus</i><br>HYOLITHES<br>LEPTOPLASTUS<br>(SPHAEROPHTHALMUS)<br>ODARALA<br>OLENUS<br>ONUSTUS<br><i>Orthis</i><br><i>Pleurotomaria</i><br>SPHAEROPHTHALMUS<br>SPIRIFER<br>TETRAGRAPTUS<br><i>Thyrsopteris</i><br><i>Trilobites</i> | <b>alpheus</b><br>TREMANTOTUS  |
| <b>affinis (c)</b><br>AGRAULOS<br>AMBONYCHIA<br>ANATINA<br>ANODONTOPSIS<br>ATRYPA<br>AVICULOPECTEN<br>CALATHIUM<br>CINNAMOMUM<br>CISSITES<br>CYCLOSTIGMA<br>CYRTINA<br>DESMOCERAS<br>DIAPHOROSTOMA<br><i>Dicelloccephalus</i><br><i>Dicellograptus</i><br><i>Dikeloccephalus</i><br><i>Heliolites</i><br>HORMOTOMA<br><i>Lingula</i><br><i>Lingulella</i><br>LYELLA<br>MACLURITES<br>NATICA<br>NILEUS<br>OBOLUS (LINGULOBOLUS)<br>ORTHODESMA<br><i>Phillipsastraea</i><br><i>Platynus</i><br>PLATYCOLPUS<br>PRASOPORA<br><i>Propora</i><br>PTYCHOPARIA<br>REMOPLURIDES<br>SAPINDUS<br>SCENELLA<br>THAMNOGRAPTUS<br>THETIS<br>ZAPHRENTIS | <b>alba</b><br>CYLICHNA  | <b>alta</b><br><i>Cytherina</i>  |
| <b>agave</b><br>PLEUROTOMARIA   | <b>albalpinensis</b><br>LINGULA  | <b>alternans</b><br>DENDROFORA<br>PROTICHNITES   |
| <b>agglomeratus (a)</b><br><i>Catenipora</i><br>CERATOPORA<br>HALYSITES   | <b>albaria</b><br>HEMIMACTRA<br>MACTRA   | <b>alternatus (a)</b><br>BROOKSELLA<br><i>Dendropora</i><br><i>Leptaena</i><br><i>Orthisina</i><br>PANENKA<br>PATULA<br>RAFINESQUINA<br>SPIRIFER<br><i>Strophomena</i> |
| <b>aggregatum</b><br>CYSTIPHYLLUM   | <b>albensis</b><br>NAUTILUS<br><i>Scalaria</i>   | <b>alterniradiata</b><br>SCHUCHERTELLA<br><i>Strophomena</i>   |
| <b>agilis</b><br>HORMOTOMA<br><i>Murchisonia</i>  | <b>albertensis</b><br>ACIPENSER<br>STRACOSAURUS  | <b>alternistriata</b><br><i>Leptaena</i><br><i>Rafinesquina</i><br>R. ALTERNATA  |
| <b>aglaspis</b><br>PEMPHIGASPIS   | <b>alberti</b><br>PALAEONISCUS<br>RHADINICHTHYS  | <b>alternoides</b><br>RHAMNUS  |
| <b>agmitus</b><br>COMPSEMYS   | <b>albertina</b><br>CTENODONTA   | <b>alticornis</b><br>CERATOPS  |
| <b>agnesensis</b><br>OLENOPSIS  | <b>albertum (a)</b><br>ASPLENIUM<br>NISUSIA<br>SYMPHOROCARPOPHYLLUM  | <b>altidens</b><br>TRACHODON   |
| <b>agnesia</b><br>PLEUROTOMARIA   | <b>albolabris</b><br>HELIX<br><i>Mesodon</i><br>POLYGYRA   | <b>altiforme</b><br>MODIOMORPHA  |
|   | <b>albula</b><br><i>Menestho</i>   | <b>altilis</b><br><i>Atrypa</i><br>BRACHYASPIS<br><i>Rhynchonella</i>  |
|   | <b>alceste</b><br>METOPTOMA  | <b>altiplicata</b><br>RHYNCHONELLA   |
|   | <b>alecyone</b><br><i>Ptilodictya</i>  | <b>altirostris</b><br>SYMBORODONTES  |
|   | <b>aldersoni</b><br>PTYOXYLON  | <b>altivolvis</b><br>LOXONEMA  |
|   | <b>aldrichi</b><br>UNIO  | <b>altus (a, um)</b><br>CARDIUM<br>CYMBOPHORA<br>CYPRINA OVATA<br><i>Cytherina</i><br><i>Inoceramus</i><br>LEPERDITIA<br>MACTRA<br>ORNITHOMIMUS                        |
|   | <b>alduini</b><br>PLEUROMYA  | <b>alveata</b><br>CENTRONELLA  |
|   | <b>alethes</b><br>CYRTOCERAS   | <b>alveolaris</b><br><i>Calamopora</i><br><i>Favosites</i><br>PALEOFAVOSITES   |

LIST OF SPECIFIC NAMES

- alveolata (us)**  
 COLUMNARIA  
 EUNICITES  
 RETEOCRINUS
- alveolus**  
 ANISOMYON  
*Helcion*
- amator**  
 ONCOCERAS
- ambigua**  
*Atrypa*  
 CAMARELLA  
 SAGENELLA  
 SEQUOIA  
*Triplecia*
- americanus (a, um)**  
 AGNOSTUS  
 ANCHURA  
*Aporrhais*  
 BARRANDEOCERAS  
 BOLBOPORITES  
*Chitambonites*  
 CORYLUS  
 CYATHOPHYLLUM  
 CYPRICARDIA  
*Cystiphyllum*  
*Dawsonoceras annulatum*  
*Dennstaedtia*  
 GORTOMYA  
 GYROCERAS  
*Hemipronites*  
*Hettangia*  
*Holoptychius*  
 HOMARUS  
*Hortholus*  
 HYOLITHES  
 ILLAENUS  
*Larix*  
 LIOSPIRA  
*Lituites*  
 LYELLIA  
 MENODUS  
 OLENOPSIS  
*Orthoceras annulatum*  
*Pleurotomaria*  
*Rhynchotreta*  
*Rhynchotreta cuneata*  
*Streptorhynchus*  
 TANCREEDIA  
 TELEPHUS  
*Trochoceras*  
*Turbo*
- amethystinum**  
 PITYOXYLON
- amherstburgensis**  
 SCHUCHERTELLA
- amiana**  
*Isochilina*
- amictus**  
 HYDROCHUS
- amii**  
 ISOCHILINA
- amissus**  
 ANTHOLITHES
- ammon**  
 CYRTOCERAS  
 PLATYCERAS
- ammonius**  
*Lituites*  
 TROCHOLITHES
- ammonoides**  
 PLANORBULINA
- amphitrite**  
 EUCONIA  
*Pleurotomaria*
- amplexicaule**  
*Diplograptus*  
 D. (GLYPTOGRAPTUS)  
*Graptolithus*
- amplimeratum**  
*Orthoceras*
- amplimarginatus**  
 BATHYURUS
- amplitubulatus**  
 HALYSITES CATENULARIA
- amplus (a)**  
 AUBLYSODON  
 LIMNAEA  
 LINGULA  
 ORBICULOIDEA  
 STROPHEODONTA  
*Strophomena*  
 STROPHONELLA  
*Strophostylus*
- amygdalina**  
 AMBONYCHIA  
*Cypricardites*  
 LEPERDITIA  
*Palaearca*  
*Posidonomya*  
 RENSSELAERIA  
 VANUXEMIA
- amygdaloidea**  
 MELAERINA
- analog**  
*Strophomena*
- anatiformis**  
 CHEIROCRINUS  
*Echinoencrinites*  
*Glyptocystites*
- anatinus**  
 CONOCEPHALITES
- anax**  
 ORTHOCERAS
- anceps**  
 AMMONITES  
 CYRTOCERAS  
 DICELLOGRAPTUS  
*Diospyros*  
 GONOCERAS  
*Ormoceras*  
*Orthoceras*  
 PERISPHINETES  
 PHACOPS
- anchiops**  
 CHASMOPS  
 DALMANITES
- ancillaria**  
 PHYSA
- anderdonense**  
 CYSTIPHYLLUM  
 C. AMERICANUM  
 TROCHOCERAS
- angela**  
 CTENODONTA  
*Tellinomya*
- angelica**  
 ATHYRIS
- angelini**  
 BATHYURUS  
 HOLOMETOPUS  
*Leperditia*  
*Triarthrus*
- angileus**  
 PSAMMOSTEUS
- angulare**  
 ARTHROCLEMA
- angulatus (a, um)**  
 APORRHAIIS  
 CHASMATOPORA  
*Cyathocrinus*  
 DENDROCRINUS  
*Kionoceras*  
 MACTRA  
*Murchisonia*  
 OGMOPHIS  
*Orthoceras (Kionoceras)*  
 PALAEOCRINUS  
*Petraia*  
*Phyllopora*  
*Phylloporina*  
*Raphistoma*  
*Retepora*  
 SPIRORBIS  
 STEPHANOCRINUS  
 STREPTELASMA  
*Subretopora*
- angulifera**  
 ORTHONOTA  
 PATULA
- angulosus (um)**  
*Conoceras*  
 ECHINOENCRINITES
- angusta**  
 APHROPHORA  
*Cypricardia*
- angustatus (a)**  
*Bellerophon*  
*Bucania*  
 LIOSPIRA  
 TREMANOTUS
- angusticameratum**  
 ENDOCERAS
- angusticaudus**  
 ISOTELOIDES
- angusticollis**  
 ILLAENUS
- angustifolius (a, um)**  
 BETULA  
*Cladophlebis acuta*  
*Cordaites*  
 CTENOPHYLLUM  
 DIPLOGRAPTUS (GLYPTOGRAPTUS)  
*Graptolithus*  
*Neuropteris*  
*N. cordata*  
 PHYLLOGRAPTUS  
 SAPINDUS  
 SEQUOIA
- angustifrons**  
 ANODONTOPSIS  
*Cypricardites*  
 MODIOLOPSIS
- angustigesis**  
 MEGACEROFS  
 MENODUS
- angustiloba**  
*Thyrsopteris*  
*T. meekiana*
- angustipennis**  
*Pecopteris*  
 PENTHETRIA
- angustus (um)**  
*Bellerophon*  
*Cyathophyllum*  
*Cypricardites*  
 TREMANOTUS
- animascensis**  
 SPIRIFER DISJUNCTUS
- anisodonta**  
 RHYNCHONELLA PUGNUS

GEOLOGICAL SURVEY

|  |   |  |
|--|---|--|
| <b>anna</b><br>CYATHOPHYLLUM<br>HORMOTOMA<br>LEPERDITIA<br><i>Murchisonia</i><br>PHYLOGRAPTUS<br><i>Pleurotomaria</i><br><i>Stylastrea</i><br>THAMNOGRAPTUS  | <b>anticostiana</b><br><i>Anabaia</i><br>LEPERDITIA<br><i>L. canadensis</i><br><i>L. fabulites</i><br>PROTOZEUGA  | <b>antiqua (a, um)</b> —Continued<br><i>Pachystroma</i><br>PARACYCLAS<br>PITUS<br>PLATEPHEMERA<br>PLEURORHYNCHUS<br>QUERCUS<br>STROMATOPORA<br>TELEOSCHISTUS |
| <b>annectans</b><br>DIPLOGRAPTUS<br><i>Graptolithus</i><br>LEPTOGRAPTUS  | <b>anticostiensis (e)</b><br>ACTINOCERAS<br>ASCOCERAS<br><i>Athyris</i><br><i>A. headi</i><br><i>Bairdia</i><br>CALAPOECIA<br>CATAZYGA (ATHYRIS)<br>CYATHOPHYLLUM<br>CYPRICARDITES<br>CYRTODONTA<br>DICTYONELLA<br>DINORTHIS<br>D. (PLAESIOMYS) PORCATA<br><i>Eichwaldia</i><br>KRAUSSELLA<br><i>Leperditia</i><br><i>Orthis</i><br>ORTHOCERAS<br>PLEUROCYSTITES<br><i>P. squamosus</i><br><i>Rhynchonella</i><br>RHYNCHOTREMA<br><i>Terebratula</i><br>TRIPLECIA INSULARIS | <b>apertus (a, um)</b><br>CENTROSAURUS<br>PETRAIA<br><i>Pleurotomaria</i><br>PROTERIOCERAS<br>RAPHISTOMA   |
| <b>annectens</b><br>CHAMPSOSAURUS<br>CLAOSAURUS  | <b>antiope</b><br>CHONETES  | <b>aphaea</b><br><i>Ambonychia</i><br>STREPTOMYTIUS  |
| <b>annelida</b><br>TUBICULUS   | <b>antipoli</b><br>FAGUS  | <b>apicalis</b><br>ORTHIS  |
| <b>annellum</b><br>ORTHOCERAS  | <b>antiquatus (a, um)</b><br>ARTHURARIA<br>CAMARELLA<br>CONOCEPHALITES<br>CRYPTOPHRAGMUS<br>DENTALIUM<br>ECHARPES<br><i>Harpes</i><br>LATHROBIUM<br>PROTORHYNCHA<br>RICANIA<br>SPHENOPHYLLUM<br>STROPHOMENA   | <b>apollinis</b><br>OBOLUS   |
| <b>annularis</b><br>STIGMARIA  | <b>antiope</b><br>CHONETES  | <b>apollo</b><br><i>Anacheirus</i><br><i>Cheirus</i><br>EURYSTOMITES<br><i>Litites</i><br>PILEKIA<br><i>Pseudosphaerezochus</i>                              |
| <b>annulatus (a, um)</b><br><i>Cannapora</i><br>CAPULUS<br><i>Cyclendoceras</i><br><i>Cyrtoceras</i><br>DAD OXYLON<br>DAWSONOCERAS<br>ENDOCERAS<br>EUOMPHALUS<br>HELIOPHYLLUM<br><i>Huronia</i><br>INOCERAMUS CONFERTIM<br>LAEVICARDIUM<br><i>Orthoceras</i><br>SPYRO CERAS<br><i>Straparollus</i> | <b>antigenensis</b><br>CARDINIA   | <b>appendiculata (um, us)</b><br>LAMNA<br><i>Lepidodendron</i><br><i>Otodus</i>  |
| <b>anodontoides</b><br><i>Cypricardites</i><br><i>Modiolopsis</i>  | <b>antiope</b><br>CHONETES  | <b>appressa (um)</b><br>DEKAYIA<br>ERIDOTRYPA<br>HOLOPEA<br><i>Loxonema</i><br>SCHIZODUS   |
| <b>anomaia</b><br>METOPTOMA  | <b>antipoli</b><br>FAGUS  | <b>approximatus (um)</b><br>CALAMITES<br>CALAMODENDRON<br><i>Monticulipora</i><br>ORTHOESMA<br>TETRAGRAPTUS  |
| <b>anomalous (a)</b><br>SCHELLWIENELLA<br>SCHUTZIA   | <b>antiquatus (a, um)</b><br>ARTHURARIA<br>CAMARELLA<br>CONOCEPHALITES<br>CRYPTOPHRAGMUS<br>DENTALIUM<br>ECHARPES<br><i>Harpes</i><br>LATHROBIUM<br>PROTORHYNCHA<br>RICANIA<br>SPHENOPHYLLUM<br>STROPHOMENA   | <b>apriniformis</b><br>HOMOSPIRA<br><i>Rhynchospira</i>  |
| <b>anserina</b><br>POTENTILLA  | <b>antiorum (a)</b><br><i>Carya</i><br>HICORIA<br>XENONEURA   | <b>aprinis</b><br><i>Atrypa</i><br>HOMOSPIRA<br><i>Rhynchospira</i>  |
| <b>anstedii</b><br>CALATHIUM   | <b>antiqua (a, um)</b><br>ADIANTHES<br>AESCULUS<br>AGRIOCHOERUS<br>BAENA<br><i>Brasenia</i><br>CALAMODENDRON<br>CAULOPTERIS<br>CLEPSIDROPSIS<br>CLIMACOGRAPTUS<br>CLINOPISTHIA<br>CONOCARDIUM<br>DAD OXYLON (PALAEOXYLON)<br><i>Buschistus</i><br>ISCHYROS AURUS<br>LEPODOPHLOIOS<br><i>Lingula</i><br><i>Lucina</i><br>MELEAGRINA<br>MONILOPORA<br>ODONTOPTERIS  | <b>aquilonaris</b><br><i>Bronteus</i><br>GOLDIUS   |
| <b>antecedens</b><br>PINTES  | <b>antiorum (a)</b><br><i>Carya</i><br>HICORIA<br>XENONEURA   | <b>aquilunguis</b><br>LAELAPS  |
| <b>anteceptus</b><br>CYCLOCYSTOIDES  | <b>antiqua (a, um)</b><br>ADIANTHES<br>AESCULUS<br>AGRIOCHOERUS<br>BAENA<br><i>Brasenia</i><br>CALAMODENDRON<br>CAULOPTERIS<br>CLEPSIDROPSIS<br>CLIMACOGRAPTUS<br>CLINOPISTHIA<br>CONOCARDIUM<br>DAD OXYLON (PALAEOXYLON)<br><i>Buschistus</i><br>ISCHYROS AURUS<br>LEPODOPHLOIOS<br><i>Lingula</i><br><i>Lucina</i><br>MELEAGRINA<br>MONILOPORA<br>ODONTOPTERIS  | <b>arabella</b><br>PLEUROTOMARIA   |
| <b>antecursor</b><br>BADISTER  | <b>antiorum (a)</b><br><i>Carya</i><br>HICORIA<br>XENONEURA   | <b>arachioides</b><br><i>Carpolithes</i><br>LEGUMINOSITES  |
| <b>antediluvianus</b><br>CALYPTITES  | <b>antiqua (a, um)</b><br>ADIANTHES<br>AESCULUS<br>AGRIOCHOERUS<br>BAENA<br><i>Brasenia</i><br>CALAMODENDRON<br>CAULOPTERIS<br>CLEPSIDROPSIS<br>CLIMACOGRAPTUS<br>CLINOPISTHIA<br>CONOCARDIUM<br>DAD OXYLON (PALAEOXYLON)<br><i>Buschistus</i><br>ISCHYROS AURUS<br>LEPODOPHLOIOS<br><i>Lingula</i><br><i>Lucina</i><br>MELEAGRINA<br>MONILOPORA<br>ODONTOPTERIS  | <b>arachne</b><br>LOPHOSPIRA<br><i>Murchisonia</i><br>PLETHOSPIRA<br><i>Pleurotomaria</i><br><i>Stricklandia</i><br>SYNTROPHIA                               |
| <b>antennarius</b><br><i>Climacograpsus</i><br><i>Climacograptus</i><br>CRYPTOGRAPTUS<br><i>Diplograpsus</i>   | <b>antiorum (a)</b><br><i>Carya</i><br>HICORIA<br>XENONEURA   | <b>arachnoidea</b><br>STOMATOPORA  |
| <b>antenor</b><br>ORTHOCERAS   | <b>antiqua (a, um)</b><br>ADIANTHES<br>AESCULUS<br>AGRIOCHOERUS<br>BAENA<br><i>Brasenia</i><br>CALAMODENDRON<br>CAULOPTERIS<br>CLEPSIDROPSIS<br>CLIMACOGRAPTUS<br>CLINOPISTHIA<br>CONOCARDIUM<br>DAD OXYLON (PALAEOXYLON)<br><i>Buschistus</i><br>ISCHYROS AURUS<br>LEPODOPHLOIOS<br><i>Lingula</i><br><i>Lucina</i><br>MELEAGRINA<br>MONILOPORA<br>ODONTOPTERIS  |  |
| <b>antheloidea</b><br><i>Conotellaria</i><br><i>Monticulipora (Constellaria)</i><br>STELLIPORA   | <b>antiorum (a)</b><br><i>Carya</i><br>HICORIA<br>XENONEURA   |  |
| <b>anthracicola</b><br>CYPRINA   | <b>antiqua (a, um)</b><br>ADIANTHES<br>AESCULUS<br>AGRIOCHOERUS<br>BAENA<br><i>Brasenia</i><br>CALAMODENDRON<br>CAULOPTERIS<br>CLEPSIDROPSIS<br>CLIMACOGRAPTUS<br>CLINOPISTHIA<br>CONOCARDIUM<br>DAD OXYLON (PALAEOXYLON)<br><i>Buschistus</i><br>ISCHYROS AURUS<br>LEPODOPHLOIOS<br><i>Lingula</i><br><i>Lucina</i><br>MELEAGRINA<br>MONILOPORA<br>ODONTOPTERIS  |  |
| <b>anthracinus</b><br>BADISTER   | <b>antiorum (a)</b><br><i>Carya</i><br>HICORIA<br>XENONEURA   |  |

LIST OF SPECIFIC NAMES

**arata**

*Atrypa*  
MERETRIX  
PENTAMERELLA  
*Pentamerus*  
*Spirifer*  
YOLDIA

**arborescens**

PECOPTERIS

**arbuscula (um)**

DICTYONEMA  
FAVOSITES  
*Inocaulis*

**arcana (um)**

FORMICA  
OLOPHRUM

**archaius**

PROMASTAX

**archiacana**

*Murchisonia*

**archiaci**

CRASPEDOPHYLLUM  
CREPIDOPHYLLUM  
*Diphyphyllum*

**archimedes**

DAEDALUS  
*Spirophyton*  
TAONURUS

**arctatus (um)**

CIONODON  
ELOTHERIUM

**arctica (um, us)**

ASTARTE  
*Cyathophyllum*  
*Cystiphyllum americanum*  
ENCRINURUS  
EQUISETUM  
HORMOTOMA  
*Leda*  
LEPERDITIA  
*L. balthica*  
PLANOLITES  
POPULUS  
PORTLANDIA (YOLDIA)  
PRIMITIA MUNDULA  
SAXICAVA  
S. RUGOSA  
SPIRIFERELLA  
*Thinnfeldia*  
TRICHOPTROPIS  
YOLDIA  
ZAMITES

**articameratum**

*Cyrtoceras*  
MAELONOCERAS

**arctipora**

BYTHOPORA  
*Philodictya*

**arctostriatus (a)**

*Hemiponites chemungensis*  
*Orthisina*  
SCHELLWIENELLA  
SCHUCHERTELLA CHEMUNGENSIS  
*Streptorhynchus*  
*S. chemungensis*  
*Strophomena*

**arcturus**

*Iliaenus*  
THALEOPS

**arcuatilis**

*Ostrea*

**arcuatus (a, um)**

ARABELLITES  
A. SIMILIS  
*Athyris (Merista)*  
BATHYURUS  
CHONETES  
DIDYMOGRAPTUS  
*Douwillina*  
GRAMMYSIA  
*Graptolithus*  
*Merista*  
MERISTELLA  
*Olenus*  
*Paradozides*  
RHINEASTES  
STROPHODONTA  
*Strophomena*

**arculatum (us)**

*Buccinum*  
MAROCHILINA

**arcuoliratum**

ORTHO CERAS

**arenacea**

ANTHRACOMYA  
*Naiadites*

**arenaceus**

*Calamites*

**arenaria**

ACTINOPTERIA TEXTILIS  
*Delthyris*  
*Holopea*  
*Murchisonia*  
MYA  
PHOLIDOPS  
PLETHOSPIRA  
PTERINEA TEXTILIS

**arenarium**

OGMOPHIS

**arenoliratum**

CYCLOCERAS

**arenosus (a)**

AVICULA  
*Conocephalites*  
*Delthyris*  
LYONSIA  
SPIRIFER  
TENTACULITES

**areolata**

ASPIDOPORA  
SPATIOFORA  
STIGMARIA

**arethusa**

LEPTAENA  
*Stricklandinia*  
*Strophomena*  
SYNTROPHIA

**areyi**

EOTOMARIA

**argentarius**

*Spirifer*

**argentata**

MARGARITA

**argentea**

*Athyris*  
CAMAROTOECHIA  
LEPERDITIA  
*Rhynchonella*  
SEMINULA  
*Terebratula*

**argo**

*Bellerophon*  
OXYDISCUS

**arguta**

NYASSA  
*Philodictya*

**arctiformes**

*Balatonites*

**arctinus**

SPIROBIS

**arisaigensis**

DENDRODUS  
MURCHISONIA  
PLEUROTOMARIA

**aristides**

CYRTO CERAS

**arizonica**

PINUS

**arkonensis (e)**

BACTRITES  
FENESTELLA  
GENNAEOCRINUS  
ORTHO CERAS  
PLATYCERAS  
PLEUROTOMARIA  
POLYFORA  
SPIRIFER MUCRONATUS  
SPIROBIS

**armadillo**

NILEUS

**armanda**

*Orthis*  
SYNTROPHIA

**armatum (a, us)**

ANISOCERAS  
*Arthroclema*  
*Bathyrurus*  
BUMASTUS  
HELOFORA  
*Iliaenus*  
ISOCHILINA  
*Leperditia*  
PLETHOPELTIS  
PRIONIODUS

**armosus**

*Eucalyptocrinus*  
*Glyptaster*  
GLYPTOCRINUS (EUCALYPTO-  
CRINUS)  
SIPHONOCRINUS

**armstrongi**

PINUS

**aroides**

PHYLLITES

**arrectus**

*Spirifer*

**arrialoorensis (sc)**

AMMONITES  
ANCHISTOMA

**arseneau**

PRODUCTUS

**artemesia**

HORMOTOMA  
*Murchisonia*

**artemis**

LINGULA  
PLEUROTOMARIA

**artemisiacifolia**

SPHENOPTERIS

**artemisiacifolioides**

*Sphenopteris*

**articameratum**

MAELONOCERAS

GEOLOGICAL SURVEY

**articulatum (us)**

CYATHOPHYLLUM  
*Madreporites*  
PALAEOPHYCUS

**articulosus**

*Calacrocinus*  
*Castrocinus*  
CREMACRINUS  
*Heterocrinus*

**arundinaceum**

DIPHYPHYLLUM  
*Diplophyllum*

**arundiniforme**

*Equisetum*

**asarifolia**

FICUS

**ascarla**

ACLIS (ALVANIA)  
*Alvania*

**ashburnerii**

CYMBOPHORA  
*Maetra*

**ashmani**

*Orthodesma*

**asiminaefolia**

FICUS

**asper (era, erum)**

*Atrypa*  
ATRYPA RETICULARIS  
ATHYRIS RETICULARIS  
BACULITES  
CHASMATOPORA  
*Favosites*  
*Fenestella*  
*Gorgonia*  
LINGULELLA RADULA  
LOPHOSPIRA  
*Monticulipora*  
*Murchisonia*  
NAUTILUS  
PALAEOSCINCUS  
PALEOFAVOSITES  
*Phylloporina*  
SEATHOPORA  
SPIRIFER  
*Subretopora*  
VIBURNUM

**asperatus (a)**

*Archaeocrinus*  
CONULARIA  
DEOCRINUS  
*Rhodocrinus*

**asperostriatus (a)**

STRAPAROLLINA  
*Straparollus*

**asplenifolia**

MYRICA

**assimilis**

*Belemnites*

**assinibolensis**

MEGACEROPS  
MESOHIPPUS

**astartaeformis**

CRENODONTA  
*Tellinomya*

**astericus**

PENTACRINITES

**astierianus**

AMMONITES

**astriformis**

*Plasmopora*

**atavus**

BULINUS  
LEPTOBOLUS  
*Linuparis*

**athabascense**

CYATHOPHYLLUM  
DESMOCERAS

**atheroidea**

LISSATRYPA

**athleta**

CHEMNITZIA

**atlanticus (a)**

*Archaeocyathus*  
BEYRICHIA  
ECCYLIOMPHALUS  
HARPIDES  
MACLURITES  
SPIROCYATHUS

**atlas**

*Homalonotus*  
NAUTILUS

**atractopyge**

ZETHUS

**atrox**

CREBOSAURUS

**attenuatus (a, um)**

*Acrotreta*  
ACTAEON  
*Chioderma*  
EUNELLA  
*Lingula*  
LINGULA  
MODIOLA  
MODIOMORPHA  
NEUROPTERIS  
PLATYCERAS  
POTAMIDES  
PTEROTHECA  
*Solidula*  
*Spirifer*  
*S. striatus*  
TENTACULITES  
*Volsella*

**atticus**

ORTHO CERAS

**audaculus**

SPIRIFER

**augusta**

*Crepicephalus*  
LONCHOCEPHALUS  
METOPTOMA

**augustina**

LOPHOSPIRA  
MURCHISONIA

**aulema**

*Endoceras*  
NANNO

**auloporoides**

*Alecto*  
PROBOSCINA

**aurantium**

ECHINOSPHERITES

**aurelia**

*Orthis*  
PLECTORTHIS

**aureiculata**

NEUROPTERIS

**aurora**

*Chonetes*  
C. LOGANI  
*Chonocephalites*  
*Lingula*  
LINGULELLA

**aurora**—Continued

RAFINESQUINA  
*Strophomena*

**auroralis**

TRIARTHRELLA

**ausceanus**

ARCESTES

**austini**

ACERVULARIA

**australis**

RECEPTACULITES

**autolyceus**

ORTHO CERAS

**avellanum**

TRIGONOCARPUM

**aviculoidea**

MEGAMBONIA  
*Pterinea*

**aviformis**

*Avicula*

**avunculus**

PENTHETRIA

**avus**

ORCHESTES  
PENTHETRIA

**aylesfordii**

PENTAMERUS

**aymara**

*Orthis*

**babel**

ACROTRETA

**baccata**

*Taxus*

**backi (i)**

ACTINOCERAS  
*Orthoceras*

**baileyi**

*Acrotreta*  
CARDIOCARPON  
*Pinus*

**bairdi**

MESOHIPPUS

**balanoides**

BALANUS

**balsamifera**

POPULUS

**balsamoides**

POPULUS

**balteatum**

*Orthoceras*  
SPYRO CERAS

**balt(h)ica**

ACERVULARIA  
*Cythere*  
LEPERDITIA  
MACOMA

**banffensis**

COELACANTHUS

**banksi (i)**

ASTARTE (NICANIA)  
*Nicania*

**bannisteri**

*Cyrena (Veloritina)*

**baptista**

NERITINA  
VELATELLA

**barabini**

INOCERAMUS  
*I. crippsii*

LIST OF SPECIFIC NAMES

**barahuensis**

*Dicellosephalus*  
*Dicellograptus*  
*Dikelocephalus*  
*Leptaena*  
*Orthis*  
PLATYCOLPUS  
PTYCHASPIS  
SYNTROPHIA

**barbatulus**

*Diplograptus*

**barrandi**

AGLASFIS  
*Amphion*  
AMPLEXOPORA  
ASAPHUS  
*Barrandella*  
BASILICUS  
CAMAROTOECHIA  
CANADOCYSTIS  
*Capillaris*  
*Clorinda*  
HETEROTRYPA  
*Malocystites*  
*Ogygia*  
*Pentamerus*  
PLETHORHYNCHA  
PLIOMEROPS  
*Rastrites*  
*Reteograptus*  
*Thamnograptus*  
VIRGINANA

**barriensis**

*Bumastus*  
*Iliaenus (Bumastus)*

**barrisi**

MERISTELLA

**bartonense**

*Orthoceras*

**basalticus (a)**

*Calamopora*  
FAVOSITES

**basilis**

GLYPTOCRINUS

**batesi**

AMMONITES  
LYTOCERAS

**battis**

HEBERTELLA  
*Orthis*

**baueri**

BEYRICHLA

**bavaricum**

EOOZON

**bayerquei**

CYPRACA

**bayfieldi**

ACTINOCERAS  
ILLAENUS  
*Orthoceras*  
VANUXEMIA

**bayleyi**

*Conocephalites*  
CONOCORYPHE  
PRADOCRINUS

**baynesiana**

GINKGO  
*Salisburia*

**beani**

PALESCHARA

**beatrice**

LOPHOSPIRA

**beatricea**

MURCHISONIA

**beatriciana**

BETULA

**beauharnoisensis**

PALAEOPHYCUS

**beaumonti**

*Pentamerus*

**beauportense**

*Orthoceras*  
SPYRO CERAS

**bebryx**

DALMANITES

**becki (t)**

*Calymene*  
ENDOCERAS  
ORTHOCERAS  
*Paradoxides*  
STROPHODONTA  
*Strophomena*  
TRIARTHURUS

**beecheri**

ANTODETUS

**beechiensis**

EUOMPHALUS

**beekmanensis**

EUCONIA  
*Pleurotomaria*

**belatonicus**

BALATONITES

**belgicus**

*Arius egertoni*

**bella**

*Thyrsopteris*

**bellarugosa**

*Glyptorthis*  
HEBERTELLA (GLYPTORTHIS)  
*Orthis*

**bellatula (um)**

CALLONEMA  
KIONOCERAS  
*Nucula*  
*Orthoceras*

**bellevillensis**

BUMASTUS  
*Heterocrinus*  
OHIOCRINUS  
*Stenocrinus*

**belli**

ANOMOCARELLA  
CHASMOSA URUS  
CHONOPHYLLUM  
*Dicellosephalus*  
*Dikelocephalus*  
LINGULA (PALAEOGLOSSA)  
MONOCLONIUS  
*Obolus*  
PTYCHOPHYLLUM  
TRIARTHURUS

**bellicincta**

HORMOTOMA  
*Murchisonia*  
PLEUROTOMARIA

**bellilineata**

PTERINEA

**bellistriatus (a, um)**

AMBONYCHIA  
CAMPTONECTES  
CYPRICARDELLA  
*Eodon*  
*Microndon*  
*Microndonella*  
NUCULA  
ZAPHRENTIS

**bellulus (a, um)**

CYCLOCYSTOIDES  
CYCLONEMA  
CYPHASPIS  
ESTHERIA  
GONIOPHORA  
HELOPORA  
ISOCHELLINA  
MESOPALAEASTER  
*Petraster*

**bellus (a, um)**

ATHYRIS  
AVICULOPECTEN  
CRANIA  
FENESTELLA  
IPHIDEA  
LINGULELLA  
*Meristella*  
OPHILETA  
*Thyrsopteris*

**bellusus**

TENTACULITES

**belmontensis**

*Rhamnus*

**beloitense**

ACTINOCERAS  
*Orthoceras*  
TROCHONEMA

**belti**

ACROTRETA  
LINNARSSONIA  
*Obolella*

**benepuncta**

BRADORONA OBSERVATOR

**bennetti**

HOPLOPARIA  
PARADOXIDES

**berendti**

APHAENOGASTER

**bernensis**

*Camarella*

**beta**

GOMPHOCERAS

**boudanti**

*Ammonites*  
*Haploceras*

**beverleyensis**

PALAEOPHYCUS

**bialveata**

*Delthyris*  
RHYNCHONELLA

**biangulata**

APORREHIS

**bicarinatus (a)**

DYSGANUS  
LOPHOSPIRA  
PLANORBIS

**bicincta**

HORMOTOMA  
LOPHOSPIRA  
*Murchisonia*  
*Pleurotomaria*  
VALVATA

**bickmoreanus (um)**

*Lituites*  
PLECTOCERAS

**bicornata**

MOOREA

**bicornis**

CLIMACOGRAPTUS  
*Graptolithus*

- bicostatus** (a)  
*Orthis*  
RETICULARIA  
*Spirifer*
- bicurvatus**  
AMMONITES
- bidorsatus** (a, um)  
*Bellerophon*  
*Bucania* (*Bellerophon*)  
TETRAZOTA
- bifidus** (a)  
DIDYMOGRAPTUS  
*Graptolithus*  
*Pleurotomaria*
- biforata**  
*Orthis*  
PLATYSTROPHIA
- bifurcatus** (a)  
ARIONELLUS  
CLADOPORA  
PTERISPERMOSTROBUS  
*Spirifer*  
*Strophomena*  
SYRINGOPORA
- biggsbyi**  
ACTINOCERAS  
*Cyclaster*  
EDRIOASTER  
*Edriocystis*  
*Graptolithus*  
HURONIA  
MACLURITES  
*Ormoceras*  
*Orthoceras*  
PUPA  
*Tetragraptus*  
ZEPHRENTIS
- bilateralis**  
*Caninia*  
CONIOTRYPA  
STREPTELASMA  
*Zephrentis*
- bilineatum**  
*Orthoceras*  
SPYRO CERAS
- bilinica**  
*Juglans*
- bilix**  
CYCLONEMA  
*Pleurotomaria*
- billingsanus** (a)  
MURCHISONIA  
SPIRIFER
- billingsi**  
*Agelacrinites*  
*Alveolites*  
APARCHITES  
BILLINGSBELLA  
BUMASTUS  
CAMAROTOECHIA  
CLISIOPHYLLUM  
*Cyathophyllum*  
CYRTINA  
*Cyrtoceras*  
EURYCHILINA  
FAVOSITES  
*Glyptocrinus*  
HEMICYSTITES  
HYOLITHES  
*Leperditia*  
LICHAS  
*Monticulipora*  
NIESZKOWSKIA  
NYCTOPORA  
ORBIGNYELLA  
*Orthis*
- billingsi**—Continued  
OTA WACRINUS  
*Paracyclas*  
PERIGLYPTOCRINUS  
PHILLIPSASTRAEA  
*Primitia*  
RHYNCHONELLA (*STENOCHISMA*)  
SPIRIFERINA  
*Stenochisma*  
STROPHOMENA  
ZITTELOCERAS
- bilobatus** (a, um)  
*Bellerophon*  
CHALCOTHERIUM  
*Cruziana*  
*Cyrtolites*  
*Rusophycus*  
SINUITES  
SPORANGITES
- bilobus** (a)  
*Anomia*  
BILOBITES  
*Fucoides*  
*Orthis*  
RUSOPHYCUS  
*Spirifer*
- bimesialis**  
SPIRIFER
- bimucronatus**  
*Ceraurus*  
*Lasiograptus*
- binerve**  
LEPIDODENDRON
- binodatus**  
PACHYDISCUS
- binodosus**  
CONOCEPHALITES
- biordo**  
HEMISTRYPA
- biarticulatus**  
MYLEDAPHUS
- biperforata**  
FENESTRIFORA
- biplicata**  
*Cyrtia*  
CYRTINA  
SPIRIFER
- bipunctata**  
*Eschera*  
*Philodictya*
- bisectata** (um)  
ACROTRETA  
CARDIOCARPON
- biseriata**  
FENESTELLA
- bisinuatus**  
*Pentamerus*  
P. OBLONGUS
- bispiralis**  
LOPHOSPIRA  
*Pleurotomaria*
- bistigmata**  
SEMIOPORA
- bisulcatus** (a)  
*Atrypa*  
*Camarella*  
CFENICHNITES  
CYCLOSPIRA  
GRAMMYSIA  
NUCULANA  
*Orthis*  
*Rhynchonella*
- bituberculatus**  
*Bathyurus*  
LLOYDIA
- birigata**  
NUCULA
- bivittatus** (a)  
CORLOCAULUS  
*Murchisonia*
- blagdeni**  
AMMONITES
- blainvillei**  
*Columnaria*  
STROPHODONTA  
*Strophomena*
- blancha**  
*Athyris*
- blandum**  
CARDIUM
- blomstrandii**  
*Sphenopteris*
- bloomfieldensis**  
*Strotocrinus*
- blumenbachi**  
CALYMENTE  
*Conocardium*  
EUCHASMA
- bockschi**  
CYCLOPTERIS (*ANEIMITES*)
- bohemica** (um)  
ACROTHELE  
ASCOCERAS
- boothii**  
*Cryphaeus*  
DALMANITES
- borassifolius** (a)  
CORDAITES  
*Flabellaria*
- borealis** (c)  
ANISOMYON  
ASTARTE (*TRIDONTA*)  
*Athyris*  
BYSSONYCHIA RADIATA  
CAMAROTOECHIA  
CATAZYGA HEADI  
DIOONTITES  
GERVILLIA RECTA  
GONIOMYA  
HEBERTELLA  
HOLOPEA  
LEGUMINOSITES  
NORDENSKIÖLDIA  
*Orthis*  
PENTAMERELLA  
*Pentamerus*  
*Pholadomya* (*Goniomya*)  
PROTocardia  
PROTOPHYLLUM  
*Psilocoeloceras sinuata*  
SALPINGOSTOMA  
SCALARIA  
SCHLOENBACHIA  
SPIRIFERINA  
TRAPA  
*Trichotropis*  
TRIMERELLA  
UNIO  
XYLOMITES
- bosworthi**  
ALBERTELLA
- botellus**  
ALLONEMA
- botryoideum**  
*Coenostroma*



LIST OF SPECIFIC NAMES

|   |   |   |
|---|---|---|
| <b>bouchardi</b><br>ILLAENUS<br>PACHYPHYLLUM  | <b>brevis</b><br>CLADOPHORUS<br>MATHERIA<br>STRICKLANDINIA  | <b>buddha</b><br><i>Ammonites</i><br>LYTCERAS   |
| <b>boulayana</b><br>MAGNOLIA  | <b>brevispira</b><br>EUNEMA<br>GYRONEMA<br>MURCHISONIA  | <b>buelli</b><br><i>Bucania</i><br>SALPINGOSTOMA  |
| <b>bovidens</b><br>DIELASMA<br><i>Terebratula</i>   | <b>brevisulcata</b><br>POLYORA  | <b>bufo</b><br><i>Calymene</i><br>PHACOPS   |
| <b>bowdeni</b><br>LOPHOSPIRA<br><i>Murchisonia</i>  | <b>breviuscula</b><br>CTENODONTA<br><i>Cypricardites</i><br>CYRTODONTA                                | <b>bulbosus (a)</b><br>ANCYROCRINUS<br>CYPHOTRYPA<br><i>Stenopora</i>   |
| <b>boydi</b><br>ACTINOPTERIA<br>LOXONEMA<br><i>Murchisonia</i>  | <b>brewerianus (a)</b><br><i>Ammonites</i><br>ARCA<br>PINNA   | <b>bulimoides</b><br>TYLOSTOMA  |
| <b>boylei</b><br>EURYPTERUS (TYLOPTERUS)<br><i>Hormotoma</i><br><i>Murchisonia</i><br>TURRITOMA   | <b>breweri</b><br>AMMONITES<br>DESMOCERAS<br>HAPLOCERAS<br><i>Pholadomya</i><br><i>Puzosia</i>        | <b>bullatus (a)</b><br>AMMONITES<br>PEMPHIGASPIS  |
| <b>brachiatus</b><br>TETRAGRAPTUS   | <b>bridgetonensis</b><br>ANOMALOPHYLLITES   | <b>bulloides</b><br>GLOBIGERINA   |
| <b>brachynota</b><br><i>Delthyris</i>   | <b>briseis</b><br>LINGULA   | <b>burejensis</b><br>CONIOPTERIS<br><i>Dicksonia</i>  |
| <b>brachyodon</b><br>PALAEOLOGUS  | <b>brocki</b><br>EMERALDELLA<br>HELICOTOMA  | <b>burgessi</b><br>ANTHOMYIA<br>SEQUOIA   |
| <b>brachythynchus</b><br>ANCODON<br>HYOPOTAMUS  | <b>broderipii</b><br>PALEOCORYSTES  | <b>burpeana</b><br>SASSAFRAS  |
| <b>brachystylus</b><br>MESOHIPPUS   | <b>brongniarti</b><br>BETULA<br><i>Ormoceras</i>  | <b>burrardiana</b><br>CARBON  |
| <b>braikenridgi</b><br>AMMONITES<br>STEPHANOCERAS   | <b>bronni</b><br>AVICULA  | <b>burrowsi</b><br>OBOLUS   |
| <b>brainerdi</b><br>CAMEROCERAS<br>(PROTEROCAMEROCERAS)<br><i>Orthoceras</i>  | <b>brontes</b><br>ORTHOCERAS  | <b>bursa</b><br>RHODOCRINUS   |
| <b>bretonensis</b><br>BELLEROPHON<br><i>Favularia</i><br>OBOLUS (PALAEOBOLUS)<br><i>Palaeobolus</i><br>SIGILLARIA<br>SIGILLARIA (FAVULARIA)<br>SOLENOPLEURA | <b>brookensis</b><br><i>Glyptostrobos</i>   | <b>burtoni</b><br>STRINGOCEPHALUS   |
| <b>breviceps</b><br><i>Bathyurus</i><br>LEIOSTEGIUM<br>TRACHODON  | <b>brookfieldi</b><br>NAUTILUS  | <b>busseana</b><br>RHACHIOPTERIS  |
| <b>brevicollis</b><br>CHAMPSOSAURUS   | <b>browniana</b><br>CLADOPHLEBIS<br><i>Pecopteris</i>   | <b>cadens</b><br>DICTYONEMA   |
| <b>brevidens</b><br>BLEDIUS   | <b>browni</b><br>CYCLOPTERIS (PLATYPHYLLUM)<br>ELONGICHTHYS<br>PALAEOISCUS<br>SIGILLARIA              | <b>cadmus</b><br><i>Orthoceras</i>  |
| <b>brevifolia (um)</b><br><i>Baiera</i><br>LEPIDOPHYLLUM<br>SEQUOIA   | <b>bryonoides</b><br><i>Graptolites (Didymograpsus)</i><br><i>Graptolithus</i><br><i>Tetragraptus</i> | <b>caduceus</b><br><i>Didymograpsus</i><br><i>Didymograptus</i><br>D. (ISOGRAPTUS)<br><i>Graptolithus</i><br><i>Isograptus</i><br><i>Tetragraptus</i> |
| <b>brevior</b><br>CUNEAMYA SCAPHA   | <b>buccata</b><br>LEDA<br>L. PERNULA  | <b>caeca</b><br><i>Acmaea</i><br>LEPERDITIA<br>L. HISINGERI<br>LEPETA   |
| <b>brevipes</b><br>PENTHETRIA   | <b>bucculentum</b><br>PLATYCERAS  | <b>caecigena</b><br>LEPERDITIA  |
| <b>brevipinnis (e)</b><br>AMYZON<br><i>Cladophlebis</i><br><i>Thyrsopteris</i>  | <b>buchelians</b><br>STROMATOPORA   | <b>caelatus (a)</b><br><i>Climacograptus</i><br>DISCINA<br>TURBO  |
| <b>breviplicata</b><br>CAMARELLA  | <b>buchianus (um)</b><br>DIOONTES<br><i>Pterophyllum</i>  | <b>caespitosum</b><br><i>Campophyllum</i><br>CYATHOPHYLLUM<br><i>Cystiphyllum</i><br>DIPHYPHYLLUM<br>LITHOSTROTION                                    |
| <b>brevirostris</b><br>ANASTROPHIA<br><i>Pentamerus</i><br>PERISSOLAX<br><i>Rhynchonella</i><br><i>Terebratula</i>  | <b>bucinum</b><br>NEPHRITICERAS   | <b>cairnsi</b><br>PALAEOISCUS<br>RHADINICHTHYS  |
|   | <b>bucklandi</b><br>ORTHOCERAS<br>PECOPTERIS  | <b>calamarius</b><br>DICLONIUS  |

GEOLOGICAL SURVEY

**calamitoides**

PINNA

**calcareo**

TELLINA

**calceolus (a)**

GRYPHALA

PTYETODUS

*Rinodus*

**calciferus (a)**

*Camarella*

FUSISPIRA

*Nautilus*

PLEUROTOMARIA

RECEPTACULITES

RIBERIA

STROMATOCERIUM

*Subulites*

SYNTROPHIA

TARPHYCERAS

*Triplecia*

**calculensis**

TENEBRIO

**calgarianum**

VIBURNUM

**calhouni**

OXOPLCIA

*Triplecia (Cliftonia)*

**calicina**

COLUMNARIA

**calicornis**

TRICERATOPS

**calicularis**

*Corynoides*

**caliculoides**

HELENTEROPHYLLUM

**calicula (um)**

CYATHOPHYLLUM

ENTEROLASMA

*Petraia*

*Streptelasma*

**californianus**

MYTILUS

**californica (um)**

CRYPTOBIMUM

NILSONIA

PHOLAS

*Pterophyllum*

**callianassarum**

PALAEOCORYSTES

**callicephalus (a)**

CALYMENE

*Dalmania*

*Dalmanites*

*Phacops*

PTERYGOMETOPUS

**callicera**

ACIDASPIS

**calligramma**

*Orthis*

ORTHIS

**callosa**

ANCHURA

*Chonetes*

STROPHEODONTA

**calococcus**

PRUNULUM

**calphurnia**

PLEUROTOMARIA

**calva**

AMIA

**calvini**

*Cryptonella*

DIELASMA

**calyx**

*Pleurotomaria*

RAPHISTOMA

**cambrina**

LAGGANIA

LAOTIRA

WORTHENELLA

**camellatus**

PARADOXIDES

**cameratus (a)**

*Leptaena*

RAFINESQUINA

*Spirifer*

SPIRIFER

*Strophomena*

**camilla**

ANOPLOTHECA

*Coelospira*

**campanulatus (a)**

*Dawsonia*

PLANORBIS

**campbelli**

*Nautilus*

*Sabal*

SABALITES

**campbelltonensis**

CEPHALASPIS

LYCOPODITES

**campestris**

SPRIFERINA

**camura**

*Rhynchonella*

TREMATOSPIRA

**canadensis (c)**

AGNOSTUS

*Amphion*

*Amplexopora*

ANOMALOCARIS

*Apiocystites*

ARACHNOCRINUS

ARCHINACELLA

*Asaphus*

*Ascoceras*

AULOPORA

*Basilicus*

BATOSTOMA

*Bellerophon*

BILLINGSITES

BOTHRIOLEPIS

*Bronteus*

CALAPOECIA

CALATHUM

*Calaurops*

CALLOCYSTITES

*Capulus*

CARDIOCERAS

CERVUS

CHEIROLEPIS

*Chiton*

CHONETES

CHONOPHYLLUM

(CRATEROPHYLLUM)

CINNAMOMUM

*Cladopora*

CODASTER

CONOPHYLLUM

*Craterophyllum*

CYATHOPHYLLUM

CYPRICARDINIA

*Cypricardites*

CYRTODONTA

*Dictyomitra*

DICTYONEMA

DINIGHTHYS

DISCOCERAS

**canadensis (a)—Continued**

DOLATOCRINUS

DREPANELLA

D. RICHARDSONI

ECCYLIOMPHALUS

ECCYLIOMPHALUS (ORTHOSTOMA)

