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H A Nicholson (1844-1899),

**invertebrate palaeontologist:
bibliography and catalogue of
his type and figured material**

M J BENTON

GEOLOGY 7

NOVEMBER 1979

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- 2 A catalogue of the Akkadian cuneiform tablets in the collections of the Royal Scottish Museum, Edinburgh.
Stephanie Dalley. (In preparation)
- 3 A catalogue of North Athapaskan Indian artefacts in the collection of the Royal Scottish Museum, Edinburgh.
Dale Idiens. (March 1979)

**H A Nicholson (1844-1899),
invertebrate palaeontologist:
bibliography and catalogue of
his type and figured material**

M J BENTON

EDINBURGH 1979

Preface

Henry Alleyne Nicholson described over 50 new genera and more than 300 new species and varieties of fossil invertebrates from both sides of the Atlantic and is one of the most significant descriptive palaeontologists ever to have worked in Scotland. His researches are well known and of fundamental taxonomic importance in certain phyla, particularly the Coelenterata, Bryozoa and Graptolithina. Later workers, however, have been hampered by difficulty in tracing Nicholson's type material which was scattered in many repositories where it has sometimes remained unrecognised. In 1967 and 1968 H.A. Nicholson's grandson, the late Dr Douglas N. Nicholson of Edinburgh, presented to the Royal Scottish Museum a collection of nearly 1000 thin sections containing several hundred type and figured specimens. Recently Mr M.J. Benton and Dr H.N. Trewin of Aberdeen University have recognised a great many of Nicholson's type and figured specimens in the collection of the Geology Department of that University (Benton and Trewin 1978b.) The Royal Scottish Museum has welcomed the extension to its own collections, as well as to other repositories, of Mr Benton's interest in recognising Nicholson's types. His work has resulted in the present publication, the first comprehensive statement of the whereabouts of known Nicholson type and figured material, which will be an invaluable reference for the many palaeontologists whose work brings them into touch with the mighty labours of H.A. Nicholson.

Like all such catalogues the present work is presented as a tentative statement and the Royal Scottish Museum will be glad to be informed of any errors or shortcomings which readers may discover in it so that its records may be corrected. The Museum thanks Mr Benton for the enthusiasm and hard work which has made