ECTENOCRINUS

ELODEA

EOCERATOPS

EZOON

*Euomphalus*

*Favosites*

FISTULIPORA

GOLDIUS

GRAMMYSIA

GYROCERAS

GYRODES

HEDERELLA

HELIOPHYLLUM

*Heterocrinus*

HOPLITES

*Hoploparia*

HORMOTOMA SALTERI

ILIONIA

*Inocaulis*

ISCHADITES

I. GRANDIS

LEIDYOSUCHUS

LEPERDITIA

LEPTODOMUS

*Lichas*

LINGULA

LINUPARIS

LORICULA

MEGALOMUS

MONOCLONIUS MYTILARCA

OBOLLELLINA MYTILARCA

*Obolus*

OGYGHES

OLENELLUS

*Orthoceras*

PANENKA

PENTHETRIA

*Petraia*

PHRAGMOCERAS NESTOR

PHYSA COPEI

PILOCERAS

PLATYSOMUS

PLEUROTOMARIA

PLIOMEROPS

*Potentilla*

PRIMITIBLLA

PRISCOCHITON

PSEUDOSPHEREKOCCHUS

*Pterichthys*

PTILODICTYA

*Ptychophyllum*

*Receptaculites*

REMOPLEURIDES

*Sactoceras*

SALPINGOSTOMA

SCALARIPORA

SCOLITHUS

SEQUOIA

*Sphaerexochus*

SPHENOPTERIS

STRICKLANDIA

STROMATOPORA

STROPHOSTYLUS

SUBULITES

TAXUS

TRACHYCERAS

TRIARTHURUS

TROCHOLITES

*Tryblidium*

TURRILEPAS

*Zaphrentis*

LIST OF SPECIFIC NAMES

**canaliculatus (um)**

MACROCHEILUS  
ORTHODESMA

**canalifera**

EOTOMARIA  
*Pleurotomaria*

**canalis**

*Asaphus*  
ISOTELOIDES  
*Isotelus*  
*Orthis*

**cancellatus (a, um)**

AMIURUS  
*Bellerophon*  
*Cyclonema*  
KIONOCERAS  
*Littorina*  
MEGAMBONIA  
NUCULA  
*Orthoceras*  
PECTEN NODOSA  
SINUITES  
STROPHOSTYLUS  
TREMATIS

**cancriniformis**

PRODUCTUS

**canmorense**

ANGLOPTERIDIUM  
NILSONIA

**cannaeformis**

*Calamites*

**caparinoides**

*Phyllites*

**capax**

*Atrypa*  
BATHYURUS  
BUCANIA  
*Favosites*  
PLATYCOLPUS  
*Rhynchonella*  
RHYNCHOTREMA  
*Spirifer*

**caperata**

LIMNAEA

**capillacea**

PINNULARIA

**capillaria**

GYROMA

**capillaris**

*Nemagraptus*  
THAMNOGRAPTUS

**caput-serpentis**

*Spirigera*

**caractaci**

*Trinuclaus*

**carbonarius (a)**

*Anthracopectera*  
EUPHEMUS  
NAIADITES (ANTHRACOPTERA)  
PROTICHNITES  
SPIRORBIS

**carchariaedens**

BLASTOIDOCRINUS

**carcinodea**

*Brongniartia*

**cardiiformis**

MEGAMBONIA  
*Pterinea*

**cardinioides**

*Astarte*  
GRASSATELLA CONRADIANA

**cardium**

UNIO

**carinatus (a)**

*Ambonychia*  
*Avicula*  
BISSONYCHIA  
*Chonetes*  
EUOMPHALUS  
GONIOPHORA  
HELIOPHRENTIS  
HYOLITHES  
*Modiolopsis*  
ORTHOPORA  
PLATYCERAS  
*Pterinea*  
RHADINICHTHYS  
RHOMBOPORA  
SPIRORBIS  
*Strophomena*  
TREMATOPORA  
TROPIDOLEPTUS

**carinifera (um)**

CYCLONEMA  
LYSIS SUCIENSIS  
MARTESIA  
THRACIA

**carleyi**

DINORTHIS  
*Orthis*

**carlottensis**

ACROCHORDICERAS  
AMMONITES  
ASTARTE  
AULACOCERAS  
BADIOTTES  
CYMATOCERAS  
NAUTILUS  
PECTEN  
*Perisphinctes*  
*Pleuromya*  
P. PAPYRACEA  
*P. subcompressa*  
SPYROCERAS  
TURRILITES

**carneosus**

PHYLLITES

**carolina**

CAMAROTOECHIA  
*Rhynchonella*

**carpinoides**

ALNUS

**carteri**

EUCORYSTES  
SACCAMMINA  
STROMATOPORA

**carteroni**

ARCA

**caryophyllus**

PENTREMITES

**casei**

*Ambonychia*  
DENDROCRINUS  
OPISTHOPTERA  
*Proterioerinites*

**cassandra**

*Murchisonia*  
SEBELYA

**cassedayi**

ELEUTHEROCRINUS

**cassidarius**

CAPULUS

**cassina**

EOTOMARIA  
*Holopea*  
*Lophospira*

**casina**—Continued

*Murchisonia*  
PLETHOSPIRA

**castanea**

RHYNCHONELLA  
RISSOA

**castancaefolia**

CASTANEA  
FAGUS

**castaneopsis**

QUERCUS

**casus**

PLATYNUS

**cataline**

ORTHO CERAS

**cataracta**

PRODUCTELLA ACULEATA  
P. SUBACULEATA

**catascopium**

LIMNAEA  
*Lymnaea*

**catenoides**

SIGILLARIA

**catenularia**

HALYSITES  
HIPPOTHOA

**catenulatus**

*Halysites*

**catharina**

MURCHISONIA

**catilloides**

*Inachus*  
STRAPAROLLUS

**cato**

ORTHO CERAS

**catodon**

BELUGA

**catulus**

ORTHO CERAS

**caucasia**

AUCELLA

**caudagalli**

*Fucoides*  
SPIROPHYTON

**caudatus (a)**

*Asaphus*  
*Bathyrus*  
*Betula*  
CHASMOPS  
*Climacograptus*  
*C. bicornis*  
*Dalmania*  
DALMANITES  
GONIURUS  
LEDA  
L. MINUTA

**caurinus**

ANCYLUS  
PECTEN

**cautiplicata**

ANOPLOTHECA

**cavernosa**

STRIATOPORA

**cavumbona**

*Stropheodonta*  
*Strophomena*  
STROPHONELLA

**cayleyi**

*Amphion*

**cayuga**

RENSSELAERIA

GEOLOGICAL SURVEY

- celatum**  
OLOPHRUM
- cellaria**  
VITREA
- cellulosum**  
CLATHRODICTYON  
*Phytopsis*  
TETRADIMUM
- celsipora**  
POLYPORA
- centralis (c)**  
ANISOMYON  
*Crepicephalus*  
PRIMITIA
- centrilineata**  
DALMANELLA
- centronatus**  
SPIRIFER
- centropyge**  
HOLASAPHUS
- centrosa**  
*Orthis*
- cephaloceras**  
SPHARREXOCHUS
- cephalus**  
CYRTODONTA
- cepoides**  
OLCOSTEPHANUS  
*Stephanoceras*
- ceratites**  
CYATHOPHYLLUM
- ceres**  
LEPTAENA  
RAFINESQUINA  
*Strophomena*
- cerithoides**  
*Eunema*  
TROCHONEMA (EUNEMA)
- cerratus**  
TRICERATOPS
- cerusus**  
GONIOPHORA
- cervicornis**  
CLADOPORA  
FAVOSITES  
PACHYPORA
- cetiformis**  
URONAUTES
- chalmersi**  
LUNATA HEROS
- chambliensis**  
*Pholadomorpha*  
PROETUS  
WHITEA VESIA
- champlainensis (c)**  
*Lichas*  
*Rafinesquina*
- chapmanensis**  
MONOGRAPTUS PRIODON
- chapmani**  
AGELACRINITES  
PALAEOCRINUS  
*Palaocystites*
- charicles**  
BRENTHIS
- charletona**  
HYATTIDINA
- charlotte**  
*Orthis*
- charon**  
BELLEROPHON
- chemungensis (c)**  
*Atrypa*  
*Deltthyris*  
LEPIDODENDRON  
*Schizodus*  
SCHUCHERTELLA  
*Sigillaria*  
*Streptorhynchus*  
*Strophomena*
- cheyennensis**  
ARCOFAGIA  
TELLINA
- chicagoensis**  
*Bucania*  
*Pentamerus*  
TREMNOTUS  
*Trematonotus*
- chicoensis**  
BACULITES
- chidlensis**  
LABYRINTHITES
- chippewaensis**  
LONCHOCEPHALUS
- chloe**  
*Athyris*  
*Atrypa*  
PARAZYGA  
*Ketzia*
- christyi**  
CYPHASPIS
- chromatica**  
OBOLELLA
- cicelia**  
LOPHOSPIRA  
*Murchisonia*
- ciliatus (a)**  
*Beyrichia*  
BROMUS  
BUCCINUM  
CARDIUM  
CTENOBOLINA  
*Diplograptus*  
GLOSSOGRAPTUS
- cinnationsis (c)**  
*Ambonychia*  
*Cythere*  
*Cytheropsis*  
ELPE  
PHOLIDOPS  
SPIRORBIS
- cinerea**  
JUGLANS
- cinctosa**  
*Zaphrentis*
- cinctum**  
CRYPTOBIUM
- cinctuta**  
RETEPORIDRA
- cingulatus (a)**  
AMPLEXUS  
CTENODONTA  
KUTORGINA  
LOXONEMA  
*Obolella*  
PALAEOCAMAEA  
*Tellinomya*
- cingulosa**  
ZAPHRENTIS
- circe**  
*Atrypa*  
*Charionella*  
CHILOTRYPA  
*Discina*
- circe—Continued**  
*Helopora*  
LOPHOSPIRA  
*Meristella*  
*Pleurotomaria*  
STRAPAROLLINA  
*Straparollus*
- circinatus**  
ECCYLIONPHALUS  
*Euomphalus*  
THELEPUS
- circularis**  
*Cyclina*  
HYMENOCARIS  
MONOTIS  
*Orthis*  
THETIOPSIS  
*Thetis*  
*Venus*
- circulus**  
*Orthis*  
RHIPIDOMELLA  
UNIO
- circumliratus**  
EUOMPHALUS
- circumstata**  
LOCULIPORA
- cirrhosa**  
HEDERELLA
- cistii**  
CALAMITES
- citum**  
*Cyrtoceras*  
RYTICERAS
- civica**  
DRYOPTERIS  
*Neuropteris*
- clappi**  
CHONOSTEGITES  
*Michelinia*
- clara**  
*Athyris*  
*Discina*
- clarkii**  
DADOXYLON
- clarksvillensis**  
PLATYSTROPHIA
- clarnensis**  
QUERCUS
- clarus**  
PROETUS
- clathratulus (a, um)**  
*Chaeleles*  
EUNEMA  
*Stictopora*
- clathrata (um)**  
*Limaria*  
ORTHO CERAS  
TROPHON
- claudus**  
PHILONTHUS
- clausus (a)**  
FAVOSITES  
MARTESIA  
NATICA
- clavum**  
GOMPHOCERAS
- clavatum**  
ORTHO CERAS  
POTRIOCERAS
- clavellatus**  
*Lyrodon*

LIST OF SPECIFIC NAMES

**clavifracta**  
*ISOCHILINA CLAVIGERA*

**clavifrons**  
*Iliaenus*  
*THALEOPS*

**clavigera**  
*ISOCHILINA*

**clavis**  
*Leptotrypa*  
*STIGMATELLA*

**cleavelandi**  
*ARTHROFORA*

**clementina**  
*Melanopsis*  
*SCALARIA*

**cleobis**  
*RHIPIDOMELLA*

**cleon**  
*AVICULOPECTEN*

**cleviana**  
*SYRINGOPORA*

**clingani**  
*DICRANOGRAPTUS*

**clintonensis**  
*Graptolithus*  
*Lomatoceras*  
*MONOGRAPTUS*

**clintoni**  
*Calymene*  
*LINGULA*  
*Spirifer*  
*SPYROCERAS*  
*STROPHOMENA*  
*VOGDESI*

**clio**  
*Spirifer*

**clitus**  
*CYROCERAS*

**closipes**  
*DICKSONIA*

**clusia**  
*Athyris?*  
*MERISTELLA*

**clymenioides**  
*STRAPAROLLUS*

**clypeatum**  
*LEPIDODENDRON*

**coalescens**  
*ASPIDERETES*  
*CAMAROTOECHIA*  
*Platomenus*  
*RETEFORINA*

**coalitum**  
*CYATHOPHYLLUM*

**coarctatum**  
*ELOTHERIUM*

**cobourgenis**  
*LINGULA*

**cochleatum**  
*ACTINOCERAS*  
*DIAPHOROSTOMA TURBINATUM*

**coelatum**  
*EUNEMA*

**coerulescens**  
*LORICERA*

**colbornense**  
*Heliophyllum*

**colleni**  
*ACROTHELE*

**collicia**  
*LEPTOBOLUS*

**collicana**  
*HEMIGYRASPI*

**colligatum**  
*CREPIDOPHYLLUM*  
*Diphyphyllum*  
*ENDOPHYLLUM*  
*ERIDOPHYLLUM*  
*Heliophyllum*

**collis**  
*LEPTOBOLUS COLLICIA*

**collumellata**  
*HEMTRYPA*

**coloradoensis**  
*AGNOSTUS*  
*ATHYRIS*  
*BILLINGSSELLA*  
*MEGACEROPS*  
*MENODUS*  
*Orthis*

**columbi (ae)**  
*ARANEA*  
*Paliurus*

**columbianus (a, um)**  
*ACER*  
*COBLIDIA*  
*COMPTONIA*  
*Cycadeocarpus*  
*DIOONITES*  
*HYPNUM*  
*LOFTUSIA*  
*PINUS*

**columbiensis**  
*CRATAEGUS*  
*PICEA*

**columnaris (e)**  
*Chaeteles*  
*Kionoceras*  
*Orthoceras*  
*STYLODICTYON*  
*TETRADIMUM*

**columnaroides**  
*Equisetum*

**comis**  
*Atrypa*  
*GYPIDULA*  
*Pentamerus*

**communis (e)**  
*AMYZON*  
*COELOCLEMA*  
*CYCLONEMA*  
*Diamesopora*  
*Hallopora*  
*SOLENOPLEURA*

**comosus**  
*LYCOPODITES*

**compactus (a, um)**  
*AENONITES*  
*CARPOLITHES*  
*HALYSITES*  
*H. AGGLOMERATUS*  
*LITTORINA*  
*OGMOPHIS*  
*OPHILETA*  
*PLATYCERAS*  
*SOLENOPORA*  
*Stromatopora*  
*SUBULITES*  
*SYRINGOPORA*

**complanatus (a, um)**  
*CHONOSTROPHIA*  
*MODIOLOPSIS*  
*OPHILETA*  
*Schizostoma*  
*Straparollus*

**complanatus**—Continued  
*UNIO*  
*WHITTELLA*

**complexus**  
*Ammonites*

**complicatum**  
*MUSOPHYLLUM*

**compressus (a)**  
*ASTARTE*  
*BACULITES*  
*Conradella*  
*Cyrtolites*  
*HUSTEDIA*  
*MEGALOMUS*  
*MODIOMORPHA*  
*PERENOPORA*  
*PHRAGMOLITES*  
*RHYTIMYA*

**compta**  
*ZAPHRENTIS*

**conatum**  
*BOTHROPHYLLUM*

**concauus (a, um)**  
*FAVOSITES*  
*HELIX*  
*Helopora*  
*LEPTOCOELLA*  
*PLATYCERAS*  
*Selenites*  
*STROPHEODONTA*  
*Strophomena*

**concentricus (a)**  
*ATHYRIS*  
*Atrypa*  
*Aucella*  
*A. MOSQUENSIS*  
*CRYPTOBRANCHIA*  
*HARPIDES*  
*Homomya*  
*INOCBRAMUS*  
*LICHENALIA*  
*Modiola*  
*MODIOLOPSIS*  
*MODIOMORPHA*  
*Nuttainia*  
*PANOPAEA*  
*Pholadomya*  
*Spirigera*  
*Stromatopora*  
*Strophomena*  
*TRINUCLEUS*

**concinata**  
*Arca*

**concinula**  
*HOLOPEA*  
*LEPERDITIA*  
*LOPHOSPIRA*

**concinuus (a, um)**  
*Actaeon*  
*ANODONTOPSIS*  
*Aparchites*  
*Arca*  
*Atrypa*  
*Avellana*  
*CINULIA*  
*CORBULA*  
*CYTHEROPSIS*  
*DIPHYPHYLLUM*  
*LINGULELLA*  
*LUNATA*  
*Natica*  
*NUCLEOSPIRA*  
*Primitia*  
*RHAMNITES*  
*Rhammus*

GEOLOGICAL SURVEY

**concinuus**—Continued

SCHMIDTELLA PERVETA  
SPIRIFER  
WHITTLESEYA

**concoideus**

PENTREMITES

**concordensis**

*Discina*

**conditus**

HARPALUS

**condor**

SPIRIFER

**confertus (a)**

ALVEOLITES  
AULOPORA  
CLIMACOGRAPTUS  
CYADITES  
*Diclyonema glabelliforme*  
DIPLOGRAPTUS

**confinis**

GYRINUS

**confuens**

*Cyathophyllum*  
HELIOPHYLLUM

**confusa**

HORMOTOMA  
Murchisonia

**congeneris**

*Bathyurus*  
HOLASAPHUS

**congesta**

*Athyris*  
Atrypa  
Camarella  
Delthyris  
Hyattella  
HYATTIDINA  
OSTREA  
*Triplesia*

**conglobatus**

*Cyathocrinites*

**congregatus (a)**

*Anoplothea*  
CENOSPIRA  
DENDROCRINUS  
OMPHYMA  
PALAEOPHYCUS

**conicus (a, um)**

*Bathyurus*  
FAVOSITES  
HYBOCRINUS  
HYSTRICURUS  
IGOCERAS  
MELANIA  
*Orthonychia*  
PLATYCERAS  
POROCRINUS  
SCENELLA

**confifolis**

CYSTIPHYLLUM

**confrons**

ILLAENUS  
*Hydrolaenus*

**conigerum**

CLISIOPHYLLUM

**conjugans**

CUPULOCRINUS  
*Dendrocrinus*

**conjugata**

NEUROPTERIS

**conjunctiva**

ISOTRYPA

**conoideus (um)**

DISCOSORUS  
*Gomphoceras*  
*Orthoceras (Discosorus)*  
*Orthonychia*  
PLATYCERAS

**conradi**

AMMONCERATITES  
*Ammonites*  
*Gomphoceras*  
*Heteroceras*  
HETERO CERAS  
ILLAENUS  
LOPHOSPIRA  
*Murchisonia*  
*Orthis*  
*O. (Dalmanella) subaequata*  
*Pabudina*  
PLANODEMA SUBAEQUATA  
POTERICERAS  
PROETUS  
SCAPHITES  
URICHIA  
VIVIPARUS

**conrad (i)ana**

*Astarte*  
CRASSATELLA  
*Gyrodos*  
LOPHOSPIRA  
*Spirifer*

**consimilariis**

ATRYPA  
*Hipparionyx*

**consimillis**

GONIOPHORA  
ILLAENUS  
ISOTRYPA  
QUERCUS

**consobrinus (a)**

DELTHYRIS  
ILLAENUS  
*Spirifer*

**constellatus (a, um)**

*Cænostroma*  
MODIOLA GRANULATA  
PHAENOPORA  
STROMATOPORA

**constrictostriatum**

CYRTO CERAS

**constrictus (a, um)**

CALLIOSTOMA  
CLADOPHLEBIS  
*Cyrtoceras*  
*Graptolithus*  
*Murchisonia*  
ONCOCERAS  
ORTHO CERAS  
*Pecopteris*  
*Phragmoceras*  
*Potericeras*  
TURRITOMA

**conuetus**

*Harpes*  
EOHARPES  
UNIO

**consumptus**

ERYCUS

**contiguus**

ECCYLIOMPHALUS

**contracta (um)**

*Atrypa*  
CAMAROTOECHIA  
CENODONTA  
ORTHODESMA  
*Orthonota*  
*Rhynchonella*

**convexus (a)**

*Amphion*  
*Didymograptus*  
DIDYMOGRAPTUS  
DOLICHOMETOPUS  
*Gryphaea*  
INOCERAMUS  
MICHELINIA  
*Ostrea*  
PLIOMEROPS  
*Streptorhynchus*  
*Strophomena*

**convolutus**

PLANORBIS

**convolvans**

*Barrandoceras*  
*Lituites*  
LITUITES

**cooperensis**

PRODUCTELLA

**cooperi**

*Ammonites*  
ANISCOCERAS  
*Dentalium*  
ENTALIS  
*Heteroceras*  
SYRINGOPORA

**copei**

PHYSA

**cora**

ATHYRIS  
PRODUCTUS

**coralliferum**

ORTHO CERAS

**corax**

*Apatokephalus*  
BIENVILLIA  
*Dicellosephalus*

**corbieula (um)**

*Bulimus*  
*Bulla*  
HYRACODON  
INOCERAMUS  
*I. sagensis*  
STYLEMYS

**corbis**

CARDIUM

**cordal**

*Bathyurus*  
*Hystericurus*

**cordaliformis**

PHRAGMITES

**cordatus (a)**

AMMONITES  
CLISOCOLUS  
*Cyprina*  
NEUROPTERIS  
POPULUS  
*Sagenaria*  
*Sphaeriola*

**cordieri**

*Asaphus*

**cordifolia**

POPULUS  
P. LATIOR

**cordiformis**

AMMONITES  
*Cypricardites*  
*Cyrtodonta*  
PLETHOCARDIA

**coriacea**

ACROTHELE  
QUERCUS

LIST OF SPECIFIC NAMES

**corinna**  
*Orthis*  
**corinthia**  
*Rhynchonella*  
**corneuilliana**  
*Avicula*  
*Oxytoma*  
*Pteria (Oxytoma)*

**cornicula (um)**  
*Heliophyllum*  
*Petraia*  
*Streptelasma*  
*Streptelasma*  
*Streptoplasma*  
*Zaphrentis*

**cornucopiae**  
*Scyphia*  
*Sphaerospongia*

**cornuta (um, us)**  
*Aulopora*  
*Cardiocarpon*  
*Buchiceras*  
*Codiocarpon*  
*Conolichas*  
*Lichas (Conolichas)*  
*Platyceras (Diaphorostoma)*

**cornuum**  
*Orthoceras*

**coronatus**  
*Ammonites*  
*Chonetes*  
*Polygnathus*

**correlator**  
*Phacops*

**corrugatus (a, um)**  
*Capulus*  
*Crania*  
*Lepidodendron*  
*Leptaena*  
*Lichenalia*  
*Orthonota*  
*Pistia*  
*Straparollus*  
*Stropheodonta*  
*Strophomena*  
*Wiwaxia*

**corticata**  
*Zaphrentis*

**corydon**  
*Cyrtoceras*

**coryphaeus**  
*Platycarpus*

**cosciniformis**  
*Coscinella*  
*Intrapora*  
*Ptilodictya*

**costalis**  
*Mackenzia*  
*Orthis*

**costatus (a, um)**  
*Amphicoelia*  
*Beyrichia*  
*Camarella*  
*Cylindria*  
*Entosolenia*  
*Orthis*  
*Palaeoscincus*  
*Platomenus*  
*Platystrophia*  
*Surcinula*  
*Sphyradoceras*  
*Trochoceras*

**costulata (um)**  
*Ascoceras*  
*Cyclostrema*  
*Lionia*  
*Turritella*

**cotterana**  
*Loxonema*

**cousi**  
*Umio*

**couttsiae**  
*Sequoia*

**coxanus**  
*Aviculopecten*

**crameri**  
*Pinus*

**crampii**  
*Cardiocarpon*

**crassata**  
*Syringopora*

**crassibasalis**  
*Pachyocrinus*

**crassicardinalis**  
*Cleiothyridina*

**crassicauda**  
*Iliaenus*

**crassicollis**  
*Aucella*

**crassicornis**  
*Bison*

**crassicostatus**  
*Hoplites*

**crassifolia**  
*Aristolochia*  
*Catalpa*

**crassimarginatus (a)**  
*Catymene*  
*Philipsia*  
*Proetus*

**crassinervis**  
*Laurus*  
*Thyropteris*

**crassipes**  
*Juglans*

**crassiphonatum**  
*Endoceras*  
*Nartheoceras*

**crassirostra**  
*Athyris*  
*Atrypa*

**crassitestata**  
*Cyrtocalpis*

**crassula**  
*Teredo*

**crassus (a, um)**  
*Acrothyra proavia*  
*Botryocrinus*  
*Cladopora*  
*Clathrodictyon*  
*Coelospira*  
*Coenites*  
*Cyrtina*  
*Dicellomus*  
*Goniophora*  
*Homocrinus*  
*Limaria*  
*Monoclonius*  
*Nematophycus*  
*Nematoxylon*  
*Neuropteris*  
*Obolella*  
*Orbicula*  
*Orthis (Platystrophia)*

**crassus—Continued**

*Pachydictya*  
*Pinularia*  
*Platystrophia*  
*P. bifurcata*  
*Ptilodictya*  
*Stictopora*  
*Streptelasma*  
*Streptoplasma*  
*Veniella*

**crateriformis**  
*Lichenocrinus*

**craticulatus**  
*Trophon*

**crebescens**  
*Orthoceras*  
*Protokionoceras*

**crebriseptum**  
*Actinoceras*  
*Orthoceras*

**crenatocinctus**  
*Colebolus*

**crenatus (a)**  
*Astarte*  
*Balanus*  
*Cladophlebia*  
*Grewia*  
*Planera*  
*Staphylinus*  
*Thyropteris*  
*Vitis*

**crenistria**  
*Orthoetes*  
*Schuchertella*  
*Streptorhynchus*  
*Strophomena*

**crenistriatus (a)**  
*Crania*  
*Platynus*

**crenocostatus**  
*Ammonites*

**crenulatus (a, um)**  
*Cyclonema*  
*Maclurites*  
*Poleumita*  
*Polytropis*  
*Straparollus*

**crepidiformis**  
*Jonesella*  
*Leperditia*

**crescens**  
*Cystodictya*

**cretaceus (a, um)**  
*Bela*  
*Ceanothus*  
*Conchochele*  
*Eunema*  
*Globigerina*  
*Hyalobites*  
*Isocardia*  
*Juglandites*  
*Libocedrus*  
*Macclintockia*  
*Ostomia*  
*Palurus*  
*Populus*  
*Thuya*  
*Thyasira*  
*Sassafras*

**crevieri**  
*Pleurotomaria*

**cribarius**  
*Coelambus*

GEOLOGICAL SURVEY

**cribiformis**  
CALAEOECIA  
Columnopora

**cribrosa**  
HEMITRYPA

**crispata**  
Glyptorthis  
HERBERTELLA (GLYPTORTHIS)  
PURPURA  
ZIRPHEA

**crispus (a)**  
Delthyris  
POLYSTROMA  
SPIRIFER (DELTHYRIS)  
Terebratula

**cristatus (a)**  
AUBLYSODON  
CONOKEPHALINA  
CTENOPTYCHIUS  
DEINODON  
Dicellocephalus  
Dikelocephalus  
ISOCHELINA  
PHACOPS  
Primitia

**crocus**  
CYCLOCERAS  
Orthoceras

**crossii**  
JUGLANS

**crotaifrons**  
BATHYRURUS  
HYSTRICURUS

**crotaum**  
SPYRO CERAS

**crouchii**  
PTERASPIIS

**crucialis**  
Tetragrapsus  
TETRA GRAPTUS

**crucians**  
HYAENODON

**cruciatum**  
Calamites

**crucifer**  
Graptolithus  
Tetragrapsus  
TETRA GRAPTUS

**cruciferus**  
CERATODUS  
REINEASTER

**cruciformis**  
Ptilodictya

**cruentus**  
HYAENODON

**cryptata**  
PLEUROTOMARIA

**cryptodens**  
ALVEOLITES  
CLADOPORA  
COENITES

**cuboides**  
HYPOTHYRIS  
RHYNCHONELLA

**cucullus**  
AMPHILICHAS  
Lichas  
Platymetopus

**culbertsoni**  
MERYCODODON  
OREODON

**cultratus (a)**  
AMMONITES  
MODIOLOPSIS

**cultrijugatus**  
Spirifer

**cumberlandiana**  
PATULA

**cumshewaensis (e)**  
ARCA  
Haploceras  
HOLCODISCUS

**cumulata**  
Monticulipora  
NICHOLSONELLA

**cuneatus (a, um)**  
Atrypa  
Bythotrephis  
CHONDRITES (BUTHOTREPHIS)  
CYTROCERAS

DONAX  
GRAMMYSIA  
Inoceras  
LINGULA  
NUCULITES  
POPULUS  
RHYNCHOTRETA  
SEQUOIA  
Sphenomya  
SPHENOPHYLLUM  
SPHENOTUS  
Taxodium

**cuneifolium**  
SPHENOPHYLLUM

**cuneus (um)**  
CONOCARDIUM  
Pleurorhynchus

**cupanoides**  
Phyllites  
PTEROSPERMITES

**cupidineus**  
ELONICHTHYS

**cupressinus**  
CHONDRITES

**curiosus (a)**  
ASAPHUS  
CLISOSPIRA  
PTERINEA

**curta**  
PSEUDOMONOTIS

**curtilobus**  
Hymenophyllites  
SPHENOPTERIS  
(HYMENOPHYLLITES)

**curtula**  
PENTHETRIA

**curtus (a, um)**  
ALONEMA

ALNITES  
CLIONYCHIA  
EQUISETITES  
EUMICROTIS  
Ischyrodonta  
LINGULA  
Lyonsia  
MODIOLOPSIS  
PANOPAEA  
Phaneropleuron  
PTERONITELLA  
SCAUMENACIA

**curvatus**  
CAMPTONECTES  
Pecten  
POLYGNATHUS

**curvilineata**  
CYRTIA  
Cyrtilina  
CYRTINA

**curvirostris**  
PRODUCTUS

**curvirostrum**  
PLATYCERAS

**cuspidatus (a, um)**  
COMPTONIA  
Delthyris  
Myrica  
PERIPLOMA  
SPIRIFER APERTURATUS

**cutleriana**  
CYCLOSTREMA

**cyane (um)**  
BUCCINUM  
Lingula  
OBOLUS

**cyathia**  
Pecopteris

**cyathiforme**  
TRACHYUM

**cybele**  
Bathyurus  
PETIGURUS

**cyclas**  
RHIPIDOMELLA

**cyclophylla**  
POPULITES  
Populus

**cyclopteroides**  
NEUROPTERIS

**cyclopterus**  
SPIRIFER

**cyclopyge**  
Agnostus  
LEOPYGE

**cyclostomus (a)**  
EUOMPHALUS †  
PLEUROTOMARIA

**cyclotum**  
ASPIDOCERAS

**cylus**  
Orthis

**cylindraceus (um)**  
HAMITES  
TROCHACTAEON

**cylindricus (a, um)**  
Agraulos  
ARIONELLUS  
Atrypa  
BYTHOCYPRIS  
Cystiphyllum  
Cytherina  
Dendrocrinus  
FUSULINA  
Ischilina  
Lapworthura  
LEPERDITIA  
Merista  
Meristella (Meristina)  
Palaeocoma  
PRIMITIA  
TAENIASTER  
Taeniura  
WHITEFIELDELLA

**cymbium**  
PLATYCERAS

**cypraecoides**  
Ficus  
SYCODES

**cyrtiliformis**  
PLATYRACHELLA  
Spirifer



LIST OF SPECIFIC NAMES

**cytheriformis**

CORBICULA  
*Cyrena (Corbicula)*  
CYRTIA  
*Cyrtina*  
PLATYRACHELLA

**dakotanus (a)**

ARALIA  
*Populus*

**dakotensis**

*Fusus (Serrifusus)*

**dalei**

*Callopora*  
*Chaetetes*  
HALLOPORA  
*Monticulipora*

**dalli**

QUERCUS  
TRIMERELLA

**dalmani**

*Cyrtia*  
*Cyrtina*  
CYRTINA  
SYRINGOPORA

**dammosum**

BEMBIDIUM

**danae**

UNIO

**danai**

*Acidaspis*  
BELTINA

**daphne**

FUSISPIRA  
*Lingula*  
PLEUROTOMARIA  
STRAPAROLLINA  
*Straparollus*  
*Subulites*

**daphnogenoides**

FIGUS  
*Populus*

**darwini**

KIONOCERAS  
*Orthoceras*

**davidsoni**

ACERVULARIA  
*Cyathophyllum (Acervularia)*  
DIELSMA  
FENESTELLA  
OBOLUS  
ORTHIS  
*O. calligramma*  
SEMICOSCINIUM

**davisana**

ZAPHRENTIS

**davisii**

CYCLOCYSTOIDES  
*Lingula*  
*Lingulella*

**dawsoni**

AMPYX  
BRACHYCERATOPS  
CHASMATOPORA  
*Chonetes*  
CHONOSTROPHIA  
CUPRESSINOXYLON  
CYATHOPHYLLUM  
DESMOCERAS (PUZOZIA)  
ERYMA  
ESTHERIA  
FIGUS  
HOMALONOTUS  
ISOCHILINA  
MEGALOPTERIS

**dawsoni**—Continued

*Microdiscus*  
MONOCLINIUS  
NELUMBO  
NEUROPTERIS  
ORBICULOIDEA  
PALAEOCYSTITES  
PARABOLINA  
PRODUCTUS  
*Puzozia*  
RHABDICALYPTUS  
*Stichocapsa*  
*Subretopora*  
TRICHONTA  
TRIGONIA  
XYLOBIUS

**dawsonianus (a, um)**

PUGNAX  
TRIGONOCARPUM  
WHITTLESEYA

**daytonensis**

*Retepora*

**deansii**

OLCOSTEPHANUS

**deaurata**

MESODESMA

**debilis (e)**

BULLA (DIAPHANA)  
CALAMOPTERIS  
DIAPHANA  
LAUROPHYLLUM  
SYRINGOPORA

**debilitatum**

LATHERBIUM

**decadactylus**

GLYPTOCHINUS  
*Heterocrinus*

**decandolleana**

FIGUS

**decanemos**

COMATULA

**decemplicatus (a)**

CAMAROTOECHIA  
*Delthyris*  
*Spirifer*  
*Terebratulata*

**decessus**

PATERBUS  
PIMPLA

**decewi**

ETOMPHALUS  
PLEURONOTUS

**decipiens**

ACROTHELE  
*Leptaena*  
LEPTELLA  
LINGULA  
LYELLA  
SPHENOPTERIS  
STROPHOMENA

**decisa**

*Campilonia*  
PALUDINA

**declivis**

AGNOSTUS ACADICUS

**decollata**

LIMNAEA  
*Lymnia*

**decoratus (a)**

APARCHITES  
PIANETA

**decorticatedum**

BOTHROPHYLLUM

**decorus (a, um)**

*Beyrichia*  
CYCLONEMA  
*Eucalyptocrinus*  
*Hypanthocrinites*  
PALAeoniscus  
PARADOXIDES

**decrescens**

ORTHO CERAS

**decurrans**

*Alethopteris*  
*Pecopteris (Alethopteris)*  
*Thyrsopteris*

**decurtatum**

LEPIDODENDRON

**decussatus (a, um)**

AVICULA  
CONCHIDIUM  
*Pentameris*

**deflectus (a, um)**

*Atrypa*  
*Chonetes*  
DINORTHIS (VALCOUREA)  
*Leptaena*  
*Orthis (Dinorthis)*  
*Plaesiomys*  
PLANORBIS  
*Streptorhynchus*  
*S. rectus*  
*Strophomena*  
VALCOUREA  
ZYGOSPIRA

**deformata**

ARCHINACELLA

**deformis**

*Meloptoma*  
SCHELLWIENELLA

**defunctus (a)**

GERRIS  
MICROPHORUS

**deloepia**

CLATHROSPIRA  
PLEUROTOMARIA

**dejectum**

OLOPHRUM

**dekayi**

NAUTILUS

**della**

LINGULA  
PLEUROTOMARIA

**delicata**

CLATHERIA

**delicatulus (a)**

ANDROMEDA  
BYTHOPORA  
CHAETETES  
*Dictyonema*  
*Monticulipora*  
ORTHIS  
PLEUROTOMARIA

**delphicola**

LOXONEMA

**delphinocephalus**

HOMALONOTUS  
*Trimerus*

**delphinulus**

PROETUS

**delthyris**

*Strophomena*

**deltoidea**

*Leptaena*  
RAFINESQUINA  
*Streptorhynchus (Strophonella)*  
*Strophomena*

GEOLOGICAL SURVEY

|  |  |  |
|--|--|--|
| <b>demissus (a)</b><br><i>Avicula</i><br><i>Caritodens</i><br><i>Fucoides</i><br>PTERINEA (CARITODENS)<br>STROPHODONTA<br><i>Strophomena</i>   | <b>depressus (a, um)</b><br>ANABAIA<br>ATRYPA<br>CONOCEPHALITES<br>CYCLONEMA<br>DIAPHOROSTOMA<br><i>Leptaena</i><br><i>Productus</i><br><i>Prosserella modestoides</i><br>RETICULARIA (PROSSERELLA)<br>MODESTOIDES<br><i>Strophomena</i> | <b>dewayanus</b><br>UNIO   |
| <b>denum</b><br>LEPTODESMA   | <b>derelictus</b><br>COELAMBUS   | <b>deweyi</b><br>CALLISTA (DOSINIOPSIS)<br><i>Meretrix</i>   |
| <b>dendrina</b><br>BYTHOPORA<br><i>Helopora</i>  | <b>deschenianus</b><br>HALYSITES   | <b>diadematus</b><br>CONOCEPHALITES  |
| <b>dendrosa</b><br>MONTICULIPORA   | <b>desertus</b><br><i>Harpides</i><br>NAUTILUS<br>SPAREXOCHUS  | <b>dianthum</b><br><i>Cyathophyllum</i>  |
| <b>denmanensis (c)</b><br>CYPRINA<br>GAUDRYCERAS<br><i>Lytoceras (Gaudryceras)</i>   | <b>deshayei</b><br><i>Pentamerus</i>   | <b>dichitoma (um)</b><br>BRACHYDONTES<br>CERATOPORA<br>CLADOPORA<br>LEPIDODENDRON (SAGENARIA)<br>MODIOLA               |
| <b>densifolia (um)</b><br>CYCLOSTIGMA<br><i>Pecopteris (Cyathites)</i><br><i>Sequoia</i><br><i>Sphenolepidium sternbergianum</i><br><i>Thyrsopteris</i>  | <b>desideratus (a, um)</b><br>ARCHAEOCRINUS<br><i>Billingsia</i><br><i>Cyrtolites</i><br>ELKANIA<br><i>Glossoceras</i><br>HORMOTOMA<br>LINGULA<br><i>Obolella</i><br>ORTHONATA<br>PHRAGMOLITES   | <b>dicksoni</b><br>AGELACRINITES<br><i>Agelacrinus</i>   |
| <b>densus (a)</b><br>BELEMNITES<br>SYRINGOPORA<br>SYRINGOSTROMA  | <b>desmatum</b><br>DIAPHOROSTOMA   | <b>dicksonianum</b><br>ASPLENIUM   |
| <b>dentalium</b><br>PLATYCERAS   | <b>desidiosa</b><br>LIMNAEA  | <b>dietys</b><br>CYTROCERAS  |
| <b>dentatus (a)</b><br>CARPOLITHES<br>CERAURUS<br><i>Diplograptus</i><br>DIPLOGRAPTUS<br><i>Fucoides</i><br><i>Graptolites</i><br>NEUROPTERIS<br><i>Orthis</i><br><i>O. biforata</i><br>PHLOEOSINUS<br>PLATYSTROPHIA<br>PTEROSPERMITES | <b>desmograptus</b><br><i>Dictyonema flabelliformis</i>  | <b>didyma</b><br>MERISTELLA  |
| <b>denticulatus (a, um)</b><br>CARPOLITHES<br>CLADOPHLEBIS<br><i>Graptolithus</i><br><i>Juglans</i><br>PHAETHONIDES<br>TETRAGRAPTUS  | <b>desmopleura</b><br>EOORTHIS<br><i>Orthis</i>  | <b>difficilis</b><br>AMMONITES<br>BIDENTIA<br><i>Pleurotomaria</i><br>SEELYA   |
| <b>dentifolium</b><br><i>Sphenolepidium</i>  | <b>despectus (a)</b><br>CHRYSODERMUS<br>NEPTUNEA   | <b>diffidens</b><br>LOXOCERAS<br><i>Orthoceras</i>   |
| <b>dentoni</b><br>EOHARPES<br><i>Harpes</i><br><i>Quercus</i><br>VIBURNUM  | <b>desplainense</b><br><i>Sphyradoceras</i><br>TROCHOCERAS   | <b>difluens</b><br><i>Arachnophyllum</i><br>STROMBODES   |
| <b>dentonoides</b><br>QUERCUS  | <b>desquamata</b><br><i>Avicula</i><br><i>Obolella</i>   | <b>difusus</b><br>CALLOGRAPTUS<br><i>Dendrograptus (Callograptus)</i>  |
| <b>denveriana</b><br>FICUS   | <b>destitutus</b><br>PTEROSTICHUS  | <b>diformis (e)</b><br><i>Asplenium</i><br>COMPTONIA   |
| <b>deornatum</b><br><i>Lozonema</i>  | <b>destructus</b><br>PTEROSTICHUS  | <b>digitatus (a, um)</b><br>BRACHIOSPONGIA<br>FAVOSITES<br>FUCUS<br>GINKGO<br>INOCERAMUS<br>LIOCLEMA<br><i>Scyphia</i> |
| <b>deparcum</b><br>ORTHOCERAS  | <b>desuetus</b><br>PLATYNUS  | <b>dilapidatus</b><br>PLATYNUS   |
| <b>deperditus (a)</b><br>QUEDIUS<br>SCLARA   | <b>detectum</b><br>CRYPTOBIUM  | <b>dilatatus (a, um)</b><br>BELLEROPHON<br><i>Lepidodendron</i><br>PENTHETRIA<br>PLATYCERAS                            |
| <b>depilis</b><br>PROMETOPHA   | <b>devinei</b><br><i>Dikelocephalus</i><br>PTYCHOPARIA   | <b>dilucula</b><br>HOLOPEA<br><i>Turbo</i>   |
| <b>depletus</b><br>PTEROSTICHUS  | <b>devoniana</b><br>ATRYPA   | <b>diminutiva</b><br>YOLDIA  |
|  | <b>devonicus (a)</b><br>ANTHOLITHES<br>BAIRDIA<br>CALAMOSYRINX<br>CORDAIANTHUS<br>HIPPOTHOA<br>VINELLA   | <b>diphylloides</b><br><i>Ammonites</i><br>DESMOCERAS  |
|  | <b>devoniense</b><br>PACHYPHYLLUM  | <b>discoideus (a)</b><br>AMPLEXOPORA<br><i>Chaetetes</i><br><i>Leptotrypa</i><br><i>Monticulipora</i><br>PARADICERAS   |
|  |  | <b>discors</b><br>MODIOLARIA   |

LIST OF SPECIFIC NAMES

**discrepans**  
*Johannophyton*  
*Pecopteris (Aspidites)*

**disculus**  
*Bellerophon*  
OXYDISCUS

**discus**  
MICROCYCLUS  
OBOLUS  
*Ophileta*  
*Orthis*  
RHIPIDOMELLA

**disjunctus (a, um)**  
BULINUS  
*Calamites*  
CENTRINUS  
*Coelambus*  
COLUMNARIA  
CONCHOCELE  
*Cyathophyllum*  
ECCYLIPTERUS  
OESIA  
*Ophileta*  
SPIRIFER

**dispalans**  
PINNULARIA

**dispanda (um)**  
FENESTELLA  
STREPTELASMA

**dispar**  
NERINEA  
*Noeggerathia*  
PSYGMOPHYLLUM

**disparilis**  
AGNOSTUS  
METAPLASIA  
*Orthis*  
PTILOPORINA  
*Spirifer*

**dispersum**  
LEPIDODENDRON

**dissimilis**  
CORYNOTRYPA  
PRODUCTELLA  
PRODUCTUS

**dissipatus**  
PLATYNUS

**dissolutus**  
SERPULITES

**distans**  
ALVEOLITES  
*Asplenium*  
CLADOPHELEBIS  
CORNUITES  
ECCYLIOMPHALUS  
*Tentaculites*  
*Thyrsopteris*

**distichum**  
TAXODIUM

**distincta**  
CYPROCARDINIA

**distorta**  
SAXICAVA  
TESSAROLAX

**diurus**  
CORONURA

**divaricans**  
*Palaeophyllum*  
STREPTELASMA

**divaricatus (a)**  
DICELOGRAPTUS  
*Dicranograptus*  
*Didymograptus*  
*Graptolithus*

**divaricatus**—Continued  
*Pholadomorpha pholadiformis*  
SPIRIFER  
*Thyrsopteris*  
WHITEAVESIA PHOLADIFORMIS

**divergens**  
AMPHIGRAPTUS  
DENDROGRAPTUS  
*Graptolithus*

**diversicostata**  
TRIGONIA

**diversus (a)**  
CLTAMBONITES  
*C. vernevili*  
*Orthisina*

**dixonensis**  
VANUXEMIA

**docens**  
LIOSPIRA  
ORTHO CERAS  
*Pleurotomaria*

**donnetii**  
SCHUCHERTELLA

**doria**  
*Discina*  
ORBICULOIDEA

**doris**  
*Charionella*  
MERISTELLA

**dormitans**  
PTEROSTICHUS

**dorolingi**  
GYRONEMA  
MURCHISONIA  
TRICOLOCAPSA

**doroschkiana**  
OSMUNDA

**dotjs**  
CAMAROTOECHIA  
*Rhynchonella*

**doubleti**  
PRODUCTUS

**douglasi**  
XEROPHYLLUM

**dournalsii**  
SIGILLARIA

**downingiae (f)**  
ACASTE  
PHACOPS

**drobachiensis**  
EURYCHINUS  
TOXOPNEUSTES

**drummondi**  
*Onophyma*  
ORTHO CERAS

**dryandroides**  
COMPONIA

**drymeja**  
MYRICA

**dryope**  
CAMAROTOECHIA  
EOTOMARIA

*Pleurotomaria*  
RHYNCHONELLAS

**dubius (a, um)**  
ACER

*Bathyrurus*  
CALAMITES  
CANADIA  
CLISOCOLUS  
CTENODONTA

**dubium**—Continued  
CUPRESSINOXYLON

CYCLAS  
*Loripes*  
*Lyonsia*  
*Meloptoma*  
PISIDIUM  
*Platanus*  
PLATYCOLPUS  
POLYGNATHUS  
RETZIA

**dublinensis**  
EURYZONE

**dumosum**  
PLATYCERAS  
RAMICALAMUS

**dunkeri**  
ASPIDIUM

**duodenarius (a)**  
*Delthyris*  
SPIRIFER

**duplicatus (a)**  
LIMA  
POLYGNATHUS

**durhamensis**  
EOTOMARIA  
MONOMORELLA  
PLEUROTOMARIA  
POLEUMITA  
*Polytropis*

**durkeei**  
CORBICULA  
CYRENA

**eatoni**  
*Dikelocephalus*  
*Discoceras*  
*Lituities*  
*Paradoxoides*  
PLATYCOLPUS  
SCHROEDEROCERAS

**eboracensis**  
*Orthis*

**eccentricum**  
TROCHONEMA

**echinatum**  
PLATYCERAS

**edax**  
ORTHO CERAS

**edentulus**  
*Mytilus*

**edgelliana**  
DALMANELLA

**edulis (e)**  
CARDIUM  
MYTILUS

**edwardianum**  
*Dadoxylon*

**edwardsi**  
*Asaphus*  
HOMOLOPSIS

**effussa**  
PRIMITIA MUNDULA

**egena**  
LEPERDITIA HISINGERI

**egregia**  
MURCHISONIA

**ehlersi**  
*Tabulophyllum*

**eifellensis**  
*Favosites forbesi*

MECYNODON

GEOLOGICAL SURVEY

**ejecta**

PHRYGANEA  
**ekwanensis (e)**  
*Bronteus*  
 CAMAROTOECHIA  
 GOLDIUS  
 ORTHOCERAS  
 TRIMERELLA

**elator**

PENTHETIAR

**elatus**

TRICERATOPS

**elcalleus**

ZAPPRENTIS

**eldonensis**

HYBOCYSTITES

**electra**

DALMANELLA  
*Orthis*  
*Retzia*  
 RHYNGHOSPIRA

**elegans**

*Amia*  
 APIOCYSTITES  
 BELA  
 CALLOGRAPTUS  
*Chonocephalites*  
 CHORISTES  
 CONOCORYPHE  
*Cyclopterus*  
 DISCOTRYPA  
*Favularia*  
 HELIOLITES  
*Lecanocrinus*  
 LEPIDODENDRON  
 MEGARAPHIDIA  
*Monticulipora*  
 MYTILUS EDULUS  
 NAUTILUS  
*Nemagraptus*  
 NUCLEOCRINUS  
 PINACOTRYPA  
*Plasmopora*  
 PLEUROCYSTITES  
 PROTAXOCRINUS  
 PSILOPHYTON  
 PYCNOSTYLUS  
 SIGILLARIA (FAVULARIA)  
 SYRINGOPORA  
*Taxocrinus*

**elegantulus (a, um)**

*Callopora*  
 CONOCARDIUM  
 COSCINELLA  
 CRENELLA  
*Cybele*  
 DALMANELLA  
*Dendropora*  
 ELONICHTHYS  
 ENCRINURUS  
 ESCHARA  
 HALLOPORA  
*Heliophyllum*  
 INTRAPORA  
 LINGULA (PSEUDOLINGULA)  
*Orthis*  
 ORTHOCERAS  
*Pseudolingula*  
 RECEPTACULITES  
 SPIRIFER  
*Strophomena*  
 TRACHYPORA

**elevatus**

SPIRIFER

**ella**

LINGULELLA  
*Obolus (Westonia)*

**elliotti**

*Inoceramus*

**ellipsis**

UNIO

**elliptica (um)**

ASTARTE  
 CHONOPHYLLUM  
 CTENODONTA  
 CYATHOPHYLLUM  
*Lucina*  
 ORTHIS  
 PARACYCLAS  
 PENTREMITES  
 POPULUS  
*Pterinea*  
 SAGENOPTERIS  
*Tellinomya*  
*Thyrsopteris*

**ellisiana**

QUERCUS

**ellisi**

ELONICHTHYS

**elodes**

LIMNAEA

**elongatus (a, um)**

AMPHIGENIA  
 ANTHRACOMYA  
 BELLEROPHON  
 CLIDOPHORUS  
 CORYNOFRYPA  
 DESMOPTEUS  
 FULGURARIA  
 FUSISPIRA  
*Fusulina*  
 GONTURUS  
 HETERO CERAS  
 LINGULA  
*Macrocheilus*  
*Meganteris*  
*Navadites*  
 ORTHOPORA  
*Pentamerus*  
 PINNULARIA  
*Rensselaeria*  
 SIGILLARIA  
*Streptorhynchus (Strophomena)*  
*Stricklandinia*  
 SUBULITES  
 SYMPHYSURUS  
 TENTACULITES  
*Terebratula*  
 VOLUTA

**elora**

EUOMPHALOPTERUS

**emacerata**

*Avicula*  
 DALMANELLA  
*D. testudinaria*  
 DICRANOPORA  
*Orthis*  
 PTERINEA  
*Ptilodictya*

**emaciata**

FENESTELLA  
 STROPHOMENA

**emarginata (um)**

PALBONELLO  
 SPHENOPHYLLUM

**emersoni**

AMICULA

**eminens**

*Orthis*  
 RHIPIDOMELLA  
 SIGILLARIA

**emma**

*Cypricardites*  
*Cyrtodonta*  
 RHYTHMYA

**emmonsii**

FAVOSITES  
 MACLURITES  
 MAETRA

**emoryi**

TRIGONIA

**encaustus**

DYSGANUS

**endotrachys**

SPHAERIOLA

**engelmanni**

CORBULA  
 OSTREA  
 SPIRIFER

**enodus**

DIDYMOGRAPTUS

**ensiformis**

*Graptolithus*  
 PHAENOPORA  
*Ptilodictya*  
*Retiolites*  
 TRIGONOGRAPTUS

**eos**

CONOCEPHALITES

**cozica**

CYATHOPHYCUS  
*Cyathospongia*

**epidermatus**

FAVOSITES

**equabile**

ENTOLIUM

**equalis**

LINGULA

**equilatera**

*Beyrichia*

**equilateralis**

ARCA  
 TELLINA

**equiradiata**

CAMAROTOECHIA

**equisetiformis**

ANNULARIA  
 ASTEROPHYLLITES

**erato**

*Metopoma*  
 TRYBIDIUM

**erectipora**

FENESTELLA

**erectus (a, um)**

*Acrocilia*  
 ACTINODESMA  
 DENDROGRAPTUS  
 GLYPHODESMA  
 MODIOLOPSIS  
 NUCULITES  
 PLATYCERAS  
 WHITEIDELLA

**eremopteroides**

MARIOPTERIS

**erianus (a, um)**

*Cardiopterus*  
 NEUROPTERIS  
 ORMOXYLON  
 PSARONIUS

**eridani**

RHAMNUS

LIST OF SPECIFIC NAMES

**erlensis** (c)  
*Heliophyllum*  
 HOLOPEA  
 ORTHOCERAS  
*Productella*

**erigena**  
 RAPHDIA

**erigone**  
*Eunema*  
 TROCHONEMA (EUNEMA)

**erina**  
*Chasmops*  
 DALMANITES

**eripyle**  
*Cyathophyllum*  
 OMPHYMA  
 ZAPHRENTIS

**erosa** (um)  
 SPHENOPHYLLUM  
 TURRITELLA

**erratica**  
 BATOSTOMELLA  
*Catazyga*  
*Columnaria*  
*Orthis*  
*Orthonomaea*  
 ZYGOSPIRA

**erringtoni**  
 AUCELLA  
 LIMA

**eryna**  
 ORTHIS

**eryon**  
 CONOCEPHALITES

**eryx**  
 BADIOTITES  
*Cheirurus*  
 PSEUDOSPHEREXOCHUS

**escasoni**  
*Lingulella*  
 OBOLUS (WESTONIA)

**escharoides**  
*Calenipora*  
*Halysites*

**eschrichti**  
 ACIRSA

**estella**  
 ARCHINACELLA  
 COELOCAULUS  
*Metoptoma*  
*Murchisonia*

**esulcatus** (a)  
 LEPTOMERYX

**etheridgi**  
*Diplograptus*

**etna**  
 EUCONIA  
*Pleurotomaria*

**cubule**  
*Metoptoma*  
 TRYBLIDIUM

**eucharis**  
 DEVONASTER  
*Glossograptus*  
 HELICOTOMA  
 LASIOGRAPTUS  
 (THYSANOGRAPTUS)  
*Palaeaster*  
*Retiograptus*  
*Thysanograptus*

**eudocia**  
 ORTHIS

**eudora**  
 SPIRIFER (EOSPIRIFER)

**eugenia**  
 LIOSPIRA  
*Pleurotomaria*  
*Retzia*  
 RHYNCHONELLA  
*Rhynchospira*

**euglyphus** (a)  
 DIPLOGRAPTUS  
 (GLYPTOGRAPTUS)  
*Strophomena*  
 STROPHONELLA

**euphoeroides**  
*Archikul*

**eurekensis**  
 MOOREFIELDELLA

**europaeus**  
 GLYPTOSTROBUS  
 PENTACRINUS

**eurydice**  
 STRAPAROLLINA  
*Straparollus*

**euryone**  
 CYATHOPHYLLUM  
 ORTHIS

**euryteines**  
*Delthyris*  
 SPIRIFER

**eva**  
 LINGULA  
*Rhynchonella*

**evadne**  
 DALMANELLA  
*Orthis*

**evansi**  
*Leda*  
*Nucula*  
 TENTHREDOPSIS  
*Trigonia*  
 YOLDIA

**evax**  
 HOMOEOSPIRA  
*Rhynchospira*

**eventa**  
 INOCELLIA

**everetti**  
 PACHYDICTYA

**eversus**  
 ANTHONOMUS

**exanthemata**  
 PRODUCTELLA

**excavata**  
*Gyrodes*  
 GYRODES  
*Natica*  
 PERNA

**excedrinus**  
*Encrinurus*

**excellens**  
*Heterophrentis*  
 HYOLITHES  
 PHAENOPORA  
*Ptilodictya*  
 RHYNCHONELLA  
*Sticloporella*  
 ZAPHRENTIS

**excelsa**  
 HOLOPEA

**excisum**  
 SCAPHERPETON

**excita**  
 LORICERA

**exesum**  
 LATHROBIUM

**exiguus** (a, um)  
 ACERATHERIUM  
*Atrypa*  
*Clinoceras*  
 CYATHOPHYLLUM  
*Cyrtoceras*  
*Heliolites*  
 HELIOPHYLLUM  
 LEPERDITIA  
 LINGULELLA (LINGULEPIS)  
*Lingulepis starri*  
 LYELLA  
 ONCOCERAS  
 PHILLIPSASTRAEA VERRILLI  
 PROTOCRISINA  
*Protozyga*  
 STIGMARIA  
 TAENIOPORA  
 ZYGOSPIRA

**exilis** (e)  
 AMIA  
 AMPLEXUS  
 ANCHURA  
*Aporrhais*  
 CYCLOCRINUS  
 MODIOLOPSIS  
 ORTHOCERAS

**eximius** (a, um)  
*Arachnophyllum*  
 NEURANKYLUS  
 POTERICERAS  
 STROMBODES  
*Tornatina*

**exogyroides**  
 VOLVICERAMUS

**exorata**  
 RISSOA

**exornatus** (a)  
 PLEUROCYSTITES  
*P. filitextus*  
 TESTUDO

**expansum** (a, us)  
 ACTINOSTROMA  
*Athrotaxopsis*  
 ATHROTAXOPSIS  
*Bathyrullus*  
 BATHYURUS  
*Bellerophon*  
*Bucania*  
*Chioderma*  
*Crateripora lineata*  
 CYRTOLITES  
*Glyptostrobos*  
 GYRODES  
 HIPPOTHOA  
 MERISTINA  
 NUCULA  
 PHAENOPORA  
 PTEROTHECA  
 SALPINGOSTOMA  
 STREPTELASMA  
*Streptoplasma*  
*Taxodium (Glyptostrobos)*

**expatiata**  
 CLADOPORA

**explanatus** (a, um)  
 CAMAROPHORIA  
 DEINODON  
 EOPHYTON

GEOLOGICAL SURVEY

**explanatum**—Continued

PHAENOPORA  
PTILODICTYA  
*Pugnax*  
*Rhynchonella*  
STENOPORA  
**expletum**  
BEMBIDIUM  
**explorator**  
*Orthoceras*  
ORTHO CERAS  
**exporrecta**  
*Cyrtia*  
**exquisita**  
PLEUROTOMARIA  
**extans**  
*Asaphus*  
*Atrypa*  
BATHYURUS  
*Camarella*  
TRIPLECIA  
**extensus**  
DIDYMOGRAPTUS  
*Graptolithus*  
**extenuatus**  
CAMPTONECTES  
DIDYMOGRAPTUS  
*Graptolithus*  
**exterminatus**  
PLATYNUS  
**faba**  
COLPOMYA  
CYRTODONTA  
LEPERDITIA  
*Modiolopsis*  
**fabacea**  
ISOCHILINA  
**fabius**  
AGNOSTUS  
**fabricii**  
PSOLUS  
**fabulina**  
LEPERDITIA HISINGERI  
PRIMITIA  
**fabulites**  
*Cytherina*  
LEPERDITIA  
**facula**  
SCEPTROPORA  
**falcata**  
*Cladophlebis*  
MACTRA  
**falcatula**  
PENTHETRIA  
**falciformis**  
ESCHAROPORA  
*Ptilodictya*  
**falculus**  
DEINODON  
**fallax**  
ATRYPA  
**falk**  
*Cyrtoceras*  
MABLONOCERAS  
**farnsworthi**  
*Aphetoceras*  
*Lituites*  
TARPHYCERAS  
**fasciatus (a)**  
*Leptaena*  
PRODUCTUS  
*Strophomena*

**fasciculatus (a)**  
*Asterophyllites*  
PTERINEA  
VERMIFORA  
**fasiger**  
SPIRIFER  
**fastigiatum**  
CLATHRODICTYON  
**fatua**  
*Eunema*  
TROCHONEMA (EUNEMA)  
**fausta**  
CRYPTONELLA  
**favicola**  
CRANIA  
**favositoidea**  
MICHELINIA  
**favosus (a, um)**  
*Calamopora*  
FAVOSITES  
HEMITRYPA  
LINGULA  
SCAPHERPETON  
**fecundum**  
HEMOPHYLLUM  
**felinus (a)**  
DAPHOENUS  
DINICTIS  
**fenestrata (um)**  
ACTINOSTROMA  
CHASMATOPORA  
DICTYONEMA  
LEPIDODENDRON  
*Phylloporina*  
PROTOSPONGIA  
PTILODICTYA  
*Retopora*  
RHINIDICTYA  
*Stictopora*  
*Subretopora*  
SULCOPORA  
**feroniae**  
FAGUS  
**ferox**  
NAUTILUS  
**ferrieri**  
LISSOPRION  
**ferruginea**  
LINGULELLA  
**fertile**  
*Batostoma*  
**ferum**  
*Orthoceras*  
SPYRO CERAS  
**festinata**  
BILLINGSSELLA  
*Orthisia*  
**fiber**  
CASTOR  
**fibrata (um)**  
SYRINGOPORA  
TETRADIUM  
**fibrosus (a)**  
*Avicula*  
*Calamopora*  
*Hindia*  
NEMATAXIS  
*Pseudoptera*  
PTERIA  
STENOPORA  
**ficoides**  
STIGMARIA

**fieldensis**  
WAPTIA  
**fillicinctus (um)**  
*Ammonites*  
*Gyroceras*  
STROPHOSTYLUS  
**filicita**  
LEPTAENA  
**filicula**  
*Trichomanites*  
**filiformis**  
AULOPORA  
FENESTELLA  
HEDERELLA  
**filistriata**  
CTENODONTA  
**filitextus (a, um)**  
GYRO CERAS  
*Hemipronites*  
*Leptaena*  
*Pleurocystites*  
PLEUROTOMARIA  
*Streptorhynchus*  
STROMATOPORA  
STROPHOMENA  
**filosa**  
*Crania*  
*Dalmanella emacerata*  
*Discina*  
LUCINA  
*Obolus*  
*Orbicula*  
*Orbiculoidea*  
PENTREMITES  
PENTREMITIDEA  
RAUFFELLA  
SCHIZOCRANIA  
*Trematis*  
VALVATA  
**fimbriatus (a)**  
ASTRALITES  
*Cyclopteris*  
*Delthyris*  
LYCOCERAS  
*Martinia*  
NEUROPTERIS  
RETICULARIA  
RETOCRINUS  
SPHAEROBOLUS  
*Spirifer*  
S. (MARTINIA)  
STROPHEDONTA  
**firma**  
PACHYDICTYA  
**fischeri**  
*Alveolites*  
AMPHION  
*Area*  
*Atops*  
CLADOPHLEBIS  
CLADOPORA  
LASTREA (GONIOPTERIS)  
NEMODON  
*Pachypora*  
*Spirifer*  
TRIARTHURUS  
**fisstocosta**  
OPISTHOPTERA  
PLATYSTROPHIA  
**fissurella**  
STYLIOLINA  
TENTACULITES  
**fissus**  
*Asterophyllites*  
MONOCLONIUS

LIST OF SPECIFIC NAMES

|  |  |  |
|--|--|--|
| <b>fistulata</b><br>POLYFORA   | <b>flexus</b><br><i>Monoclonius</i>  | <b>formosus</b> —Continued<br><i>Retzia</i><br><i>Rhynchonella</i><br>RHYNCHOSPIRA<br>RHYNCHOTREMA<br>SELAGINITES<br>SPHAERIUM<br><i>Striatopora</i><br>TELLINA<br><i>Trematospira</i><br><i>Troodon</i><br><i>Voisella</i>                      |
| <b>fitchi</b><br>LOXONEMA  | <b>florealis</b><br>AMYGDALOCYSTITES<br><i>Encrinites</i><br><i>Pentremites</i>  | <b>formaculus</b><br><i>Spirifer</i>   |
| <b>fittoni</b><br>CALATHIUM<br>PERNA   | <b>florencvillensis</b><br><i>Isotelus</i>   | <b>fornicatus (a)</b><br><i>Barrandella</i><br>CLORINDA<br>CREPIDULA<br><i>Pentamerus</i>  |
| <b>flabella</b><br><i>Atrypa</i><br><i>Orthis</i><br><i>Platystrophia</i><br>PTERINEA  | <b>floridus</b><br>ANTHOLITHES   | <b>fossa</b><br>LEDA   |
| <b>flabellaris</b><br>TUBULIPORA   | <b>florissanti</b><br>PINUS  | <b>fossilis</b><br>ALNUS SERRULATA<br>ANTHONOMUS<br><i>Corylus americana</i><br><i>C. rostrata</i><br>HOMOTHETUS<br>ONOCLEA SENSIBILIS   |
| <b>flabellatus (a, um)</b><br><i>Atrypa</i><br>COSCIINIUM<br><i>Noeggerathia</i><br>PSYGMOPHYLLUM<br>STERRHOLOPHUS<br>TRICERATOPS  | <b>fluctuosa</b><br>STROPHOMENA  | <b>foulkii</b><br>HADROSAURUS  |
| <b>flabellifer</b><br><i>Bronteus</i><br>GOLDIUS   | <b>fluitans</b><br>CARDIOCARPON  | <b>foveatus</b><br>ASPIDERETES<br><i>Trionyx</i>   |
| <b>flabelliformis (e)</b><br><i>Diclyograptus</i><br>DICTYONEMA<br><i>Fenestella</i><br><i>Gorgonia</i><br><i>Rhabdinopora</i>   | <b>flumenis</b><br>LEPTOBOLUS  | <b>fractus</b><br>PTEROSTICHUS<br>XYLOBIUS   |
| <b>flabellites</b><br>ANOPLOTHECA<br><i>Atrypa</i><br>LEPTOCOELLA<br>ORTHIS  | <b>fluvialilis (e)</b><br>ANODONTA<br>EQUISETUM  | <b>fragilis (e)</b><br>ASTARTE<br><i>Cyclas</i><br><i>Cyrtoceras</i><br>DICRANOPORA<br>HELOPORA<br>MACOMA<br>ONCOCERAS<br><i>Ptilodictya</i><br>RHABDARIA<br>SELKIRKIA<br>SPHENOPTERIS<br>SPONDYLUS<br><i>Stictopora</i><br><i>Stropheodonta</i> |
| <b>flabellulum</b><br><i>Orthis</i>  | <b>foliaceus (a)</b><br>CORNUSPIRA<br>DIPLOGRAPTUS<br><i>Graptolithus</i><br><i>Retepora</i>   | <b>fragmentum</b><br>BEMBDIUM  |
| <b>flaccidus</b><br><i>Graptolithus (Dichograptus)</i><br>LEPTOGRAPTUS   | <b>foliata</b><br>PACHYDICTYA  | <b>francisci</b><br>CLADOPORA  |
| <b>flagella</b><br>PTILODICTYA   | <b>foliosa</b><br>ASTEROPHYLLITES  | <b>franklinense</b><br>ACTINOSTROMA<br><i>Clathrodictyon</i>   |
| <b>flavium</b><br>ORTHOCERAS   | <b>folium</b><br><i>Diplograptus</i><br><i>Graptolithus</i>  | <b>franklini</b><br><i>Martinia</i><br><i>M. glabra</i><br>RETICULARIA<br>SMILAX<br><i>Spirifer</i><br><i>S. glabra</i>  |
| <b>flemingi</b><br>ANOMIA<br><i>Chonetes</i>   | <b>follis</b><br>PLASMOFORA  | <b>fraternus</b><br>BATHYURELLUS<br><i>Bellerophon</i><br>ILLAENUS<br>SALPINGOSTOMA  |
| <b>fletcheri</b><br><i>Chaetetes</i><br>PYSMAPHORA<br>SPHAEROPHTHALMUS   | <b>fontis</b><br>CYLINDRONDON  | <b>fredericksburgensis (e)</b><br>ASPIDIUM<br><i>Dryopteris</i>  |
| <b>flexilis</b><br>CLONOGRAPTUS<br>DICHOGRAPTUS<br>DICTYOGRAPTUS<br><i>Graptolithus (Dichograptus)</i>   | <b>foordi</b><br>EUSTHENOPTERON  |  |
| <b>flexistriatus</b><br>EUOMPHALUS<br>STRAPAROLLUS   | <b>foraminifera</b><br>GLOBIGERINA   |  |
| <b>flexuosus (a, um)</b><br>BUTHOTREPHIS<br><i>Conchicolites</i><br>CORDAITES (PSYCHNOPHYLLUM)<br>CORNULITES<br>CYRTODONTA<br>DENDROGRAPTUS<br>NEUROPTERIS<br><i>Ptychnophyllum</i><br>QUERCUS<br>SALIX<br><i>S. protaefolia</i><br>SIGILLARIA<br>STRIATOPORA<br><i>Tentaculites</i> | <b>forbesi</b><br><i>Discina</i><br>FAVOSITES<br>GLYPTOCYSTITES<br><i>Hyolithes</i><br>LINGULA<br>THECA  |  |
|  | <b>forbesianus (um)</b><br><i>Ammonites</i><br>PHYLLOCERAS   |  |
|  | <b>forchammeri</b><br>DICELOGRAPTUS<br><i>Graptolithus</i><br>PARADOXIDES  |  |
|  | <b>forficula</b><br>CERATOPYGE   |  |
|  | <b>formosus (a, um)</b><br>ABRA<br>BATHYURELLUS<br>CALATHIUM<br>CAMAROTOECHIA<br><i>Conocephalites</i><br>CONULARIA<br><i>Cyclas</i><br><i>Dicranograptus</i><br>GLYPHITHYREUS<br>HELOPORA<br>LICROPHYCUS<br><i>Linearia</i><br>MODIOLA (VOISELLA)<br>ORTHOCERAS |  |

GEOLOGICAL SURVEY

|   |   |   |
|---|---|---|
| <b>frigidus</b><br>PATROBUS   | <b>gabbi</b><br>ARCESTES<br><i>Fulguraria</i><br>ROSTELLITES  | <b>gelidus</b><br>PTEROSTICHUS  |
| <b>fringilla</b><br>CAMAROTOECHIA<br><i>Rhynchonella fringilla</i>  | <b>galba</b><br><i>Agnostus</i><br>ARTHORRHACHIS  | <b>gemellae</b><br>DIDYMOGRAPTUS<br><i>Graptolithus</i>   |
| <b>frondosa</b><br><i>Alecto</i><br><i>Alveolites</i><br>CLADOPORA<br><i>Pachypora</i><br>PROBOSCINA  | <b>galbana</b><br>LIMNAEA   | <b>geminatus</b><br>BYRRHIUS  |
| <b>frontalis</b><br>LEPERDITIA  | <b>galeatiformis</b><br><i>Pentamerus</i>   | <b>geminus</b><br>DIDYMOGRAPTUS<br><i>Graptolithus</i>  |
| <b>frustum</b><br>LATHROBIUM  | <b>galeatus (a)</b><br>GYPIDULA (SIEBERELLA)<br><i>Pentamerus</i><br><i>Puncturella</i><br><i>Sieberella</i><br>STROPHEODONTA<br><i>Strophomena</i>   | <b>gemma</b><br>ACROTRETA<br><i>Sphenophyllum</i>   |
| <b>fruticosus (a, um)</b><br><i>Bythopora</i><br>CALLITHAMNOPSIS<br>DENDROGRAPTUS<br><i>Didymograptus</i><br><i>Graptolites (Didymograptus)</i><br><i>Graptolithus</i><br><i>Oldhamia</i><br>STICTOPORA<br>TETRAGRAPTUS | <b>galeus</b><br>TRICERATOPS  | <b>gemmicula (um)</b><br>ORTHIDIUM<br><i>Orthis</i>   |
| <b>fugax</b><br>DIDELPHYS (PERATHERIUM)<br><i>Peratherium</i>   | <b>galiodes</b><br>ANNULARIA<br><i>Asterophyllites</i>  | <b>gemmulus (a)</b><br>ACROTRETA<br><i>Leptobolus</i>   |
| <b>fulgur</b><br>ACTINOCERAS<br><i>Orthoceras</i>   | <b>gallatiensis</b><br><i>Conocoryphe (Ptychoparia)</i>   | <b>generosa</b><br>PANOPAEA   |
| <b>fultonensis</b><br>ATHYRIS<br>ATRYPA   | <b>galtensis (e)</b><br><i>Coenostroma</i><br>COLUMNARIA<br>CYCLONEMA<br><i>Dinobolus</i><br>EOTOMARIA<br>EUOMPHALUS<br><i>Ilionia</i><br><i>Obolellina</i><br><i>Obolus</i><br><i>Pleurotomaria</i><br>PROLUCINA<br>RHINOBOLOS<br>STROMATOPORA | <b>genetrix</b><br>POPULUS  |
| <b>fulvus (a)</b><br>CONULUS<br>IMPATIENS   | <b>gamagei</b><br>ACROTHELE   | <b>geniculatus (a, um)</b><br>AMMONITES<br><i>Brachypriion</i><br><i>Callotrypa</i><br>OHIOCRINUS<br>POTAMOGETON<br><i>Stropheodonta</i><br><i>Strophonella (Strophopriion)</i><br><i>Strophopriion</i>                   |
| <b>funatus (a)</b><br>EUOMPHALUS<br>HORMOTOMA<br>MURCHISONIA  | <b>gamma</b><br><i>Asaphus</i>  | <b>geniculosus (a)</b><br>CALAMITES<br><i>Terebratula</i>   |
| <b>fungosum</b><br><i>Receptaculites</i>  | <b>gardeni</b><br><i>Ammonites</i><br><i>Desmoceras</i><br>HAUERICERAS  | <b>genitiva</b><br>ZAPHRENTIS   |
| <b>funiculata</b><br>STROPHOMENA  | <b>gaspensis</b><br>FAVOSITES<br>LOXONEMA<br>SPIRIFER   | <b>geometricus</b><br>SPHAEROCRINUS   |
| <b>funiculus</b><br>PALAEOPHYCUS  | <b>gaspianum</b><br>LEPIDODENDRON   | <b>germanus</b><br>AGNOSTUS TRISECTUS   |
| <b>furcatus (a)</b><br>DICRANOGRAPTUS<br><i>Diplothemema</i><br><i>Graptolithus</i><br><i>Hymenophyllites</i><br>RHABDARIA  | <b>gaspianus</b><br>ARCHAEOPTERIS<br>STRICKLANDINIA   | <b>gerolsteinense</b><br><i>Dictyophyton</i>  |
| <b>furcillatus</b><br><i>Didymograptus murchisoni</i><br>DIDYMOGRAPTUS  | <b>gaudana</b><br><i>Ammonites</i>  | <b>gersdorfi</b><br><i>Hymenophyllites</i><br><i>Sphenopteris</i>   |
| <b>furcinervis</b><br><i>Quercus</i>  | <b>gaudini</b><br>RHAMNUS   | <b>gervillei</b><br>AMMONITES   |
| <b>furnarius</b><br><i>Orthis iowaensis</i>   | <b>gebhardi</b><br>MITROCERAS<br><i>Trochoceras</i>   | <b>gesneri</b><br>ENDODESMA<br><i>Modiolopsis</i>   |
| <b>furtivum</b><br><i>Orthoceras</i><br>PROTOCYCLOCERAS   | <b>geinitzianus (a)</b><br>CHONETES DEFLECTUS<br><i>Clathrograptus</i><br>OPISOMA<br>PTILOGRAPTUS<br><i>Reteograptus</i><br>RETIORAPTUS<br>RETIOLITES   | <b>gibbera</b><br>LEPERDITIA<br>L. HISINGERI  |
| <b>fusca</b><br>MACOMA  | <b>gelatus</b><br>PATROBUS  | <b>gibberosum</b><br><i>Pachypoma</i><br>TROCHUS  |
| <b>fusiforme</b><br>ASCODICTYON<br>ORTHOCERAS   |   | <b>gibberulus (a)</b><br>CTENODONTA<br>DOLICHOMETOPUS<br>HELODUS<br>HOLOPEA   |
| <b>fustiformis</b><br>SCEPTOPORA  |   | <b>gibbosus (a)</b><br><i>Chonetes</i><br>CTENODONTA<br><i>Dalmanella</i><br><i>Lyonsia</i><br><i>Oncoceras</i><br><i>Orthis</i><br><i>Orthis (Dalmanella) subaequata</i><br>PIANODEMA SUBAEQUATA<br>TREMATOSPIRA<br>UNIO |
| <b>futile</b><br>ONCOCERAS  |   |   |



LIST OF SPECIFIC NAMES

- gibbus**  
*Inoceramus*
- giganteus (a)**  
ANOMALOCARIS  
ANOMALODONTA  
*Caryophyllia*  
HELICION  
HORMOTOMA  
LIMA  
MASTODON  
MENODUS  
*Murchisonia*  
NEUROPTERIS  
PANOPHLEBIA  
PRODUCTUS  
PTILODICTYA  
RHACHIOPTERIS  
ZAPHRENTIS
- gigas**  
*Asaphus*  
CALAMITES  
ISOTELUS  
*Lepidodendron*  
MANOSPONDYLUS  
*Phillipsastraea*  
PHILLIPSASTRAEA
- gilberti**  
CYSTODICTYA  
OLENELLUS  
PTILODICTYA
- gilboensis**  
*Noeggerathia*  
PSYGMOPHYLLUM
- girtyi**  
CARDIOCARPON
- girvanense**  
BATOSTOMA
- glaber (bra, brum)**  
*Anomites*  
*Cucullaea*  
DESMOCERAS AFFINE  
DICRANOPHYLLUM  
HAMITES  
LYELLIA  
MARTINIA  
OSTREA  
PALAEOCCORYSTES  
*Placenticerus*  
*Propora*  
*Psilophyton*  
*Pyrula*  
RHYTOPHORUS  
*Sarcinula*  
*Spirifer*  
SPORANGITES  
SYCODES  
*Triarthrus*
- glacialis (c)**  
ANISONOTUS  
BUCCINUM  
CAMAROTOECHIA  
LEDA  
LORICERA  
PORTLANDIA  
*Rhynchonella*  
*Shumardia*
- glaciatu (um)**  
BEMBIDIUM  
BLEDIUS
- gladiola**  
PTILODICTYA
- gladius**  
*Torosaurus*
- glandicephalus**  
BATHYURELLUS  
BATHYURUS
- glandula**  
CRENELLA
- glansfagea**  
CENTRONELLA  
*Rhynchonella*
- glaucus**  
*Ceraurus*  
*Cheirurus*  
NIESZKOWSKIA  
ORTHOCERAS
- glincanum**  
LEPIDODENDRON
- globosus (a)**  
BUMASTUS  
ENTOSOLENIA  
*Illaenus*  
GRAMMYSIA  
LEPIDOSTROBUS  
LYCOPODITES  
MENOCEPHALUS  
ORIOSTOMA  
PASCEOLUS  
*Pentremites*
- globulare**  
*Receptaculites*
- globulosa**  
TEXTULARIA
- glomerata**  
STICTOPORA
- glommerata**  
*Clathropora*  
STICTOPORA
- glyptocystites**  
GLYPTOCRINUS
- gnathophora**  
*Rhynchonella*
- godoni**  
*Encrina*  
PENTREMITES
- goldfussi**  
ALVEOLITES  
*Columnaria*  
EUOMPHALUS  
LYOPORA
- goniata**  
CERATOCEPHALA
- gonionotus**  
UNIO
- goniophorus**  
*Fusus (Serrifusus)*
- goniostoma**  
PLEUROTOMARIA
- goniumbonata**  
WHITELLA
- goniurus**  
*Asaphus*  
MEGALASPIS
- goodwini**  
FAVOSITES
- göpperti**  
BEINERTIA  
*Betula*  
*Cheilanthis*  
ONYCHIOPSIS  
RUFFORDIA  
*Sphenopteris*
- gorgonea**  
HELICOTOMA
- gothlandicus (a)**  
*Calamites*  
*Columnaria*  
EUOMPHALUS  
*Favosites*  
FAVOSITES
- gouldiana**  
CLIDOPHORUS
- gouldii**  
CRYPTODON
- goupilianus**  
AMMONITES
- gracia**  
HOLOPEA
- gracilens**  
HORMOTOMA  
*Murchisonia*  
PIKAI
- gracilentia**  
VAUXIA
- gracilis (c)**  
ACERVULARIA  
AMYGDALUS  
APHYLLOSTYLUS  
ARAUCARITES  
ARTHOSTIGMA  
*Batostomella*  
BEATRICEA  
BUTHOTREPHIS  
BYTHOPORA  
BYTHOTREPHIS  
*Catenipora*  
*Chaetetes*  
CHEIROCRINUS  
C. LOGANI  
*Cladograpsus*  
CLEICHENIA  
*Coenograptus*  
CONULARIA  
CORNULITES FLEXUOSUS  
CYMBOPHORA  
DENDROGRAPTUS  
DENTALIUM  
*Dichyonema*  
DIPHYPHYLLUM  
DISCOSORUS  
*Filicites*  
*Fucoides*  
*Glyptocystites*  
G. LOGANI  
*Graptolithus*  
HALYSITES  
*H. catenularia*  
*Heliograptus*  
*Homotrypella*  
HORMOTOMA  
*Isochilina*  
ISOCHILINA  
*Leperditia*  
*L. (Isochilina)*  
*Lepidodendron*  
LOXONEMA  
LYCROPHYCUS  
MACPRA  
MOLLISONIA  
*Monograptus*  
*Monticulipora (Heterotrypa)*  
*Murchisonia*  
NEMAGRAPTUS  
PETRAIA  
PILOCERAS  
PLUMALINA  
POLYPORA  
POTERICERAS  
SCHLOENBACHIA  
SELENELLA

GEOLOGICAL SURVEY

|                                |                                      |                                |
|--------------------------------|--------------------------------------|--------------------------------|
| <b>gracilis (c)</b> —Continued | <b>granulatus (a, um)</b> —continued | <b>groteanus</b>               |
| SELKIRKIA                      | CONULARIA                            | AMMONITES                      |
| <i>Sequoia</i>                 | HELICION                             | <b>gruenewaldti</b>            |
| SPHENOPTERIS                   | SPHAEROCORYPHE                       | PRODUCTUS                      |
| <i>Stephanograptus</i>         | STROMATOPORELLA                      | <b>guelphensis</b>             |
| SYRINGODENDRON                 | TURRITELLA SERIATIM                  | HOLOPEA                        |
| TETRAGONOCERAS                 | <b>granuliferus (a)</b>              | PYCNOSTYLUS                    |
| <i>Triplecia</i>               | CHONETES                             | <b>guelphica</b>               |
| WALCHIA                        | <i>Delthyris</i>                     | LEPERDITIA BALTHICA            |
| <b>gracillimus (a, um)</b>     | <i>Spirifer</i>                      | L. PHASEOLUS                   |
| CHONDRITES                     | <b>granulosus (a)</b>                | LOPHOSPIRA                     |
| <i>Glyptostrobus</i>           | <i>Aveolites</i>                     | <b>guyottii</b>                |
| LIXONEMA                       | CALYMENE                             | SPHENOPTERIS                   |
| SEQUOIA                        | <b>granulosus (Cont.)</b>            | <b>gyracanthus</b>             |
| <b>gracillistriatus</b>        | <i>C. callicephala</i>               | TENTACULITES                   |
| TENTACULITES                   | <i>Delthyris</i>                     | <b>gyrata</b>                  |
| <b>graftonensis (e)</b>        | DIKELOCEPHALUS                       | DOSINIA                        |
| DISCOCCERAS                    | PELTOSAURUS                          | <b>gyrogonia</b>               |
| LITUITES                       | RHYTIMYA                             | MURCHISONIA                    |
| <b>grallipes</b>               | SHUMARDIA                            | <b>haesitans</b>               |
| PTEROPELYX                     | SPIRIFER                             | ORTHOCCERAS                    |
| <b>graminaefolia</b>           | <b>graphitiferous</b>                | <b>hageri</b>                  |
| OLEANDRA                       | HALICHONDRIITES                      | CYCLONEMA                      |
| PODOZAMITES                    | <b>graptolithinum</b>                | <b>hagersvillense</b>          |
| <b>granatum</b>                | DICTYONEMA                           | ORTHOCCERAS                    |
| CARYOCYSTITES                  | <b>gratiosus</b>                     | <b>haguei</b>                  |
| <b>grandaevus (a)</b>          | HOMOTELUS                            | AVICULOPECTEN                  |
| BELNURUS                       | <b>grayi</b>                         | <b>haidaquensis</b>            |
| BILLINGSSELLA                  | ACTINOCYSTIS                         | HOPLITES                       |
| <b>grandescens</b>             | <i>Heliolites</i>                    | <b>hainesi</b>                 |
| CERCOPIIS                      | <b>grayiae</b>                       | <i>Cypricardites</i>           |
| <b>grandifolius (a)</b>        | TRIPLECIA                            | ORTONELLA                      |
| ALNITES                        | <b>greeni</b>                        | <b>haldemani</b>               |
| <i>Corylus</i>                 | CONCHIDIUM                           | PROETUS                        |
| CTENOPHYLLUM                   | <i>Lepidodendron</i>                 | <b>halei</b>                   |
| MAIANTHEMUM                    | <b>gregarius (a, um)</b>             | EUOMPHALOPTERUS                |
| <i>Podozamites</i>             | BATHYURUS                            | <i>Plewotomaria</i>            |
| <b>grandini</b>                | <i>Corbula</i>                       | <i>Trochonema</i>              |
| ALETHOPTERIS                   | CORBULAMELLA                         | <b>hallanus (a)</b>            |
| <b>grandis (e)</b>             | <i>Crania</i>                        | PRODUCTELLA                    |
| ALETHOPTERIS                   | <i>Cyclocrinites</i>                 | <i>Productus (Productella)</i> |
| ASTEROPHYLLITES                | <i>Cyclocrinus</i>                   | <b>hali (f)</b>                |
| <i>Athrotaxopsis</i>           | <i>Delthyris</i>                     | AMPYX                          |
| BACULITES                      | DENDROCRINUS                         | <i>Asaphus</i>                 |
| CARPINUS                       | NIDULITES                            | <i>Buthotrephites</i>          |
| <i>Carpolithes</i>             | <i>Pasceolus</i>                     | <i>Conocephalites</i>          |
| CLEIOCRINUS                    | PLEUROTOMARIA                        | <i>Cyathophyllum</i>           |
| <i>Cystiphyllum</i>            | <i>Primitia</i>                      | <i>Cyclocrinites</i>           |
| GLOSSOCARPELLITES              | <i>Pugiunculus</i>                   | <i>Cyclocrinus</i>             |
| HEMISPALODON                   | SPIRIFER                             | CYCLOCYSTOIDES                 |
| ILLAENUS                       | THECA (PUGIUNCULUS)                  | <i>Dadoxylon</i>               |
| <i>Isochilina</i>              | <b>gregwa</b>                        | <i>Gomphoceras</i>             |
| ISOCHILINA                     | LINGULA                              | <i>Goniceras</i>               |
| <i>Lichas</i>                  | LINGULEPIS                           | <i>Heliophyllum</i>            |
| <i>Lingulella</i>              | <i>Obolus (Lingulepis)</i>           | <i>Lonchodomas</i>             |
| L. LAEVIS                      | <b>grenvillense</b>                  | <i>Orthis</i>                  |
| MENISPERMITES                  | RUSOPHYCUS                           | PASCEOLUS                      |
| ORNITHOMIMUS                   | <b>griffithi</b>                     | <i>Platynus</i>                |
| POLLINGERIA                    | AMMONITES                            | <i>Plectoceras</i>             |
| TRIMERELLA                     | <b>groenlandicus (a, um)</b>         | <i>Trochoceras</i>             |
| VESICULUM                      | APHRODITE                            | <b>hallianus (a, um)</b>       |
| <b>granilinea</b>              | BUCCINUM                             | CYCLONEMA                      |
| POLYORA                        | CARDIUM                              | CYCLOPTERIS (ARCHAEOPTERIS)    |
| <b>granistriata</b>            | LUNATA                               | DENDROGRAPTUS                  |
| CHASMATOPORA                   | MACOMA                               | <i>Graptolithus</i>            |
| <i>Phylloporina</i>            | M. FUSCA                             | POLYORA                        |
| <b>granti</b>                  | NATICA                               | ZITTELCCERAS                   |
| FOHARPES                       | PECTEN                               | <b>halysitoides</b>            |
| <i>Harpes</i>                  | PHOCA                                | TETRADIMUM                     |
| <b>granularis</b>              | SCALARIA                             | <b>hamiltonensis (e)</b>       |
| ECHINUS                        | <i>Serripes</i>                      | ASTRAEOSPONGIA                 |
| <b>granulatus (a, um)</b>      | TELLINA                              | CERIOFORA                      |
| ACROTHELE                      | <b>grossedentatum</b>                | <i>Cyrtia</i>                  |
| BEYRICHIOPSIS                  | ACER                                 |                                |

LIST OF SPECIFIC NAMES

**hamiltonensis** (e)—Continued

CYRTINA  
 CYSTODICTYA  
 GONIOPHORA  
 RETEFORINA  
*Sanguinolites*  
 STREBLOTRYPA  
**hamiltoniae**  
*Crania*  
*Craniella*  
 CYCLONEMA  
 DICTYONEMA  
 FAVOSITES  
 LOXONEMA  
 MACRODON  
 PETROCRAZIA  
 PHOLIDOPS  
**hammelli**  
*Beyrichia*  
 CTENOBOLINA  
*C. ciliata*  
 SPYRO CERAS  
**hammeri**  
 BALANUS  
**hamptoni**  
 PENTACRINITES  
**hamulus**  
*Conocephalites*  
 LONCHOCEPHALUS  
**hanoverensis**  
*Strophomena*  
**haradai**  
 PACHYDISCUS  
**hardingi**  
 RHIZODUS  
 STREPSODUS  
**harlani**  
*Arthropycus*  
*Fucoides*  
 PARADOXIDES  
**harmonia**  
 EUNELLA  
*Holopea*  
*Terebratula*  
**harpaeformis**  
 POTAMIDES  
**harpalyce**  
*Athyris*  
*Whitfeldella*  
**harpularia**  
 BELA  
 MANGELIA (BELA)  
**harpya**  
 PLEUROTOMARIA  
**harrietta**  
 CYRTODONTA  
**harrimani**  
 PICEA  
**harrisi**  
 HELOFORA  
**harrisoni**  
 SCELDOSAURUS  
**hartmanni**  
 PINNA  
**hartshornianus**  
 PROTEOIDES  
**harttanum**  
*Orthoceras*  
**hartti**  
 LITHENTOMUM  
 PALAEOPTERIA

**hartti**—Continued

PLATYNUS  
*Sphenopteris*  
**harveyi**  
 CERITHIUM  
 MEYERIA  
 PALAEOCORYSTES  
**haskinsi**  
 MERISTELLA  
**hastata** (um)  
*Lepidostrobis*  
*Orthoceras*  
*Terebratula*  
 TRIPTEROCERAS  
**hastingsense**  
 AESCULOPHYLLUM  
**hatcheri**  
*Baena*  
**hawkei**  
*Lingula*  
**hawni**  
*Spirigera*  
**haydeni**  
 AMMONITES  
 CYPERACITES  
 DESMOCERAS  
 PALAEOLAGUS  
 PLATANUS  
 PROTOPHYLLUM  
*Puzosia*  
 UNIO  
**haydenianus**  
 DYSGANUS  
**hayniana**  
*Cypricardites*  
*Cyrtodonta*  
 VANUKEMIA  
**haywardi**  
 BEMBIDIUM  
**hazenianus**  
 DEINODON  
**headi**  
 CATAZYGA  
*Glossia*  
*Graptolithus*  
 TETRAGRAPTUS  
 ZYGOSPIRA  
**hebe**  
 MACROCHILINA  
 MURCHISONIA  
 PLEUROTOMARIA  
**hecate**  
*Centronella*  
**hector**  
 PHRAGMOCERAS  
**hecuba**  
 STROPHOMENA  
**heddingtonensis**  
 MELANIA  
**heeri**  
 CALLISTEMOPHYLLUM  
 CINNAMOMUM  
*Daphorogene*  
 OSMUNDA  
 PLATANUS  
 SEQUOIA  
**helderbergia** (ae)  
 FAVOSITES  
 SCHIZOCRAZIA  
**helena**  
 ALBERTELLA  
 BELLEROPHON  
 DALMANITES

**helena**—Continued

LIOSPIRA  
*Pleurotomaria*  
**helianthoides**  
*Strombodes*  
**helicina**  
 MARGARITA  
**helicoides**  
*Natica*  
**helicteres**  
 LOPHOSPIRA  
*Murchisonia*  
**heliophyllum**  
 CYLINDROBELLIUM  
**helvetica**  
 WIDDINGTONIA  
**hemicyclus**  
*Cycloporina*  
 SEMIOSCINIUM  
**hemiplicatus** (a)  
*Camarella*  
 PARASTROPHIA  
*Pentamerus*  
**hemisphericus** (a, um)  
*Anoplothea*  
*Atrypa*  
 CALAMOPORA  
*Chonetes*  
 COELOSPIRA  
 DIAPHOROSTOMA  
*Emmondsia*  
*Euomphalus*  
 FAVOSITES  
*Leptocoelia* (*Atrypa*)  
 PARASTROPHIA  
 PLATYSTOMA  
 STROPHODONTA  
*Strophomena*  
**hennahi**  
 PHILLIPASTRAEA  
**hera**  
 ACROTHELE SUBSIDUA  
**herculeanus**  
*Homalonotus*  
 PTEROSTICHUS  
**hercules**  
 LIPTOCERAS  
*Nautilus*  
**hercyna**  
*Murchisonia*  
*Pleurotomaria*  
**hermione**  
*Avicula*  
 LOPHOSPIRA  
*Murchisonia*  
 PROLOBELLA  
**heros**  
 LUNATA  
*Natica* (*Lunatia*)  
 STREPTOCERAS  
**herriecki**  
*Ulaenus*  
**hesione**  
*Spirifer*  
**hespelerensis**  
 LOPHOSPIRA  
*Murchisonia*  
**hesperus**  
 DESMOSTYLUS  
**heteroclitia**  
 CYRTINA

GEOLOGICAL SURVEY

**heterocostalis**  
CUPULOCRINUS  
*Scyphocrinus*

**heterodonta**  
BETULA

**heteroloba**  
*Thyrsopteris*

**heteromorpha**  
*Thyrsopteris*

**heterophyllus (a)**  
ALETHOPTERIS LONCHITICA  
CYCLOPTERIS  
NEUROPTERIS  
PLATANUS  
SEQUOIA

**heterostropha**  
PHYSA

**hexagonalis**  
CENELLIPSIS  
PACHYDICTYA  
POLYFORA

**hexagonum**  
CYATHOPHYLLUM

**hiatella**  
SAXICAVA RUGOSA

**hibernicus (a)**  
ARCHAEOPTERIS  
CYCLOPTERIS

**hicksi**  
TETRAGRAPTUS

**hieroglyphus**  
CERATODUS

**highlandensis**  
BILLINGSSELLA  
*Orthis*

**hildrethi**  
*Diplothmema*  
*Hymenophyllites*

**hillana (um)**  
*Cardium*  
PROTOCARDIA

**hilli**  
ANTHRAPALAEEMON

**hiltonense**  
LYCOPHYCUS

**hincksi**  
*Asaphus*

**hindei**  
ELYMOCARIS  
PLATYNUS  
SEMICOSENIUM

**hindii**  
ACTINOCERAS  
*Cypricardites*  
*Cyrtodonta*  
ORTHO CERAS  
WILITELLA  
YOLDIA

**hipparionyx**  
*Orthis*  
*Streptorhynchus*

**hippolyta**  
STRAPAROLLUS

**hippolyte**  
ORTHIS  
*Retzia*  
RHYNCHOSPIRA

**hirsuta**  
*Athyris*  
*Atrypa*  
CLEIOTHYRIDINA  
*Cleiothyris*

**hirsuta**—continued  
PARAZYGA  
*Spirigera*  
*Trematospira*

**hirtus (a)**  
MICROMUS  
PECOPTERIS

**hirundo**  
DIDYMOGRAPTUS  
*Graptolithus*

**hisingeri**  
*Dikelocephalus*  
FAVOSITES  
LEPERDYIA  
LISANIA  
ORTHO CERAS  
SYRINGOPORA

**hispidus (a)**  
CYCLOPTERIS  
FAVOSITES

**hitcheockiana**  
SPHENOPTERIS

**hoeninghausi**  
CROSSOTHECA (SPHENOPTERIS)  
*Sphenopteris*

**hoffmani**  
*Ammonites*  
PLEUROPACHYDISCUS

**holopiforme**  
ACANTHONEMA

**holopyge**  
BATHYNOTUS  
*Peltura (Olenus)*

**homalonotoides**  
*Asaphus*  
ECTENASPIS  
ISOTELOIDES

**homfrayi**  
DICTYOGRAPTUS

**honeymani**  
*Avicula*  
PTERINEA

**hookeri**  
POPULUS  
TRIGONOCARPUM

**hornbyensis (e)**  
HETERO CERAS  
NUCULA  
SURCULA

**hornii**  
*Bulla*  
CORBULA  
*Equisetum*  
HAMINEA

**horridus**  
ANTHOLITHES  
*Carpolithes*  
DEINODON  
TRICERATOPS

**horsfordi**  
CAMAROTOECHIA  
*Rhynchonella*

**hortensia**  
*Pleurotomaria*  
RAPHISTOMA

**hospitalis**  
HOMOTRYPELLA  
*Monticulipora*  
*M. selwyni*  
*Prasopora*  
*P. selwyni*

**hoveyi**  
*Brachiospongia*

**howelli**  
BATHYURISCUS  
*Olenellus*

**hoysi**  
*Orthoceras*  
PLEUROTOMARIA

**hubbardi**  
UNIO

**hudsonicus (a, um)**  
CHONETES  
*Diplograpsus*  
DIPLOGRAPTUS  
LYCOPHYCUS  
PTEROSTICHUS  
*Stromatopora*

**humboldtensis**  
MYACITES  
TEREBRATULA

**humboldti**  
PRODUCTUS

**humeralis**  
HYDROPORUS

**humerosa**  
STROPHOMENA

**humilis (e)**  
CROCODILUS  
CUPULOCRINUS  
*Cyclonema*  
*Dendrocrinus*  
DIAPHOROSTOMA  
MEGAPHYTON

**humphreysianum**  
HEMIASTER  
STEPHANOCERAS

**humphriesianus**  
*Ammonites*

**hüpschi**  
STROMATOPORA

**huronensis (e)**  
*Apicystites*  
BROCKOCYSTIS  
*Calapocia*  
CERAMOPORA  
CERIOFORA  
CYCLOCYSTOIDES  
*Cypricardites*  
*Cyrtoceras*  
CYRTODONTA  
*Cystiphyllum*  
ERIDOPHYLLUM  
FISTULIPORA  
*Labechia*  
*Leiorhynchus*  
*Lingula*  
ONCOCERAS  
ORTHO CERAS  
PLEUROTOMARIA  
PROTOSALVINIA  
RHYNCHONELLA  
(LEIORHYNCHUS)  
*Spirifer*  
SPORANGITES  
*Stenopora*  
STROMATOCERIUM  
STROMATOPORA  
STROPHOMENA  
*Tetradium*  
TREMATIS  
*Syringolites*  
*Syringopora*

**huronica**  
*Houghtonia*

LIST OF SPECIFIC NAMES

**huttoni**

BASILICUS  
*Cyclopteris*  
GINKGO  
MEGALOPSIS

**huxleyi**

*Ateleocystites*  
ORTHIS  
STENASTER

**hyale**

*Murchisonia*  
PLETHOSPIRA  
*Pleurotomaria*  
WHITFIELDDELLA

**hyalina**

LEPRALIA

**hybrida**

*Orthis*  
RHIPIDOMELLA

**hydraulicus (a, um)**

CYATHOPHYLLUM  
SCHUCHERTELLA  
*Streptorhynchus*

**hylaicus**

LICHAS

**hymenophylloides**

SPHENOPTERIS

**hyphantes**

EURYZONE

**hyrie**

*Metoptoma*  
TRYBLIDIUM

**hystrix**

ATRYPA  
TRICHOSPONGIA

**icarus**

CERAURINUS  
*Ceraurus*  
*Cheirus*

**icosadactylus**

BATOCHRINUS

**idmon**

ORTHO CERAS

**flex**

QUERCUS

**illaenoides**

*Asaphus*  
SYMPHYSURUS

**illaenus**

GOMPHOCERAS

**illicifolius**

PHYLLOGRAPTUS

**iltasyoucoensis**

GRAMMATODON

**imbecillis**

STROPHOMENA

**imbrex**

*Leptaena*  
RAFINESQUINA  
STROPHEODONTA  
*Strophomena*

**imbricarius**

COMPSEMYS

**imbricata (um)**

*Atrypa*  
ATRYPINA  
*Buccinum*  
CLADOPORA  
HELOPORA  
*Leptocoelia*  
*Trematospira*

**imitator**

CALLONEMA

**immaturus (a, um)**

CONOCARDIUM  
CORNULITES  
*Pleurotomaria*  
RAPISTOMA

**immersus**

POLYGNATHUS

**imperator**

BUMASTUS  
EURYSTOMITES  
HEBERTELLA  
*Iliaenus*  
*Lituities*

**implicata**

PHOLIDOPS

**impressus (a)**

*Atrypa*  
A. RETICULARIS  
BELEMNITES  
*Orthis*  
*Schizophoria*

**impunctus**

LIMONIUS

**inaequalis**

*Calocrocinus*  
*Castocrinus*  
CREMACRINUS  
*Heterocrinus*  
*Orthis*  
PTILODICTYA

**inaequicostatus**

*Spirifer*

**inaequipinnata**

*Thyrsopteris*

**inaequiradiata**

STROPHEODONTA  
*Strophomena*

**inaequistriata**

STROPHEODONTA  
*Strophomena*

**inaequivalvis (e)**

*Rhynchonella*  
RHYNCHOTREMA

**inanimatus (a)**

ANTHOMYIA  
HYDROPORUS

**incepta**

CHASMATOPORA  
*Fenestella*  
*Phylloporina*  
*Retepora*  
*Subretepora*

**incertus (a, um)**

ALANTHOPHYLLUM  
*Columnaria (Fletcheria)*  
FLETCHERIA  
ILLAENUS  
MONOTRYPA  
ORTHONOTA  
PHYLLOTEUTHIS

**incipiena**

PALAEOPHYCUS  
PHACOPS  
PHAENOPORA

**incisurata**

CYSTODICTYA

**incisus (a)**

DIPLOGRAPTUS FOLIACEUS  
PRIMITIA MUNDULA

**incohans**

ACROTHELE

**incondita**

ZAPHRENTIS

**inconferta**

STYLASTRAEA

**incongrua**

ARCA

**inconspicua**

MACOMA

**inconstans**

VANUXEMIA

**incrassatus (a)**

CYSTODICTYA  
DEINODON  
*Dryptosaurus*  
FISTULIPORA  
*Laelaps*  
LAELAPS  
*Leptaena*  
RAFINESQUINA  
STICTOPORA  
*Strophomena*

**increbescens**

*Atrypa*  
*Hemithiris*  
RHYNCHOTREMA  
R. CAPAX

**incurvata**

*Orthis*  
*Producta*  
STROPHOMENA

**incurvirostra**

STROPHOMENA

**indagator**

ORTHO CERAS

**indentus (a)**

CYPRICARDINIA  
DIDYMOGRAPTUS  
*Graptolithus*  
STROPHOMENA

**indeterminatus**

BUMASTUS

**indian (a)ensis**

ATHYRIS VITTATA  
CAMAROTOECHIA  
NUCLEOSPIRA  
*Rhynchonella*  
STROMATOPORA

**indicum (a)**

ACANTHOCERAS LATICLA VIUM  
*Anisoceras*  
HUSTEDIA

**indra**

*Ammonites*  
*Lytoceras (Pseudophyllites)*  
PSEUDOPHYLLITES

**inlegans**

GIGANTOCERAS

**inermis**

*Delthyris*

**inexpectans**

SIDNEYIA

**infelix**

ACTINOCERAS  
*Orthoceras*

**inferna**

SEQUOIA

**infernalis**

COELAMBUS

GEOLOGICAL SURVEY

**inflatus (a)**

*Ammonites*  
CINULIA  
DOSINIA  
FUSISPIRA  
MACOMA  
MYTLARCA  
PENTREMITES  
PLEUROTOMARIA  
PRODUCTUS  
SCHLOENBACHIA  
STROPHOSTYLUS  
*Subulites*

**inflecta (um)**

ACTINOSTROMA  
HETEROTRYPA

**informis**

PALAEOPHYCUS

**infoliatum**

HELIOPHYLLUM

**infracarinata**

*Natica*

**infranodosa**

PLEUROTOMARIA

**infrequens**

HORMOTOMA  
*Murchisonia*

**infundibulus (a, um)**

CYSTOSTYLUS  
*Syringopora*

**ingalli**

BATHYURUS

**ingens**

*Alethopteris*  
*Carcinosoma*  
CYCLOPTERIS (NEUROPTERIS)  
ESCASONIA  
*Lepidodendron*  
*Pecopteris*

**inhibitum**

LATHROBIUM

**innocens**

*Sphenophyllum*

**inops**

EUOMPHALUS  
STRAPAROLLUS

**inordinatus**

HELIOLITES  
*Porites*

**inornatus (a, um)**

*Arca*  
A. GRAMMATODON  
*Astylospongia*  
*Baculites*  
CALAMITES (PSEUDOBOBORNIA)  
EUOMPHALUS  
GRAMMATODON  
MODIOMORPHA  
MONTICULIPORA  
NATICOPSIS  
ODOSTOMIA  
OSTREA  
*Pseudobornia*  
PSILOCONCHA  
*Trochonema*

**insculpta**

*Glyptorthis*  
*Goniobasis*  
HEBERTELLA (GLYPTORTHIS)  
MELANIA  
*Orthis*

**insecuris**

OSTREA

**insignis (e)**

ALNITES  
*Apsidoceras*  
*Ceraurus*  
CHEIRURUS  
*Isophilina amiana*  
LEPTOBOLUS  
LITOCERAS  
MICHELINIA  
PLASTOMENUS  
RHABDOCARPUS  
*Thyrsopteris*  
TROCHOCERAS

**insolens**

LITOCERAS  
*Nautilus*

**instabilis**

ARCHINACBELLA  
*Metoptoma*

**insueta**

PTERINEA

**insulac**

BELLEROPHON  
LETOBOLUS  
*L. atavus*

**insularis (e)**

*Amphion*  
*Bronzeus*  
*Cypricardites*  
CYTODONTA  
GOLDIUS  
ISCHADITES  
*Lingula*  
*Orthis*  
PLIOMEROPS  
*Receptaculites*

**integra**

*Salix*

**integrifolium**

*Liquidambar*

**intercalaris (e)**

*Ammonites placenta*  
PLACENTICERAS PLACENTA

**intercella**

PALESCHARA

**interglacialis (e)**

LATHROBIUM  
PLATYNUS

**interitus**

PLATYNUS

**intermedius (a, um)**

ACROTHELE  
*Ambonychia*  
*Athyris*  
*Atrypa*  
BYSSONYCHIA  
CASTANEA  
CERATOPORA  
*Cyclocrinites*  
*Cyclocrinus*  
*Dalmanites*  
*Isophilina ottawa*  
LEPTOPHYLLUM  
*Lyrodon*  
*Merista*  
MESOHIPPUS  
MESOSTOMA  
NIDULITES  
ONCOCERAS MAGNUM  
ORTONIA  
*Pasceolus*  
PTERINOPECTEN  
PTERYGOMETOPUS  
*Stropheodonta*

**intermedius (a, um)—Continued**

SYRINGOPORA  
TRIGONIA  
TRIGONOCARPUM  
WHITFIELDDELLA

**intermittens**

*Michelinia*

**internascens**

*Anastrophia*

**interplicata**

RHYNCHONELLA

**interrupta (um)**

THUYA

**interstinctus**

HELIOLITES  
*Madrepora*

**interstitialis**

*Leptaena*  
STROPHODONTA  
*Strophomena*

**interstriata**

*Orthis*  
SCHUCHERTELLA

**intertexta**

CLATHROFORA

**intortus**

ECCYLIOMPHALUS

**inundatus**

HYDROPORUS

**inutilis**

DIPLOGRAPTUS  
DISCINA  
SPIRIFER

**invenusta**

LEPTAENA  
ZAPHRENTIS

**involuta**

MARGINIFERA

**iole**

*Lingula*  
LINGULELLA

**iowaensis**

*Chonetes*  
*Crepicephalus*  
ISCHADITES  
LINGULA (PSEUDOLINGULA)  
*Lingulella*  
LONGHOCEPHALUS  
*Orthis*  
PHOLIDOSTROPHIA  
*Ptychoparia*  
*Receptaculites*  
SCHIZOPHORIA  
*Selenoides*

**ioxus**

BUMASTUS  
*Illaeus*

**iphigenia**

CTENODONTA  
DINORTHIS (PLAESIOMYS)  
*Orthis*  
*Plaesiomys*  
*Tellinomys*

**iphis**

CRYPTONELLA

**irene**

*Lingula*  
LINGULELLA  
STROPHODONTA  
*Strophomena*

LIST OF SPECIFIC NAMES

- iris**  
LEIORHYNCHUS  
*Lingula*  
LINGULELLA
- irrasa (um)**  
*Batostoma*  
HEMIPHRA GMA
- irregularis (e)**  
ASTROCOENIA  
ATIKONIA  
CANADIA  
*Ceramopora*  
*Dictyograptus*  
*Dictyonema*  
DICTYONEMA  
DIPHYPHYLLUM  
ELAPHRUS  
EACTOCRINUS  
*Helopora*  
LITHOSTROTION  
*Orthoceras*  
PALAEOPHYCUS  
*Tentaculites*  
TRACHYFORA  
TREMATOPORA
- isericus**  
PALAEOCRYSTES
- islandicus (a, um)**  
CARDIUM  
*Cypricardites*  
CYRTODONTA  
DOMBEYOPSIS  
PECTEN
- isodorus**  
*Cyrtoceras*  
CYRTORIZOCERAS
- isotelea**  
*Brongniartia*
- ithacensis**  
ARTHROACANTHA  
*Strophomena*  
TAXOCRINUS
- itys**  
EURYZONE
- ixion**  
GONIATITES
- jacksoni**  
ARCHAEOPTERIS  
CRATOPORA  
CYCLOPTERIS (ARCHAEOPTERIS)  
EUELEPHAS  
PALAEOISCUS
- jakovlevi**  
PRODUCTUS
- jamesi**  
BATOSTOMA  
*Chaetetes*  
*Cyclopora*  
LEPIDOCOLEUS  
*Monticulipora*  
*Plumulites*
- janca**  
RHYNCHONELLA  
*Rhynchotrema*
- janus**  
STREPTOCERAS
- jason**  
LEPTOBOLUS  
*Leptodesma*  
*Nautilus*  
PLECTOCERAS
- jeannotti**  
OLCOSTEPHANUS
- jerseyensis**  
*Ptychopyge*
- jessica**  
LOPHOSPIRA  
*Murchisomia*
- jewetti**  
CUPULOCRINUS  
*Dendrocrinus*
- johnseni**  
LARIX
- johnstoni**  
BATHYURUS
- johnstrupi**  
SPHENOPTERIS
- jonesi**  
CYRTOCERAS  
RECEPTACULITES
- jordanianus**  
HEMITRYPA
- josepha**  
AGNOSTUS
- josephiana**  
*Leperditia*  
*L. canadensis*  
*L. fabulites*
- judicarium**  
TRACHY CERAS
- judithae**  
CARPITES
- judiuglaformis**  
HICORIA  
*Phyllites*
- juglandium**  
ZANTHOXYLUM
- jugosa**  
*Dalmanella*
- jukesii**  
AMMONITES  
AMPHILICHAS  
EOPHYTON  
*Lichas*  
*Lytoceras*
- julius (a)**  
*Amphion*  
*Athyris*  
LEPTAENA  
MERISTELLA  
PLIOMEROPS  
*Strophomena*  
WHITFIELD ELLA
- junceum**  
ORTHOCERAS
- junceiformis**  
CANNAFORA  
SYRINGOPORA
- junia**  
*Athyris*  
*Hyattidina*  
H. CONGESTA
- juniperinus**  
COENTES
- junius**  
PROETUS
- juresanensis**  
PRODUCTUS
- jurinianus**  
*Ammonites*
- juvenalis**  
CYRTOCERAS
- juvene**  
HELOPHYLLUM
- kagawongensis**  
*Cyrtoceras*  
CYRTORIZOCERAS  
RHYTMYA
- kamloopsiana**  
SALIX
- kandi**  
AMMONITES
- kassubae**  
*Orthis*
- kaulfussi**  
LYGODIUM
- kearneyi**  
PALAEOTROCHUS
- keelei**  
ACTINODICTYON
- keewatensis**  
PHAENOPORA
- keewatinense**  
ACTINOCERAS
- kelloggi**  
EURYSTOMITES
- kennicotti**  
MERCENARIA  
*Orthis*
- kentuckiensis**  
*Calocrocinus*  
*Castocrinus*  
CUPULOCRINUS JEWETTI  
ZYGOSPIRA  
*Z. modesta*
- keokuk**  
MYALINA  
SPIRIFER
- kernahani**  
PUGNAX
- kingi**  
FUSUS
- kingstonensis**  
*Lingula*
- kirbyi**  
*Cyrtoceras*  
OOCERAS
- kirghisensis**  
BELEMNITES
- klipstini**  
*Glossozamites*
- kloedeni**  
BEYRICHA
- klotzi**  
OGYGIA
- knappi**  
PTYCHOPHYLLUM
- knighti**  
*Conchidium*  
*Pentamerus*
- knightiana**  
LASTREA (GONIOPTERIS)
- knorri**  
SIGILLARIA
- knoxvillense**  
PHYLLOCERAS
- koenigi**  
*Ischadites*
- kolmodini**  
*Trochus*
- konineki**  
ACTINOCRINUS
- konineckianus**  
PRODUCTUS

- koomooksense**  
*Dentalium*
- kotelnynensis**  
 LEPERDITIA
- kroyeri**  
 TRITONOFUSUS
- kurrianus (a, um)**  
 CLERICHENIA  
*Sphenolepidium*  
 SPHENOLEPIS  
*Thuites*
- kwaguntensis**  
 TONTOLA
- labechel**  
 ALVEOLITES
- labellosa**  
*Ischilina*  
 LEPERDITELLA
- labiatus (um)**  
 INOCERAMUS  
 MACLUREA  
*Mytiloides*  
*Ostracites*  
*Raphistoma*  
 SEMICOSINIUM
- labiosus (a)**  
*Alveolites*  
 CLADOPORA
- labradoricus**  
 OBOLUS
- labrosus (a)**  
 COENITES  
 LEPERDITIA  
 L. CANADENSIS  
 PLEUROTOMARIA
- labyrinthica**  
*Catenipora*  
*Ptilodictya*  
 STICTOPORA (PTILODICTYA)
- lachlani**  
 BOTHROMICROMUS
- lachryma**  
 ATRYPA
- laciniata**  
 CALLISTA  
*Cytherea (Callista)*
- lactea**  
 ASTARTE (TRIDONTA)  
 POLYMORPHINA
- lacunosus (a)**  
 ANASTROPHIA  
 ARCHAEOCRINUS  
*Atrypa*  
*Glyptocrinus*
- lacus**  
 DOLATOCRINUS
- lacustris**  
 PARONYCHODON
- laevi**  
 DIPTYHOCERAS
- laevicostus**  
 PRODUCTUS
- laevadorsatus**  
 CLYDONITES
- laeviformis**  
 DEINODON
- laevigata**  
 NODOSARIA  
 PLEUROMYA  
 P. SUBCOMPRESSA  
 SIGILLARIA
- laeviramus**  
*Chaetetes*
- laevis**  
 ANTHRACOMYA  
 ATHYRIS  
*Atrypa*  
 BRADORONA OBSERVATOR  
*Cleioocrinus*  
 ICHTHYOCRINUS  
*Lecanocrinus*  
*Merista*  
*Meristella*  
 MERISTELLA  
 NATICOPSIS  
 NEWBERRIA (RENSELLAERIA)  
*Pentamerus*  
 PROTAXOCRINUS  
 RENSELLAERIA  
 RETICULARIA  
*Taxocrinus*  
 WHITFIELDELLA
- laeviusculus (a)**  
 AMPYX  
 GYPIDULA  
 LOXONEMA
- lakesii**  
 PINNA  
 VIBURNUM
- lallierianum**  
 CERITHIUM
- lamareki**  
*Orthoceras*  
 PROTOCYCLOCERAS
- lamb(e)i**  
*Gonioceras*  
 PENTHETRIA  
 PLASMOPORA  
 TRIPTEROCERAS  
 XYLONOMUS
- lambtonensis**  
 ORTHOCERAS
- lamellatus (a, um)**  
 LINGUIA  
 PARADOXIDES  
 STREPTELASMA
- lamellosus (a, um)**  
 CARABOCCINUS  
 CYPRICARDINIA  
*Cyrtoceras*  
*Discina*  
 DOLATOCRINUS  
 MEGAMBONIA  
*Orbicula*  
 ORBICULOIDEA  
 ORTHIS  
 ORTHOCERAS  
 SPIRIFER
- laminatus**  
 COENITES  
 NICHOLSONELLA
- lanceolatus (a, um)**  
*Pleidia*  
 LEPIDOPHYLLUM  
 MYTILUS  
 PODOZAMITES  
*Ptilodictya*  
 VIBURNUM
- lancifer**  
 RHIZODUS
- lancifolia**  
*Diospyros*
- langedorfi**  
 SEQUOIA  
*Taxites*
- lanii**  
 PTERINEA
- laperousianus**  
 AMMONITES  
 HOLCODISCUS
- laphami**  
*Orthoceras*
- lapidica**  
 PLEUROTOMARIA  
*Raphistoma*  
 RAPHISTOMINA
- laponica**  
 LINA
- lapsus**  
 ANTHONOMUS
- laqueata (um)**  
 CLADOPORA  
 KIONOCERAS  
*Orthoceras*
- lara**  
*Athyris ?*  
 WHITFIELDELLA
- laramianus (a, um)**  
 PHRAGMITES  
 SALIX  
 TAXODIUM
- lard yana**  
 PINUS
- laricinus (a)**  
 LARIX  
 LEPIDOPHLOIOS
- larunda**  
*Melania*
- larvata**  
*Helicotoma*  
 LIOSPIRA
- lateralis**  
*Aublysodon*  
 DENODON  
 TRIPLECTA
- latibrachiatus**  
 CUPULOCRINUS  
*Dendrocrinus (Cupulocrinus)*
- latilavivus**  
 AMMONITES
- laticolle**  
 SCAPHERPETON
- laticosta**  
*Leptaena*
- laticostata**  
*Atrypa*  
*Chonetes*
- laticrescens**  
 Ptilodictya
- laticurvatum**  
 CYRTOCERAS
- latidorsatus (um)**  
 DESMOCERAS  
 ILLAENUS
- latifolia**  
 ANNULARIA  
*Asterophyllites*  
*Cladophlebis*  
 SPHENOPTERIS
- latifrons**  
 DIKLOCEPHALUS
- latiloba**  
 ONYCHIOPSIS  
*Sphenopteris*



LIST OF SPECIFIC NAMES

**latimarginata**

*Asaphus*  
ISOCHILINA GRANDIS

**laticor**

DIPLOGRAPTUS  
POPULUS  
P. ARCTICA  
P. RICHARDSONI  
SPHENOPTERIS

**latispinosus**

CTENOCANTHUS

**latissimus (a)**

*Ogygia*  
*Typha*

**latitruncata**

POLYORA

**latica**

PRIMITIA

**latus (a, um)**

ACROTHELE MATTHEWI  
ACROPRETA PAPILLATA  
BEYRICHLA  
BOLLA  
CALLISTEMOPHYLLUM  
CARDIOCARPON  
CHONETES  
CYRTODONTA  
*Euomphalus*  
ISOTELUS  
*Merista*  
MERISTELLA  
MONOMORELLA OVATA  
NAVICULA  
PALAEOCINCUS  
PROTCHNITES  
RAFINESQUINA  
STRAPAROLLUS  
*Strophomena*  
TOROSAURUS

**latuscula (um)**

*Petraia*  
STREPTELASMA

**laura**

LEIORHYNCHUS  
*Rhynchonella*

**laurenticus**

BELLEROPHON

**laurentina**

ASTARTE  
*Billingsella*  
ORTHIS  
*Pleurotomaria*  
*Raphistoma*  
RAPHISTOMINA

**laurifolia**

JUGLANS  
QUERCUS

**laurophylla**

FICUS

**lauta**

DENTICULA

**lavinia**

HOLOPEA

**lawsoni**

ATIKONIA

**laxatus (a)**

*Amplexus*  
*Bythotrypa*  
FAVOSITELLA  
*Fistulipora*

**laxus (a, um)**

ACANTHONEMA  
ANNULARIA  
*Asterophyllites*

**laxus (a, um)—Continued**

BUTHOGRAPTUS  
CLATHRODICTYON  
*Diplograptus*  
EUOMPHALUS (PHANEROTINUS)  
PHANEROTINUS  
PROBOSCINA  
*Straparollus*

**leai**

*Paludina*  
VIVIPARUS

**leavitti**

*Ginkgophyton*  
SPHENOPTERIS

**leconteana (um)**

JUGLANS  
PROTOPYLLUM

**leda**

*Brachyprion*  
GRANATOCRINUS  
*Rafinesquina*  
STROPHODONTA (BRACHYPRION)  
STROPHOMENA

**ledensis**

FORNAX

**leci**

PINUS

**leidyi**

LEAIA  
SPIRIFER

**leiosoma**

HOLOPEA

**lenior**

CYMATONOTA

**lens**

CYPRIMERIA  
*Lingula*  
LINGULELLA  
*L. laevis*  
*Meretrix*  
*Obolus (Lingulella)*  
PENTAMERUS  
*Stricklandinia*

**lenta**

*Asterophyllites*  
MERISTELLA

**lenticularis (e)**

AMUSTUM  
*Anomites*  
*Camarella*  
DALMANELLA  
EOORTHIS (ORUSIA)  
*Orthis*  
PARASTROPHIA  
PECTEN  
PLEUROTOMARIA  
POPANOCERAS MCCONNELLI  
*Raphistoma*  
SPIRIFER

**lentiformis**

*Atrypa*  
MERISTELLA  
*Orthis*  
*Schizophoria*

**leonensis**

CYTHEREA

**leperditoides**

PRIMITIA  
P. LOGANI

**lepidus (a)**

CHONETES  
GINKGO  
*Retzia*  
*Rhynchospira*

**lepidus (a)—Continued**

*Salisburya*  
*Stropheodonta*  
*Strophomena*  
TRIGERIA

**lepis**

*Lingula*  
LINGULELLA

**lesquereuxi**

*Lepidodendron*  
SALIX  
SPHENOPTERIS

**lesneuri**

CYCLOCERAS  
*Orthoceras*

**leucas**

DELPHINAPTERUS

**leuchtenbergi**

SPHAERONITES

**leucopotamicus**

PLATYPETIS  
*Trionyx*

**leucothea**

*Cypricardites*  
CYRTODONTA

**levata (um)**

*Leda*  
CTENODONTA  
*Nacula*  
OPHILETA  
*Schizostoma*  
*Straparollus*  
*Tellinomya*

**levis**

EUCALYPTOCRINUS CAELATUS  
*Olenoides*  
ZACANTHOIDES

**levisensis**

ACROTHELE

**liabatus**

*Straparollus*

**liardensis (e)**

DESMOCERAS  
NAUTILUS  
*Perezianum*  
PLACENTOCERAS (PEREZIANUM)  
TEREBRATULA

**libratus**

GORGOSAURUS

**lichas**

CALLONEMA

**lichenoides**

CLADOPORA  
RHIZOMORPHIA

**liebigi**

LYTOCERAS

**ligarius**

CYRTOCERAS

**ligatus (a)**

BRADORONA OBSERVATOR  
*Fasciolaria*  
PTYCHATRACTUS

**liga**

LINGULA

**ligeriensis**

ARCA

**ligita**

ANNULARIA

**liliana**

*Crepicephalus*  
LONCHOCEPHALUS

GEOLOGICAL SURVEY

**lilliformis**

DIMEROCRINUS  
*Rhodocrinus (Thysanocrinus)*  
*Thysanocrinus*

**lima**

KINGENA  
PRODUCTELLA LACHRYMOSA

**limata**

*Pleurotomaria*

**limbatus**

DIKELOCEPHALUS

**limitaris (e)**

*Atrypa*  
ESCHAROPORA  
FAVOSITES  
LEIORHYNCHUS  
*Orthis*  
*Rhynchonella*

**limitis**

*Olenus (Parabolinella)*  
PARABOLINELLA

**limneaformis**

*Bulimus*  
SYMPHOROCARPOPHYLLUM  
THEUMASTUS

**limosum**

*Equisetum*

**limpidum**

VIBURNUM

**limulurus**

*Asaphus*  
*Dalmania*  
DALMANITES

**lincklaeni**

EUNELLA  
STROPHODONTA  
*Terebratula*

**lindaueri**

AMPHION

**lindstroemi**

AUTODETUS  
BYTHOCYPRIS  
TRIMERELLA

**linearifolia**

*Salix proteaeefolia*

**linearis**

ANOMIA  
*Arenicolites*  
*Cladograptus*  
COELOCAULUS  
*Coenograptus (Pleurograptus)*  
*Dendrograptus*  
*Fucoides*  
*Murchisonia*  
PLEUROGRAPTUS  
PTILOPHYTON (TROCHOPHYLLUM)  
*Scolecolithus*  
SCOLITHUS  
*Trochophyllum*

**lineatus (a)**

ANOMIA  
ARCA  
CHONETES  
*Crateripora*  
DIAPHOROSTOMA  
FILICITES  
*Helopora*  
NEMATOPORA  
ORTHOPORA  
PROTICHNITES  
RETICULARIA  
SQUAMULARIA  
*Strophomena*

**lineolatus (a, um)**

ADOCUS  
*Orthoceras*  
PHILINE  
PHRAGMOCERAS

**lineopora**

HELOPORA  
*Nematopora*

**linguaeformis**

*Avicula*

**lingualis**

GLOSSITES  
PLANERA

**linguifera**

CLORINDA

**linguiformis**

PTERIA

**linguloides**

LEPTOBOLUS

**linnaeana**

GLOBIGERINA  
STRIATOPORA

**linnaearum**

EOPHYTON

**linnaeiforme**

SYMPHOROCARPOPHYLLUM

**lippa**

INDIANA

**liratus (a)**

DOLATOCRINUS  
GRAMMYSIA  
NEPHRITICERAS  
NUCULA  
PARACYCLAS  
PENTAMERUS  
*Spirifer*  
STRICKLANDINIA

**litoreus (a)**

BATHYURELLUS  
PLEUROTOMARIA

**litioni**

*Chonetes*

**lituiformis**

*Calaurops*  
ECCYLLOMPHALUS (ORTHOSTOMA)

**livia**

*Orthis*  
RHIPIDOMELLA

**lobatus (a)**

*Forbesiocrinus*  
PTERINEA  
TAXOCRINUS

**lobuliferous**

MONOGRAPTUS

**lockwoodi**

CAULOPTERIS

**lodiensis**

ORBICULOIDEA

**logani**

ACASTE  
*Ammonites*  
*Beyrichia*  
CHONETES  
*Coelocaulus*  
*Craniella*  
CTENODONTA  
*Graptolithus*  
GYROCERAS  
*Isoarca*  
LOGANELLUS  
LOGANOGRAPTUS  
MACLURITES  
*Murchisonia*

**logani**—Continued

*Olcostephanus*  
*Olenus*  
*Petraia*  
*Petrocrania*  
PHACOPS  
PRIMITIA  
*Ptychoparia*  
TETHEA

**loganianus**

OLCOSTEPHANUS

**lomanelli**

DAONELLA

**lommelli**

HALOBIA

**lonchitica**

ALETHOPTERIS  
FILICITES

**longaeus (a)**

APHAENOGASTER  
PLATYNUS

**longiceps**

TRACHODON

**longidactylus**

DENDROCRINUS  
EOCYSTITES

**longifolius (a, um)**

ABIETTITES  
ANNULARIA  
*Asterophyllites*  
CYCADITES  
FAGOPSIS  
LEPIDOSTROBUS  
*Leptostrobis*  
*Nagelopsis*  
*Pecopteris*  
*Planera*  
PODOZAMITES  
*Sequoia reichenbachi*  
SPHENOPHYLLUM  
*Zelkova*

**longinervis**

LINGULEPIS

**longirostris**

CAMARELLA  
DIPHYODUS

**longispinus (a)**

BATHYURUS  
*Climacograptus bicornis*

**longispira**

COELOCAULUS  
*Murchisonia*

**longissimum**

ORTHO CERAS

**longiuscula**

RIBERIA

**longovalis**

LINGULELLA

**longulum**

BEMBIDIUM

**longus**

LEPIDOSTEUS  
OBOLUS LENS

**lopatini**

PINUS

**loricatus**

*Caryocrinites*

**loricula**

*Orthis*  
*Plaesiomys*

**lorrainensis**

CTENODONTA

LIST OF SPECIFIC NAMES

**lorwayana**

SIGILLARIA

**loshii**

NEUROPTERIS

**louckiana**

*Leperditia*

L. CANADENSIS

L. *fabulites*

**louisvillae**

*Polyphemopsis*

SUBULITES

**lowi**

CLORINDA

EUGYRICHNITES

RHYNCHOSPIRA

**lucasensis**

SPIRIFER

**lucia**

*Orthis*

RHIPIDOMELLA

**lucina**

EURYZONE

NUCLEOCRINUS

**lucretia**

LINGULA

**ludwigi**

EIDONIA

**lumpus**

CYCLOPTERIS

**lunatifera**

*Strepala*

TETRADELLA

**lunatus**

*Bronteus*

CARPOLITHES

COENITES

GOLDIUS

**luteolus**

UNIO

**lutosa**

LORICERA

**lycoperdon**

CHAETETES

*Favosites*

*Prasopora*

**lycopodioides**

LEPIDODENDRON

**lycopodites**

FAVOSITES

**lycorias**

PENTREMITES

**lydia**

PLEUROTOMARIA

**lyelli**

ARCHIULUS

EQUISETUM

LINGULA

ORTHO CERAS

SYRINGOPORA

**lynx**

*Delthyris*

*Orthis*

ORTHIS

*Orthis (Platystrophia) biforata*

PLATYSTROPHIA

*P. biforata*

*Spirifer biforata*

*Terebratula*

**lyoni**

*Actinoceras*

*Brachiospongia*

*Megambonia*

*Ormoceras*

**lyonsi**

*Moeritherium*

MORITHERIUM

**lyra**

SPIRIFER

**lysander**

CYRTO CERAS

CYRTO RIZOCERAS

**macer**

*Bellerophon*

OXYDISCUS

**macerata**

PTERINEA

**macfarlani**

*Orthis*

SCHIZOPHORIA

**machaeriformis**

CTENODONTA

*Nucula*

**maclurea**

*Chonetes*

**maclurii**

*Euomphalus*

GAUDRY CERAS

HEDERA

*Pinus*

SYRINGOPORA

TIPULA

**macouni**

LITHOSTROTIUM

**macquarrii**

*Alnites*

CORYLUS

**macritatis**

BELEMNITES

**macrobius**

PROETUS

**macrocarpoides**

CUPRESSINOXYLON

**macrocephalus**

AMMONITES

*Paradoxides*

PROETUS

**macrolineatus (a)**

*Euomphalus*

POLEUMITA

*Polytropis*

**macrophyllus (a, um)**

ALNUS

BETULA

OSMUNDA

OSMUNDITES

**macropleurus (a)**

*Delthyris*

SPIRIFER

**macrops**

NILEUS

**macroptera (um)**

ACER

LIMA

LIMOPTERA

**macrospirus (a, um)**

*Coelidium*

COELOCAULUS

*Murchisonia*

**macrospindyla**

AMIA

**macrostonus (um)**

CYRTO CERAS

DICTYOCEPHALUS

**macrostylus**

HELIOLITES

**macrothyris**

SPIRIFER

**macroura**

DALMANITES

**macrus**

SPIRIFER

**mactracformis**

CORBULA

CTENODONTA

*Tellinomya*

**maculata**

ATACTOPORA

ESCHAROPORA

*Ptilodictya*

**maculicollis**

PLATYNUS

**macullochii**

SALTERELLA

**maculosa**

SPATIOFORA

**madisonensis**

COMPOSITA

CTENODONTA

**magellanicus**

PECTEN (PLA COPECTEN)

**magna**

HEDERELLA

HELIOPHRENTIS ALTERNATA

PROTARAEA VETUSTA

**magnificus (a, um)**

*Apatokephalus*

ASPIDOCERAS

CHONOPHYLLUM

CLIOCRINUS

CLIMACOGRAPTUS TYPICALIS

*Dicelloghalus*

*Dikelocephalus*

DINOBOLUS

FENESTELLA

*Gyroceras (Lituites)*

HUNGARIA

*Lituites*

MAGNOLIA

MEGAPHYTUM

*Obolellina*

PTILODICTYA

*Remopleurides*

STROPHEODONTA

*Strophomena*

**magnifolia**

*Ginkgo huttoni*

LEPTOSTROPHIA

**magnipora**

PACHYDICTYA

**magnisulcatum**

KIONOCERAS

*Orthoceras*

**magniventer**

STROPHEODONTA

*Strophomena*

**magniventrum**

ORTHO CERAS

**magnopora**

*Callopora*

HALLOPORA

**magnus (a, um)**

BRADORONA PERSPICATOR

CHINOLIASAURUS

*Cladopora*

CYCLOCYSTOIDES

LOXONEMA

MACLURITES

ONCOCERAS

*Straparollus*

GEOLOGICAL SURVEY

|   |   |  |
|---|---|--|
| <b>maia</b><br><i>Athyris</i><br>HORMOTOMA<br>MARTINIA<br>MODIOLOPSIS<br>PENTREMITES<br><i>Spirifer</i>   | <b>marcellense</b><br>PROTOKIONOCERAS   | <b>matthewi</b><br>ACROTHELE<br><i>Conocephalites</i><br>CONOCORYPHE<br><i>Lingula</i><br>LYCOPODITES  |
| <b>mainensis</b><br>RHYNCHONELLA  | <b>marcoui</b><br>SPIRIFER<br>ZAPHRENTIS  | <b>matthewsoni</b><br>CYPRAEA (EPONA)<br>OPALIA<br>PERONAEODERMA<br>SCALARIA<br>TELLINA<br><i>Trematospira</i>   |
| <b>major</b><br>BRADORONA PERSPICATOR<br>MODIOLA<br><i>Murchisonia</i><br>ORTHOHECA<br>SELKIRKIA<br>SPHAEROCORYPHE  | <b>marcouisana</b><br>CYPRINA   | <b>matutinus (a)</b><br>ACHEILUS<br><i>Amphion</i><br>APARCHITES<br><i>Asterias</i><br>BOREODON<br><i>Coelaster</i><br>HUDSONASTER<br>MACLURITES<br><i>Palaeaster</i><br><i>Straparollus</i> |
| <b>majus</b><br>LEPIDOPHYLLUM   | <b>marcyi</b><br>EUMETRIA<br><i>Terebratula</i>   | <b>maudensis (e)</b><br>DESMOCERAS (PUZOZIA)<br>LITHODOMUS<br>NERINEA<br>PUZOZIA<br>RHYNCHONELLA<br><i>Sphenodiscus</i>  |
| <b>malmgreni</b><br>TILIA   | <b>margaritovi</b><br>CAMAROPHORIA  | <b>maximus (a)</b><br><i>Asaphus</i><br>BRADORONA PERSPICATOR<br>FAVOSITES<br>FICUS<br>ISOTELUS  |
| <b>mamillaris (e)</b><br>ACANTHOCERAS<br>ARACHNOPHYLLUM<br><i>Astrea</i><br>STROMBODES  | <b>marginalis (e)</b><br><i>Asaphus</i><br>ATRYPA<br>BASILICUS<br><i>Cyrtoceras</i><br>FENESTELLA   | <b>mayorianus</b><br><i>Ammonites</i>  |
| <b>mamillatus (a)</b><br><i>Stromatopora</i><br>STROMATOPORELLA<br><i>Strombodes</i>  | <b>marginatus (a, um)</b><br>ARCHAEOCRINUS<br>BATHYURELLUS<br><i>Beyrichia striato</i><br>CARDIOCARPON<br>CERAURINUS<br>ENTOSOLENTA<br><i>Glyptocrinus</i><br><i>Leperditia</i><br>LEPERDITIA<br>MARGARITANA<br>PINACOTRYPA<br>SPHENOPTERIS<br>STEPHANOSAURUS | <b>mecharlesi</b><br>TROCHOCHERAS  |
| <b>mammatus</b><br>PRODUCTUS  | <b>maria</b><br>HEBERTELLA<br><i>Orthis</i>   | <b>meconnelli</b><br>AMIRUS<br>AVICULA<br>CYATHOPHYLLUM<br>HEMIGYRASPIIS<br>HOPLITES<br>LINGULELLA<br>OXYTOMA<br>POPANOCERAS   |
| <b>mammifer</b><br>LEPTOMERYX   | <b>maritima (um)</b><br>CYSTIPHYLLUM<br>GALERUCELLA<br>TRILOCHIN  | <b>mccoysi</b><br>CYRTOCERAS   |
| <b>mammulatus (a)</b><br><i>Chaetetes</i><br>MONTICULIPORA<br><i>Stenopora</i>  | <b>marmorea</b><br>TONIELLA   | <b>mcintoshi</b><br>PSEUDOBAIERA   |
| <b>manitobensis (e)</b><br>BELEMNITELLA<br>CHONETES<br>CYRTOCERAS<br>EUOMPHALUS<br>EURYCHILINA<br>GLOSSITES<br>GOLDIUS<br>GOMPHOCERAS<br>LAMNA<br><i>Maclurea</i><br>MACLURINA<br>NATICOPSIS<br>NUCULA<br>OMPHALOCIRRUS<br><i>Orthis</i><br>OKYDISCUS<br>POLYPORA<br><i>Porcellia</i><br>SCHIZOPHORIA | <b>maro</b><br><i>Orthoceras</i><br>SPYROCERAS  | <b>mcIntocki</b><br><i>Ammonites</i><br>HARPOCERAS   |
| <b>manitoulini</b><br>VALLATOTHECA  | <b>martinalls</b><br><i>Lingulella</i><br><i>Lingulepis</i><br>OBOLUS   | <b>meafordensis</b><br>TAENIASTER  |
| <b>manliensis</b><br><i>Beyrichia</i><br>KLOEDENIA  | <b>martini</b><br>ACANCOTHERAS<br><i>Chonetes</i><br>DENTALIUM<br>PRODUCTUS   | <b>medea</b><br>RHYNCHONELLA   |
| <b>manliusensis</b><br><i>Kloedenia</i>   | <b>martinianum</b><br>ASPENIUM  | <b>media</b><br>DALMANELLA ELEGANTULA<br>OPABINIA<br>ORBICULOIDEA LODIENSIS<br><i>Orthis</i><br><i>Rhipidomella</i>  |
| <b>manni</b><br>SPIRIFER  | <b>maskusi</b><br>EUOMPHALUS  | <b>medialis</b><br><i>Athyra</i><br>EATONIA<br>LOPHOSPIRA<br><i>Murchisonia</i>  |
| <b>mansfieldi</b><br><i>Cordaites</i><br>RHADOCARPUS  | <b>materiarium</b><br>DADOXYLON   | <b>mediana</b><br>NILSONIA   |
| <b>mantelli</b><br><i>Cyclopterus</i><br>IGUANODON<br>LINGULA<br>SAGENOPTERIS   | <b>materioides</b><br>CORDAITES   |  |
|   | <b>matheri</b><br>STROPHOSTYLUS   |  |
|   | <b>matheroniana (um)</b><br>COMPTONIA<br>MYRICA (COMPTONIA)   |  |

LIST OF SPECIFIC NAMES

**medioeris**

*Cyclonema*  
GONIOPHORA  
HOLOPEA

**medon**

ACTINOCERAS  
ORTHO CERAS

**medullare**

*Kionoceras*  
*Orthoceras*  
PROTOKIONOCERAS

**meedsi**

DINORTHIS  
*Orthis*

**meekanus (a)**

BUCANOPSIS  
*Ceraurinus*  
*Ceraurus*  
*Eccoptochile*  
HUSTEDIA  
LEIOTHYRIS  
*Linearia (Leiothyris)*  
PECTEN (SYNCYCLONEMA)  
*Retzia*  
SYNCYCLONEMA  
TELLINA  
*Thyrsopteris*

**meeki**

ANISOMYON  
CYSTODICTYA  
DALMANELLA  
*D. testudinaria*  
ENDYMONIA  
PHELODICTYA  
VOLSELLA

**megalops**

CONOCEPHALINA  
*Dicelloccephalus*  
*Dikeloccephalus*

**megaphyllus (a)**

*Palaeozamia*  
ZAMITES

**megastoma**

HELIOLITES  
*Palaeopora*  
*Porites*

**megistos**

*Asaphus*  
*Isotelus*

**meigsii**

*Ceanothus*  
ZIZYPHUS

**melissa**

METOPTOMA  
STRICKLANDINIA

**melitensis**

ASPIDERETES  
*Trionyx*

**melonicus**

CHONETES

**membranaceus**

PRODUCTUS

**menardi**

SIGILLARIA (CLATHERARIA)

**mendica**

NASSA

**mendipensis**

PLANORBIS

**menelaus**

ORTHO CERAS

**mercurius**

*Cheirus*  
CYRTOCERAS  
CYRTOCERINA  
PSEUDOSPHEREXOCHUS

**meridionale**

SPYRO CERAS

**meristoides**

MARTINIA  
*Spirifer*

**merope**

*Orthis*  
SCENIDIUM

**merriami**

PRUNUS

**metallica**

CAMAROTOECHIA  
RHYNCHONELLA

**metellus**

*Cyrtoceras*  
MAELONOCERAS

**metula**

CLOSTOMICERAS  
CYCLOSTOMICERAS

**meusebachanus**

*Spirifer*

**meyeni**

CINGULA JAN

**meyeri**

MODIOLOPSIS

**mica**

*Rhynchonella*  
ZYGOSPIRA

**michiganensis**

MERISTOSPIRA

**micmac**

PARADOXIDES

**microbasilis**

ARCHAEOCRINUS  
*Rhodocrinus*  
*Thysanocrinus*

**microcamerus**

PENTAMERUS

**microcarpa**

RENAULITIA

**microdonta**

ARCA  
*Pecopteris*

**microgemma**

PROETUS

**microlepidotus**

GLYPTOLEPIS

**microloba**

SPHENOPTERIS  
*Thyrsopteris*

**micronema**

ANOMIA

**microphylla**

TRAPA

**microporus**

HALYSITES CATENULARIA  
*Heliolites*

**micropyge**

PROETUS

**microstoma**

DICTYOCEPHALUS

**micula**

HORMOTOMA  
LIOSPIRA  
*Pleuronomaria*  
*Raphistoma*  
SIPHONOTRETA

**milesi**

CLONOGRAPTUS  
*Dichograpsus*  
*Graptolithus*  
*Temnograptus*

**millepunctata**

*Terebratula*  
TREMATIS

**milleri**

BUMASTUS  
*Diplotrypa*  
*Illaenus*  
LYCOPODITES  
*Mesotrypa*  
*Murchisonia*

**miltoni**

PECOPTERIS

**minas**

*Zaphrentis*

**minganensis (c)**

AMPHILOCHAS  
*Archaeocyathus*  
ARCHAEOCYPHIA  
ASAPHUS  
BARRANDOCERAS  
*Bathyurus*  
*Ethmophyllum*  
*Lichas*  
ORTHO CERAS  
*Petraia*  
*Platymetopus*

**minima**

CORBULA  
MODIOLA

**minna**

ORTHIS

**minneapolis**

*Productella*

**minnesotensis (e)**

*Conchopeltis*  
DIKELOCEPHALUS  
EUOMPHALUS  
MENOCEPHALUS  
*Orthis*  
RAFINESQUINA  
RAPISTOMA  
*Rhynchonella*  
RHYNCHOTREMA  
*Straparollus (Euomphalus)*  
*Strophomena*

**minor**

CONOCEPHALITES  
ENOPLOCYTHIA  
LYCOPHYCUS  
ORTOIA  
POLYORA CELSIPORA  
SCALITES  
*Sticopora mutabilis*  
TAXUS  
*Trimerella*

**minutoensis**

LEPIDOSTROBUS

**minum**

TRIGONOCARPUM

**minuscula**

DIPLAX

**minutissimus (a)**

APARCHITES  
*Callopora*  
FISTULIPORA (CALLOPORA)  
LIOCLEMA  
STIGMARIA

- minutus (a)**  
ACROLOXUS  
*Ancyclus (Acroloxus)*  
*Chaetetes*  
*Conocephalites*  
CYCLORA  
EUGYRICHNITES  
LEDA  
*Lepidodendron*  
ORBICULOIDEA  
ORNITHOMIMUS  
PTYCHOPARIA  
RISSOA  
SOLENOFORA  
*S. compacta*  
TENTACULITES  
ULNUS  
*Velletia*
- miocena**  
PSEUDOTSUGA
- mirabilis (e)**  
*Amplexus*  
SEMICOSCINIUM  
SYRINGOXYLON  
ZAPHERENTIS
- mirandus**  
AUBLYSODON
- mirus**  
CYBELOIDES  
CYCLOCYSTOIDES  
*Encrinurus*  
*Sphaerexochus*
- miser (a)**  
*Bellerophon*  
*Conocephalites*  
HELICOTOMA  
MODIOLOPSIS  
OBOLELLA  
PLEUROTOMARIA  
PTYCHOPARIA
- missisquoi**  
CYRTOCERAS  
DIRELOCEPHALUS  
ECTOMARIA  
*Murchisonia*  
*Orthoceras*  
PLEUROTOMARIA
- missouriensis**  
ATRYPA  
POLYTHORAX
- misus**  
DIKELOCEPHALUS
- mites (e)**  
ACERATHERIUM  
*Aparchites*  
*Caenopus*
- mitrata**  
*Turbinolia*
- modestoides**  
*Prosserella*  
RETICULARIA
- modestus (a, um)**  
*Atrypa*  
LOPHOSPIRA  
*Murchisonia*  
*Reticularia*  
*Rhynchonella*  
SPIRIFER (DELTHYRIS)  
TELLINA  
ZYGOSPIRA
- modiolaris**  
*Cypricardia*  
*Cypricardites*  
MODIOLOPSIS  
*Pterinea*
- modiolus**  
MODIOLA
- modulus**  
CANOBIUS  
PALAEOINISCUS
- moftatensis**  
DICELOGRAPTUS
- mohawkensis**  
PLEUROTOMARIA
- mohri**  
BELLEROPHON
- mojsisovicsi**  
*Nautilus*
- molitor**  
TENERBRIS
- moniliformis**  
AMPLEXOPORA  
HETEROTRYPA  
STROMATOPORA
- monroicum**  
CONOCARDIUM
- montalbidus**  
SUBERITES
- montanus (a)**  
OVIS  
PALIURUS
- montan(a)ensis (e)**  
BRACHYCRATOPS  
*Cladophlebis falcata*  
*Equisetum*  
GERVILLIA  
*Thinnfeldia*
- montanus (a)**  
CERATOPS  
ZAMITES
- monte**  
CLATHRODICTYON
- monticulata**  
FISTULIPORA
- monticulifera**  
STROMATOPORA  
STROMATOPORELLA
- montrealensis (e)**  
CYCLOHEMA  
ENDOCERAS  
*Metoptoma*  
*Orthoceras*  
SCENELLA  
TREMATIS  
VANUXEMIA
- moorei**  
HOLASAPHUS
- moreauensis**  
BUCARDIA  
CORBULA  
*Glossus*  
*Natica*  
NEAERA
- moresbyensis**  
INOCERAMUS
- morgani**  
PRIMITIA
- morrisi**  
*Asaphus*  
SCOLITHUS
- morticina**  
PALLOPTERA
- mortoni**  
ELOTHERIUM  
INOCERAMUS
- mortuarius**  
POLYONAX
- moschatus**  
OVIBUS
- mosia**  
*Lingula*  
LINGULELLA
- mosquensis**  
AUCELLA
- mucronatus (a)**  
*Avicula*  
*Chonetes*  
CHONETES  
*Diplograpsus*  
*Diplograptus*  
*Graptolithus*  
HELOFORA  
LASIOGRAPTUS  
OXYTOMA  
*Pteria*  
RAFINESQUINA  
*Strophomena*
- mulleri**  
CYTHERIDEA  
PALAEOCORYSTES
- multicameratum**  
CYRTOCERAS  
ORTHO CERAS
- multicaulis (e)**  
DIPHYPHYLLUM  
SYNAPTOPHYLLUM  
*Syringopora*  
*Vennori*
- multicostatus (a)**  
ASAPHIS  
DICTYOMITRA  
*Lituites*  
*Spirifer striatus*  
*Trocholites*
- multiculeatum**  
LIOCLEMA
- multifasciatus**  
AMPHIGRAPTUS  
*Graptolithus*
- multigruma**  
*Lophospira*  
*Murchisonia*
- multilamellosum**  
*Streptelasma*
- multilineata**  
CAMPELOMA  
*Melantho*  
*Paludina*
- multilinigera**  
BRACHYDONTES
- multinerois**  
*Ginkgo*
- multinotatus**  
PROTICHNITES
- multiplex**  
POLYFORA
- multiporus (a)**  
*Callocystis*  
CLADOPORA  
*Favosites*  
GLYPTOCYSTITES  
PTILODICTYA
- multiradiata**  
*Columnaria*  
LIMA  
VINELLA
- multiramosus**  
*Bryograptus*
- multisepta**  
DALMANELLA

LIST OF SPECIFIC NAMES

**multisegmentatus**

*Amphion*  
*Cryptonymus*  
ENCRINURUS

**multistriata**

*Orthis*  
*Retzia*  
RHYNCHOSPIRA  
SCHIZOPHORIA  
TREMATOSPIRA

**multisulcatus**

PACHYDISCUS

**multitabulatum (a)**

CALLOPORA  
*Endoceras*  
ORTHO CERAS  
VAGINOCERAS

**multituberculata**

*Monticulipora*

**multivolvis**

HORMOTOMA  
*Murchisonia*

**munda**

SPHENOPTERIS

**mundulus (a)**

APARCHITES  
CYCLOCYSTOIDES  
LIOSPIRA  
PRIMITIA  
PROETUS

**munsteri**

AVICULA  
*Pteria (Ozytoma)*

**muralis**

PLEUROTOMARIA

**murchisoni**

DDYMOGRAPTUS  
*Graptolithus*  
*Heliolites*  
ISCHADITES  
MALOCYSTITES  
ONCHUS

**murchisoni (Cont.)**

SERPULITES  
SPIRIFER  
STROMBODES  
*Tetragonia*

**muricata**

*Alethopteris*  
HELICOTOMA  
*H. planulata*  
MARIOPTERIS

**murrayana**

LOPHOSPIRA  
LOXONEMA  
*Pecopteris*  
THYRSOPTERIS

**murrayi**

*Dictyonema*  
JOVELLANIA  
LINGULA  
OBOLUS  
*Orthoceras*

**musculosa**

*Orthis*  
RHIPIDOMBELLA

**muta**

PRIMITIA

**mutabilis**

CAMAROPHORIA  
*Gryphaea*  
POLYFORA  
RHINDICTYA  
*Rhynchonella*

**mutabilis—Continued**

*Stictopora*  
UNCINUTUS

**mutans**

STROPHOMENA

**mutata**

PUGNAX  
RHYNCHONELLA

**myalis**

YOLDIS

**mycale**

ORTHIS

**mylitta**

LOPHOSPIRA  
*Murchisonia*

**myopsis**

THRACIA

**myrice**

*Cyrtoceras*

**myrmecophorus**

CORONURA

**myrtia**

*Cyrtia*  
C. EXPORRECTA

**mysta**

LEIORHYNCHUS

**mytiliformis**

*Myalina*  
MYTILARCA

**mytiloides**

*Inoceramus*  
MEGAMBONIA  
*Melina*  
MODIOLOPSIS  
MODIOMORPHA  
PERNA

**mytilopsis**

*Inoceramus*

**nacrea**

*Stropheodonta*  
*Strophomena*

**nactus**

CONOCEPHALITES

**nais**

MODIOLOPSIS

**nanus (a)**

BEYRICHA  
*Callopora*  
CYCLOPTERIS  
DICELOMUS  
EUNICITES  
FAVOSITES BASALTICUS  
GINKGO  
LEPERDITIA  
*L. canadensis*  
*Obolella*  
PENTHETRIA  
PRIMITIA CANADENSIS  
*Salisburia*  
STIGMATELLA

**nanaimosensis (e)**

DENTALIUM  
POTAMIDES TENUIS  
TELLINA  
UNIO

**nasicornis**

CERATOSAURUS

**nasoni**

*Pleurotomaria*  
*Raphistoma*

**nasutus (a, um)**

*Atrypa*  
CONOCEPHALITES  
CTENODONTA  
CYRTODONTA  
LUCINA  
*Lyonsia*  
MACOMA  
MERISTELLA  
*Modiolopsis*  
ORTHOESMA  
ORTHONOTA  
RAFINESQUINA  
*R. alternata*  
*Strophomena*  
TELLINOMYA  
UNIO

**natans**

POTAMOGETON

**natafor**

BARRANDEOCERAS  
*Nautilus*  
ORTHO CERAS

**nathorstie**

PSYTOYA  
PTEROPHYLLUM

**nattressi**

IDIOSTROMA

**navarroensis**

FULGURARIA  
*Rostellites*  
*Volulithes*

**navia**

GRYPHAEA

**navicella**

ORISKANIA

**naviformis**

*Athyris*  
*Atrypa*  
AVICULA  
*Meristella*  
WHITFIELDELLA

**nebrascana (kana)**

*Ancula*  
DIOSPYROS  
OXYTOMA  
PTERIA (OXYTOMA)

**nebrascensis**

CHLAMYS  
CUCULLAEA  
GONIOBASIS  
GRYPHAEA  
*G. calceola*  
HYRACODON  
*Inoceramus*  
*I. sagensis*  
*Melania*  
NAUTILUS ELEGANS  
POPULUS  
STYLEMYS

**neckerianus**

NAUTILUS

**neenah**

DICTYONEMA

**nevesii**

PACHYDISCUS

**neglectus (a)**

*Ambonychia*  
AMPHICOELIA  
APARCHITES  
CAMAROTOECHIA  
(STEGERHYNCHUS)  
CLIDOPHORUS  
*Conocephalites*  
CUNEBAMTA

GEOLOGICAL SURVEY

**neglectus (a)**—Continued

*Grammysia*  
*Leptodomus*  
NUCULITES  
*Rhynchonella*  
*Sedgwickia (Grammysia)*  
STROPHOMENA

**negundifolium**

ACERITES

**neocomiensis**

PANOPAEA

**neptuni**

*Receptaculites*

**nera**

*Phylloceras*

**nereis**

HOLOPEA

**nerine**

OPHILETA

**neritoidca**

LACUNA

**nero**

*Bathyrurus*

PEFIGURUS

**nervosa**

*Alethopteris*

ONYCHIOPSIS

PECOPTERIS

*Populus*

*Thyrsopteris*

**nestor**

*Gomphoceras*

PHRAGMO CERAS

**nettelrothi**

CONCHIDIUM

**neuropteroides**

*Lygodium*

LYGODIUM

**nevadaensis**

OLENOIDES

*Paradoxides*

RHIPIDOMELLA

STRAPAROLLUS

**newberryanus (a)**

*Ammonites*

AMMONITES

*Desmoceras*

PACHYDISCUS

*Platanus*

**newberryi**

*Ascoceras*

*Bellerophon*

BILOBITES

CARDIOPARFON

CORNUS

DADOXYLON

*Fusus*

*Platanus*

PYRIFUSUS

**newcombi**

GERVILLIA

HOPLITES

MESOSTOMA

**newlini**

*Eurysoma*

EUSARCUS

**newtoni**

PLEUROMYA

**nexa**

POLYFORA

**nexills**

LIXONEMA

**niagarensis (e)**

*Acroculia*

*Alveolites*

*Bronteus*

CALYMENE

*C. blumenbachii*

CERAMOPORA

*Ceraurus*

CHEIRURUS

*Chonophyllum*

CORNULARIA

CYSTIPHYLLUM

*Delthyris*

DIAPHOROSTOMA

FAVOSITES

GOLDIUS

HELIOLITES

*Melania*

*Platyceras*

SPIRIFER (EOSPIRIFER)

*Stropheodonta*

*Strophomena*

*Strophostylus*

**nicholsoni**

ACROPRETA

*Dicranograptus*

DICRANOGRAPTUS

FENESTELLA

**nicklesi**

STIGMATELLA

**nicoletti**

*Ammonites*

CORIMYA

CYCLOCERAS

SCAPHITES

**nictauvensis**

SPIRIFER

**nigella**

JUGLANS

**nigra**

ACIDOTA GRENATA

CRENELLA

MODIOLARIA

**nigracollensis**

NILSONIA

**nikitini**

RHYNCHOPORA

SPIRIFER

**nilsoni**

*Graptolithus*

MONOGRAPTUS

**niobe**

*Metoptoma*

MORRISI

TRYBLIDIUM

**niobrara**

ASPLENIUM

**niota**

*Pleurotomaria*

TROCHONEMA

**nipponensis**

NILSONIA

**nitellus**

FAVOSITES

**nitens**

LEPTAENA

*Rafinesquina*

*Stropheodonta*

**nitidula**

*Dicranopora*

*Philodictya*

RHINIDICTYA

**nitidus (a)**

*Ambonychia*

*Athyris*

BATHYURELLUS

*Caryatis*

CYCLOCYSTOIDES

*Cythera*

*Didymograpsus*

DIDYMOGRAPTUS

DIOSPYROS

*Graptolithus*

HALYSITES CATENULARIA

LINGULA

LIOCLEMELLA

LITHODOMUS

MERETRIX

*Merista*

*Meristella*

*Meristina*

MYTLARCA

WHITFIELDDELLA

**noachina**

*Cemoria*

PUNCTURELLA (CEMORIA)

**nobilis (e)**

CYCLORHINA

PHYSA

PLATANUS

POPERIOCERAS

*Retzia (Trematospira)*

RHYNCHONELLA

SYRINGOPORA

TREMATOSPIRA

**nobilissimus**

HOLOPTYCHIUS

**nodatus**

*Schizocrinus*

**nodocostata (um)**

GRAMMYSIA

*Orthoceras*

**nodocostum**

*Orthoceras*

**nodoso cancellata**

PECTEN

**nodostriatus (a)**

*Asaphus*

*Athyra*

RHYNCHONELLA

**nodosus (a, um)**

*Ammonites*

*Calamites*

*Helopora*

PINNULARIA

PLATYCERAS

*Primitia*

PTILODICTYA

SCAPHITES

SCHIZOCRINUS

SUCKOWI

ULRICHIA

**nodulata**

SYRINGOSTROMA

**nodulosa**

BEATRICEA

*Fasciolaria*

HINDIA

*Pleurotomaria*

ZAPHERENTIS

**noeggerathi**

TRIGONOCARPUM

**noettingi**

*Beyrichia*

B. TUBERCULATA



LIST OF SPECIFIC NAMES

|                         |                            |                           |
|-------------------------|----------------------------|---------------------------|
| <b>nordenskioldi</b>    | <b>nutans</b>              | <b>obliteratus (a)</b>    |
| LEPERDITIA              | <i>Hemipronites</i>        | DOLICHODERUS              |
| MAGNOLIA                | <i>Streptiorhynchus</i>    | HYPOCLINIA                |
| <i>Pinus</i>            | STROPHOMENA                | <b>oblongata</b>          |
| SEQUOIA                 | <b>nutrix</b>              | NUCULITES                 |
| VIBURNUM                | CAMAROTOECHIA              | <b>oblongifolia</b>       |
| <b>normalis (e)</b>     | <i>Rhynchonella</i>        | <i>Cladophlebis</i>       |
| AMPYX                   | <b>nuttalli</b>            | CLINTONIA                 |
| CONOCARDIUM             | CARDIUM                    | CYCLOPTERIS               |
| <i>Lonchodomas</i>      | SCHIZOTHOERUS              | <b>oblongus (a)</b>       |
| <b>normani</b>          | <b>nuxtauricensis</b>      | <i>Bathyrurus</i>         |
| PLEUROTOMARIA           | JUGLANS                    | <i>Lingula</i>            |
| <b>norvegica (um)</b>   | <b>nycteis</b>             | LLOYDIA                   |
| <i>Dichyonema</i>       | <i>Metoptoma</i>           | PENTAMERUS                |
| <i>Potentilla</i>       | TRYBLIDIUM                 | POPULUS MUTABILIS         |
| <b>notabilis (e)</b>    | <b>nyctela</b>             | PTERONITELLA              |
| ASPIDICHTHYS            | METOPTOMA                  | <b>obovatum</b>           |
| DIPLOMOCERAS            | <b>nympa</b>               | LEPIDODENDRON             |
| GRYPOSAURUS             | LINGULA                    | <b>obscurus (a, um)</b>   |
| <b>notans</b>           | RETICULARIA                | <i>Alethopteris</i>       |
| <i>Asaphus</i>          | <i>Spirifer</i>            | COMPSEMYS                 |
| BRACHYASPIS             | <b>nymphale</b>            | LEPERDITELLA              |
| <b>notatus (a)</b>      | CHONOPHYLLUM               | <i>Leperditia</i>         |
| ARALIA                  | <i>Cyathophyllum</i>       | PALAEOPHYCUS              |
| <i>Bayrichia</i>        | <b>obconicus</b>           | PECOPTERIS (ALETHOPTERIS) |
| CYRTOSPIRA              | EUSPIROCRINUS              | <i>Plectoceras</i>        |
| KLOEDENIA               | <b>oberon</b>              | <b>observator</b>         |
| <i>Subulites</i>        | ORTHO CERAS                | BRADORONA                 |
| <b>novascoticus (a)</b> | <b>obesula</b>             | <b>obsoleta</b>           |
| CALAMITES               | RHYNCHONELLA               | <i>Bucania</i>            |
| CHONETES                | <b>obesus (a, um)</b>      | <i>Cyclonema</i>          |
| MURCHISONIA             | BRADORIA VIGILANS          | HOLOPEA                   |
| <b>noyboracensis</b>    | BYSSONYCHIA                | NASSA                     |
| ASTROPTERIS             | PUSISPIRA                  | RISSEO                    |
| <b>nucleata</b>         | <i>Gomphoceras</i>         | <i>Sarcinula</i>          |
| ANOPLA                  | PENTREMITES                | TETRA NOTA                |
| <b>nucleola</b>         | POTRIOCERAS                | <b>obstrictus</b>         |
| CYLICHNA                | <i>Subulites</i>           | HAMITES                   |
| <b>nucleolatus</b>      | <b>oblanceolata</b>        | <b>obtriata</b>           |
| <i>Rhynchonella</i>     | SPHENOPTERIS               | POPULUS                   |
| UNCINULUS               | SPHENOZAMITES              | <b>obtusata</b>           |
| <b>nucleus (a)</b>      | <b>oblata (um)</b>         | PATULA                    |
| <i>Atrypa</i>           | <i>Cyclopteris</i>         | <b>obtusilobatus</b>      |
| <i>Camarella</i>        | MERISTINA                  | LIQUIDAMBAR               |
| <i>Orthis</i>           | OLCOSTEPHANUS              | <i>Phyllites</i>          |
| TRIPLECIA               | <i>Orthis</i>              | <b>obtusilobus (a)</b>    |
| <b>nucula</b>           | RHIPIDOMELLA               | COMPTONIA                 |
| CAMAROTOECHIA           | <i>Stephanoceras</i>       | <i>Hymenophyllites</i>    |
| RHYNCHONELLA            | <b>obliquata</b>           | PLATANUS                  |
| <b>nuculoides</b>       | LUNATA                     | SPHENOPTERIS              |
| ELYMELLA                | NATICA                     | <i>Thyrsopteris</i>       |
| <b>numa</b>             | WHITELLA                   | <b>obtusiplicata</b>      |
| GOMPHOCERAS             | <b>obliqueseptatum</b>     | <i>Atrypa</i>             |
| GYROCERAS               | ORTHO CERAS                | CAMAROTOECHIA             |
| <b>numerica</b>         | <b>obliquus (a, um)</b>    | <i>Rhynchonella</i>       |
| LIOSPIRA                | ANOMIA                     | <b>obtusus (a, um)</b>    |
| <i>Pleurotomaria</i>    | CARDIOCARPON               | ADIANTITES                |
| <b>numitor</b>          | CINULIA                    | <i>Ambonychia</i>         |
| CERAURUS (CHEIRURUS)    | CORBICULA                  | ANEIMITES                 |
| <i>Cheirus</i>          | CENODONTA                  | <i>Asaphus</i>            |
| <b>numuniformis</b>     | CYCLOPTERIS (NEPHROPTERIS) | BYTHOCYPRIS               |
| <i>Callopora</i>        | DICTYOPTERIS               | CENODONTA                 |
| MESOTRYPA               | ERIDOTRYPA                 | CYCLOPTERIS (ANEIMITES)   |
| <b>nuntius (m)</b>      | HOLOPEA                    | <i>Cypricardites</i>      |
| FORBESIOCRINUS          | HURONIA                    | CYRTODONTA                |
| ORTHO CERAS             | HYMENOCARIS                | HOMOTELUS                 |
| SPYRO CERAS             | <i>Nephropteris</i>        | <i>Isotelus</i>           |
| <b>nuperus</b>          | <i>Nucula</i>              | LINGULA                   |
| <i>Ceraurus</i>         | RHINIDICTYA                | MATHERIA                  |
| CHEIRURUS               | STROPHOSTYLUS              | <i>Modiola</i>            |
| <b>nustella</b>         | SUCCINEA                   | MODIOLOPSIS               |
| <i>Atrypa</i>           | <i>Tellinomya</i>          | <i>Onchometopus</i>       |
|                         |                            | ORTHONYCHIA               |
|                         |                            | <i>Palaearca</i>          |

GEOLOGICAL SURVEY

**obtusus (a, um)**—Continued

*Posidonomya*  
*Sallerella*  
 STRAPAROLLUS  
 TRICERATOPS  
**occasus**  
*Bronteus*  
 GOLDIUS  
 MACLURITES  
**occidens**  
 PHANEROTREMA  
*Pleurotomaria*  
**occidentalis (e)**  
 ACERATHERIUM  
 APORRHAIIS  
 ARCTICA  
 ATRYPA ANGELICA  
*Baculites*  
*Bulla*  
 CAENOPUS  
 CLADOCYCLUS  
 CONCHIDIUM  
 CORBICULA  
 CYPRINA  
 CYRTOCERAS  
 ECTOMARIA PAGODA  
 FENESTRAPORA  
 FIGUS  
*Gypidula*  
 HALOBIA  
 HAMINEA  
 HEBBERTELLA  
 HOLOPEA  
 JUGLANS  
 KINGENA  
 LEPIDOTUS  
*Lucina*  
*L. elliptica*  
*Orthis*  
 PARACYCLAS ELLIPTICA  
 PELTOCERAS  
*Pentamerus*  
 PERONAEA  
 PETRAIA  
 PLACENTICERAS  
 PTERINEA  
 RECEPTACULITES  
 SOLARIELLA RADIATULA  
 SOLECURTUS (TAGELUS)  
*Solenospira pagoda*  
 SPIRIFER DISJUNCTUS  
*Stylaraea*  
*Tagelus*  
 TAXITES  
 TAXODIUM  
 TELLINA  
 THESPESIUS  
 THRACIA  
 THUYA  
**occiduus**  
 NOTHOSAUROPS  
**occulta**  
 CYLICHNA  
**octobrachiatus**  
*Dichograpsus*  
 DICHOGRAPTUS  
*Graptolithus*  
**octocostata**  
*Atrypa*  
**octonarius**  
*Dichograpsus*  
 DICHOGRAPTUS  
*Graptolithus*  
**octonotatus**  
 PROTICHNITES

**oculata**  
 PRASOPORA  
**oculifera**  
*Beyrichia*  
 CERATOPSIS  
**oehana**  
 RHYTIMYA  
**oelensis**  
*Crisinella*  
**oeningensis**  
 COMPTONIA  
*Phragmites*  
**ogimus**  
 COMPSEMYS  
**ohioensis (e)**  
 CENTROCERAS  
 CONOCARDIUM  
*Monticulipora*  
 PARACYCLAS  
 SPIRIFER (DELPHYRIS)  
 TREMATOCERAS  
 TRIMERELLA  
**okeni**  
 LEPPERDITIA  
**olafseni**  
 QUERCUS  
**oligoneura**  
 ARCHINOCELLA  
**olliculus**  
 ACTINOCRINUS  
**olricki**  
 TAXITES  
 VITIS  
**omphaloides**  
 SPIRORBIS  
**onealli**  
*Callopora*  
*Chaetetes*  
 HALLOPORA  
*Monticulipora*  
**oneidaensis (e)**  
 ACROPHYLLUM  
*Clisiophyllum*  
 HELIOPHYLLUM  
**ontario**  
 TEREBRATULA  
**opacus**  
 SAXIDOMUS  
**ophelia**  
 HOLOPEA  
**ophiurus**  
 LEPIDODENDRON  
**opima**  
*Cucullaea*  
**ops**  
*Camarella*  
 PARASTROPHIA  
**optatus (a)**  
 CONOCEPHALITES  
 HABELLIA  
**orbicauda**  
*Iliaenus*  
**orbicaudatus**  
 BUMASTUS  
*Iliaenus*  
**orbicularis**  
 AMBONYCHIA  
 CYCLAS  
 CYRTODONTA  
 MONOMORELLA  
*Posidonomya*  
*Pterinea*  
 SALIX

**orbiculata**  
 CALLISTA  
**orbifera**  
*Cornus*  
**ordinatus (um)**  
 CHONOSTEGITES  
*Haimoephyllum*  
 ORTHOCERAS  
**oregonense**  
 EQUITSETUM  
**orestes**  
 CONOCEPHALITES  
 CYRTOCERAS  
 PHACOPIDELLA  
*Phacops*  
 PTYCHOPARIA  
**organum**  
*Astrepora*  
*Madrepora*  
*Sarcinula*  
 SIGILLARIA  
 SYRINGOPHYLLUM  
**orientalis**  
*Billingsella*  
 CAMAROTOECHIA  
*Orthosina*  
*Receptaculites*  
*Rhynchonella*  
**orinomum**  
 PTEROSTICHUS  
**oriskania**  
 LEPTOSTROPHIA  
 STROPHEODONTA  
**orithya**  
*Metopoma*  
 SCENELLA  
**ornatissima**  
*Angaria*  
 MARGARITA  
**ornatus (a, um)**  
 AMIELLA  
 ANCHICERATOPS  
 ANOSTEIRA  
 BELLEROPHON  
 BRADORIA  
*Cryptonymus*  
 CYATHOCRINUS  
 CYRTOLITES  
 ENCRINURUS  
 EOPTERIA  
 GLYPTOCRINUS  
 LEPTOTRYPA  
 LUNULCARDIUM  
 MODIOLA  
 PALAEBASTACUS  
*Porcellia*  
 PSILOPHYTON PRINCEPS  
 SPIRIFERINA  
*Tentaculites*  
*Trachypora*  
**orodes**  
 CYCLOSTOMICERAS  
*Cyrtoceras*  
**orovillensis**  
 TAENIOPTERIS  
**orphyne**  
*Metopoma*  
 PALAEBACMAEA  
**orta**  
 AGROTHYRA SIGNATA  
**orthambonites**  
*Orthis*  
**orthidioides**  
 RHYNCHONELLA

LIST OF SPECIFIC NAMES

**orthonota**

*Cypricardia*  
MODIOLOPSIS  
*Unio*

**ortoni**

*Triplecia*

**orus**

*Orthoceras*

**oryza**

CYLICHA

**osborni**

ARCTOSAURUS

**osceola**

DIBELOCEPHALUS

**osmundaeformis**

*Filicites*

**ostiolatus (a, um)**

CHONETES  
CLATHRODICTYON  
*Spirifer*  
*Stromatopora*

**otacodensis**

*Ammonites*  
PACHYDISCUS

**ottawa**

ISOCHILINA  
*Leperditia isochilina*

**ottawaensis (e)**

ASTROCYSTITES  
ASTROPORITES  
*Batostoma*  
*Byrrhus*  
ECCYLIPTERUS  
EOHARPES  
*Harpes*  
HEMPHFRAGMA  
LYCROPHYCUS  
*Ophileta*  
ORTHO CERAS  
*Porambonites*  
RHYNCHOTREMA  
*Steganoblastus*  
TREMATIS

**ouangondianus (a, um)**

CONOCEPHALITES  
DADOXYLON  
PTCHOPARIA

**oustaleti**

TROX

**ovalis (e)**

CARDIOCARPON  
HEDERA  
HOLOPEA  
HYMENOCARIS  
*Indiana*  
LINGULA  
MEGALANTERIS  
MONOTIS  
NEMATOPORA  
PALIURUS  
PENTHETRIA  
*Rensselaeria*  
SUCCINEA

**ovatus (a)**

AUCELLA PIOCHI  
BACULITES  
CENTRONELLA  
*Cypricardites*  
CYPRINA  
GRAMMYSIA  
*Graptolithus*  
*Iliaenus*  
LEPERDITIA  
MONOMORELLA  
PHOLIDOPS

**ovatus (a)—Continued**

PRIMITIA  
STROPHOSTYLUS  
TELLINA  
THALEOPS  
VERTIGO  
VIBURNUM

**oviformis**

ACTAEONELLA  
PROTOCRINITES

**ovodentata**

*Pecopteris*

**ovoides**

*Meganteris*  
RENSSELAERIA  
*Terebratula*  
TROCHONEMA

**ovuloides**

PHOLADOMYA

**ovulum**

RENSSELAERIA

**owatonnensis**

*Camarella*

**oweni**

*Agraulos*  
*Anomocarella*  
*Arionellus*  
*Conaspis*  
*Conocephalites*  
*Crepicephalus*  
*Dicellocephalus*  
*Dikelocephalus*  
PTYCHOPARIA  
RECEPTACULITES  
RICHARDSONELLA  
*Spirifer*

**oxyccoccoides**

VIBURNUM

**pachoptera**

SPRIFER

**pachyderma**

SIGILLARIA

**pachyphyllum (a)**

SPHENOLEPIDIUM  
*Sphenopteris*

**pachyrachis**

*Thyrsopteris*

**pacifica**

ALBERTELLA

**packardi**

ASTARTE

**pagoda**

ECTOMARIA  
*Eunema*  
*Murchisonia (Eunema)*  
*Solenospira*

**palacomelas**

NEBRIA

**palacotrochus**

VALVULINA

**palinurus**

*Bellerophon*  
*Lituites*  
OXYDISCUS  
SCHROEDEROCERAS

**pallasi**

AUCELLA

**palliata**

LITFORINA

**palmatius (a)**

*Baiera*  
BUTHOTREPHIS  
*Bythotrephis*  
EUNICITES  
*Orthis*  
POLYGNATHUS  
RHACHIOPTERIS

**palmeus**

DIPLOGRAPTUS  
*Graptolithus*

**palpebra**

SIGILLARIA

**paludiniiformis**

HOLOPEA

**palustris**

LIMNAEA

**panda**

*Cyrtina*  
HAMILTONENSIS

**panderi**

ACROTRELE  
CAMARELLA  
PRIONIODUS  
REMOPLEURIDES

**panderianus (a)**

BELEMNITES  
ORTHIS

**pandora**

SCHELLWIENELLA  
SCHUCHERTELLA  
*Streptorhynchus*

**pannosus (a, um)**

CALATHIUM  
*Conradella*  
*Cyrtolites*  
PHRAGMOLITES

**pannulus (a)**

IPHIDEA  
*Kutorgina*  
MICROMITRA (IPHIDELLA)  
*Trematis*

**papilionensis**

*Pentamerella*

**papillatus (a)**

ACROTRETA  
*Camptolithus*  
LYELLIA  
PROTARAEA  
SPORANGITES  
STENOPORA

**papillosa**

LOPHOSPORA  
*Murchisonia*

**papposa**

SOLASTER

**papyracea**

*Pano paca*  
PHOLADOMYA  
PLEUROMYA

**paquettiana (pauquettiana)**

LEPERDITIA  
L. CANADENSIS  
*L. fabulites*  
*Solenopora*  
S. COMPACTA

**parabola**

*Oxygia*

**paradoxicus (a, um)**

*Calathium*  
DENDROCYSITES  
NIPTERELLA  
*Syringocrinus*

GEOLOGICAL SURVEY

**paradoxus**  
AMPHIPELITIS

**paraia**  
ANABAIA

**parallela**  
ANODONTA  
BEYRICHTIA  
CYMATONOTA  
FENESTELLA  
LINGULA  
*Orthodesma*  
ORTHONOTA  
*Primitia (Beyrichia)*

**parasiticum (a)**  
*Astrocerium*  
EXOXYRA  
*Favosites*  
MONTICULIPORA

**parceramosum**  
*Sphenolepidium*

**parilis**  
AGNOSTUS  
CORBULA

**parlatori**  
EQUISETUM  
*Physgenia*

**parryana**  
*Spirifer*

**partita**  
COMPTONIA  
*Myrica*  
TEREDO

**parvifolia**  
CERCIS

**parviusculus**  
MESOPALABASTER  
MODIOLOPSIS  
*Palaeaster*  
PROETUS

**parvulus (a, um)**  
ANCHISTOMA  
APARCHITES  
*Asterophyllites*  
ASTYLOSONGIA  
ATHYRIS  
BATHYURUS  
CRENELLA  
CYATHOPHYLLUM  
CYRTOLITES  
CYRTOSPIRA  
GOMPHOCERAS  
*Heliophyllum*  
HYDATINA  
ILONIA  
LEPTAENA  
LIMOPSIS  
MARTESIA  
MODIOMORPHA  
NICHOLSONELLA  
*Nilsonia*  
ORTHONOTA  
*Orthonychia*  
PALACOPTERIA  
PLATYCERAS  
POLEUMITA  
*Polytropis*  
*Pterinea*  
PTYCHODUS  
*Streptelasma*  
*Streptoplasma*  
*Subulites*  
TENTACULITES

**parvus (a, um)**  
CAMARELLA  
CLIMACOGRAPTUS

**parvus (a, um)—Continued**  
COLUMNARIA  
CYCLOCYSTOIDES  
CYRTODONTA  
CYRTOLITES  
DINOBOLUS  
EUTYFOMYS  
GYRAULUS  
HYMENOCARIS  
LEPIDOPHLOIS  
LIMA  
MACRODON  
OBOLUS  
*Orthis*  
PHERAGMOCERAS  
PLANORBIS  
SPHAEREXOCHUS  
STROPHODONTA  
STYLARAEA

**pasaytensis**  
NILSONIA

**pasithea**  
CYATHOPHYLLUM

**patelliformis**  
ANISOMYON  
*Carinaropsis*  
METOPTOMA  
VELATELLA

**patens**  
*Leptaena*  
*Streptorhynchus*  
*Strophomena*  
ZAPHERENTIS

**patenta**  
*Leptaena*  
*Streptorhynchus*  
*Strophomena*  
STROPHONELLA

**patersoni**  
CONOCEPHALITES  
STROPHODONTA  
*Strophomena*

**patina**  
COLLISELLA  
OSTREA  
PHOLIDOPS

**patruellis**  
PTEROSTICHUS

**patulus (a)**  
AXINAEA  
*Bythotrephix*  
CHONDRITES  
DIDYMOGRAPTUS  
*Graptolithus*  
SILIQUA  
STENOPORA

**paucifolia**  
*Pecopteris*  
SAGENOPTERIS

**paucinervis**  
CYPERACITES

**paucivolvis**  
PLANORBIS

**pauper (a)**  
*Dikelocephalus*  
*Pleurotomaria*  
PTYCHASPIS  
RHINDICTYA  
*Stenotheca*  
*Stictopora*  
TROCHONEMA  
ZYGOSPIRA

**pauperata**  
DENTALINA

**pauperculus (um)**  
CARDIUM  
*Dentalium*  
ENTALIS  
MYTILUS

**pauquettiana**  
*See paquettiana*

**pavilionensis**  
PENTAMERELLA

**pavonia**  
*Chaetetes*  
ESCHAROPORA  
*Monotrypa*  
*Monticulipora*  
*Nicholsonia*  
*Ptilodictya*

**peachii**  
MACLURITES  
*Solenopora compacta*  
*Tetradium*

**peccopteroides**  
*Thyrsopteris*

**pecten**  
CTENOPYGE  
OLENUS (SPHAEROPHTHALMUS)  
SCHUCHERTELLA  
STENOPORA  
*Strophomena*

**pecteniformis**  
AVICULOPECTEN

**pectinacea**  
*Strophomena*

**pectinata**  
NUCULA

**pectinella**  
DINORTHIS  
*Orthis*

**pectunculooides**  
CTENODONTA  
*Tellinomya*

**peculiaris**  
*Atrypa*  
EATONIA

**pedernalis**  
MODIOLA

**pedunculata**  
LOUISELLA

**peersi**  
*Pentagonia*

**pelganus**  
DYSGANUS

**pelagicum (a)**  
CYATHOPHYLLUM  
STRAPAROLINA

**pelliculata**  
DEKAYIA  
*Monticulipora*

**peloepa**  
*Discina*  
SCHIZOTRETA

**pelops**  
ABAPHUS  
BELLEROPHON  
ORTHOCERAS

**pelta**  
COLLISELLA

**peltata**  
*Brasenia*

**peltifer**  
*Climacograptus bicornis*

LIST OF SPECIFIC NAMES

**penelope**  
RHIPIDOMELLA

**penetrans**  
DIPLODUS

**pennanti**  
CYATHOPHYLLUM

**pennatulus**  
DIDYMOGRAPTUS  
*Graptolithus*

**pennatus**  
SPIRIFER

**penniformis**  
LYCOPODITES  
PECOPTERIS  
PTILOPHYTON  
TAENIOPORA

**pensylvanica**  
BEYRICHIA  
*Eatonia*  
LEPERDITIA

**pentadactyla**  
*Hymenophyllites*

**pentagonus (um)**  
*Arachnophyllum*  
DICLONIUS  
PTEROTHECA  
STROMBODES

**peosta**  
DIPLOGRAPTUS  
*Graptolithus (Diplograptus)*

**pepina**  
*Billingsella*  
*Orthis*

**pepinensis**  
DIKELOCEPHALUS

**peracuta**  
LOPHOSPIRA  
*Murchisonia*

**perangulatus (a)**  
CORBULA  
DICLONIUS  
GONIOPHORA  
LOPHOSPIRA  
*Murchisonia*  
POLYPORA  
*Sanguinolites*

**perannulatum**  
*Orthoceras*

**perantiquus (a, um)**  
BETULA  
CHAETETES  
TRIGONOCARPUM

**perarmata**  
ACIDASPIS

**percarinata**  
MYTILARCA

**percingulatum**  
CYCLONEMA

**percostatus**  
ANCYLOCERAS

**perditus**  
AGABUS

**peregrina**  
PANOPAEA

**perlegans**  
DALMANELLA  
NEUROPTERIS  
*Orthis*  
SYRINGOPORA

**perexcavatus**  
CLIMACOGRAPTUS  
DIPLOGRAPTUS

**perexile**  
DICTYONEMA

**perezianus (um)**  
AMMONITES  
DESMOCERAS (PUZOSIA)  
HAPLOCERAS  
*Placenticeras*  
*Puzosia*

**perfecta**  
HYMENOCARIS

**perfoliatum (us)**  
CHONOPHYLLUM  
POPULUS  
POTAMOGETON

**perforator**  
*Ceraurus*  
*Cheirurus*  
NIESZKOWSKIA

**perforatus (a)**  
*Bellerophon (Bucania)*  
DIAPHOROSTOMA  
LOCULIPORA

**pergracilis**  
BUTHOTREPHIS

**perlamellosum (a)**  
CYATHOPHYLLUM  
DELTHYRIS  
*Rhynchonella*  
RHYNCHOTREMA  
*Spirifer*

**perlatus (a)**  
*Delthyris*  
LIOSPIRA  
*Pleurotomaria*  
SPIRIFER SUBSULCATUS  
STIGMARIA

**perleyi**  
ALETHOPTERIS  
PECOPTERIS

**permarginata**  
FISTULIPORA

**perminuta**  
FENESTELLA

**permodosa**  
UNITRYPA

**pernoides**  
*Mytilarca*  
STREPTOMYTILUS

**pernula**  
LEDA

**perobliqua**  
LIMA

**peroccidens**  
PROETUS

**perovalis**  
*Terebratula*

**perparvum**  
ORTHO CERAS

**perplana (um)**  
LEPTOSTROPHIA  
STREPTORHYNCHUS  
STROPHODONTA  
*Strophomena*

**perplexa**  
PROETUS  
SALIX  
SQUAMULARIA

**perplexus (a)**  
BATHYURUS  
DIONIDE

**perplicatus**  
PACHYDISCUS (HARADAI)

**perrugosus**  
BOTTO SAURUS

**perryana**  
ANARTHROCANNA

**perryi**  
LINGULA

**perseus**  
CONOCEPHALITES  
ORTHO CERAS

**persimilis**  
AMPLEXOPORA  
GRYPHAEA  
LIOSPIRA

**persiphonata (um)**  
HURONIA  
*Orthoceras*

**persistens**  
MODIOLA

**persona**  
COLISELLA

**personata (um)**  
LEPIDODENDRON  
MYRICA

**perspicator**  
*Bathyrurus*  
BRADORONA  
GONIURUS

**perstriata**  
HELICOTOMA

**perstrigosa**  
ANOMIA

**perternis**  
MODIOLA  
PHACLOPORA  
UTRICULUS  
VOISELLA

**pertinax**  
ORTHO CERAS

**pertusa**  
LEPRALIA

**perumbrosus**  
ACTINOCRINUS  
*Strolocrinus*

**perundata**  
CORBULA  
RETEPORIDRA

**perundosa**  
*Holopea*

**peruviana**  
*Terebratula*

**perversus (a, um)**  
*Heteroceras*  
*Orthis*  
SCHELLWIENELLA  
SCHUCHERTELLA CHEMUNGENSIS  
*Stretorhynchus*  
*S. chemungensis*

**perveta**  
*Dalmanella*  
*Orthis*  
*O. dalmanella subaequata*  
PIANODEMA SUBAEQUATA  
SCHMIDTELLA

**petaliformis**  
PLASMOPORA  
*Porites*

**petasiformis**  
AMPLEXOPORA  
*Monotrypa*  
*Monticulipora*

**petiolata**  
*Cladophlebis*

GEOLOGICAL SURVEY

- petrae**  
*Orthis*
- petraiodes**  
CYATHOPHYLLUM
- petropolitana**  
*Chaetetes*  
DIPLOTRYPA  
MONTICULIPORA  
STENOPORA
- petrorum**  
*Gerancon*  
LACHNUS
- petrosa**  
TELLINELLA
- pettitti**  
ONCOCERAS
- pexatum**  
LOXONEMA
- phacoptyx**  
HAUSMANIA
- phaedra**  
CYCLONEMA
- phantapus**  
PSOLUS
- phaseolus**  
*Cytherina*  
LEPERDITIA
- phillipsi**  
EQUISETUM  
*Loxonema*  
*Obolella*  
PECOPTERIS  
RETEPORINA
- philomela**  
*Brachyprion*  
LINGULA  
STROPHODONTA (BRACHYPRION)  
*Strophomena*
- phoca**  
*Atrypa*  
*Hindella*  
LISSATRYPA  
*Rhynchonella*
- phocion**  
PROETUS
- pholadiformis**  
*Actinomya*  
*Modiolopsis*  
*Pholadomorpha*  
RUBEIRIA  
WHITEAVSIA
- pholadis**  
CYMATONOTA  
ORTHODESMA  
*Orthonota*  
SAXICAVA  
*S. rugosa*
- phylophorus**  
*Climacograptus*
- picea**  
*Galerucella*
- pickthorni**  
CYATHOPHYLLUM  
*Strophodes*
- picta**  
LITHORTALIS
- picteti**  
NAUTILUS
- pictipennis**  
PENTHETRIA
- pictoense**  
LEPIDODENDRON  
*Lithostrotion*  
LONSDALEIA
- piger (ra)**  
*Cylambonites*  
*Orthis*  
ORTHIS
- pileiformis**  
PRODUCTUS
- pileolus (um)**  
ARCHINACELLA  
DISCINA  
ORTHO CERAS  
*Tryblidium*
- pilosa**  
CALLIPTERIS  
MEBRANTPORA  
SPHENOPTERIS
- pinguis**  
CLADOPORA  
ELPE
- pinnaformis**  
*Lingula*  
*Lingulepis*
- pinnatifida**  
*Thyrsopteris*
- pinnulatum**  
CARDIUM
- pinonensis**  
SPIRIFER
- piochi**  
AUCELLA  
*Inoceramus*
- pipa**  
PHACOPS CRISTATA
- pisa (um)**  
CAMAROTOECHIA  
PLECTAMBONITES  
*Rhynchonella*
- piscator**  
ORTHO CERAS
- piscinalis**  
VALVATA
- pisiformis**  
AGNOSTUS  
NUCLEOSPIRA
- piso**  
ORTHO CERAS
- pisum**  
*Orthis*
- plabiatus**  
*Inoceramus*
- placensus (a)**  
AMMONTES  
FAVOSITES  
PLACENTICERAS
- placidus**  
CYTHERODON  
MURCHISONIA
- planatus**  
CRYPTOGRAPTUS
- planicostata**  
CONULARIA
- planidens**  
MESOHIPPUS
- planidorsalis**  
BEMBEXIA
- planifrons**  
ANOMOCABELLA  
*Dicelloccephalus*  
*Dikeloccephalus*
- planirostris**  
CRYPTONELLA  
*Terebratula*
- planistria**  
*Raphistoma*  
*Scalites*  
*Straparollus*
- planoconvexa (um)**  
*Anoplothea*  
*Atrypa*  
COELOSPIRA  
DALMANELLA  
GRYPHAEA  
*Hemipronites*  
*Leptaena*  
*Orthis*  
*Streptorhynchus*  
STROPHOMENA
- planodiscus**  
EUOMPHALUS
- planorbiformis**  
TROCHOLITES
- planorbites**  
*Serpula (Spirorbis)*
- planosulcata**  
*Terebratula*
- planulatus (a, um)**  
*Ammonites*  
CLIDOPHORUS  
CYPRICARDINIA  
DESMOCERAS (PUZOSIA)  
HAPLOCERAS  
HELICOTOMA  
*Nuculites*  
*Periploma*  
*Puzosia*  
STANDELLA
- planumbonus (a)**  
HEMIGYRASPIIS  
*Hemipronites*  
*Isotelus*  
*Leptaena*  
MONTICULIPORA PARASITICA  
PALEONEILO  
*Streptorhynchus*  
STROPHOMENA  
*Trionyx*
- planus (a)**  
ARIONELLUS  
*Asaphellus*  
*Asaphus*  
ASPIDERETES  
*Bathyurus*  
CARYATIS  
*Constellaria constellata*  
C. FLORIDA  
CONULARIA  
*Cytherea (Caryatis)*
- platycephalus**  
*Asaphus*  
*Isotelus*
- platyphylla**  
MODIOLOPSIS  
*Phaenopora*  
*Ptilodictya*
- platyptera**  
PENTHETRIA
- platys**  
CALYMENE  
DINORTHIS (PLAESIOMYS)  
*Orthis*  
*Plaesiomys*

LIST OF SPECIFIC NAMES

|  |   |  |
|--|---|--|
| <b>plebeia</b><br><i>Cypricardites</i><br><i>Cyrtodonta</i><br>WHITTELLA   | <b>pluripartita</b><br>ACROSTICHOPTERIS<br><i>Baieropsis</i>  | <b>porosicollis</b><br>DONACIA   |
| <b>pleiopleura</b><br>RHYNCHONELLA<br>SPIRIFER   | <b>pluto</b><br>LITUITES  | <b>porpita</b><br>PALAEOCYCLUS   |
| <b>plenus (a)</b><br><i>Atrypa</i><br>BELLBROPHON<br>CAMAROTOECHIA<br>PLEUROTOMARIA<br><i>Rhynchonella</i>   | <b>plutonia</b><br>PINUS  | <b>porrectus</b><br><i>Productus</i>   |
| <b>pleurexanthemus</b><br><i>Ceraurus</i><br>CERAURUS<br><i>Cheirurus</i>  | <b>pocahontas</b><br>NEUROPTERIS  | <b>portlandica</b><br>LEDA<br>RENSSELAERIA   |
| <b>pleuristriata</b><br><i>Strophomena</i>   | <b>politus (a)</b><br>ARABELLITES<br>CAMARELLA  | <b>portumillum</b><br>SPHAERIUM  |
| <b>pleurodictyoides</b><br>FAVOSITES   | <b>polydactylus</b><br>CUPULOCRINUS<br><i>Dendrocrinus</i><br><i>Poteriocrinus (Dendrocrinus)</i>   | <b>postplicata</b><br>MODIOLOPSIS  |
| <b>pleuropteryx</b><br><i>Asaphus</i><br>DALMANITES<br>HAUSMANIA   | <b>polydorus</b><br>CERAURINUS<br><i>Ceraurus</i><br><i>Cheirurus</i>   | <b>postremus</b><br>GLOSSOGRAPTUS (ORTHOGRAPTUS)<br>QUADRIMUCRONATUS<br><i>Goniograptus thureaui</i>   |
| <b>plicatella (us)</b><br><i>Anomia</i><br><i>Leptaena</i><br><i>Orthis</i><br>ORTHO CERAS<br>PLECTAMBONITES<br><i>Plectorthis</i><br><i>Spirifer</i>  | <b>polygona</b><br>CYPHOTRYPA   | <b>poststriata (um)</b><br><i>Arca</i><br><i>Cardiomorpha</i><br>LYRODESMA<br>MODIOLODON<br><i>Nucula</i><br><i>Nuculana</i><br><i>Nuculites</i> |
| <b>plicatula</b><br><i>Anoplotheca</i><br><i>Atrypa</i><br>COELOSPIRA<br>DIAPHOROSTOMA<br><i>Eurystromites</i><br><i>Ischyrinia</i><br>LEPIDODENDRON<br>SPIRIFER<br>STROPHEODONTA<br><i>Strophomena (Hemipronites)</i><br>TECHNOPHORUS<br>TEREBRATELLA<br><i>Terebratula</i> | <b>polymorphus (a, um)</b><br><i>Cinnamomum</i><br>FAVOSITES<br><i>Myrica</i><br><i>Neuropteris</i><br>PACHYFORA<br>PECOPTERIS<br>POPULUS | <b>postumius</b><br>CYTROCERAS<br>CYRTOZOCERAS<br>PLEUROTOMARIA  |
| <b>plicifera</b><br><i>Atrypa</i><br><i>Dalmanella</i><br><i>Leptaena</i><br><i>Rhynchonella</i><br><i>Strophomena</i>   | <b>polymmatum</b><br>CUPRESSINOXYLON  | <b>powelli</b><br>LYOSOMA  |
| <b>pluckeneti</b><br>PECOPTERIS  | <b>polyplocum</b><br>HETERO CERAS   | <b>praecedens</b><br>PARAREA   |
| <b>plumarium</b><br>LEPIDODENDRON<br>PTILODICTYA   | <b>polypora</b><br>DICTYOMITRA  | <b>praecoidens</b><br>MESOHIPPUS   |
| <b>plumbca</b><br><i>Monobolina</i><br>OBOLELLA (MONOBOLINA)   | <b>polystomella</b><br>CONSTELLARIA   | <b>praecursa</b><br>BYSSONYCHIA  |
| <b>plumca</b><br>STICTOPORINA  | <b>polyxo</b><br><i>Heterocrinus</i>  | <b>praecursor</b><br>CYATHOPHYLLUM VERMICULARE<br><i>Ulmus</i>   |
| <b>plumosa</b><br>MEGALOPTERIS<br>PECOPTERIS<br>PTILOGRAPTUS   | <b>pompatica</b><br>DONACIA   | <b>praeformosa</b><br>RHYNCHOSPIRA   |
| <b>plumula (um)</b><br>LYCOPODITES<br>PILOPHYTON   | <b>pompilius</b><br><i>Bronteus</i><br>CERAURINUS<br><i>Ceraurus</i><br><i>Cheirurus</i><br>GOLDIUS                                       | <b>praelongus</b><br><i>Mytilus</i>  |
| <b>plumulostus</b><br>INOCAULIS  | <b>pomponius</b><br>NAUTILUS  | <b>praematurum</b><br>MABLONOCERAS<br><i>Phragmoceras</i>  |
|  | <b>ponderosus (a)</b><br>CUCULLAEA<br><i>Cypricardites</i><br>CYRTODONTA<br>MACLURITES<br>PLETHOMYTIUS                                    | <b>praemorsa</b><br>ASTYLOS PONGIA   |
|  | <b>ponepunctus</b><br>AGNOSTUS TRISECTUS  | <b>praeteritum</b><br>BEMBIIDIUM   |
|  | <b>populina</b><br>FICUS  | <b>praevia</b><br>LIOSPIRA<br>RAPHISTOMA   |
|  | <b>porata</b><br>AMMICOLA   | <b>praeuolutus</b><br>CLIDOPHORUS  |
|  | <b>porcatus (a)</b><br>BALANUS<br><i>Orthis</i>   | <b>pravus</b><br><i>Orthis</i>   |
|  | <b>porcia</b><br>CLITAMBONITES<br><i>Orthis</i>   | <b>precedens</b><br>CONIOPHIS  |
|  | <b>porcupinianum</b><br>RHAMNACINIUM  | <b>preciosa</b><br>MISKOLA<br>PECOPTERIS   |
|  | <b>porosa</b><br>POLYFORA   | <b>precitus</b><br>AULOROPA  |
|  |   | <b>prenasalis</b><br>CROCODILIUS   |
|  |   | <b>presli</b><br>BULMINA   |

GEOLOGICAL SURVEY

**pretiosa (um)**  
ACROTHELE  
*Billingsia*  
*Elkanah*  
*Linnarssonia*  
*Obotella*  
ORTHO CERAS  
SEMICOSCINIUM

**prevosti**  
ACIDASPIS

**primus (um)**  
ORTHO CERAS

**primaevus (a, um)**

ACROTRETA  
BEYRICHIA  
CELLULOXYLON  
EOCYSTITES  
LEPERDITIA BALTHEICA  
LEPIDODENDRON  
PHRAGMOCERAS  
*Pitus*  
PTILODUS  
UNIO

**primigenius (a, um)**

APOROXYLON  
CHONETES (BODEVONARIA)  
ELEPHAS  
*Eodevonaria*  
MODIOLOPSIS  
ORTHO CERAS  
*Palaearca*  
TENEBRIO

**primitivus**  
MEGACEROPS

**primordialis**

*Hyloites*  
PLATYCERAS  
STRAPAROLLUS (OPHILETA)  
THECA

**primus (a)**

ACROTHELE MATTHEWI  
ACROTHYRA PROAVIA  
A. SIGNATA  
ACROTRETA PAPILLATA  
CHAETOMORPHA  
ESCAONA RUTELLUM  
INDIANA OVALIS  
*Lingula*  
LINGULELLA  
LINGULEPIS  
*Orbicula*  
PTEROCHEILOS

**princeps**

ATHYRIS  
AVICULOPECTEN  
*Camarium*  
*Merista*  
MERISTELLA  
PSILOPHYTON

**princessa**

PLEUROTOMARIA

**principalis**

CORDAITES

**prinstana**

*Athyris*  
ATRYPA  
HINDELLA  
*Meristella*

**pridon**

*Graptolithus*  
*Lomatoceras*  
MONOGRAPTUS

**priscidens**

HYRACODON

**priscilla**

NODOSINELLA

**priscus (a)**

*Atrypa*  
BETULA  
CHASMATOPORA  
ECTOMARIA  
*Eunema*  
*Fenestella*  
*Glyptocrinus*  
LOXONEMA  
*Melania*  
MONOMORELLA  
MYLOGNATHUS  
PERIGLYPTOCRINUS  
PHYLOPORA  
*Ptychocrinus*  
RETEPORINA  
SCHIZAMBON  
TELLINA  
UNIO

**pristiniformis**

*Diplograptus*  
*Graptolithus*

**pristinus**

*Acerites*  
HYBOCRINUS

**pristis**

*Diplograptus*  
DIPLOGRAPTUS  
GRAPTOLITHUS

**proavia**

ACROTHYRA  
GRAPTODICTYA  
LUCINA

**proavita**

DINORTHIS  
*Orthis*

**proavus (a)**

*Coscium*  
GRAPTODICTYA

**problematicus (a, um)**

CYCLOPTERIS (NEPHROPTERIS)  
HYBOCYSTITES  
INOCERAMUS  
*Mytiloides*  
*Nephropteris*  
PLEURODICTYUM  
PTERYGOTUS

**proboscidiatus**

DENDROCRINUS

**procera**

BRACHYPEZA

**procris**

HORMOTOMA  
*Murchisonia*

**proctritas**

FENESTELLA

**precumbens**

AULOPORA

**productifrons**

CYMATONOTA

**productoides**

PRODUCTELLA  
*Strophalosia*

**productus (a, um)**

ACER TRILOBATUM  
BATHYRISCUS  
CAMPELOMA  
CYPRICARDELLA  
*Ogygia*

**profundus (a, um)**

*Aceyularia*  
*Archaeocyathus*  
*Brachyprion*  
BUCANIA  
CHAMPSOSAURUS  
CYATHOPHYLLUM  
CYLINDROHELIUM  
CYSTPHYLLUM  
*Euomphalus*  
*Leplaena*  
OPHILETA  
PETRIA  
STREPTELASMA (PETRAIA)  
*Streptoplasma*  
STROPHEODONTA (BRACHYPRION)  
*Strophomena*

**progne**

LINGULA  
LIOSPIRA  
*Pleurotomaria*  
RAPHISTOMA

**prolata**

*Delthyris*

**proles**

ACROTHELE

**proliferum**

*Heliophyllum*

**prolificus (a, um)**

CAMAROTOECHIA  
*Cheirurus*  
*Favosites*  
*Heterophrentis*  
OTTOLA  
PTERINEA  
*Rhynchonella*  
SCOLITHUS  
STREPTELASMA  
ZAPHRENTIS

**prolongatus**

SCHIZODUS

**prominulus**

LEPIDOPHLOIOS

**promisum**

BOTHO PHYLLUM

**propatoris**

ANODONTA

**propinquus (a, um)**

BELLEROPHON  
*Inoceramus*  
MESCHIPPUS  
*Orthis*  
*Orthoceras*  
SCHLOENBACHIA

**proprius**

CORNULITES

**proprusus**

TRICERATOPS

**proserpina**

HELICOTOMA  
HOLOPEA

**prosseri**

WHITFIELDDELLA

**prostratum**

ENCYONEMA

**proteacfolia**

*Salix*

**proteiforme**

*Cameroceeras*  
ENDOCERAS  
ORTHO CERAS

**proteoides**

FICUS



LIST OF SPECIFIC NAMES

**protoamericana**

ULMUS

**proutii**

MENODUS

**proximus (a)**

HIPPARIONYX

*Inoceramus*

*I. crippii*

RETICULARIA

TELLINA

**prudentius**

VIVIPARUS

**pseudocalamiteum**

ORTHOCCERAS

**pseudocastanea**

QUERCUS

**pseudodoule**

CARDIUM

**pseudoelegans**

NAUTILUS

**pseudogaleatus (a)**

GYPIDULA

*Pentamerus*

*Sieberella*

**pseudoglutinosa**

*Alnus*

**pseudomytiloides**

*Inoceramus*

**psilotoides**

ONYCHIOPSIS

**psittacea**

*Anomia rostrum*

HEMYTHRIS

*Hypothyris*

*Rhynchonella*

**psyche**

CYCLONEMA

FUSISPIRA

MACURITES

POLYORA

*Subulites*

**pteroides**

*Alethopteris*

PECOPTERIS

**pubescens**

VIBURNUM

**pugnus (a)**

ATRYPA

PUGNAX

RHYNCHONELLA

**pulasidensis (e)**

ARCHINACELLA

ORTHODESMA

**pulchellus (a, um)**

ARTHROCLEMA

CRANIA

CHENODONTA

CUNNINGHAMITES

*Cynthocrinus*

*Leda*

*Lyrodesma*

MACROCHILINA

*Palaeaster*

PALAEOCRINUS

*Petraia*

POLYORA

SALFERELLA

*Stenaster*

STENOPORA

*Streptelasma*

*Tellinomya*

URASTERELLA

VANIKORO

**pulcher (ra, rum)**

BAENA

BOREMYX

CLADOPORA

CUPRESSINOXYLON

OBOLUS

PALAEOCYSTITES

PENTHETRIA

**pulicaris**

EURYPTERUS

**pulla**

PENTHETRIA

**pumicosa**

CLELEPORA

**pumilus (a, um)**

ACERATHERIUM

ACTINOPTERIA

*Caenopus*

CASTANEA

LEPTOBOLUS

PERINOPECTEN

**punctatus (a)**

AMPYX

*Calamites*

CAMAROCYSTITES

*Cybele*

CYRTOCEPHALUS

*Encrinurus*

*Microdiscus*

PHAEOPORA

*Ptilodictya*

TEREBRATULA

**puncticollis**

ERYCUS

**punctifrons**

*Bellerophon*

BUCANIA

**punctiger**

PLATYPELTIS

*Trionya*

**punctobrachiata**

ANTHROCANTHA

**punctulata**

STENECPHORA

**punctulifera**

BEYRICHIA

CYTHRE (BEYRICHIA)

PRIMITOPIA

STROPHODONTA

*Strophomena*

STROPHONELLA

**pungens**

CLIMACOGRAPTUS

CYADITES

**pupoides**

ACTAEONINA

**purpurea**

BRASENIA

**pusillus (a, um)**

*Battus*

CINULIA

COLPOMYA FABA

*Conophrys*

MAIANTHEMUM

MESOGRAPTUS

*Modiolopsis faba*

POPULUS

PRIMITIA

SHUMARDIA

STIGMARIA

ULMITES

ULMUS

**pustulatus**

PRODUCTUS

**pustulifera**

STROMATOPORA

**pustulosa (um)**

BEYRICHIA

*B. tuberculata*

COENOSTROMA

*Strophomena*

**puteis**

ACROTHELE AVIA

**putillus**

CLIMACOGRAPTUS (MESOGRAPTUS)

*Diplograptus*

*Graptolithus*

**pygmaeus (a, um)**

*Antholithes*

ANTHRACOTHERIUM

CORDAIANTHUS

LEDA

MACRODON

*Nelumbium*

NELUMBO

PETRAIA

STROMBODES

TEXTULARIA

**pylades**

ORTHOCCERAS

**pyramidalis**

BELA

CYRTINA

*Spirifer*

**pyramidatus (a)**

CODASTER

RHYNCHONELLA

**pyrenaicum**

DESMOCERAS

**pyrene**

HOLOPEA

**pyridicula**

*Acrotreta*

**pyriformis**

ARCHAEOCRINUS

*Astrocerium*

COELOCYSTIS

CORBULA

*Cyathocrinus*

FAVOSITES

HELIOLITES

*Hemicosmites*

PENTREMITES

*Thysanocrinus*

**pyrrha**

CAMAROTOECHIA

*Rhynchonella*

**python**

ACTINOCERAS (DEIROCERAS)

*Deiroceras*

*Orthoceras*

**pyxidata**

METAPLASIA

*Spirifer*

**pyxidicula**

*Acrotreta*

**quadrangularis (e)**

DICTYONEMA

*Leptotrypa*

MONOTRYPA

PALESCHARA

SCAPHITES NODOSUS

**quadrans**

*Crepicephalus*

PTYCHOPARIA

**quadraspinus**

*Paradozides*

GEOLOGICAL SURVEY

**quadraticaudatus (a)**

*Asaphus*  
NIOBE

**quadratus (a, um)**

ANATINA  
*Bathyrus*  
*Chaetetes*  
CONOCEPHALITES  
CONULARIA  
ILLAENURUS  
LEIOSTEGIUM  
LINGULA  
*Monotryppella*  
*Monticulipora*  
*Nematopora*  
PALAEOBOERA  
PARABOINELLA  
RHOMBOTRYPA  
TELLINA

**quadribrachiatus**

*Graptolites*  
*Graptolithus*  
TETRAGRAPTUS

**quadrifaratus (a)**

ECTOMARIA  
*Solenospira*

**quadrifurcatus**

LEPRALLA

**quadrifurcata**

*Atrypa*  
HYATTIDINA  
*Orthis*  
*Rhynchonella*

**quadrifida**

*Beyrichia*  
CERATOPSIS

**quadriginium**

CYATHOPHYLLUM

**quadrilatera**

*Leptaena*

**quadrilirata**

*Beyrichia*  
*Strepula*  
TETRADELLA

**quadrinucronatus**

ARTHOGRAPTUS  
*Diplograptus*  
GLOSSOGRAPTUS (ORTHOGRAPTUS)  
*Graptolithus*  
*Orthograptus*

**quadruplicata**

*Trematospira*

**quadrifurcata (um)**

AMMONITES  
CONULARIA  
LEPTOCERAS

**quaterius (um)**

*Fuomphalus*  
RAPHISTOMA

**quatsinoensis**

INOCERAMUS  
OLCOSTEPHANUS  
SCAPHITES

**quebecensis (e)**

CYRTOCERAS  
*Diamulites*  
*Diplotrypa*  
HALYSITES CATENULARIA  
LINGULA  
*Loganellus*  
MESOTRYPA  
*Metoptoma*  
ORTHIS  
PALAEBACMAEA

**quebecensis (e)**—Continued

PLEUROTOMARIA (EUCONIA)  
STRAPAROLLUS

**quenstedti**

OBOLUS

**quesneli**

*Lachnus*  
SRENAPHIS

**questum**

VACCINOPHYLLUM

**quilchenensis**

COMPTONIA  
PICEA  
RHAMNUS

**quincuncialis**

TECHNOPHORUS  
T. PUNCTOSIRIATUS

**quinquepartitus**

GLYPTOCRINUS

**quinquesinuatim**

PLATYCERAS

**racemosum**

TETRADIMUM  
TRIGONOCARPUM

**racinensis**

ZAPHRENTIS

**radicans**

*Ascodictyon*

**radiatulus**

ACROLOXUS

**radiatus (a)**

*Ambonychia*  
AMYGDALOCYSITES  
ANNULARIA  
*Asterophyllites*  
BYSSONYCHIA  
CARABOCRINUS  
*Cardiomorpha*  
CARDIOPSIS  
*Delthyris*  
EOSPIRIFER  
FAVOSITES  
*Polygnathus*  
RHYTMYA  
SPIRIFER (EOSPIRIFER)  
*S. plicatella*  
STROPHOMENA  
TRIPLECIA

**radicans**

*Crania*  
PRIONODUS  
STROPHALOSIA

**radiciformis (e)**

*Ascodictyon*  
FAVOSITES  
VINELLA

**radiculum**

CHONOPHYLLUM  
*Cyathophyllum*

**radioplicatum**

LEPIDODENDRON

**raena**

SALLX

**rafinesqui**

LEIOPTERIA

**ramifer**

*Calamites*

**ramocissima**

PINNULARIA

**ramosus (a, um)**

AMMONITES  
CALAMITES  
*Cephalotaxopsis*

**ramosus (a, um)**—Continued

*Cladograpsus*  
DICRANOGRAPTUS  
ESCHAROPORA  
FISTULIPORA  
*Graptolithus*  
LICHENALIA  
*Murchisonia*  
PHYLLOCEBRAS  
ROBBERIA

**ramsayi**

EUCONIA  
PLEUROTOMARIA

**ramulosus**

ALVEOLITES  
*Archaeocrinus*  
GLYPTOCRINUS  
*Graptolithus*  
*Limaria*  
SYRINGOPORA

**ramulus**

*Dichograpsus*  
*Diplograptus*  
TEMNOGRAPTUS

**rana**

*Calymene bufo*  
PHACOPS

**rapax**

ENDOCERAS  
*Orthoceras*

**raphanus**

GOMPHOCERAS  
POTERICERAS

**rapheidolabis**

MACROPETALICHTHYS

**raptor**

ORTHO CERAS

**raquinianus**

AMMONITES

**raricosta**

DELTHYRIS  
*Spirifer*  
*Surcula*

**raricostatus**

*Cryptonymus*  
ENCRINURUS  
*Surcula*

**rarinervis**

*Neuropteris*  
*Thyrsopteris*

**rarispinosum**

PLATYCERAS

**rarispinum**

PLATYCERAS DUMOSUM

**rarus (a)**

BATHYURELLUS  
CIMOLOPTERYX  
MOLLISONIA  
PROTOCARDIA

**rayi**

*Columnopora*

**rectangularis**

DIPLOGRAPTUS  
FAVOSITES  
*Monticulipora*

**rectangulus**

SPRIFER

**recticameratum**

ORTHO CERAS

**rectilateralis**

LINGULA (PSEUDOLINGULA)

**rectilinea**

CYSTODICTYA

LIST OF SPECIFIC NAMES

**rectus (a, um)**  
*Cyathophyllum*  
 CYMATONOTA  
 DICRANOGRAPTUS  
*Esharopora*  
 GERVILLIA  
 HYDROBIA  
*Leptaena*  
 MATHERIA  
*Modiolopsis*  
 NYASSA  
*Plaesiomys*  
*Ptilodictya*  
 RHYTIMYA  
 STREPTELASMA  
*Strophomena*  
 UNIO  
 ZAPHRENTIS

**recurva**  
 ANNULARIA  
 SPHENOPTERIS

**recurvatus**  
*Sassafras*

**recurvicornis**  
 MONOCLONIUS

**recurvifolium**  
*Sphenolepidium*

**recurvirostris (a)**  
*Anazyga*  
*Atrypa*  
*Rhynchonella*  
 ZYGOSPIRA

**rediviva**  
 AEGLENA

**redowski**  
 ECHINOSPERMUM

**reducta**  
 PENTHETRIA

**refulgens**  
*Monobolina*  
 OBOLUS

**regalis**  
*Actinocrinus*  
 OPABINIA  
 OSMUNDA  
 STROTOCRINUS

**regescens**  
 HELOPHORUS

**regius**  
 CLEIOCRINUS

**regularis (e)**  
 CERATOPORA  
 CLATHRODICTYON  
 CYRTOCERAS  
*Dianulites*  
*Diplotrypa*  
 MESOTRYPA  
 SUBULITES

**reichenbachi**  
*Araucarites*  
 GEINITZIA  
 SEQUOIA

**reineckei**  
 LEBEPHYLLUM

**remipes**  
 EURYPTERUS

**rémondi**  
 ANCYLOCERAS  
*Crioceras (Ancyloceras)*  
 PANOPAEA

**remota**  
 GRAMMYSIA  
 STRAPAROLLINA

**remotistriata**  
 EOTOMARIA

**remus**  
 ORTHOCERAS

**renauxianus**  
 FUSUS

**reniformis (e)**  
 DIDYMOPHYLLUM  
 MENISPERMITES  
 SIGILLARIA  
 STIGMARIA

**renulina**  
 PRIMITTA

**reparda**  
 PULVINULINA

**repens**  
*Alveolites*  
*Millepora*  
 ORTHOCERAS

**requienianus**  
 AMMONITES  
 SPHENODISCUS

**resecta**  
 NEUROPTERIS

**resinosa**  
 GAYLUSSACIA

**resupinoides**  
*Orthis*  
 SCHIZOPHORIA

**reticardinale**  
 SPHAERIUM

**reticularis**  
 ATHYRIS  
 ATRYPA  
*Anomia*  
*Terebratula*

**reticulatus (a, um)**  
 CHASMATOPORA  
*Cyathodictya*  
 CYATHOPHYCUS  
 EURYCHLINA  
 FAVOSITES  
*Intricaria*  
 JAUROPHYLLUM  
 LEPTAENA  
 PALESCHARA  
*Phylloporina*  
 PTILODICTYA  
*Receptaculites*  
 SCENELLA  
*Strophomena*  
*Subretopora*  
*Syringopora*  
 TURRITELLA

**retifera**  
 TUZOIA

**retiformis (e)**  
 CLATHRODICTYON  
 DICTYONEMA  
*Gorgonia*  
 STYLODICTYON  
 SYRINGOPORA

**retorquata**  
 NEUROPTERIS

**retrorsa (um)**  
 DINORTHIS (PLAESIOMYS)  
*Orthis*  
 PLATYCERAS

**retrostriata**  
 BUCHIOLA

**retusus (um)**  
 CIMOLOPTERYX  
 DIPLOTEGIUM

**reussiana**  
 ASTROCAENIA

**revelata**  
 SCIOMYZA

**reversus (a)**  
*Brachymerus*  
*Camarella*  
*Chonetes*  
 CHONOSTROPHIA  
 PARASTROPHIA  
*Pentamerus*

**rhabdocarpi**  
*Antholithes*  
 CORDALANTHUS

**rhaeas**  
 RHINEASTES

**rhamnifolia**  
 CORNUS

**rhamnoides**  
 JUGLANS  
 QUERCUS

**rhombicus**  
*Chaetetes*  
 LEPTOPHLEUM

**rhombiferus (a)**  
*Cyathocrinus*  
 PALAEOCRINUS  
 RETEPORINA

**rhombifolia**  
*Thyrsopteris*

**rhomboidalis**  
*Anomites*  
*Conchita*  
*Leptaena*  
 LEPTAENA  
 MEGALODON  
*Plectambonites*  
*Strophomena*

**rhomboideus (a, um)**  
*Avicula*  
 LEPTODESMA  
 MODIOLOPSIS  
 PHYLLETES  
 SPHAERIUM

**rhomboides**  
 SAXICAVA RUGOSA

**rhynchonelliformis**  
*Orthis*  
*Rhipidomella*  
 RHIPIDOMELLA UBERIS

**richardsoni**  
 ACTINOCERAS  
 AMBOCOBIA  
 AMMONITES  
*Aulophyllum*  
*Clonograptus*  
 CYATHOPHYLLUM  
 DICHOGRAPTUS  
 EOPTERIA  
*Graptolithus*  
 HOLOGRAPTUS  
 LEPIDOSTROBUS  
 LUCINA  
 LYCOPODITES  
*Martinia*  
 NUCULA  
 ORTHOCERAS  
 POPULUS  
*Rovilligraptus*  
*Spirifer*  
 SUBULITES

GEOLOGICAL SURVEY

**richmondensis (e)**

BYSSONYCHIA  
CORNULITES  
GIRVANELLA  
LEPTAENA  
PROTARAEA  
*Strephochetus*  
*Stromatocerium*  
*Tentaculites*

**riciniiformis**

LINGULA

**rictum**

PLATYCERAS

**rigidus (a, um)**

CLONOGRAFTUS  
*Columnaria*  
C. ALVEOLATA  
*Dichograpsus*  
*Graptolithus*  
ORTHO CERAS  
*Palaeasterina*  
PECOPTERIS  
PETRASTER  
PINUS

**rimosa (um)**

CLADOPORA  
LEPIDODENDRON  
*Rhynchonella*  
*Sagenaria*

**ringens**

BILUCULINA

**robbi**

CONOCEPHALITES  
CORDAITES  
PTYCHOPARIA

**roberti**

LINGULEPIS

**robertianus**

TURRILITES

**robsoni**

TRIPLEURO CERAS

**robustum**

PSILOPHYTON

**robustus (a, um)**

*Araucarites*  
*Atrypa*  
CALCISPHAERA  
CLADOPORA  
*Dekayella*  
*D. ulrichi*  
DERBYA  
DICTYONEMA  
LINGULEPIS GREGWA  
LOXONEMA  
LYCROPHYCUS  
MEGALOMPHALA  
*Pleurocystites*  
*P. squamosus*  
POLYPORA  
*Rhynchonella*  
RHYNCHOTRETA  
STREPTELASMA  
TEREBRATULA  
*Ulrichi*  
WALCHIA

**rockymontanus**

PUGNAX  
*Rhynchonella*  
*Spirifer*

**roemerana**

*Brachiospongia*

**roemeri**

ACERVULARIA  
*Alveolites*  
CLADOPORA  
*Eospongia*  
MERISTINA MARIA  
*Pentremites*  
SCHIZOBLASTUS  
ZAPHRENTIS

**rogata**

DALMANELLA

**rogersi**

ARCHAEOPTERIS  
CYCLOPTERIS (ARCHAEOPTERIS)  
EQUISETUM

**rogersianus**

SPHENOZAMITES

**rogoznicensis**

PECTEN

**romingeri**

*Asaphus*  
*Basilicus*  
CHEIRURUS  
CRANAENA  
FISTULPORA  
GYPIDULA  
*Huronia*  
*Ptychopyge*  
*Sphaerexochus*  
*Terebratula*

**rosaefolia**

RHUS

**rossi**

LOXONEMA

**rossmässleri**

*Cinnamomum*  
*Rhamnus*

**rostellata**

*Leda*  
NUCULANA

**rostratus (a)**

*Ammonites*  
*Atrypa*  
*Charionella*  
CORYLUS  
*Cyrtia*  
CYRTINA  
MERISTELLA

**rotalia**

PLEUROTOMARIA  
TREPOSPIRA

**rotula**

ANOMALINA

**rotulata (um)**

ACTINOCERAS  
CRISTELLARIA  
*Orthoceras*

**rotuliformis**

*Euomphalus*  
POLYGYRATA  
*Raphistoma*

**rotuloides**

PALAEOCYCLUS  
*Pleurotomaria*  
RAPHISTOMA

**rotundatus (a)**

ARALIA  
*Bellerophon*  
*Bucania*  
CLADOPHEBIS  
*Cypricardites*  
*Embolimus*  
MACLURITES  
*Megalomphala*  
VANUXEMIA

**rotundifolia**

DIOSPYROS  
DROSERA  
*Populus*  
*Sphenopteris*  
VITIS

**rotundispira**

PLEUROTOMARIA

**rotundus (a, um)**

ACTINOCRINUS  
HOLOPEA  
LINGULEPIS  
TRIGONOCARPUM

**royanus**

*Ammonites*

**rowi**

PROETUS

**royana**

PHOLADOMYA  
TELLINA

**rubripes**

PLATYNUS

**ruda**

MODIOLOPSIS

**rudis**

*Pachydictya (Rhimidictya)*

**ruedemanni**

*Dichyonema*  
*Diplograptus*

**rufa**

*Bela*  
MANGELA (BELA)

**rugata**

RAPHISTOMA

**rugatina**

*Delthyris*

**rugeri**

PLEUROCYSTITES

**rugicosta**

*Delthyris*  
SPIRIFER (DELTHYRIS)

**rugilineata**

*Euomphalus*  
POLEUMITA

**rugosus (a, um)**

ACERVULARIA  
ACTINOCRINUS  
ALNUS  
ATRYPA  
CHAETETES  
*Columnaria*  
*Cypricardites*  
CYRTODONTA  
CYTHERELLA  
*Cytheropsis*  
*Diphyphyllum*  
ERIDOPHYLLUM  
*Euomphalus*  
HUDSONASTER  
JUGLANS  
LEPERDITIA  
LOXONEMA  
MATHERIA  
MEGISTOCRINUS  
*Metoptoma*  
*Murchisonia*  
*Palaeastorina*  
*Palaeophyllum*  
*Primitia*  
PROTOPHYLLUM  
*Rhynchonella*  
SALTERELLA  
SAXICAVA  
STENO THECA

LIST OF SPECIFIC NAMES

**rugosus (a, um)**—Continued

STRAPAROLLUS (EUOMPHALUS)  
STROMATOCERIUM  
*Stromatopora*  
*Strophomena*  
TRACHYUM  
ZETHUS

**rugulosus (a)**

BRADORIA  
PARADOXIDES

**ruida**

DALMANELLA  
*Orthis*

**rusa**

NATICA

**russiensis**

BELEMNITES

**rusticus (a, um)**

DENDROCRINUS  
GRAMMYSIA  
ORTHIS  
*Pachydictya*  
*Petraia*  
POLYORA  
*Ptilodictya*  
STREPTELASMA

**rutellum**

ESCASONA

**rutilans**

POPULUS

**rutilus**

AMPYX  
*Lonchodomas*

**sabulosa**

MACOMA

**sacculus**

*Conchyliolithus ammonites*  
*Dielasma*  
*Terebratula*

**sacksei**

CALAMITES

**sacya**

AMMONITES  
LYTOCERAS

**saffordi**

*Bathyrurus*  
LLOYDIA  
*Rhynchonella*  
SPIRIFER (DELTHYRIS)  
WILSONIA

**sagensis**

INOCERAMUS

**sagittarius**

*Didymograptus*  
*Graptolithus*  
*Monograptus*

**sagittata**

AXINAEA

**sagitticaulis**

DIDYMOGRAPTUS

**sagittiformis**

AMISKWIA

**salinaria**

MONOTIS

**salinensis**

CONULARIA

**salisburya**

*Taxites*

**salteri**

*Amphion*  
BOPHOSPIRA  
CALLOGRAPTUS

**salteri**—Continued

CYCLOCYSTOIDES  
HORMOTOMA  
MENOCOPHALUS  
ORTHIS  
PLIOMEROPS  
SPHAEROCORYPHE  
STENASTER  
STRICKLANDINIA

**salva**

TRICOLOCAPSA

**sancta**

STEPHANELLA

**sanctae-crucis**

THRACIA

**sancti-pauli**

DALMANELLA

**sapotilla**

YOLDIA

**sappho**

CAMAROTOECHIA  
*Rhynchonella*

**saratogensis**

*Agraulis*  
PLETHOPELTIS  
*Ptychoparia*

**sarcophagus**

ALBERTOSAURUS

**sarsii**

OPHIOGLYPHA

**saskatchewensis**

SCIURUS

**saskatchuense**

*Nelumbium*  
NELUMBO

VIBURNUM

**satyrus**

*Ceraurus (Nieszkowskia)*  
*Cheirurus*

NIESZKOWSKIA

**saulii**

SIGILLARIA

**sauridens**

LOPHOPHYLLUM PROFUNDUM

*L. proliferum*

POTERICERAS

**saxea**

PIMPLA

**saxifragifolium**

SPHENOPHYLLUM

**saxigena**

BUPRESTIS

**sayca**

*Gaudryceras*

LYTOCERAS

**sayi**

MESODON  
ORTHO CERAS

PTEROSTICHUS

*Terebratula*

**scabiosa**

CRANIA

PETIGOPORA

**scalariformis (e)**

TENTACULITES

TROPHON

**scalaris**

CLIMACOGRAPTUS  
*Graptolithus*

LEPERDITIA

*L. gibbera*

**scammoni**

*Orthoceras*

**scapha**

NONIONINA

**scarabaeoides**

*Entomostracites*

*Olenus*

PELTURA

**scharenbergi**

CLIMACOGRAPTUS

**schaumburgensis**

NILSONIA

**scheuchzeri**

NEUROPTERIS

**schezeri**

STYLODICTYON

**schimperi**

JUGLANS

**schlotheimi**

*Apatokephalus*

*Macrocheilus*

ODONTOPTERIS

*Remopleurides*

ROBERGIA

SPHENOPHYLLUM

**schlotheimiana**

SIGILLARIA

**schmidti**

*Leperditia*

**schrenki**

PRODUCTUS

**schuchertanum**

BRACHYPRION

**schucherti**

BATHYURUS

ENDYMONIA

**scitulus (a)**

*Athyris*

*Atrypa*

*Cardium*

CHARIONELLA

CHONETES

*Leda*

*Meristella*

*Nucula*

*Pachydictya*

*Primitia*

PROTocardia

*Stictopora*

YOLDIA

**scobina**

*Rhynchonella*

*R. neglecta*

**scobiniforme**

*Lepidodendron*

**scofieldi**

CFENODONTA

*Tellinomya*

**scoparius**

DENDROCRINUS (HOMOCRINUS)

*Homocrinus*

LASIOCRINUS

**scotti**

MYRICA

**scripta**

LINA

**serbiculoides**

*Astrocalamites*

**serotina**

PINUS

GEOLOGICAL SURVEY

|  |   |   |
|--|---|---|
| <b>scrutator</b><br>BRADORIA<br>BRADORONA<br>NILEUS  | <b>selwyni</b><br><i>Alveolites</i><br>CEREPSIS<br>COENITES<br>GONIOGRAPTUS THUREAUI<br>LEPERDITA<br>LINGULA<br>LINGULELLA<br>NEUROPTERIS<br>ORTHO CERAS<br>PRASOPORA<br>SASSAFRAS<br>STROMATOPORELLA<br><i>Trachodon</i><br>TRICOLOCAPSA   | <b>senectus (a, um)</b> —Continued<br>PROTYPUS<br>UNIO<br><b>senescens</b><br>LONCHAEA<br><b>senilis</b><br>HETEROMYZA<br><b>sensibilis</b><br>ONOCLEA<br><b>sentosa</b><br>ZAPHRENTIS<br><b>separanda</b><br>PENTHETRIA<br><b>separata</b><br>POLYORA<br><b>septemnotatus</b><br>PROTICHNITES<br><b>septentrionalis</b><br>AMBONYCHIA<br>MONOTIS<br>RAPHISTOMA<br>RETICULARIA<br>TEREBRATULINA<br><b>septentrionis</b><br>PATROBUS<br><b>septore</b><br><i>Cyrtoceras</i><br><i>Gomphoceras</i><br>SEPTAMEROCERAS<br><b>sepulta</b><br>BOLETINA<br>BUPRESTIS<br>PECOPTERIS (CHEILANTHES)<br><b>sera</b><br>ACROTHYRA SIGNATA<br><b>seranonis</b><br>AMMONTES<br><b>seriatoporus</b><br>ALVEOLITES<br><b>sericetus (a)</b><br><i>Leptaena</i><br>PLECTAMBONITES<br><i>Strophomena</i><br>TRICHOSPONGIA<br><b>serli</b><br>ALETHOPTERIS<br><i>Pecopteris</i><br><b>serotina</b><br>HELICOTOMA<br><b>serpens</b><br>AULOPORA<br><b>serpentina</b><br><i>Terebratula</i><br><b>serpularis</b><br>CORNULITES<br><b>serra</b><br><i>Fucoides</i><br><i>Graptolithus</i><br>TETRAGRAPTUS<br><b>serratulus</b><br>DIDYMOGRAPTUS<br><i>Graptolithus (Monoprion)</i><br><b>serratus (a, um)</b><br>MURCHISONIA<br>MYRICA<br>NEOLENUS<br><i>Ogygia</i><br>POLYGNATHUS<br>RHAMNUS<br>ZANTHOXYLUM |
| <b>sculptilis</b><br>DELTHYRIS<br>LINEARIA<br><i>Spirifer</i><br>TELLINA<br><b>sculpturata</b><br>CYTHEREA<br><b>sculptus</b><br>CLEIOCRINUS<br><b>scutata</b><br>LEMNA<br>SPIRODELA<br><b>scutella</b><br><i>Rhytidolepis</i><br>SIGILLARIA (RHYTIDOLEPIS)<br><b>scutiger</b><br>LEPIDOCALAMUS<br><b>scutigerus</b><br>ASTEROPHYLLITES<br><b>scutum</b><br>COLLISELLA PATINA<br><b>secalinus</b><br><i>Diplograptus</i><br><i>Fucoides</i><br><b>sectenicum</b><br><i>Camopophyllum</i><br><b>secticornus</b><br><i>Cryptolithus</i><br><b>sectus</b><br>HYDROPORUS<br><b>securiformis</b><br>MODIOLOPSIS<br>WHITTELLA<br><b>sedens</b><br>ORNITHOMIMUS<br><b>sedgwicki</b><br>ACTINOCERAS<br>MENOCEPHALUS<br>MONOGRAPTUS<br><i>Orthoceras</i><br><b>seelyi</b><br><i>Bathyurus</i><br>BOLBOCEPHALUS<br><b>segnis</b><br>CHAMOPES<br><b>selaginoides</b><br><i>Lepidodendron</i><br><b>selectus (a)</b><br><i>Dikelocephalus</i><br><i>Petraia</i><br>PLEUROTOMARIA (EOTOMARIA)<br>PTYCHASPIS<br>STREPTELASMA<br><b>selenecephala</b><br>CALYMENE<br><b>selenurus</b><br>DALMANITES<br><i>Odontocephalus</i><br><b>selkirkensis (e)</b><br><i>Dianulites</i><br>MESOTRYPA<br>ORTHO CERAS<br><b>sella</b><br>CAMAROPHORIA<br>MEBKIA<br><b>selloni</b><br>KNORRIA | <b>selvynianus (um)</b><br><i>Ammonites</i><br>DESMOCERAS<br>MEGACEROPS<br>MENODUS<br><b>semele</b><br>RHIPDOMELLA<br><b>semicarinata (um)</b><br><i>Cyclonema</i><br>GYRONEMA<br><b>semicinctus</b><br>LEPTOMERYX<br><b>semicoalita</b><br>SERPULA<br><b>semicostatus</b><br>AMPYX<br><i>Lonchodomas</i><br>TROCHACTAEON<br><b>semielliptica</b><br><i>Quercus</i><br><b>semilunata</b><br>BOLLIA<br><b>seminulua (um)</b><br>CARPOLITHES<br>QUINQUELOCULINA<br><b>semiovalis</b><br><i>Strophomena</i><br>STROPHOMENA<br><b>semiplanata (um)</b><br>JOVELLANIA<br><i>Orthoceras</i><br>THRACIA<br><i>Tripteroceras</i><br><b>semiplicata</b><br>CRUZIA<br><b>semipolita</b><br>DISCINA<br><b>semiradiata</b><br>ANATINA<br><i>Cercomya</i><br><b>semireticulatus</b><br>PRODUCTUS<br><b>semisculptus</b><br>BELLEROPHON<br><b>semistriata (um)</b><br>CYMATONOTA<br><i>Orthodesma</i><br><b>semisulcatus</b><br>AMMONTES<br><b>senaria</b><br>CALYMENE<br><i>Calymene blumenbachii</i><br><b>senecaense</b><br><i>Cystiphyllum</i><br><b>senectus (e, um)</b><br><i>Bathyurus</i><br>PIMPLA |   |

LIST OF SPECIFIC NAMES

|   |   |  |
|---|---|--|
| <b>serrulata</b><br>FLUSTRA<br>LOPHOSPIRA<br><i>Murchisonia</i><br><i>Neuropteris</i><br><i>Pecopteris (Aspidites)</i>  | <b>sigillariae</b><br>TRIGONOCARPUM<br>XYLOBIUS   | <b>simplicitas</b><br>SIGILLARIA   |
| <b>serrulus</b><br>HAUSMANNIA CONCINNA  | <b>sigillarioides</b><br>HALLOPORA  | <b>simpsoni</b><br><i>Endoceras (Narthecoceras)</i><br>GONIOBASIS<br>NARTHECOCERAS<br><i>Orthoceras</i><br>PLEUROTOMARIA   |
| <b>servile</b><br><i>Orthoceras</i><br>TRIPTEROCERAS  | <b>sigillata</b><br>PRIMITIA  | <b>simulans</b><br>ORTHONOTA   |
| <b>sesostris</b><br><i>Dicelloccephalus</i><br><i>Dikelocephalus</i><br>PTYCHASPIS  | <b>sigmoidea</b><br><i>Cypricardites</i><br><i>Cyrtodonta</i><br>WHITTELLA  | <b>simulator</b><br>FUNELLA<br>ILLAENUS<br><i>Terebratula</i>  |
| <b>setaceus</b><br>GLOSSOGRAPTUS<br><i>Graptolithus</i>   | <b>sigmoides</b><br>ONYCHODUS   | <b>simulatrix</b><br><i>Batosmella</i><br>CTENODONTA<br>ERIDOTRYPA<br>HORMOTOMA<br><i>Monticulipora</i><br><i>Murchisonia</i><br>PANOPAEA<br>PRASOPOEA   |
| <b>seticornus</b><br>TRINUCLEUS   | <b>signata</b><br>ACROTHYRA   | <b>simum</b><br>ARCTOTHERIUM   |
| <b>setigerus (a)</b><br><i>Canadia</i><br>RETICULARIA<br><i>Spirifer</i>  | <b>silesiaca</b><br>PECOPTERIS  | <b>sincera</b><br>VALVATA  |
| <b>sexmaculata</b><br>PROMETOPHA  | <b>siliqua</b><br>CARPOLITHES<br><i>Cytheropsis</i><br>MACROCYPRIIS   | <b>singletoni</b><br><i>Spirigera</i>  |
| <b>sextans</b><br>DICELOGRAPTUS<br><i>Dicranograptus</i><br><i>Didymograptus</i><br><i>Diplograptus</i><br><i>Graptolithus</i>  | <b>sillimani</b><br>PECOPTERIS  | <b>sinistrorsa</b><br>SPIRORBIS  |
| <b>shafferi</b><br>ARTHROPOREA  | <b>siluriana</b><br>STROMATOPORA  | <b>sinuata (um)</b><br>ANATINA<br><i>Cypricardites</i><br>CYRTOCRAS<br><i>Delthyris</i><br>EATONIA<br><i>Euomphalus</i><br><i>Hebertella</i><br>H. OCCIDENTALIS<br>MODIOLOPSIS<br>PLATYCERAS<br>PSILOCONCHA<br>PSILONYCHIA<br><i>Orthis occidentalis</i><br>STRAPAROLLUS<br><i>Strophomena</i> |
| <b>shastensis</b><br>FICUS  | <b>siluriense</b><br>ASCODICTYON<br>CYSTIPHYLLUM  | <b>sinuosus (a)</b><br>HOPLITES<br>LEPTAENA  |
| <b>shelbiensis</b><br>BELLEROPHON   | <b>simcoense</b><br>DIPHYPHYLLUM (ERIDOPHYLLUM)<br><i>Eridophyllum</i><br>SYNAPTOPHYLLUM  | <b>siphonatus</b><br><i>Glyptaster</i><br><i>Glyptocrinus</i>  |
| <b>shephardi</b><br><i>Spirifer</i>   | <b>sinensis</b><br>SPFRIFERINA  | <b>sipo</b><br><i>Acrotreta</i>  |
| <b>sherzeri</b><br>STYLODICTYON   | <b>similis</b><br>AGNOSTUS<br>CRUZIANA<br>CYCLAS<br>DENDROCRINUS<br>DIDYMOGRAPTUS<br><i>Graptolithus</i><br>HOMOTRYPA<br><i>Phyllograptus</i><br>TETLAGRAPTUS<br>XYLOBIUS   | <b>siskiyouensis</b><br>MODIOLA  |
| <b>shumardi</b><br>AMPLEXUS<br>CONOCEPHALITES<br>CUCULLAEA<br>DIAPHOROSTOMA<br>ENCHODUS<br>ORTHOCERAS<br>PLATYOSTOMA<br>PROTocardia<br>TURBINOPSIS<br><i>Turbo</i><br><i>Zaphrentis</i> | <b>similkamecna</b><br>PENTHETRIA   | <b>sitchensis</b><br>PTERIS  |
| <b>shumardiana</b><br>LUNATA  | <b>similkamecense</b><br>EQUISETUM  | <b>sitchina</b><br>LITTORINA   |
| <b>sibirica</b><br>GINGKO<br><i>Salisburya</i>  | <b>simillima</b><br>ARCA<br>NEMODON   | <b>skagitensis</b><br>CLADOPHLEBIS   |
| <b>sibyllae</b><br>NAUTILUS   | <b>simplex</b><br>ARCHINACELLA<br>AZYGOGRAPTUS<br>CALAMITES<br>CORDAITES<br>CYRTOCERAS<br><i>Dendrograptus</i><br>ECTENOCRINUS<br><i>Fucoides</i><br>GOREPHEMERA<br>HALYSIES CATENULARIA<br><i>Heterocrinus</i><br><i>Lepidodendron</i><br>MASTIGOGRAPTUS<br><i>Metoptoma</i><br>MURCHISONIA<br>ONCHOMETOPUS<br><i>Strepula quadrilata</i><br>TETRADELLA<br>WIMANELLA | <b>skidegatensis</b><br><i>Ammonites</i><br>BELEMNITES<br><i>Cerithium</i><br>MELINA<br>OSTREA<br>PERISPINCITES<br>PLEUROTOMARIA<br>TELLINA<br>TEREBRATULA<br>TROCHACTAEBON  |

GEOLOGICAL SURVEY

**smithi**

*Bathyrus*  
*Chonetes*  
HAPLOCONUS  
NEUROPTERIS  
POROCRINUS

**smittiana**

SEQUOIA

**socialis (e)**

ACROTRETA  
AGRAULOS  
BOTRYLLOPORA  
CTENODONTA  
CYTHERODON  
*Dictyonema*  
*Graptopora*  
*Pecopteris*  
*Tellinomya*  
UINTEGRINUS

**sol**

*Cheirus*  
HELIOMERA

**sola**

*Orthis*  
RHIPIDOMELLA

**solarioides**

*Pleurotomaria*  
PYCNOMPHALUS  
*Straparollus*

**solenoides**

ORTHONOTA  
SPHENOTUS

**solida**

ZAPHRENTIS

**solitarius (a)**

*Athyris*  
*Bathyrus*  
BELLEROPHON  
CERRAURUS  
*Cheirus*  
CYATHOPHYLLUM  
*Discina*  
HAMINEA  
HETEROTRYPA  
LLOYDIA  
NEREIDAVUS  
*Nucula*  
PYRAMIDULA  
WHITFIELDIA

**solivaga**

HYALOSTELLA

**solutus (a)**

LOXOPLOCUS  
*Murchisonia*

**solvensis**

MODIOLOPSIS

**somnolenta**

INOCELLIA

**sordidus (a, um)**

*Leptaena*  
LEPTELLA  
LINGULA  
MACLURITES  
*Ophileta*  
ORTHOCERAS  
*Straparollus*

**soretti**

NEUROPTERIS

**sororcula**

LOPHOSPIRA  
*Murchisonia*

**sowbeyi**

CONULARIA

**spadicea**

CYPRAEA

**sparsus (a, um)**

CANADIA  
DIPLOCLEMA  
*Heliolites*  
PLASMOPORA  
PROTICHNITES

**spaskii**

CYCLOCRINITES  
*Cyclocrinus*  
PASCEOLUS

**spatiosa**

ZAPHRENTIS

**spatulata**

LINGULA  
*Sphenopteris*

**speciosus**

CARDIUM  
ETNEMA  
*Glyptocardia*  
GYRONEMA  
*Heliolites*  
LEPTOMERYX  
LYBLLIA  
MACLURITES  
NUCULA  
ORTHONOTA  
POPULUS  
*Propora*  
ULNUS

**spectabilis**

*Ficus*  
PTEROSPERMITES

**spenceri**

CYATHOPHYLLUM  
PLEUROTOMARIA

**sphaerocephalia**

THEOCAMPE

**sphaeroidalis (e)**

ACTINOCERAS  
HINDIA  
*Huronia*

**sphaeroides**

*Orthoceras (Huronia)*

**sphenoceras**

MONOCLONIUS

**sphenophylloides**

ANNULARIA

**sphenopteroides**

*Cladophlebis*

**spicatus**

CARPOLITES  
PRIONODUS

**spillmani**

*Gyrodos*

**spiniferus (a, um)**

ACANTHOCERAS  
A. STOLICZKANUM  
AMMONITES STOLICZKANUS  
CLIMACOGAPTUS  
*C. typicalis*  
*Cypriocardites*  
CYRTODONTA  
MOLARIA

**spiniger**

*Acidaspis*  
BATHYURUS  
DIKLOCEPHALUS

**spinigerus (a)**

GILBERTOCRINUS  
OLLACRINUS

**spiniporus**

HELIOLITES

**spinosus (a)**

ARCHMINA  
ATRYPA  
*Beyrichia*  
BRADORONA SPECTATOR  
CANADIA  
*Conocephalites gemini*  
*Cytherina*  
*Embolinus*  
*Graptolithus*  
HELICOTOMA  
*Palaeocoma*  
PRODUCTUS  
TAENIASTER  
TRIARTHURUS

**spinulicosta**

PRODUCTELLA

**spinuliferus (a)**

FISTULIPORA  
SPIRORBIS

**spinulosus (a)**

*Aspidopora*  
*Diplograptus*  
*Glossograptus*  
OPHTACANTHA  
PRODUCTUS

**spiralis**

ECCYLIONPHALUS  
VALLESNERIA

**spiraefolia (um)**

FAGARA  
ZANTHOXYLUM

**spiriferoides**

ATHYRIS  
*Spirifer*  
*Terebratula*  
TRIPLECIA

**spirillum**

SPIRORBIS

**spirolobus**

NAUTILUS

**spissus (a)**

*Lingulella*  
OBOLUS (LINGULOBUS)  
*Sphaerobolus*

**spitzbergensis**

SIPHO

**splendens**

DICTYONEMA  
MARBELLA  
OLIGOCARPIA  
*Serpulites*  
SPHENOPTERIS

**splendida**

CONULARIA

**spongioides**

*Solenopora*

**sponsa**

PLEUROTOMARIA

**spurri**

ACROTHELE

**squalidens**

HYLASTES  
PHLOCOSINUS

**squalidus**

*Saxidomus*

**squamiformis**

*Craniops*  
*Orbicula*  
PHOLIDOPS

**squamiger**

*Odontopteris*



LIST OF SPECIFIC NAMES

|  |  |  |
|--|--|--|
| <b>squamosus (a)</b><br>ALVEOLITES<br><i>Antholithes</i><br><i>Athyris</i><br>CLEIOTHYRIDINA<br><i>Cleiothyris</i><br>CORDAIANTHUS<br>ENTOSOLENIA<br>LEPIDOSTROBUS<br>MYALINA<br><i>Odontopteris</i><br>PLEUROCYSTITES | <b>stigmosa</b><br><i>Bucania</i><br><b>stillicidi</b><br>ARPEDIUM<br><b>stiria</b><br>DÓNACIA<br><b>stiriacus</b><br>OXYFORUS<br><b>stiricidi</b><br>GEODROMICUS<br><b>stokesi</b><br>COLUMNARIA (PALAEOPHYLLUM)<br><i>Diphyphyllum</i><br><i>Lithostrotion</i><br><i>Omphyma</i><br>PALAEOCRYSTES<br>PTYCHOPHYLLUM<br>ZAPHRENTIS | <b>striatus (a, um)</b> —Continued<br>OXYDISCUS<br>PALAEOCRINUS<br><i>Porcellia</i><br>PTERINEA<br>PTILOPORA<br>PTYCHOPHYLLUM<br>RETEPORINA<br>SIGILLARIA<br><i>Spirifer</i><br>SPIRIFER<br>STROMBODES<br><i>Strophomena</i><br>STROPHONELLA |
| <b>squamula</b><br>RAPINESQUINA<br><i>Strophomena</i>  |  | <b>stricklandi</b><br><i>Rhynchonella</i><br><i>Terebratula</i><br>UNCINULUS   |
| <b>stagnalis</b><br>LIMNAEA  |  | <b>strictinervis (e)</b><br><i>Anglopteridium</i><br><i>Pecopteris</i>   |
| <b>stali</b><br>GERRIS<br><i>Hygrotrechus</i><br>TELMATRECHUS  |  | <b>strictispiralis</b><br>BEYRICHIA TUBERCULATA  |
| <b>stamineus (a, um)</b><br><i>Delthyris</i><br>PLEUROTOMARIA<br>RAPHISTOMA<br><i>Scalites</i><br>TAPES  | <b>stokesiana</b><br>PLEUROTOMARIA   | <b>strictum</b><br>DIPHYPHYLLUM<br><i>Eridophyllum</i>   |
| <b>stanleyanum</b><br>DRYOPHYLLUM  | <b>stolizkanus</b><br><i>Ammonites</i><br>HOPITES  | <b>strigata (um)</b><br>ORTHO CERAS<br>TELLINA   |
| <b>stantoni</b><br>CASTALIA  | <b>stolonifera</b><br>REPTARIA   | <b>strigilecula</b><br>OSTREA  |
| <b>steenstrupiana</b><br>PINUS   | <b>stoneanus (a)</b><br><i>Lingulella</i><br>OBOLUS (WESTONIA)   | <b>strigillata (um)</b><br><i>Eunema</i><br>TROCHONEMA (EUNEMA)  |
| <b>stegops</b><br><i>Isotelus</i>  | <b>stonemani</b><br><i>Bathyrurus</i><br>PROETUS   | <b>strigosa</b><br>GLAUCONOME<br><i>Helopora</i>   |
| <b>stellaris</b><br>ACTINOCRINUS<br>RETEOCRINUS  | <b>stramineum</b><br><i>Diphyphyllum</i><br>SYNAPTOPHYLLUM   | <b>strophomenoides</b><br><i>Orthis</i><br><i>O. lenticularis</i><br>ORTHOSTROPHIA   |
| <b>stellatus (a, um)</b><br>ANNULARIA<br><i>Ascodictyon</i><br><i>Columnaria</i><br><i>Favosites</i><br>LICHENALIA<br><i>Palaeasterina</i><br>PALAEOFAVOSITES<br>PINAEOTRYPA<br>SCHUCHERTELLA                          | <b>strangulatum</b><br>ORTHO CERAS   | <b>subaculeatus (a)</b><br>DOLATOCRINUS<br>PRODUCTELLA   |
| <b>stelleri</b><br>RHYTIMA   | <b>strenuus (a)</b><br><i>Agraulos</i><br><i>Bathyrurus</i><br>LLOYDIA<br>STRENUBELLA  | <b>subalpinus</b><br>AMMONITES   |
| <b>stellifera</b><br>MEEKOPORA   | <b>striaecosta</b><br><i>Ambonychia</i><br>PTERINEA  | <b>subangulatus (a)</b><br><i>Cypricardites</i><br>CYRTODONTA<br><i>Edmondia</i><br><i>Palaearca</i><br>RHOMBOPORA   |
| <b>stelliformis</b><br><i>Codonites</i><br>OROPHOCRINUS<br><i>Pentremites</i>  | <b>striatella (um)</b><br>CLATHRODICTYON<br>HELIX  | <b>subannulata (um)</b><br>ENDOCERAS<br>RHOMBOPORA   |
| <b>stemmatum</b><br>SYNPHORIA  | <b>striaticulmis</b><br><i>Phytolithus</i>   | <b>subaretica</b><br>FENESTELLA  |
| <b>stenolophus</b><br>MESOIPPUS  | <b>striatomarginata</b><br>EURYCHILINA   | <b>subarcuatus (um)</b><br>MYTILUS<br><i>Orthoceras</i>  |
| <b>stenoneura</b><br><i>Taeniopteris</i>   | <b>striatopora</b><br><i>Helopora</i><br><i>Nematopora</i><br>THAMNISUS  | <b>subattenuatus</b><br>SPIRIFER   |
| <b>stenopsis</b><br>CIONODON   | <b>striatula</b><br><i>Leda</i><br><i>Orthis</i><br>SCHIZOPHORIA<br>YOLDIA   | <b>subcaespitosum</b><br>CRASPEDOPHYLLUM<br>CREPIDOPHYLLUM<br><i>Heliophyllum</i>  |
| <b>stenoptera</b><br>ANCHURA<br><i>Rostellaria</i>   | <b>striatus (a, um)</b><br>ARACHNOPHYLLUM<br>ASTARTE BANKSI<br>BYTHOPORA<br>CODONOCHEILUS<br>COSCIINIUM<br><i>Cyathocrinus</i><br>DENDROGRAPTUS<br>ECHINOCRINUS<br><i>Favastraea</i><br><i>Leptaena</i><br>MARGARITA<br><i>Modiolopsis</i>   | <b>subcancellata (um)</b><br><i>Orthoceras</i><br>PINNA  |
| <b>sternbergi</b><br>HEDRONCHUS<br>LEPIDODENDRON   |  | <b>subcarinata</b><br><i>Cypricardites</i><br>CYRTODONTA<br><i>C. huronensis</i>   |
| <b>stevensoni</b><br>BETULA  |  |  |

GEOLOGICAL SURVEY

**subcarinata**—(Continued)

DALMANELLA  
HORMOTOMA

**subcava**

FISTULIFORA

**subcentrale**

ORTHO CERAS

**subcircularis**

*Inoceramus proximus*  
Lucina  
MONOTIS  
PSEUDOMONOTIS

**subclavatus (a)**

*Arianelus*  
KEITHIA

**subcompressus (a, um)**

ANISOCERAS  
*Hamites*  
MYACITES  
*Pleuromya*

**subconica**

*Acrotreta*  
CLATHROSPIRA  
MURCHISONIA  
*Pleurotomaria*

**subcostatus (a)**

*Buccinites*  
MACROCHILINA

**subcostrarius**

AMMONITES

**subcostulatum**

*Barrandoceras*

**subcrassus**

*Actinocrinus*  
*Heterocrinus*  
LOCRINUS

**subcuneata**

ODONTOPTERIS

**subcylindrica**

ANATINA  
HYDRORIA  
LEPERDITIA  
MACROCYPRIIS

**subdecussatus**

SPIRIFER

**subdemissa**

STROPHOMENA

**subduplicata**

LIMA

**subelliptica**

*Avicula*  
PLEUROMYA  
PROLOBELLA  
SPATHELLA

**subelongatus (a)**

*Loxonema*  
PHOLADOMYA  
SUBULITES

**subemarginata**

TELLINOFSIS

**suberecta**

BYSSONYCHIA  
PLETHOCARDIA

**subfurcatus (um)**

DIPLOTHMEMA  
*Hymenophyllites*  
*Sphenopteris*

**subfusiformis**

FUSISPIRA  
*Murchisonia*  
*Subulites*

**subgibbosa**

AVICULA  
PIERIA  
P. LINGUIFORMIS

**subglobosus (a, um)**

*Avellana*  
BELLEROPHON  
SCAPHITES  
STROPHOSTYLUS

**subgracile**

GOMPHOCERAS

**subinticularis**

*Polycope*  
SCHMIDTELLA

**subimbricata**

MODIOLA  
*Volsella*

**sublaevis**

*Conchicolites (Ortonia)*  
CORNULITES (ORTONIA)  
*Ortonia*  
VENUS

**sublamellosa**

CYPRICARDINIA

**sublaxa**

HORMOTOMA  
H. GRACILIS

**sublenticularis**

SCHMIDTELLA

**sublineata**

*Martinia*  
SPIRIFER

**submanillatum**

GYRO CERAS

**submarginata**

POLYFORA

**submersus**

SPIRIFER (DELTHYRIS) SULCATUS

**submodiolaris**

*Lyonsia*  
MODIOLOPSIS

**submucronatus**

SPIRIFER

**subnasuta**

CTENODONTA

**subnodosa (um)**

BUPHOTREPHIS  
*Callopora*  
HALLOPORA  
PLATYCERAS

**suboblonga**

*Lingula*

**suborbicularis**

*Alveolites*  
KELLIA

**suborbiculatum**

PERIPLOMA

**suborbifera**

CORNUS

**subovalis**

PANOPAEA  
PSILONYCHIA

**subovatus (a)**

CTENODONTA  
*Cypricardites*  
GLASSIA  
KEFERSTEINIA  
*Megalodon*  
NUCULITES

**subplanus (a)**

*Avicula*  
CYRTOLITES

**subplana (us)**—Continued

DISCINA TENULLAMELLATA  
HALLOPORA  
LEIOPFERIA  
*Leptaena*  
ORBICULOIDEA  
*Pterinea*  
SCHUCHERTELLA (LEPTAENA)  
STREPTORHYNCHUS  
*Strophomena*

**subquadratus (a)**

ASPIDERETES  
*Athyris*  
COMPOSITA  
DINORTHIS (PLAESIOMYS)  
*Orthis*  
*Plaesiomys*  
*Platystrophia*  
PROTOCARDIA  
*Seminula*

**subrecta**

ESCHAROPORA  
*Ptilodictya*  
ZAPHRENTIS

**subretroflexa**

*Avicula*

**subrotunda**

ARCHINACELLA  
LEPERDITIA  
POPULUS

**subrugosus (a)**

*Euomphalus (Straparollus)*  
*Straparollus (Euomphalus)*

**subscitula**

OENE  
TELLINA

**subsidua**

ACROTHELE  
*Acrotreta*

**subsimile**

PROTOCARDIA

**subspatulatus (a)**

BARROISELLA  
*Cypricardites*  
LINGULELLA  
*Lyonsia*  
*Modiolopsis*  
*Palaearca*  
PROLOBELLA  
UNIO

**subspinosum**

EUNEMA  
PLATYCERAS

**substriata**

MONOTIS  
*Pseudomonotis*

**subsulcatus**

SPIRIFER (DELTHYRIS)

**subtenta**

*Hemipronites*  
*Leptaena*  
*Streptorhynchus*  
*Strophomena*  
S. PLANUMBONA  
*S. rugosa*

**subtenuis**

DIDYMOGRAPTUS  
*Graptolithus*  
*Leptograptus*

**subtilis (e)**

FISTULIFORA  
LIOCLEMA

LIST OF SPECIFIC NAMES

|   |  |   |
|---|--|---|
| <b>subtilita</b><br><i>Athyris</i><br>COMPOSITA<br><i>Seminula</i><br><i>Spirifer</i><br><i>Spirigera</i><br><i>Terebratula</i>   | <b>suculensis (e)</b> —Continued<br>LINARIA<br>LYSIS<br><i>Mesotoma</i><br>NAUTILUS<br>PACHYDISCUS<br>RHYNCHONELLA<br><i>Stomatia</i><br>SURCULA<br>TEREDO<br>VANIKOROPSIS   | <b>superbus (a, um)</b> —Continued<br><i>Spirifer</i><br><i>Trematopora</i>   |
| <b>subtortuosa</b><br>GONIOBASIS<br>LIOPLAX<br><i>Melania</i><br>THRACIA  | <b>suckowi</b><br>CALAMITES  | <b>superlata</b><br>LEANCHOILIA   |
| <b>subtransversa</b><br><i>Prosserella</i><br>RETICULARIA   | <b>suessana</b><br>BRACHIA<br><i>Meganteris</i><br><i>Rensselaeria</i>   | <b>superstes</b><br>DIDYMOGRAPTUS   |
| <b>subtrapeziformis</b><br>CYPRINA  | <b>sufflata</b><br>TEREBRATULA<br>T. SACCULUS  | <b>supracingulata</b><br>EOTOMARIA<br><i>Pleurotomaria</i>  |
| <b>subtrigona</b><br>CALLISTA<br>CARYATIS<br>CYTHEREA<br>FISTULIPORA<br>LICHENALIA  | <b>sulcataria</b><br>TRIGONIA  | <b>supragibbosus</b><br>UNIO  |
| <b>subtrigonalis</b><br>CORBULA<br>EICHWALDIA<br>EUOMPHALUS<br><i>E. circularis</i><br>OSTREA   | <b>sulcatinus (a, um)</b><br>ANATINA<br><i>Bellerophon</i><br>BUCANIA<br>NEMODON   | <b>surati</b><br>MELANIA  |
| <b>subtruncata</b><br><i>Cypriocardia</i><br><i>Cyrtodonta</i><br><i>Edmondia</i><br><i>Orbicula</i><br>PHOLIDOPS<br>WHITELLA   | <b>sulcatus (a, um)</b><br>ACTINOCERAMUS<br>ASTARTE<br>AULOCOPHYLLUM<br><i>Beatricea</i><br><i>Columnaria</i><br><i>Coscinopora</i><br><i>Cyclonema</i><br>CYSTIPHYLLUM<br><i>Delthyris</i><br>EPTOSOLENIA<br><i>Euomphalus</i><br>GRAMMYSIA<br><i>Hemipronites</i><br>INOCERAMUS<br>LAGENA<br><i>Leptaena</i><br>MACHAERACANTHUS<br>POLEUMITA<br><i>Polytropis</i><br><i>Productus</i><br>PTILODICTYA<br>SPHAERIUM<br>SPIRIFER ( <i>DELTHYRIS</i> )<br><i>Streptorhynchus</i><br>STROPHOMENA<br>TRICERATOES | <b>surcularis</b><br>NEMAGRAPTUS GRACILIS<br><i>Stephanograptus</i>   |
| <b>subumbonatus</b><br><i>Helodus</i>   | <b>sulfifer</b><br><i>Productus</i>  | <b>susae</b><br><i>Asaphus</i><br><i>A. (Isotelus)</i><br><i>Onchometopus</i><br><i>Homotelus</i><br><i>Isotelus</i>                  |
| <b>subtubulatus</b><br>HELIOTES   | <b>subcomarginata</b><br>BEMBEXIA  | <b>susquaensis</b><br>PINUS   |
| <b>subturbinata (um)</b><br>CYRTOCERAS<br><i>Omphyma</i>  | <b>sullivanti</b><br>EUNELLA<br>MACROPETALICTHYS<br><i>Terebratula</i>   | <b>sybillina</b><br>LOPHOSPIRA<br><i>Pleurotomaria</i>  |
| <b>subulata (um)</b><br>HOFMOTOMA<br><i>Murchisonia</i><br>ORTHO CERAS  | <b>superbus (a, um)</b><br><i>Ambonychia</i><br><i>Amplexopora</i><br>BATHYURUS<br>BATOSTOMA<br>CLONYCHIA<br><i>Cystiphyllum</i><br>ECCYLIOMPHALUS<br>LICHAS<br>LYELLIA<br><i>Metoplopa</i><br>PHAEOPORA<br><i>Ptilodictya</i><br>SCENELLA   | <b>sycceras</b><br>MEGACEROPS<br>MENODUS  |
| <b>subumbonus (a)</b><br><i>Ambocoelia</i><br>MARTINIA<br><i>Spirifer</i>   |  | <b>sydensis</b><br><i>Asolanus</i><br>SIGILLARIA ( <i>ASOLANUS</i> )  |
| <b>subundatus (a)</b><br>INOCERAMUS<br><i>I. crrippsii</i><br>LUCINA  |  | <b>sypha</b><br>MACLURITES  |
| <b>subundifera</b><br>RETICULARIA   |  | <b>sylvaticum</b><br>EQUISETUM  |
| <b>subventricosa</b><br>PHOLADOMYA  |  | <b>syvestre</b><br>AGATHAUMAS   |
| <b>succulens</b><br>BUTHOTREPHIS<br><i>Bythotrephis</i><br><i>Lycorophycus</i>  |  | <b>syvlia</b><br>MURCHISONIA  |
| <b>succulosa</b><br>BUTHOTREPHIS  |  | <b>symmetricus (a, um)</b><br><i>Beyrichia</i><br><i>Bollia</i><br>HOLOPEA<br>KLOEDENELLA<br>MOLLISONIA<br>PLATYCERAS<br><i>Turbo</i> |
| <b>suciensis (e)</b><br>AMAUROPSIS<br><i>Ammonites complexus</i><br><i>Cerithium lallierianum</i><br>CUSPIDARIA<br>CYPRAEA<br><i>Inoceramus crrippsii</i><br>LAEVICARDIUM<br>LIMA |  | <b>syphax</b><br>EREMOCERAS   |
|   |  | <b>syrtales</b><br><i>Ammonites</i><br><i>Strophomena</i>   |
|   |  | <b>syringopora</b><br>AULOPORA  |
|   |  | <b>tabulata (um)</b><br>PLACOPHYLLUM<br>SYRINGOPORA   |
|   |  | <b>teada</b><br>PINUS   |
|   |  | <b>taeniopteroides</b><br>PECOPTERIS  |
|   |  | <b>tamulicus</b><br><i>Ammonites</i>  |
|   |  | <b>tardus (a)</b><br>ACROTHYRA SIGNATA<br>ANCYLUS<br><i>Forbesiocrinus lobatus</i><br>PTILODICTYA                                     |

GEOLOGICAL SURVEY

|   |   |   |
|---|---|---|
| <b>tarquinius</b><br><i>Ceraurus</i><br>CHEIRURUS   | <b>tenuilamellata</b><br><i>Orbicula</i><br>SCHIZOTRETA   | <b>teretiusculus</b><br><i>Graptolithus</i>   |
| <b>tartari</b><br>TIPULA  | <b>tenuilineatus (a)</b><br>INOCERAMUS<br><i>Leptaena</i><br>RAFINESQUINA<br><i>Strophomena</i>   | <b>terminalis</b><br><i>Olenus</i><br>PHOLIDOPS<br>TREMATIS   |
| <b>tastubensis</b><br>SPIRIFER  | <b>tenutiliratum</b><br>PLATYCERAS  | <b>ternatus</b><br>CARPOLITHES  |
| <b>taxodinus</b><br>CYADITES  | <b>tenuinervis</b><br>ULMUS   | <b>terranovica</b><br>ASPIDELLA   |
| <b>tectiformis</b><br>PSEUDOPHORUS  | <b>tenuiradiatus</b><br><i>Actinocrinus</i><br>PALAEOCYSTITES   | <b>terrestris</b><br>CRYPTOHYPNUS   |
| <b>tectum</b><br>SCAPHERPETON   | <b>tenuiramosus</b><br><i>Dendrograptus</i><br>MASTIGOGRAPTUS   | <b>terrigena</b><br>CERCYON   |
| <b>tecumseth</b><br><i>Apiocystites</i><br>BROCKOCYSTIS   | <b>tenuis (e)</b><br>ANTHRONEMA<br><i>Arthronema</i><br>ARTHROSTYLUS<br>BUCCINUM<br>CALLISTA<br>COLCOPRION<br>CYPRIMERIA<br><i>Dicellograptus</i><br><i>Didymograptus</i><br><i>Dosinia</i><br>FENESTELLA<br><i>Graptolithus</i><br><i>Helolites</i><br><i>Helopora</i><br>HETEROCRINUS<br>LONCHOPTERIS<br>MONOTRYPA<br><i>Nematozylon</i><br>NUCULA<br>ORNITHOMIMUS<br>OTTOIA<br>PLEUROTOMARIA<br>POTAMIDES<br>PROTARABA<br><i>Stenocrinus</i><br><i>Yohoa</i> | <b>tertiaria</b><br>BUPRESTES<br>EPTOPTYCHOPTERA  |
| <b>tejonensis</b><br>ACMAEA   | <b>tenuisculpta (um)</b><br>CIRSOTREMA<br>MODIOLA   | <b>tessellatus</b><br>AMPHORACRINUS<br>CLEIOCRINUS<br>CRYPTOLITHUS<br><i>Echinosphaerites</i><br><i>Polygonosphaerites</i><br>SIGILLARIA (FAVULARIA)<br><i>Sphaeronites</i><br>SPHAEROSPONGIA |
| <b>telliniiformis</b><br>CLINOPISTHA  | <b>tenuiseptatum</b><br>CYATHOPHYLLUM<br><i>Heliophyllum</i>  | <b>testis (e)</b><br><i>Dendropora ornata</i><br><i>Graptolithus</i><br>MONOGRAPTUS<br>TRACHYFORA   |
| <b>temnodon</b><br>PALAEOLAGUS  | <b>tenuistriatus (a)</b><br>AMAUROPSIS<br>AMYGDALOCYSTITES<br>CALAMODENDRON<br>CHONETES<br>HYOLITHES<br><i>Leptaena</i><br>ORMOCERAS<br>PARALLELODON<br>PINNATOPORA<br>PLEUROMYA<br>PRODUCTUS<br>SPIRIFER<br><i>Strophomena</i>   | <b>testudinarius (a)</b><br>CARYOCYSTITES<br><i>Dalmanella</i><br><i>Orthis</i>   |
| <b>tenax</b><br>XEROPHYLLUM   | <b>tenuisulcata</b><br>LEDA FERNULA   | <b>tethys</b><br>AMMONITES<br>CAMAROTOECHIA<br>MODIOLOPSIS<br><i>Rhynchonella</i>   |
| <b>tenella (um)</b><br>CARDIOCARPON<br>CERATOPORA<br>PARADOXIDES<br>POLYFORA<br><i>Syringopora</i>  | <b>terebriformis</b><br>SUBULITES   | <b>tetragonus (um)</b><br>LEPIDODENDRON<br>LEPIDOPHLOIOS  |
| <b>tener (a, um)</b><br><i>Asplenium</i><br>CONOCEPHALITES<br>DENDROCRINUS<br>MATHERIA<br>ORTHO CERAS<br><i>Plectambonites</i><br><i>Ptilodictya</i><br>PTYCHOPARIA | <b>teres</b><br>IGUANAVUS<br>EUOMPHALUS SERPULA   | <b>teucer (ra, rum)</b><br><i>Conocephalites</i><br>ONCOCERAS<br>PTYCHOPARIA  |
| <b>tentaculatus</b><br><i>Graptolithus</i><br><i>Reteograptus</i><br>RETIOGRAPTUS   | <b>teretiformis</b><br>HORMOTOMA<br><i>Murchisonia</i>  | <b>texanus</b><br>AMMONITES<br>ARIONELLUS<br><i>Bathyrus</i><br>INOCERAMUS<br>NAUTILUS  |
| <b>tenuicarinata</b><br>GONIOBASIS<br><i>Melania</i>  |   | <b>textiles</b><br>ACTINOPTERIA<br>PSARONIUS<br>PTERINEA  |
| <b>tenuicaulis</b><br>ATHEROTAXOPIS   |   | <b>thales</b><br>ONCOCERAS  |
| <b>tenuiceps</b><br><i>Fenestella</i><br>SEMICOSCINIUM  |   | <b>thalia</b><br>CYCLONEMA<br><i>Pleurotomaria</i><br>RHYNCHONELLA<br><i>Strophomena</i>  |
| <b>tenuicinctus</b><br>COLEOLUS   |   | <b>thedfordensis (e)</b><br>CAMAROTOECHIA<br>LINGULA<br>SPIRIFER MUCRONATUS   |
| <b>tenuicostatus (a)</b><br>CARDIOPSIS<br>HELICION<br>LIMNAEA<br><i>Pecten</i>  |   | <b>thersites</b><br><i>Conocephalites</i><br>PTYCHOPARIA ORESTES  |
| <b>tenuidens</b><br>ORTHIS  |   | <b>thestor</b><br>ORTHO CERAS   |
| <b>tenuifilatum</b><br>ACTINOSTROMA   |   |   |
| <b>tenuifilum (a)</b><br>ACTINOCERAS<br>CYCLOPTERIS<br><i>Davallia (Stenoloma)</i><br>MAGNOLIA<br>NEUROPTERIS<br>ORMOCERAS<br><i>Orthoceras</i>                     |   |   |
| <b>tenuigranulata</b><br>LINGULA  |   |   |

LIST OF SPECIFIC NAMES

|  |  |  |
|--|--|--|
| <b>thetis</b><br>PLATYCERAS  | <b>trajanus</b><br>PHACOPS   | <b>triangulatus (a)</b><br><i>Asaphus</i><br>HURDIA  |
| <b>thisbe</b><br>CYCLONEMA<br>PTERINEA   | <b>tranquillata</b><br>RAPHIDIA  | <b>triarthrus</b><br><i>Olenus</i><br><i>Paradoxides</i>   |
| <b>thoas</b><br>ORTHO CERAS<br>SPYRO CERAS   | <b>tranquillensis</b><br>CRATAEGUS<br>PICEA  | <b>triassica</b><br>MARGARITA  |
| <b>thompsoni</b><br><i>Barrandia</i><br>CONOCEPHALITES<br>GLEICHENIA GILBERTI<br><i>Mesonacis</i><br>OLENELLUS<br><i>Olenus</i><br><i>Paradoxides</i><br>PTILOPHYTON | <b>transiens</b><br>GONIOPHORA   | <b>tribullis</b><br><i>Atrypa</i><br><i>Spurifer</i>   |
| <b>thoracica</b><br>TRICOLOCAPSA   | <b>transitans</b><br>NATHORSTIA  | <b>tricarinata (um)</b><br><i>Murchisonia</i><br>POTAMIDES<br>TRILOCULINA<br>TROCHONEMA<br><i>Valvata</i>  |
| <b>thoroldense</b><br>CYATHOPHYLLUM  | <b>transitionis</b><br>CALAMITES<br>MACLURITES   | <b>tricenaria</b><br>ORTHIS  |
| <b>thureani</b><br><i>Dichograptus (Goniograptus)</i><br><i>Didymograptus</i><br>GONIOGRAPTUS  | <b>transitoria</b><br>PENTHETRIA   | <b>triceps</b><br>BEYRICHTIA   |
| <b>thyroides</b><br>POLYGYRA   | <b>translucida</b><br>LEDA   | <b>tricornis</b><br>CRYPTOGRAPTUS<br><i>Diplograptus</i><br>GLOSSOGRAPTUS  |
| <b>thysbe</b> See <b>thisbe</b>  | <b>transversa</b><br>CLEODOIA ATRYPA   | <b>tridens</b><br><i>Mytilus</i>   |
| <b>tigrinus</b><br>PROTOPSALIS   | <b>transversalis</b><br><i>Anomites</i><br><i>Leptaena</i><br>PLECTAMBONITES<br><i>Strophomena</i>   | <b>tridentatus (a)</b><br><i>Climacograptus bicornis</i><br>POTENTILLA   |
| <b>tillaeifolia</b><br><i>Cordia</i><br><i>Dombeyopsis</i><br>FICUS  | <b>transversus (a)</b><br>ANCHURA<br>HYPERFRAGULUS<br>OIOLELLA<br>PTEROTHECA   | <b>trigonalis (e)</b><br>CONOCARDIUM<br>EUOMPHALUS<br>MYALINA<br><i>Pleurorhynchus</i><br>PRIMITIA   |
| <b>timeon</b><br>BATHYURUS   | <b>traskana</b><br>NUCULA  | <b>trigonoceras</b><br>SYMBORODONTES   |
| <b>timotheanus (um)</b><br><i>Ammonites</i><br><i>Lytoceras (Tetragonites)</i><br>TETRAGONITES   | <b>traskii</b><br>CORBULA<br>PECTEN  | <b>trigonodon</b><br>LEPTACERATHERIUM  |
| <b>tippana</b><br><i>Aphrodina</i><br><i>Meretric</i>  | <b>trentonensis</b><br>AMPHILICHAS<br>ARCHINACELLA<br><i>Asaphus</i><br><i>Acidaspis</i><br>ACTINOSTROMA<br><i>Avicula</i><br>BUMASTUS<br><i>Capulus</i><br>CHASMATOPORA<br>CHRISTIANIA<br>CONULARIA<br><i>Cyrtolites</i><br>ECCYLIOMPHALUS<br>ENDODESMA<br>ERIDOTRYPA<br><i>Glossina</i><br>HORMOTOMA<br><i>Iliaenus</i><br><i>Lichas</i><br><i>Lingula (Glossina)</i><br>LINGULA (PALAEGLOSSA)<br><i>Metoptoma</i><br><i>Modiolopsis</i><br><i>Monotrypella</i><br><i>Monticulipora</i><br>ODONTOPLEURA<br>PHOLIDOPS<br><i>Phylloporina</i><br><i>Platymotus</i><br>PROLOBELLA<br><i>Pterinea</i><br><i>Retepora</i><br><i>Solenopora compacta</i><br>STREPTORHYNCHUS<br>STROPHOMENA<br><i>Subretopora</i> | <b>trigonolepis</b><br>LEPIDOSTROBUS   |
| <b>tityrus</b><br>ORTHO CERAS  |  | <b>trihedrus</b><br>CLAORHYNCHUS   |
| <b>tomkinsi</b><br>VANUXEMIA   |  | <b>trilineata</b><br>PANDORA   |
| <b>torcillii</b><br><i>Pecopteris</i>  |  | <b>triliratus</b><br>BELLEROPHON   |
| <b>tornatus</b><br>CHRYSODOMUS<br>FUSUS  |  | <b>trilobatus (a, um)</b><br><i>Bellerophon</i><br>BUCANELLA<br><i>Bucania</i><br><i>Leptaena</i><br><i>Planorbis</i><br>STREPELASMIA<br>S. LATUSCULUM<br>S. RUSTICUM<br>STROPHOMENA |
| <b>torpescens</b><br>CERCOPITES  |  | <b>trilobioides</b><br><i>Cancer</i>   |
| <b>torquium</b><br>CAMPOPHYLLUM<br><i>Cyathophyllum</i>  |  | <b>trinervis (e)</b><br>ASTEROPHYLLITES<br>LEPIDOPHYLLUM   |
| <b>torrentis</b><br>LEPTOBOLUS<br>OBOLUS   |  | <b>trinuclea</b><br>COMPOSITA  |
| <b>torreyana</b><br>PINUS  |  | <b>triparilis</b><br>EOBOLUS<br>OBOLUS   |
| <b>tortulosa</b><br>TEREDO   |  | <b>tripartita</b><br>MACTRA  |
| <b>tortuosum</b><br>PLATYCERAS   |  | <b>tripectinatus</b><br><i>Callocystites</i>   |
| <b>townsendi</b><br>ASCOCERAS<br>PLEUROTOMARIA   | <b>triadactylus</b><br>DOLATOCRINUS  |  |
| <b>trachiformis</b><br>VIVIPARUS   |  |  |

**triplicatus**

*Spirifer*  
*S. striatus*  
ZETHUS

**triqueter (ra)**

NUCULITES  
PRISMOPORA  
VERNEBULLINA

**trisectus**

AGNOSTUS

**triserialis**

PACHYDICTYA

**triseriatim**

RHAMNACINIUM

**trisulcatus**

DALMANITES

**tritavus**

LEPTOBOLUS ATAVUS

**triton**

PILOCERAS

**tritionia**

HELICOTOMA  
ORTHIS

**trivolis (e)**

PLANORBIS  
RYTICERAS

**trochiformis**

PALUDINA  
VIVIPARUS

**tropidophorus (a)**

*Loxoplocus*  
LOPHOSPIRA  
MURCHISONIA  
PLEUROTOMARIA

**truncatula**

LIMNABA

**truncatus (a, um)**

ACILA  
CHASMOPS  
CORBULA  
CUCULLAEA  
DIPLOGRAPTUS  
*Discina*  
IDONEARCA  
LEDA  
MEGALODON  
MYA  
NUCULA (ACILA)  
*Orbicula*  
POLYGNATHUS  
*Productella*  
*Productus*  
STROPHALOSIA

**trunculus**

PINUS

**tryoniana**

ANATINA  
TRIGONIA

**tubaeformis**

AULOPORA

**tuberculatus (a)**

*Agnostus*  
*Battus*  
BEYRICHIA  
CALYMENE  
CARABOCRINUS  
*Climacograptus bicornis*  
CUPULOCRINUS  
DOLATOCRINUS  
FENESTELLA  
POLYPORA  
STROMATOPORA  
STROMATOPORELLA  
TRILOBITES

**tuberosus**

FAVOSITES

**tubiporoides**

SYRINGOPORA

**tubularis**

PALAEOPHYCUS

**tubulata**

HELIOLITES  
LYELLA  
*Propora*

**tubulosa**

PHYTOPSIS

**tulameenensis**

PINUS  
SALIX

**tulameenus (a)**

CRATAEGUS  
TIPULA

**tullius (a)**

MURCHISONIA  
SPIRIFER  
STROPHODONTA  
*Strophomena*

**tumidifrons**

ILLAENUS  
MARTESIA

**tumidula (um)**

ATHYRIS  
CARDIUM

**tumidus (a, um)**

*Athyris*  
ATRYPA  
CENTRONELLA  
DIAPHOROSTOMA  
EUNICITES  
HYBOCRINUS  
LEPIDODENDRON  
LINGULELLA  
MODIOMORPHA  
PROETUS  
TRIGONOARCA

**tumifrons**

*Beyrichia*

**tumulata**

INOCELLA

**tuomeyana**

*Natica*  
*Naticopsis*  
VANIKOROPSIS

**tuomyi**

*Chonetes*

**turbinatus (a, um)**

*Calamopora*  
CYCLORA  
DIAPHOROSTOMA  
EUNEMA  
FAVOSITES  
*F. hemisphericus*  
HURONIA  
MADREPORA

**turbinatus (a, um)**

MURCHISONIA  
OMPHYMA  
*Polydidasma*  
ZAPHRENTIS

**turgidus (a)**

*Athyris*  
CLADOPORA  
HOLOPEA  
LEPERDITIA  
PALAEOLAGUS  
*Pleurotomaria*  
SINUOPEA

**turricula**

*Bela*  
HORMOTOMA  
MAGNELLA (BELA)  
MURCHISONIA

**turritiformis**

COELOCAULUS  
*Murchisonia*

**tuscana**

ASTARTE  
*A. conradiana*  
CRASSATELLA CONRADIANA

**tutus**

EUOPLOCEPHALUS  
STEREOCEPHALUS

**typhina**

RHUS

**typicalis**

CLIMACOGRAPTUS  
MARGINIFERA  
SCHIZAMBON  
ZACANTHOIDES

**typicus (a)**

CINULOPSIS  
*Climacograptus*  
CYRTOCERINA  
EOPTERIA

**typus**

ISCHYROMYS  
OTTAWACRINUS  
PHYLLOGRAPTUS  
*P. folium*  
THAMNOGRAPTUS

**tyraica**

LEPERDITIA

**tyrannus**

*Ammonites*  
PERISPINCITES (AMMONITES)

**tyrans**

*Nautilus*  
PLECTOCERAS

**tyrrelli**

ABIETITES  
ACTINOSTROMA  
APARCHITES  
ELPE  
ORTHO CERAS (THORACOCERAS)  
PODOCARFITES  
RAPHI STOMA  
STICHOCAPSA

**uberis**

*Orthis*  
RHIPIDOMELLA

**uddevallensis**

MYA TRUNCATA

**uintaensis**

AMYGDA  
*Trionyx*

**uirichi (i)**

*Asaphus*  
DEKAYELLA  
*Dekayia*  
*Monticulipora*  
*Primitia*  
PRIMITIELLA  
*Ptychopyge*  
TRIPLECIA (CALIFORNIA)

**umbellifera**

AULOPORA  
ROMINGERIA

**umbilicata (um)**

HELICOTOMA  
*Pleurotomaria*  
TROCHONEMA

## LIST OF SPECIFIC NAMES

- umbonatus (a)**  
AMBOCOELIA  
*Athyris*  
ATRYPA  
ERIPHILA  
HINDELLA  
INOCERAMUS  
*Meristella*  
SPIRIFER (AMBOCOELIA)  
ZAPHRENTIS
- umbraculum**  
*Hemipronites*  
ORTHOTHETES  
SCHUCHERTELLA  
*Streptorhynchus*
- umbrosa**  
LIMNABA
- undabundus**  
INOCERAMUS
- undans**  
*Cyclopteris*
- undatus (a, um)**  
*Ambonychia*  
*Avicula*  
BELLEROPHON  
BUCCINUM  
CLONYCHIA  
CLORINDA  
*Cryptoceras*  
CYMBOPHORA  
*Cymella*  
*Eurytomites*  
*Inachus*  
LIPISTHA (CYMELLA)  
*Lituities*  
MONOTRYPA  
*Pholadomya*  
PLATYCERAS  
PLETOCERAS  
PTERINEA  
*Trocholites*
- undifera**  
*Spirifer*
- undulatoplicatus**  
*Inoceramus*
- undulatus (a)**  
CALAMITES  
*Chaetetes*  
ECCYLIOMPHALUS  
*Lepidodendron*  
*Leptodomus*  
MONOTRYPA
- undulatus (Cont.)**  
MONOTRYPELLA  
*Monticulipora*  
*Orthoceras*  
*Strophomena*  
XYLOTRECHUS
- undulosa**  
*Strophomena*
- undulostriatum**  
ORTHOCERAS
- ungaricus**  
CAPULUS
- ungeri**  
*Castanea*  
FICUS  
GLYPOSTROBUS  
POPULUS
- unguifer**  
SAUROFUS
- unguiformis**  
*Atrypa*  
*Orthis*
- ungulata**  
*Cypricardites*  
*Cyrtodonta*  
SCIARA  
VANUXEMIA
- uniangularis (e)**  
GONIATITES  
TORNO CERAS
- uniangulatus (a)**  
*Euomphalus*  
*Goniocoelia*  
*Helicotoma*  
HELICOTOMA  
*Ophileta*  
*Straparollus*
- unicornis**  
*Leperditia*  
*Primitia*  
PRIMITIBELLA
- unicostata**  
*Leptaena*  
RAFINESQUINA  
*Strophomena*
- unicus (a)**  
*Spirifer*  
S. ARENOSUS
- unionoides**  
*Anodontopsis*  
ISCHYRODONTA  
PLEUROMYA
- uniseriale**  
PLATYCERAS
- unisulcata (um)**  
*Athyris*  
*Atrypa*  
DIAPHOROSTOMA  
*Meristella*  
PENTAGONIA  
*Rhynchonella*
- unitus (a)**  
PECOPTERIS  
PHYLLITES
- universus (a)**  
ORBULINA  
POLYGNATHUS
- unjiga**  
CYCADITES  
MONOTRYPELLA
- uralica**  
*Lepidodendron*  
TEGULIFERA
- utah**  
PUGNAS  
RHYNCHONELLA
- utahensis**  
MACTRA  
SPIRIFER
- uticus**  
*Trocholites*
- utriculus**  
FISULIPORA
- vaccensis**  
CLADOPHLEBIS
- vacciniufensis**  
CHAMPSOSAURUS
- vagens**  
ASPIDERETES  
*Lycerophycus*  
*Strepletasma*  
*Trionya*
- vagrans**  
BARRANDEOCERAS  
*Gyroceras (Lituities)*
- vagrans**—Continued  
*Lituities*  
PLEUROTOMARIA  
(ECCYLIOMPHALUS)
- valdensis**  
*Sphenopteris*
- valens**  
DIDEIPHYS  
VASOCRINUS
- valeria**  
EUOMPHALOPTERUS  
*Pleurotomaria*
- validus (a, um)**  
*Aneimites*  
BATHYRELLUS  
BATHYURUS  
CYATHOPHYLLUM  
CYCLOPTERIS (ANEIMITES)  
SPHENOPTERIS  
SPIORBIS  
*Stegoceras*
- vallorus**  
ALVEOLITES
- valvatiformis**  
CYCLOA
- vancortlandti**  
CARABOCRINUS
- vancouverensis (e)**  
*Ammonites*  
*Anisoceras*  
*Anomia*  
ARCA  
ARNIOTTES  
*Asiarte*  
BALATONITES  
CAREX  
*Cellites*  
CERTHIUM  
DISCINA  
HAMITES  
HELICION GIGANTEUS  
HOPLITES  
INOCERAMUS  
*Linuparis*  
LYCOPODITES  
*Nemodon*  
OPIS  
*Orthis*  
*Pholadomya*  
*Placenticeras*  
PLAGIOLOPHUS  
PODOCRATES  
PTYCHOCERAS  
*Rhipidomella*  
SERRIFUSUS DAKOTENSIS  
SMILOTROCHUS
- vanuxemi**  
PTILOPHYTON  
RHIPIDOMELLA  
SIGILLARIA  
*Spirifer*
- varia**  
CYCLOPTERIS (NEPHROPTERIS)  
CYRTINA  
MODIOLOPSIS  
*Nephropteris*  
PHYLLODICTYA  
RINGUICULA
- variabilis (e)**  
ACTINOCYSTIS  
BATOSTOMA  
BULIMINA  
EATONIA  
GLASSIA  
*Lepidostrobis*

GEOLOGICAL SURVEY

**variabilis (e)**—Continued

MARGINULINA  
 PTLIODICTYA  
 RHYNCHOPORA  
*Thimfeldia*

**varians**  
*Calamites*  
*Camarella*  
 CYCLONEMA  
*Eospongia*  
*Lophospira*  
 MELOSIRA  
*Meretrix*  
*Murchisonia*  
 SALIX  
 STROPHOSTYLUS  
*Thyrsopteris*  
 ZITTELELLA

**varica**  
*Orthis*

**varicella**  
 PHAETHONIDES

**varicosus (a)**  
 CTENODONTA  
 SPIRIFER

**variolare**  
 CLATHRODICTYON

**variolatus (a)**  
 CHONETES  
*Leptaena*  
*Productus*

**variolosus**  
 ADOCUS  
*Compsemys*

**varipora**  
 FISTULIPORA  
*Helopora*  
 LIOCLEMA  
 PINACOTRYPA

**varistriata**  
 PTERINEA  
 STROPHEODONTA  
*Strophomena*

**varro**  
 ORTHOCERAS

**vascularia**  
 STROPHEODONTA

**vaticinus**  
*Euomphalus*

**vau**  
 TRIGONIA

**veatchii**  
*Axinea*  
 PECTUNCULUS

**velaris**  
 EUOMPHALOPTERUS  
*Pleurotomaria*

**velledae**  
*Ammonites*

**vellicata**  
 RHYNCHONELLA

**velox**  
 ENDOCERAS  
 ORNITHOMIMUS

**veltheimiana (um)**  
 LEPIDODENDRON  
 SAGENARIA

**venilia**  
*Metoptoma*  
 SCRNELLA

**vennori**  
 CYATHOPHYLLUM  
*Diphyphyllum*  
*Eridophyllum*

**venosus (a)**  
 CARNARVONIA  
*Gladiolites*  
*Graptolithus*  
 PALAEOPTYSMA  
*Phyllites*  
*Retiolites*  
 R. GEINITZIANUS  
*Rhinopora*  
 STENOLOCRES

**ventralis**  
 LEPERDITIA

**ventricosus (a, um)**  
 ANODONTOPSIS  
 ASTARTE  
*Barrandella*  
*Bodmania*  
*Brachyprion*  
 CAMAROTOECHIA  
*Cardiomorpha*  
 CLORINDA  
*Cypricardites*  
 CYRTOSPIRA  
 DIAPHOROSTOMA  
*Edmondia*  
*Fusispira*  
 LEPTAENA RHOMBOIDALIS  
 LOPHOSPIRA  
 LUCINA OCCIDENTALIS  
*Murchisonia*  
 NUCLEOSPIRA  
*Palaearca*  
*Pentamerus*  
*Platyceras*  
*Pleurotomaria*  
*Rhynchonella*  
 SCAPHITES  
 SEELYA  
*Spirifer*  
*Stropheodonta*  
 SUBULITES  
 UNIO  
 WHITELLA

**venturensis**  
 PINNA

**venustus (a, um)**  
*Anapolemus*  
 ANOPOLENUS  
*Astrocerium*  
 BEYRICHIA  
*Calampora*  
*Favosites*  
 INOCERAMUS  
 ORTHONOTA  
 PTERONITELLA  
*Spirifer*

**vera**  
 BYSSONYCHIA  
*Eumetria*  
 FENESTELLA  
 PERENOPORA  
*Retzia*

**vermicula**  
 CYSTODICTYA

**vermicularis (e)**  
*Astrocyathus*  
*Campophyllum*  
 SERPULA

**vermiformis**  
 SCAPHITES

**vermontanus (a)**  
*Barrandia*  
 BELUGA  
 DELPHINAPTERUS  
 MESSONACIS  
*Olenellus*  
*Olenus*  
*Paradoxides*

**verneuili**  
 ANASTROPHIA  
 CLYMBONITES  
 GRAMMYSIA  
 NUCLEOCRINUS  
*Orthosira*  
 PHILLIPASTRAEA  
 SYRINGOPORA

**verneuillianus (a, um)**  
 ACTINOCRINUS  
 BACTOCRINUS  
 CHONETES  
 DIPHYPHYLLUM  
*Eretmocrinus*  
*Eridophyllum*  
*Retzia*  
 MACROCRINUS

**verrilli**  
*Phillipsastrea*  
 PHILLIPASTREA  
*Smithia*

**verrucosa (um)**  
 OMPHYMA  
 PROSOPON

**versaillesensis**  
 PLATYSTROPHIA  
 P. CYPHA

**versutus (um)**  
 LITOCERAS  
*Nautilus*

**vertebralis**  
 HURONIA

**vertebratum**  
 ACTINOCERAS

**verticalis**  
 FUCOIDES

**verticillatus (a)**  
 POTAMOGETON  
 SYRINGOPORA

**verus**  
 RHODOCRINUS

**vesicularis (e)**  
*Filicites*  
 GRYPHAEA  
*Ostrea*

**vesiculata**  
 FISTULIPORA

**vesiculosa (um)**  
 CLATHRODICTYON  
*Cyathophyllum*  
 CYSTIPHYLLUM  
*Gryphaea*

**vespertinus**  
 DIPLOGRAPTUS  
*D. foliaceus*

**vesta**  
 HORMOTOMA  
*Murchisonia*

**vestita**  
 AMICULA

**veter**  
 DAWSONITES

**veterana**  
 INOCELLIA



LIST OF SPECIFIC NAMES

**veterator**  
*Orthoceras*  
**veterinus**  
*Planorbis*  
**vetulus**  
*Bathyrus*  
**vetus**  
*Escabona*  
**vetustus (a)**  
*Dyscritis*  
*Edmondia*  
*Protaraba*  
*Pupa*  
*Streptorhynchus*  
*Strophomena*  
*Unio*  
**veyayensis**  
*Eridotrypa*  
**vicinus (a)**  
*Camarotoechia*  
*Chonetes*  
*Eotomaria*  
*Leptaena*  
*Rhynchonella*  
**victoria**  
*Hurdia*  
**vietellia**  
*Coelidium*  
*Coeloculus*  
*Murchisonia*  
**vigilans**  
*Bradoria*  
*Ceraurus*  
*Cryptonymus*  
*Cybele*  
*Enocrinurus*  
**villosus (a)**  
*Mallotus*  
*Pecopteris*  
**vindex**  
*Ulaenus*  
*Thaleops*  
**viola**  
*Pleurotomaria*  
*Poleumita*  
**violacea**  
*Bela*  
**virgatus (um)**  
*Orthoceras*  
*Pecten*  
**virginica (um)**  
*Ostrea*  
*Sphenolepidium*  
*Thyrsopteris*  
**virginiensis**  
*Cladophlebis*  
*Pecopteris*  
**virgo**  
*Pleurotomaria*  
**virgulatus (um)**  
*Graptolithus*  
*Monograptus*  
*Orthoceras*  
**virguncula**  
*Pleurotomaria*  
**viridulum**  
*Admete*  
*Tritonium*  
**vitrea**  
*Spirorbis*

**vitruvia**  
*Liopira*  
*Pleurotomaria*  
**vittata**  
*Athyris*  
**volborthi**  
*Camarella*  
**voltumna**  
*Pleurotomaria*  
**voltzil**  
*Calamites*  
*Neuropteris*  
**volutatus**  
*Eccyomphalus*  
**vulcanus**  
*Cheirus*  
*Conocephalites*  
*Pseudosphærexochus*  
*Ptychoparia*  
**vulgatum**  
*Orthoceras*  
**waageni**  
*Ammonites*  
*Oppella*  
**wacoensis**  
*Kingena*  
*Terebratula*  
**wahienbergi**  
*Cyathophyllum*  
**walcotti**  
*Kirkbya*  
*Meristella*  
*Primitia*  
**wallacei**  
*Productus*  
**wallacianus**  
*Productus*  
**walpolese**  
*Orthoceras*  
**wapta**  
*Micromitra (Paterina)*  
**warrenana**  
*Cymbophora*  
*Mactra*  
**warreni**  
*Scaphites*  
**wasikasense**  
*Cyathophyllum*  
**wauwatosense**  
*Orthoceras*  
**websteri**  
*Dictyonema*  
**welleri**  
*Proetus*  
**westoni**  
*Amphion*  
*Anchitherium*  
*Aralia*  
*Diplograptus*  
*Diplotrypa*  
*Ectenonotus*  
*Mesohippus*  
*Monticulipora*  
*Orthoceras*  
**wetherbyi**  
*Monticulipora*  
*Orbignyella*  
**wetherilli**  
*Asaphus*  
*Plagiolophus*

**whiteavesi**  
*Actinostroma*  
*Aparchites*  
*Astieria deansii*  
*Avicula (Oxytoma)*  
*Calmanassa*  
*Diaphorostoma*  
*Diplograptus*  
*Diplotrypa*  
*Hormotoma*  
*Isochilina*  
*Leperditia*  
*Litoceras*  
*Monticulipora (Diplotrypa)*  
*Oncoceras*  
*Oxytoma*  
*Ptilodictya*  
**whiteavesianus (a)**  
*Amia*  
*Aphrocalistes*  
*Cayugana*  
*Protaster*  
**whitei (ii)**  
*Actinoceras*  
*Camarotoechia*  
*(Stegerhynchus)*  
*Ormoceras*  
*Pentremites*  
*Rhynchonella*  
*Stegerhynchus*  
**whitfieldi**  
*Batostoma*  
*Chariocephalus*  
*Diplograptus*  
*Glossograptus*  
*Graptolithus*  
*Hemiphragma*  
*Hindella (Greenfieldia)*  
*Isoleoides*  
*Monticulipora*  
**whitiana**  
*Rhynchonella*  
**whitneyi**  
*Inoceramus*  
*Sphaera*  
*Spirifer*  
**wilsoni**  
*Clamachichnites*  
*Poëbrotherium*  
*Rhynchonella*  
*Stromatopora*  
*Terebratula*  
*Wilsonia*  
**winchelli**  
*Ischyrinia*  
*Favosites*  
**winiskensis**  
*Allorhynchus*  
*Camarotoechia*  
**winnipegensis (e)**  
*Aulocopella*  
*Hormotoma*  
*Loxonema*  
*Orthoceras*  
**winnipegosis**  
*Murchisonia*  
**winontis (a)**  
*Conocephalites*  
*Lingula*  
*Lingulella*  
**wisbyensis**  
*Poleumita*  
*Polytropis*  
*Trochus*

GEOLOGICAL SURVEY

**wisconsinensis**

*Asaphus*  
*Cyathozonia*  
LINDSTRÖMIA  
PTYCHOPARIA

**woodiana**

MAZONIA

**woodmani**

PACHYPHYLLUM  
PHILLIPSASTRAEA  
*Smithia*

**woodwardi**

AVICULA

**woodworthi**

*Orthoceras*

**woolgari**

ACANTHOCERAS  
PRIONOCYCLUS

**woolworthanus**

SCHUCHERTELLA  
*Streptorhynchus*  
*Strophomena*

**wortheni**

PILOCERAS

**wrightiana**

EQUISETITES

**wyomingensis (c)**

AVICULA  
EQUISETUM  
MELANIA  
OSTREA  
O. GLABRA  
SALIX  
SCAPHITES WARRENT

**xanthippe**

LOPHOSPIRA  
*Murchisonia*

**xerxes**

ORTHOCERAS

**xiphias**

*Orthoceras*  
TRIPTEROCERAS

**xylobioides**

ARCHIULUS

**yakouensis**

HOPLITES

**yandelli**

AMPLEXUS

**yatesi**

GONOSTOMA

**yukonensis (e)**

*Arctotherium*  
BUTHOTREPHIS  
*Bythotrephis*  
CYPRINA

**zaddachi**

POPULUS

**zenkeri**

*Conocephalites*  
CYATHOPHYLLUM  
PTYCHOPARIA

**ziczac**

*Spirifer*  
*Spiriferina*

**zippei**

GLEICHENIA  
*Pecopteris*

**zirkei**

OLCOSTEPHANUS

**zonata**

VELUTINA

LIST OF FOSSILS WHOSE SPECIFIC AND GENERIC NAMES  
HAVE BOTH BEEN CHANGED

|  |   |   |
|--|---|---|
| <b>Aceratherium mite</b><br>CAENOPUS PUMILUS   | <b>Archaeoseyphia minganensis</b><br>ARCHAEOCYATHUS PROFUNDUS   | <b>Batostoma james</b><br>ERIDOTRYPA VEYAYENSIS   |
| <b>Acidota crenata nigra</b><br>STAPHYLINUS CRENATUS   | <b>Archinacella deformata</b><br>METOPTOMA DEFORMIS<br>M. DUBIA   | <b>Bellerophon shelbiensis</b><br>BUCANIA STIGMOSA  |
| <b>Acirsa eschrichti</b><br>MENESTHO ALBULA  | <b>Archinacella pulaskiensis</b><br>CARINAROPSIS PATELIFORMIS   | <b>Billingsella coloradoensis</b><br>ORTHIS PEPINA  |
| <b>Acrolichas minganensis</b><br>LICHAS CHAMPLAINENSIS   | <b>Arniionites</b><br>BALATONITES ARIETIFORMIS  | <b>Bilobites bilobus</b><br>DELTHYRIS SINUATUS  |
| <b>Actinoceras bigsbyi</b><br>CONOCERAS ANGULOSUM<br>ORMOCERAS LYONI<br>O. TENUIFILUM  | <b>Arthropycus alleghaniensis</b><br>FUCCOIDES HARLANI  | <b>Brachyaspis attilis</b><br>ASAPHUS PLATYCEPHALUS   |
| <b>Actinoceras fulgur</b><br>ORTHOCERAS PROPINQUUM   | <b>Arthrostylus</b><br>ARTHRONEMA   | <b>Bucania punctifrons</b><br>RETEPORA FOLIACEA   |
| <b>Actinoceras richardsoni</b><br>ORMOCERAS BRONGNIARTII   | <b>Asaphis multicosata</b><br>LINEARIA SUCIENSIS  | <b>Bucania sulcatina</b><br>BELLETEROPHON ROTUNDATUS<br>MEGALOMPHALA ROTUNDATA                    |
| <b>Actinocystis variabilis</b><br>CYSTITHYLLUM AMERICANUM<br>ARTICULUM   | <b>Aspera reticularis aspera</b><br>TEREBRATULA ASPER   | <b>Buchiola retrostriata</b><br>GLYPTOCARDIA SPECIOSA   |
| <b>Albertosaurus sarcophagus</b><br>DRYPTOSAURUS INCRASSATUS   | <b>Athrotaxopsis expansa</b><br>SPHENOLEPIDIUM STERNBERG-<br>IANUM DENSIFOLIUM  | <b>Bumastus loxus</b><br>ILLAENUS (BUMASTUS)<br>BARIENSIS   |
| <b>Alethopteris lonchitica</b><br>JOHANNOPHYTON DISCREPANS<br>PECOPTERIS DECURENS<br>P. (ASPIDITES) DISCREPANS<br>P. INGENS<br>SPORANGITES ACUMINATA | <b>Athyris spiriferoides</b><br>ATRYPA CONCENTRICA<br>SPIRIGERA CONCENTRICA   | <b>Bumastus milleri</b><br>ILLAENUS TRENTONENSIS  |
| <b>Alveolites vallorum</b><br>CALAMOPORA SPONGITES TUBEROSA  | <b>Atrypa marginalis</b><br>TREMATOSPIRA MATHEWSONI   | <b>Bumastus orbicaudatus</b><br>ILLAENUS ORBICAUDA  |
| <b>Ambocoelia umbonata</b><br>ORTHIS NUCLEUS   | <b>Atrypa reticularis</b><br>HIPPARIONYX CONSIMILARIS<br>STROPHOMENA ITHACENSIS<br>TEREBRATULA PRISCA                   | <b>Buthograptus</b><br>BYTHOCLADUS  |
| <b>Amphilichas minganensis</b><br>LICHAS CHAMPLAINENSE   | <b>Avicula whiteavesi</b><br>PTERIA MUCRONATA   | <b>Byssonychia vera</b><br>AMBONYCHIA BELLISTRATA<br>A. CINCINNATIENSIS                           |
| <b>Amplexopora petasiformis</b><br>CHAETETES PETROPOLITANA   | <b>Azygograptus simplex</b><br>DAWSONIA COMPANULATA   | <b>Bythopora arcitipora</b><br>CHAETETES MINUTUS  |
| <b>Amplexus shumardi</b><br>ZAPHERENTIS CINCTOSA   | <b>Barrandoceras americanum</b><br>LITUITES CONVOLVANS  | <b>Bythopora gracilis</b><br>CHAETETES LAEVIRAMUS   |
| <b>Anacheirus apollo</b><br>AMPHION CAYLEYI  | <b>Basilicus barrandi</b><br>ASAPHUS ROMINGERI<br>A. ULRICHI<br>A. WISCONSINENSIS<br>PTYCHOPYGE ROMINGERI<br>P. ULRICHI | <b>Calapoecia canadensis</b><br>HOUGHTONIA HURONICA   |
| <b>Anastrophia vernerii</b><br>ATRYPA LACUNOSA   | <b>Basilicus huttoni</b><br>ASAPHUS MORRISI   | <b>Calapoecia cribiformis</b><br>COLUMNOPORA RAYI   |
| <b>Anisoceras cooperi</b><br>HAMITES VANCOUVERENSIS  | <b>Basilicus marginalis</b><br>ASAPHUS ALPHA<br>A. GAMMA  | <b>Calymene niagarensis</b><br>TRILOBITES TUBERCULATUS  |
| <b>Annularia radiata</b><br>ASTEROPHYLLITES LAXA<br>A. LENTA   | <b>Bathynotus holopyga</b><br>PARADOXIDES QUADRASPINOSUS  | <b>Camarella longirostris</b><br>TRIPLECIA GRACILIS   |
| <b>Annularia stellata</b><br>ASTEROPHYLLITES FASCICULATUS<br>A. LONGIFOLIA   | <b>Bathyriscus howelli</b><br>EMBOLIMUS ROTUNDATA   | <b>Camarotoecia congregata</b><br>ATRYPA LATICOSTATA  |
| <b>Anoplia nucleata</b><br>PRODUCTELLA ERIENSIS  | <b>Bathyriscus producta</b><br>OGYGA PARABOLA   | <b>Camarotoecia contracta</b><br>ATRYPA LATICOSTATA   |
| <b>Anoplotheca camilla</b><br>COELOSPIRA CONCAVA   | <b>Bathyriscus extans</b><br>ASAPHUS NODOSTRIATUS   | <b>Camarotoecia decemplicata</b><br>ANABAIA ANTICOSTIANA<br>RHYNCHONELLA BYA                      |
| <b>Anoplotheca flabellites</b><br>ATRYPA PALMATA<br>ORTHIS AYMARAE<br>O. PALMATA   | <b>Bathyriscus longispinus</b><br>PTYCHOPYGE JERSEYENSIS  | <b>Camarotoecia (Stegerhynchus) neglecta</b><br>RHYNCHONELLA NEGLECTA<br>SCOBINA                  |
| <b>Aralia notata</b><br>PLATANUS DUBIA   | <b>Bathyriscus producta</b><br>OGYGA PARABOLA   | <b>Camarotoecia plena</b><br>ATRYPA ALTLIS<br>A. PLICIFERA<br>RHYNCHONELLA ALTLIS<br>R. PLICIFERA |
| <b>Arca (Nemodon) cumshewensis</b><br>GRAMMATODON INORNATUS  |   | <b>Camarotoecia (Stegerhynchus) whitei</b><br>RHYNCHONELLA WHITIANA                               |

**Cameroeras (Proterocamero-  
ceras) brainerdi**  
ORTHO CERAS EXPLORATOR

**Campeloma multilinea**  
VIVIPARUS NEBRASCENSIS

**Camphophyllum torquium**  
ASTROCYATHUS VERMICULARIS  
CYATHOPHYLLUM VERMICULARE

**Camptonectes curvatus**  
PECTEN VIRGATUS

**Cannapora junceiformis**  
SYRINGOPORA FIBRATA

**Cardiopsis radiata**  
MEGAMBONIA LYONT

**Caryatis plana**  
APHRODINA TIPPANA

**Ceratocophala goniata**  
ACIDASPIS DANAI  
A. IDA

**Ceraurinus icarus**  
CERAUROS MEEKANUS  
ECCOPOCHILE MEEKANUS

**Chaetomorpha ? prima**  
OLDHAMIA FRUTICOSA

**Charionella scitula**  
ATRYPA CIRCE  
A. CONCIANNA  
MERISTELLA CIRCE

**Chasmatopora**  
INTRICARIA

**Chasmatopora angulata**  
RETEPORA DAYTONENSIS

**Chasmatopora fenestrata**  
PHYLLOPORINA TRENTONENSIS  
RETEPORA TRENTONENSIS

**Chefurus niagarensis**  
CERAUROS BIMUCRONATUS  
C. INSIGNIS  
SPHAEREXCOCHUS MIRUS  
S. ROMINGERI

**Chonetes coronatus**  
STROPHOMENA CARINATA  
S. SYRTALIS

**Chonophyllum ellipticum**  
TABULOPHYLLUM EHLERSI

**Chonostegites clappi**  
HAIMBOPHYLLUM ORDINATUM  
MICHELINIA INTERMITTENS

**Cinulia concinna**  
AVELLANA SUBGLOBOSA

**Cladophlebis browniana**  
PECOPTERIS ANGUSTIPENNIS  
P. CONRICTA  
P. MICRODONTA  
P. OVODENTATA  
P. SOCIALIS  
P. STRICINERVIS  
P. VIRGINIENSIS

**Cladophlebis distans**  
DRYOPTERIS FREDERICKSBURGEN-  
SIS

**Cladophlebis virginensis**  
ASPLENIUM DISTANS  
THINNFELDIA VARIABILIS

**Cladopora cryptodens**  
STRIATOPORA FORMOSA

**Cladopora labiosa**  
ALVEOLITES BILLINGSI

**Clathrodictyon striatellum**  
COENOSTROMA BOTRYOIDEUM  
STROMATOPORA MAMMILLATA

**Clathrodictyon vesiculosum**  
STROMATOPORA STRIATELLA

**Clidophorus planulatus**  
NUCULITES SCITULA

**Clisocolus cordatus**  
BUCARDIA MOREAUENSIS  
GLOSSUS MOREAUENSIS

**Clisocolus dubius**  
LUCINA RICHARDSONI  
SPHAERIOLA CORDATA  
THETIOPSIS CIRCULARIS

**Clitambonites diversus**  
HEMIPRONITES AMERICANUS  
ORTHISINA VERNEUILI  
STREPTORHYNCHUS AMERICANUM

**Clorinda ventricosa**  
PENTAMERUS CHICAGOENSIS

**Coelocaulus macrospira**  
MURCHISONIA LOGANI

**Coelospira hemispherica**  
ATRYPA FLABELLA

**Coenites juniperinus**  
ALVEOLITES REPENS  
LIMARIA CLATHRATA  
L. RAMULOSA  
MILLEPORA REPENS

**Columnaria alveolata**  
FAVOSITES ALVEOLARIS  
F. STELLATA

**Columnaria (Palaeophyllum)**  
stokesi  
PALAEOPHYLLUM RUGOSUM  
SARCINULA OBSOLETA

**Composita argentea**  
ATHYRIS DIFFERENTIS

**Comptonia dryandroides**  
MYRICA CUSPIDATA

**Conchidium nettlerofhi**  
PENTAMERUS KNIGHTI

**Conocoryphe matthewi**  
CONOCEPHALITES GEMINI  
SPINOSUS

**Corbicula occidentalis**  
CYRENA (VELORITINA)  
BANNISTERI  
C. (CORBICULA) CYTHERIFORMIS

**Corylus macquarrii**  
ALNUS PSEUDOGUTINOSA

**Craniella hamiltoniae**  
CRANIA GREGARIA

**Crassatella conradiana**  
ASTARTE VANCOUVERENSIS

**Crassatella conradiana  
cardinoides**  
ASTARTE CONRADIANA TUSCANA  
A. TUSCANA

**Crassatella conradiana tuscana**  
ASTARTE VANCOUVERENSIS

**Cremaerinus articulatus**  
CALCEOCCRINUS KENTUCKIENSIS  
CASTOCRINUS KENTUCKIENSIS

**Crepidophyllum archiaci**  
HELIOPHYLLUM SUBCAESPITOSUM

**Cryptograptus antennarius**  
DIPLOGRAPTUS LAXUS

**Cryptograptus tricornis**  
DIPLOGRAPTUS ETHERIDGI  
D. MARCIDUS  
GRAPTOPTHEUS MARCIDUS

**Cryptolithus tessellatus**  
NUTTAINIA CONCENTRICA  
TRINUCLEUS CARACTACI  
T. CONCENTRICA

**Ctenobolbina cillata**  
BEYRICHTIA TUMIFRONS

**Ctenodonta diminutens**  
TELLINOMYA (PALAEONEILO)  
CUNBATA

**Ctenodonta filistriata**  
TELLINOMYA LEVATA

**Ctenodonta gibberula**  
TELLINOMYA VENTRICOSA

**Ctenodonta logani**  
TELLINOMYA DUBIA

**Ctenodonta machaeriformis**  
CYPRICARDIA ANGUSTA  
CYPRICARDITES ANGSTUSUS

**Ctenodonta nasuta**  
ISOARCA LOGANI

**Ctenodonta obliqua**  
PALAEOCONCHA FABERI

**Cupulocrinus conjugans**  
DENDROCRINUS CYLINDRICUS

**Cupulocrinus polydactylus**  
CYATHOCRINITES CONGLOBATUS

**Cyathophyllum dawsoni**  
ZAPRENTIS MINAS

**Cyathophyllum ellipticum**  
CAMPOPHYLLUM SECTENICUM

**Cyathophyllum exiguum**  
PETRAIA LOGANI

**Cyathophyllum halli**  
STROMBODES HELIANTHOIDES

**Cyathophyllum spenceri**  
ACERVULARIA PROFUNDA

**Cyathophyllum tenuiseptatum**  
HELIOPHYLLUM ELEGANTULUM

**Cycloceras crocus**  
ORTHO CERAS PERANNULATUM

**Cyclopteris**  
ANEIMITES

**Cyclospira bisulcata**  
CAMARELLA OWATONNENSIS

**Cyrtodonta huronensis**  
CYPRICARDITES ISLANDICUS  
C. SUBOVATUS  
PALAEARCA VENTRICOSA

**Cytherea (Caryatis) plana**  
APHRODINA TIPPANA  
CARYATIS NITIDA  
MERETRIX NITIDA  
M. TIPPANA

**Dalmanella elegantula**  
ORTHIS CANALIS

**Dalmanella emacerata**  
ORTHIS CYCLUS

**Dalmanella lenticularis**  
ORTHIS EBORACENSIS  
O. LENTIFORMIS

**Dalmanella meeki**  
ORTHIS EMACERATA  
O. JUGOSA  
O. PARVA

**Dalmanella rogata**  
ORTHIS TESTUDINARIA

- Dalmanella testudinaria**  
*ORTHIS DISPARILIS*  
*O. STRIATULA*
- Dalmanites limulurus**  
*ASAPHUS CAUDATUS*  
*A. CORDIERI*  
*A. EDWARDSI*  
*A. WETHERILLI*  
*DALMANIA CAUDATA*
- Dawsonoceras annulatum**  
*ORTHOCERAS ANNULATUM*  
*AMERICANUM*  
*O. BARTONENSE*  
*O. LAPHAMI*  
*O. NODOCOSTATUM*  
*O. NODOCOSTUM*  
*O. UNDULATUM*
- DeKayella ulrichi**  
*CHAETETES FLETCHERI*  
*MONTICULIPORA OHIOENSIS*
- Delthyris consobrina**  
*SPIRIFER CONCINNUS*  
*S. ZICZAC*  
*SPIRIFERINA ZICZAC*
- Delthyris raricosta**  
*SPIRIFER HESIONE*
- Dennsfaedtia americana**  
*ASPLENium TENERUM*  
*SAVALLIA (STENOLOMA)*  
*TENUFOLIA*  
*SPHENOPTERIS BLOOMSTRANDI*
- Desmoceras (Puzozia) dawsoni**  
*AMMONITES BEUDANTI*  
*HAPLOCERAS BEUDANTI*
- Desmopteus elongata**  
*PECOPTERIS LONGIFOLIA*
- Diaphorostoma niagarensis**  
*PLATYCERAS (DIAPHOROSTOMA)*  
*CORNUTUM*
- Dicellograptus sextans**  
*DICRANOGRAPTUS FORMOSUS*
- Dicranograptus rectus**  
*GRAPTOLITHUS RAMOSUS*
- Dicryonema flabelliforme**  
*BRYOGRAPTUS MULTIIRAMOSUS*  
*GRAPTOPORA SOCIALIS*
- Didymograptus (Isograptus) cauduceus**  
*TETRAGRAPTUS BRYONOIDES*
- Didymograptus extensus**  
*GRAPTOLITHUS CONSTRICTUS*
- Didymograptus sagitticaulis**  
*DIDYMOGRAPTUS CONVEXUS*  
*GRAPTOLITHUS SAGITTARIUS*  
*MONOGRAPTUS SAGITTARIUS*
- Didymograptus subtenuis**  
*DICELLOGRAPTUS TENUIUS*  
*GRAPTOLITHUS TENUIUS*  
*LEPTOGRAPTUS TENUIUS*
- Dielasma bovidens**  
*TREBRATULA ELONGATA*  
*T. GENICULOSA*  
*T. HASTATA*  
*T. MILLEPUNCTATA*
- Dielasma calvini**  
*CRYPTONELLA EUDORA*
- Dinobolus magnificus**  
*OBOLUS CANADENSIS*
- Dinorthis carleyi**  
*ORTHIS KENNICOTTI*
- Dinorthis (Valcourea) deflecta**  
*LEPTAENA RECTA*  
*ORTHIS LORICULA*  
*PLAESIOMYS LORICULA*  
*P. RECTA*  
*STREPTORHYNCHUS RECTUS*  
*STROPHOMENA RECTA*
- Dinorthis meedsi**  
*ORTHIS MINNESOTENSIS*
- Dinorthis pectinella**  
*ORTHIS CHARLOTTE*
- Dinorthis (Plaesiomys) porcata anticostiensis**  
*ORTHIS PORCATA*
- Dinorthis proavita**  
*ORTHIS PETRAE*
- Diphyphyllum caespitosum**  
*CYATHOPHYLLUM PELAGICUM*
- Diphyphyllum multicaule**  
*ERIDOPHYLLUM VENNORI*
- Diplograptus identatus**  
*GRAPTOLITHUS PRISTINIFORMIS*
- Diplograptus foliaceus**  
*FUCODES SECALINUS*  
*F. SIMPLEX*  
*GRAPTOLITHUS FOLIUM*  
*G. PRISTIS*
- Diplograptus foliaceus incisus**  
*GRAPTOLITHUS PRISTIS*
- Diplograptus peosta**  
*GRAPTOLITHUS PRISTIS*
- Diplothemema subfureatum**  
*HYMENOPHYLLITES FURCATUS*  
*H. GERSDORFI*  
*H. HILDRETI*  
*H. OBUSILOBUS*  
*H. PENTADACTYLA*  
*SPHENOPTERIS GERSDORFI*
- Discoceras grafftonense**  
*LITUITES MULTICOSTATUS*  
*TROCHILITES MULTICOSTATUS*
- Eatonia peculiaris**  
*ATRYPA NUSTELLA*
- Ectenaspis homalonotoides**  
*ASAPHUS TRIANGULATUS*
- Ectenocrinus canadensis**  
*HETEROCRINITES SIMPLEX TROOST*
- Ectomaria prisca**  
*MURCHISONIA (EUNEMA)*  
*PAGODA*
- Encrinurus ornatus**  
*CYBELE PUNCTATA*
- Eoorthis desmopleura**  
*ORTHIS COLORADOENSIS*
- Eoorthis (Orusia) lenticularis**  
*ORTHIS LENTICULARIS*  
*STROPHOMENOIDES*
- Eotomaria supracingulata**  
*PLEUROTOMARIA NASONI*  
*RAPHISTOMA NASONI*
- Equisetum rogersi**  
*CALAMITES ARENACEOUS*  
*C. DISJUNCTUS*  
*PHYTOLITHUS STRIATICULMIS*
- Escharopora falciformis**  
*CRATERIPORA LINBATA*  
*C. LINBATA EXPANSA*  
*PTILODICTYA CRUCIFORMIS*  
*P. RECTA*
- Escharopora pavonia**  
*CHAETETES ? CLATHRATULUS*  
*CYCLOPORA JAMESI*  
*STICTOPORA CLATHRATULA*
- Eucalyptocrinus**  
*HYPANTHOCRINITES*
- Eucalyptocrinus caelatus levis**  
*HYPANTHOCRINITES DECORUS*
- Eumetra marcyi**  
*RETZIA VERA*  
*R. VERNEULLANA*  
*TREBRATULA SERPENTINA*
- Eumicrotis curta**  
*PSEUDOMONOTIS SUBSTRIATA*
- Euomphalopterus halei**  
*PLEUROTOMARIA LIMITA*
- Eusarcus newlini**  
*CARCINOSOMA INGENS*
- Fagopsis longifolia**  
*QUERCUS SEMIELLIPTICA*
- Favosites hemisphericus**  
*CALAMOPORA ALVEOLARIS*
- Favosites hisingeri**  
*ALVEOLITES VENUSTUM*  
*ASTROCERITUM PARASITICUM*  
*A. VETUSTUM*  
*CALAMOPORA VENUSTA*
- Favosites limitaris**  
*CALAMOPORA SPONGITES*
- Favosites turbinatus**  
*CALAMOPORA HEMISPHERICA*
- Gaudryceras denmanense**  
*AMMONITES JUKESI*  
*LYTOCERAS JUKESI*
- Geinitzia reichenbachii**  
*SEQUOIA COUTTSIAE*
- Ginkgo sibirica**  
*BALERA BREVIFOLIA*
- Glossograptus ciliatus**  
*DIPLOGRAPTUS SPINULOSUS*  
*GRAPTOLITHUS SETACEUS*  
*G. SPINULOSUS*
- Glossograptus (Orthograptus) quadrimucronatus**  
*DIPLOGRAPTUS PRISTIS*  
*GRAPTOLITES DENTATUS*
- Goldius**  
*BRONTEUS*
- Gonlophora carinata**  
*CYPRICARDIA AMERICANA*
- Graptolithus whitfieldi**  
*LASIOGRAPTUS BIMUCRONATUS*
- Grewia crenata**  
*PALURUS COLUMBII*
- Gryphaea vesicularis**  
*OSTREA CONVEXA*
- Gypidula comis**  
*PENTAMERUS GALEATIFORMIS*
- Gyrodes excavata**  
*NATICA INFRACARINATA*
- Hallopora dalei**  
*MONTICULIPORA APPROXIMATUS*
- Hallopora elegantula**  
*CALLOPORA NANA*
- Halysites**  
*CATENIPORA*
- Halysites catenularia**  
*CATENIPORA AGGLOMERATA*  
*C. ESCHAROIDES*

GEOLOGICAL SURVEY

|   |  |   |
|---|--|---|
| <b>Hamina occidentalis</b><br>BULLA NEBRASCENSIS  | <b>Ichthyocrinus laevis</b><br>CYATHOCRINUS PYRIFORMIS   | <b>Leptaena richmondensis</b><br>STROPHOMENA RHOMBOIDALIS<br>S. RUGOSA  |
| <b>Haploceras planulatum</b><br>AMMONITES GAUDANA<br>A. GRIFFITHII  | <b>Inoceramus problematicus</b><br>MYTLOIDES LABIATUS<br>OSTRACIDES LABIATUS   | <b>Leptograptus annectans</b><br>GRAPTOLITHUS TENUIS  |
| <b>Hebertella insculpta</b><br>ORTHIS BELLARUGOSA   | <b>Iocrinus subcrassus</b><br>HETEROCRINUS (IOCRINUS)<br>POLYXO  | <b>Lichas</b><br>TERATASPIS   |
| <b>Hebertella vulgaris</b><br>ORTHIS PERVETA  | <b>Ischadites iowaensis</b><br>RECEPTACULITES FUNGOSUM<br>R. GLOBULARE<br>R. RETICULATA  | <b>Lingulella (Lingulepis) acuminata</b><br>LINGULA ANTIQUA<br>L. PINNAFORMIS   |
| <b>Hedera ovalis</b><br>CHONDROPHYLLUM NORDENSKIOLDI  | <b>Ischilina granois latimarginata</b><br>LEPERDITIA MARGINATA   | <b>Lingulella (Lingulepis) exigua</b><br>OBOLUS (LINGULEPIS) GREGVA   |
| <b>Heliophyllum halli</b><br>STROMBODES HELIANTHOIDES   | <b>Isoteloides homalonotoides</b><br>ASAPHUS TRIANGULATUS  | <b>Lingulella ferruginea</b><br>LEPTOBOLUS GEMMULUS<br>OBOLLELLA GEMAULA  |
| <b>Hicoria</b><br>CARYA   | <b>Isoteloides whitfieldi</b><br>ASAPHUS CANALIS<br>ISOTELUS CANALIS Grabau and Shimer   | <b>Liospira perlata</b><br>PLEUROTOMARIA SOLARIOIDES  |
| <b>Hicoria juglandiformis</b><br>CARYA BILINICA<br>JUGLANS BILINICA   | <b>Isotelus gigas</b><br>ASAPHUS PLANUS<br>A. PLATYCEPHALUS<br>BRONGNIARTIA ISOTELEA   | <b>Liospira vitruvia</b><br>RAPHISTOMA LENTICULARIS   |
| <b>Hindella prinstana</b><br>ATHYRIS TURGIDA  | <b>Jonesella crepidiformis</b><br>LEPERDITIA CREPIDIFORMIS   | <b>Liquidambar obtusilobatus</b><br>ACERITES PRISTINUS  |
| <b>Hindella ? (Greenfieldia) whitfieldi</b><br>MERISTELLA BELLA   | <b>Juglans rhamnoides</b><br>RHAMNUS ROSSMASSLERI  | <b>Lophospira bicincta</b><br>MURCHISONIA MILLERI   |
| <b>Hindia sphaeroidalis</b><br>ASTYLOSPIONGIA INORNATA<br>CALAMOPORA FIBROSA<br>HYALOSTELIA SOLIVAGA                                      | <b>Kingena occidentalis</b><br>TEREBRATULA WACOENSIS   | <b>Lophospira conradana</b><br>MURCHISONIA VENTRICOSA   |
| <b>Hipparionyx proximus</b><br>ATRYPA UNGUIFORMIS<br>ORTHIS CONRADI<br>O. HIPPARIONYX<br>O. UNGUIFORMIS<br>STREPTORHYNCHUS<br>HIPPARIONYX | <b>Kionoceras cancellatum</b><br>ORTHO CERAS (KIONOCERAS)<br>ANGULATUM<br>O. COLUMNARE<br>O. LINEOLATUM<br>O. ORUS<br>O. HOYI<br>O. IRREGULARIS<br>O. SCAMMONTI<br>O. SUBCELLATUM<br>O. VIRGATUM<br>O. WOODWORTHII | <b>Lophospira serrulata</b><br>MURCHISONIA TRICARINATA  |
| <b>Holopea paludiformis</b><br>TURBO AMERICANUS   | <b>Kionoceras darwini</b><br>CYRTOCERAS MYRICA   | <b>Lophospira tropidophora</b><br>MURCHISONIA MULIGRUMA   |
| <b>Homalonotus delphinocephalus</b><br>OGYGIA LATISSIMUS  | <b>Kionoceras laqueatum</b><br>ORTHO CERAS HARTANUM  | <b>Loxonema priscum</b><br>HOLOBELLA PILIGERA   |
| <b>Homocospira apriniformis</b><br>ATRYPA APRINIS<br>RHYNCHOSPIRA APRINIS   | <b>Kloedenella symmetrica</b><br>BOLLEA LATA   | <b>Loxoplocus solutus</b><br>MURCHISONIA TROPIDOPHORA   |
| <b>Homotelus gratiosus</b><br>ASAPHUS SUSAE<br>ISOTELUS SUSAE<br>ONCHOMETOPUS SUSAE   | <b>Kutorgina cingulata</b><br>OBOLLELLA PHILLIPSI  | <b>Lunatia concinna</b><br>NATICA MOREAUENSIS   |
| <b>Hormotoma salteri canadensis</b><br>MURCHISONIA (HORMOTOMA) GRACILIS   | <b>Lasiograptus (Thysanograptus) eucharis</b><br>DIPLOGRAPTUS RUEDEMANNI   | <b>Lyellia glabra</b><br>SARCINULA COSTATA  |
| <b>Hormotoma terebiformis</b><br>MURCHISONIA BELLICINCTA  | <b>Leperditia hisingeri</b><br>CYTHERE BALTHICA  | <b>Lytoceras timotheanum</b><br>AMMONITES JURINIANUS  |
| <b>Hormotoma trentonensis</b><br>MURCHISONIA MAJOR  | <b>Lepidodendron aculeatum</b><br>ASIDARIA UNDULATA<br>SAGENARIA CORDATA   | <b>Maclurites magnus</b><br>EUOMPHALUS MACLURII   |
| <b>Hudsonaster matufinus</b><br>PETRASTER RIGIDUS   | <b>Leptaena incrassata</b><br>STROPHOMENA FASCIATA<br>S. PLICIFERA   | <b>Macrochilina subcostata</b><br>BUCCINUM ARCULATUM<br>B. IMBRICATUM<br>LOXONEMA APPRESSUM<br>L. PHILLIPSI<br>MAROCHELUS ARCULATUS<br>M. ELONGATUS<br>M. SCHLOTHEIMI |
| <b>Huronia vertebralis</b><br>SACTOCERAS CANADENSE  | <b>Leptaena rhomboidalis</b><br>PRODUCTUS DEPRESSA<br>P. SULCIFER<br>STROPHOMENA ANALOGA<br>S. DEPRESSA<br>S. RUGOSA<br>S. UNDULATA<br>S. UNDULOSA   | <b>Mariopteris muricata</b><br>ALETHOPTERIS NERVOSA<br>PECOPTERIS NERVOSA   |
| <b>Hyattidina congesta</b><br>ATRYPA QUADRICOSTATA<br>ORTHIS QUADRICOSTATA<br>TRIPLECLA QUADRICOSTATA<br>RHYNCHONELLA QUADRICOSTATA       |  | <b>Meretrix nitida</b><br>CHIONE VARIANS<br>CYTHEREA (CALLISTA) LACINATA<br>C. LEONENSIS Etheridge<br>C. (CARYATIS) PLANA<br>VENUS (MERCENARIA) VARIANS               |
| <b>Hyalithes americanus</b><br>THECA TRIANGULARIS   |  | <b>Meristina maria roemeri</b><br>ATHYRIS TUMIDA  |
| <b>Hyalithes billingsi</b><br>SALTERELLA OBTUSA   |  | <b>Mesotrypa mummiformis</b><br>DIPLOTRYPA MILLERI  |
| <b>Hystriocurus cordai</b><br>BATHYURUS SEELYI  |  | <b>Modiolopsis modiolaris</b><br>CYPRICARDITES ANGUSTIFRONS<br>C. OVATA<br>LYONSIA SUBMODIOLARIS  |

**Modiolopsis orthonota**  
CYPRICARDIA LEIDYI

**Modiolopsis primigenia**  
AVICULA ALATA

**Modiolopsis sinuata**  
CYPRICARDITES ANODONTOIDES

**Monograptus**  
LAGENOGRAPTUS

**Monograptus clintonensis**  
GRAPTOLITHUS PRIODON

**Murchisonia billingsana**  
PLEUROTOMARIA HERCYNIA

**Nelumbo dawsoni**  
BRASENIA ANTIQUA

**Nemagraptus gracilis**  
RASTRITES BARRANDI

**Nemodon fischeri**  
ARCA CONCINNA  
A. (NEMODON) CONCINNATA

**Nemodon vancouverensis**  
ARCA BREWERIANA

**Neuropteris dentata**  
CYCLOPTERIS UNDANS

**Neuropteris heterophylla**  
ODONTOPTERIS SQUAMINGER  
O. SQUAMOSA

**Neuropteris tenuifolia**  
CYCLOPTERIS ELEGANS

**Nilsonia schamburgensis**  
ANGIOPTERIDIUM STRICHINERVE

**Niobe quadrataudata**  
ASAPHUS MORRISI

**Nucleospora pisiformis**  
ORTHIS PISUM

**Nucula lirata**  
CUCULLAEA OPIMA

**Nyetopora billingsi**  
COLUMNARIA GOLDFUSSI

**Obolella crassa**  
AVICULA DESQUAMATA

**Obolus matinalis**  
LINGULEPIS PINNAFORMIS  
ORBICULA PRIMA

**Odontopteris scholtheimi**  
FLICITES OSMUNDAEFORMIS  
F. VESICULARE  
WEISSITES VESICULARIS

**Ogygites canadensis**  
ASAPHUS HALLI  
A. HINCKSI

**Olcostephanus cepoides**  
AMMONITES LOGANIANUS

**Olcostephanus oblatum**  
AMMONITES LOGANIANUS

**Oleandra graminacifolia**  
CEPHALOTAXOPSIS RAMOSA  
PINUS NORDENSKIÖLDI

**Olenellus thompsoni**  
OLENUS VERMONTANA  
PARADOXIDES MACROCEPHALUS

**Olenoides nevadaensis**  
OGYGIA SERRATA

**Omospora alexandra**  
MURCHISONIA VENTRICOSA Salter

**Omphyma verrucosa**  
ZAPHRENTIS BIGSEYI

**Onchometopus susac**  
ISOTELUS FLORENCEVILLENSIS

**Onychiopsis göpperti**  
THYRSOPTERIS ALATA  
T. ANGUSTILOBA  
T. BELLA  
T. DECURRENS  
T. DENSIFOLIA  
T. DISTANS  
T. DISTANS  
T. ELLIPTICA  
T. HETEROMORPHA  
T. INAEQUIPINNATA  
T. MEEKANA ANGUSTILOBA  
T. MICROLOBA  
T. MICROLOBA ALATA  
T. PACHYRACHIS  
T. PINNATIFIDA  
T. RARINERVIS  
T. RHOMBIFOLIA  
T. VARIANS  
T. VIRGINICA

**Onychiopsis latiloba**  
THYRSOPTERIS CRENATA  
T. DIVARICATA

**Onychiopsis nervosa**  
THYRSOPTERIS CRASSINERVIS  
T. HETEROLOBA  
T. MEEKANA  
T. OBTUSILOBA  
T. PECOPTEROIDES

**Onychiopsis psilotoides**  
THYRSOPTERIS INSIGNIS

**Ophileta bella**  
HELICOTOMA UNIANGULATA

**Orbiculoidea lamellosa**  
DISCINA CIRCE  
D. TRUNCATA  
ORBICULA TRUNCATA

**Orthis flabellites**  
PLATYSTROPHIA FLABELLA

**Orthoceras fusiforme**  
GOMPHOCERAS HALLI

**Orthostrophia strophomenoides**  
ORTHIS HALLI

**Orthothetes crenistria**  
HEMIPRONITES UMBRACULUM

**Osmunda doroschkiana**  
PECOPTERIS TORELLII

**Oxydiscus manitobensis**  
PLEUROTOMARIA BIFIDA

**Oxytoma mucronata**  
PTERIA (OXYTOMA) MUNSTERI

**Pachydietya crassa**  
PHILODICTYA ARGUTA  
P. RUSTICA  
P. TENERA  
STICTOPORA SCITULA

**Pachydiscus suciensis**  
AMMONITES COMPLEXUS  
A. BREVERIANUS

**Palaeofavosites asper**  
FAVOSITES ALVEOLARIS  
F. CAPAX  
F. STELLATA

**Paracyclas elliptica**  
LUCINA ELLIPTICA OCCIDENTALIS  
L. OCCIDENTALIS

**Paracyclas elliptica occidentalis**  
LUCINA ELLIPTICA

**Parastrophia hemiplicata**  
CAMARELLA BERNENSIS

**Parazyga hirsuta**  
ATHYRIS CHLOE  
ATRYPA CHLOE  
NUCLEOSPIRA INDIANENSIS  
RETZIA CHLOE

**Pecopteris**  
ASPIDITES

**Pecopteris plumosa**  
NEUROPTERIS SERRULATA

**Pentagonia unisulcata**  
GONIOCOELIA UNIANGULATA

**Pentamerella arata**  
ATRYPA OCTOCOSTATA

**Pentremites godoni**  
ENCRINITES FLOREALIS

**Pentremites whitei**  
ACTINOCRINUS OLLICULUS

**Phacopidella**  
ACASTE

**Phaenopora expansa**  
ESCHARA BIPUNCTATA  
PHILODICTYA BIPUNCTATA  
P. PLATYPHYLLA

**Phaenopora incipiens**  
PHILODICTYA PUNCTATA

**Pholidostrophia iowaensis**  
STROPHOMENA LEPIDA  
S. NACREA

**Phragmolites**  
CONRADELLA

**Phylloceras forbesianum**  
AMMONITES ROUYANUS

**Phylloceras ramosum**  
AMMONITES VELEDAE

**Phytospira tubulosa**  
FUCODES DEMISSUS

**Pianodema subaequata perveta**  
ORTHIS KASSUBAE  
O. MEDIA

**Pilekia apollo**  
AMPHION CAYLEI

**Placentoceras placenta**  
intercalaris  
AMMONITES SYRTALIS  
A. TAMULICUS

**Plasmopora petaliformis**  
HELIOLITES SPARSUS

**Platanus heeri**  
SASSAFRAS RECURVATUS

**Platystrophia acutilirata**  
SPIRIFER SHEPHARDI

**Platystrophia biforata**  
DELTHYRIS BRACHYNOTA  
D. LYNX  
ORTHIS LYNX  
SPIRIFER BIFORATA LYNX

**Platystrophia crassa**  
ORTHIS BIFORATA DENTATA  
O. CENTROSA  
O. COSTATA  
O. (PLATYSTROPHIA) DENTATA

**Platystrophia lynx**  
ORTHIS BIFORATA

**Plectambonites sericeus**  
STROPHOMENA SEMIOVALIS

**Plectambonites transversalis**  
STROPHOMENA ELEGANTULA

- Plectoceras halli**  
CRYPTOCERAS UNDATUM  
INACHUS UNDATUS Conrad (part)  
TROCHOLITES UNDATUS
- Plethocardia cordiformis**  
CYPRICARDITES CORDIFORMIS
- Plethopeltis saratogensis**  
BATHYURUS ARMATUS
- Pleuromya subcompressa**  
PANOPAEA PAPYRACEA
- Prasopora selwyni**  
MONTICULIPORA (DIPLOTRYPA)  
WHITEAVESI
- Primitia muta**  
CYTHEROPSIS CONCINNA
- Proetus stonemani**  
ASAPHUS EXTANS
- Prolobella subelliptica**  
AVICULA ELLIPTICA  
PTERINEA ELLIPTICA
- Prolobella trentonensis**  
AVICULA AVIFORMIS
- Protocrisina exigua**  
CRISINELLA OELIENSIS
- Pseudosphaerexochus vulcanus**  
CHEIRURUS PROLIFICUS
- Pterinea (Caritodens) demissa**  
AVICULA SUBRETROFLEXA
- Pterygometopus carleyi**  
DALMANITES CALLICEPHALUS
- Ptilodictya magnifica**  
STENOPORA MAMMULATA
- Ptychoparia adamsi**  
CONOCEPHALITES ADAMSI  
C. ARENOSUS
- Ptychoparia orestes**  
CONOCEPHALITES HALLII
- Ptychoparia ouangondianus**  
CONOCEPHALITES AURORA
- Ptychoparia oweni**  
CONOCORYPHE GALLATIENSIS  
CREPICEPHALUS CENTRALIS
- Ptychoparia robbi**  
CONOCEPHALITES FORMOSUS
- Ptychoparia tener**  
CONOCEPHALITES NEGLECTUS
- Pycnostylus guelphensis**  
AMPLEXUS LAXATUS
- Rafinesquina deltoidea**  
STROPHOMENA CAMERATA
- Rafinesquina minnesotensis**  
STROPHOMENA INCRASSATA
- Raphistoma minnesotense**  
EUOMPHALUS VARICINUS
- Raphistoma stamineum**  
MACLUREA LABIATUS  
PLEUROTOMARIA CALYX  
P. CREVERI  
P. PAUPER  
SCALITES PLANISTRIA  
STRAPAROLLUS ANGULATUS  
S. LABATUS  
S. PLANISTRIA
- Receptaculites oweni**  
COSCNOPORA SULCATA
- Rensselaeria ovoides**  
PENTAMERUS DESHAYEI  
TEREBRATULA PEROVALIS
- Reticularia fimbriata**  
MARTINIA RICHARDSONI  
SPIRIFER UNDIFFERA
- Rhacopteris busseana**  
PSEUDOBALERA MCINTOSHI
- Rhinidictya mutabilis**  
STICTOPORA MUTABILIS MINOR
- Rhinobolus galtensis**  
TRIMERELELLA MINOR
- Rhipidomella circulus**  
ORTHIS CIRCULARIS
- Rhipidomella uberis**  
ORTHIS AEQUIVALVIS
- Rhombotrypa quadrata**  
CHAETTES RHOMBICUS  
MONTICULIPORA MULTITUBER-  
CULATA  
M. RECTANGULARIS
- Rhynchonella cuneata americana**  
ATRYPA CUNEATA
- Rhynchonella inaequivalve**  
HEMYTHIRIS INCREBESCENS
- Rhynchospira praeformosa**  
RETZIA FORMOSA
- Rhynchotrema capax**  
ATRYPA INCREBESCENS
- Rhynchotrema increbescens**  
TREMATOSPIRA QUADRIPPLICATA
- Rhynchotrema cuneata americana**  
ATRYPA CUNEATA
- Rhythmia radiata**  
ORTHODESMA ASHMANI
- Richardsonella oweni**  
ANOMOCARELLA OWENI
- Rostellites gabbi**  
VOLUTLITHES NAVARROENSIS
- Ruffordia göpperti**  
CLADOPHLEBIS SPHENOPTEROIDES  
SPHENOPTERIS PACHYPHYLLA  
S. SPATULA  
S. VALDENSIS
- Rusophycus biloba**  
CRUZIANA BILOBATA
- Sagenopteris mantelli**  
GLOSSOZAMITES KLIPFSTINI
- Scenella superba**  
CONCHOPHELITES MINNESOTENSIS
- Schizophoria striatula**  
ORTHIS IOWAENSIS FURNARIUS  
O. IOWAENSIS PROPINQUA  
O. IMPRESSA
- Schizotreta pelopea**  
DISCINA CONCORDENSIS
- Schizotreta tenuiflamellata**  
DISCINA CLARA  
D. FORBESI  
D. SOLTARIA
- Schloenbachia inflata**  
AMMONITES ROSTRATUS
- Schuchertella chemungensis**  
ORTHIS INAEQUALIS  
O. PRAVUS  
STROPHOMENA BIFURCATA  
S. PECTINACEA
- Schuchertella chemungensis perversus**  
ORTHISINA ALTERNATA
- Semicoscinium tenuiceps**  
FENESTELLA PRISCA
- Seminula argentea**  
ATHYRUS SUTTLATA  
SPIRIGERA CAPUT-SERPENTIS  
S. CHARITONENSIS  
S. HAWNI  
S. SINGLETONI  
S. SUTTLATA  
TEREBRATULA ANTISIENSIS  
T. PERUVIANA  
T. PLANOSULCATA  
T. ROISSYI (d'Orbigny)  
T. SUTTLATA
- Sequoia ambigua**  
ATHROTAXOPSIS EXPANSA  
GLYPTOSTROBUS BROOKENSIS  
SPHENOLEPIDIUM DENTIFOLIUM  
S. RECURVIFOLIUM
- Sequoia langsdorfi**  
TAXODIUM DISTICHUM MIOCENUM
- Serrifusus dakotensis vancouverensis**  
FUSUS (SERRIFUSUS) DAKOTENSIS
- Sigillaria**  
ASOLANA  
CLATHRARIA
- Sinuites cancellatus**  
BELLEROPHON BILOBATUS  
CYTOLITES BILOBATUS
- Siphonocrinus armosus**  
GLYPTASTER SIPHONATUS
- Solenopora compacta**  
ACTINOSTROMA TRENTONENSIS  
TETRADIUM PEACOCKI CANADENSE
- Sphaerium formosum**  
CYCLAS FRAGILE
- Sphaerospongia tessellata**  
DICTYOPHYTON GEROLSTEINENSE
- Sphenolepis kurriana**  
ATHROTAXOPSIS GRANDIS  
GLYPTOSTROBUS EXPANSUS  
SPHENOLEPIDIUM PARCERAMOSUM  
S. VIRGINICUM
- Sphenozamites rogersianus**  
CALAMITES PUNCTATUS
- Spirifer acuminatus**  
DELTHYRIS PRORA  
TEREBRATULA ACUMINATISSIMA
- Spirifer arenosus**  
DELTHYRIS ARENARIA
- Spirifer (Delthyris) crispus**  
DELTHYRIS STAMINEA
- Spirifer disjunctus**  
DELTHYRIS ACANTHOTA  
D. CHEMUNGENSIS  
D. CUSPIDATA  
D. INERMIS  
D. PERIATUS  
D. PROLATA
- Spirifer granulosis**  
DELTHYRIS CONGESTA  
D. GRANULIFERA  
D. GRANULOSA
- Spirifer (Eospirifer) radiatus**  
DELTHYRIS BIALVEATA
- Spirifer (Delthyris) sulcatus**  
DELTHYRIS DECEMPPLICATUS  
D. RUGATINA
- Spyroceras clintoni**  
ORTHO CERAS SUBARCUATUM



**Spyroceras subannulatum**  
CYPTOCERAS ANNULATUM

**Straparollus catilloides**  
EUOMPHALUS RUGOSUS  
E. SUBRUGOSA  
SERPULA (SPIRORBIS)  
PLANORBITES

**Streptelasma corniculum**  
PETRAIA OTTAWAENSIS  
TURBINOLIA MITRATA

**Streptelasma divaricans**  
ZAPHRENTIS INAEQUALIS

**Streptelasma profficum**  
ZAPHRENTIS CORTICATA  
Z. GENTIVIA

**Streptelasma rusticum**  
PETRAIA CANADENSIS  
ZAPHRENTIS CANADENSIS  
Z. CORNICULUM

**Streptelasma selectum**  
PETRAIA PULCHELLA

**Stringocephalus burtini**  
TEREBRATULA PORRECTA

**Stromatocerium huronense**  
ALVEOLITES GRANULOSA

**Strombodes mamillatus**  
ASTREA MAMILLARIS

**Strophalosia truncata**  
STROPHOMENA PUSTULOSA

**Stropheodonta**  
BRACHYPRION

**Stropheodonta perplana**  
STROPHOMENA CRENISTRIA  
S. DELTHEYRIS  
S. PLEURISTRATA

**Stropheodonta (Brachyprion)**  
**philomela**  
BRACHYPRION VENTRICOZA

**Stropheodonta (Brachyprion)**  
**profunda**  
STROPHOMENA NIAGARENSIS

**Strophomena filitexta**  
ORTHIS INCURVATA  
PRODUCTIA INCURVATA

**Strophomena incurvata**  
LEPTAENA FILITEXTA  
STREPTORHYNCHUS CONVEXUM  
S. FILITEXTA

**Strophomena neglecta**  
HEMIPRONITES FILITEXTUS

**Strophomena planumbona**  
HEMIPRONITES SUBTENTA  
STREPTORHYNCHUS  
(STROPHOMENA) ELONGATA

**Strophomena trentonensis**  
LEPTAENA SUBTENTA  
STREPTORHYNCHUS SUBTENTA

**Strophonella striata**  
STROPHOMENA HANOVERENSIS

**Strotoerinus regalis**  
ACTINOCRINUS PERUMBROSUS

**Subulites elongatus**  
LEPTAENA SUBELONGATA

**Surcula raricosta**  
TURRIS VARICOSTATA

**Sycodes glaber**  
FICUS CYPROCOIDES  
PYRULA GLABRA

**Synaptophyllum multicaule**  
ERIDOPHYLLUM VENNORI

**Syringopora maclurei**  
AULOPORA CORNUA

**Tancredia americana**  
HETTANGIA AMERICANA

**Tarphyceras calciferus**  
NAUTILUS CAMPBELLI

**Taxocrinus lobatus**  
FORBESIOCRINUS LOBATUS HARDUS

**Tetradella quadrilirata**  
BEYRICHIA REGULARIS

**Tetragraptus quadribrachiatu**  
TETRAGRAPSUS CRUCIALIS

**Tetragraptus serra**  
DIDYMOGRAPSUS CADUCEUS  
GRAPTOLITES (DIDYMOGRAPTUS)  
BRYONOIDES  
GRAPTOLITHUS BRYONOIDES  
G. QUADRIBRACHIATUS

**Tetragraptus similis**  
DIDYMOGRAPTUS CADUCEUS  
GRAPTOLITHUS BIGSEYI

**Thaleops clavifrons**  
ILLAENUS VINDEX

**Thaleops ovatus**  
ILLAENUS HERRICKI

**Thamnograptus capillaris**  
RASTRITES BARRANDI Hall

**Thaumastus limneaformis**  
BULIMUS NEBRASCENSIS

**Trachypora ornata**  
DENDROPORA ORNATA TESTE

**Trematis huronensis**  
PRODUCELLA MINNEAPOLIS

**Tremonatus alpheus**  
BELLEROPHON (BUCANIA)  
PERFORATUS

**Triarthrus beeki**  
BRONGNIARTIA CARCINOIDEA  
CANCER TRILOBOIDES  
OLENUS ARCUATUS  
O. TRIARTHURUS  
PARADOXIDES ARCUATUS  
P. EATONI  
P. TRIARTHURUS

**Trigonia intermedia**  
LYRODON CLAVELLATUS

**Triplecia insularis**  
**anticostiensis**  
ORTHIS INSULARIS

**Trocholites ammonius**  
TROCHOLITHUS UTICUS

**Tropidoleptus carinatus**  
LEPTAENA LATICOSTA

**Whitfieldella prosseri**  
MERISTELLA LAEVIS

**Zacanthoides levis**  
EMBOLIMUS SPINOSA

**Zamites megaphyllum**  
IRITIS ALASKANA  
NAGEIOSIS LONGIFOLIA  
PODOZAMITES GRANDIFOLIUS

**Zaphrentis etcelleus**  
HETEROPHRENTIS EXCELLENS

**Zitteloceras hallianum**  
CYRTOCERAS HILLINGSI  
C. LAMELLOSUM

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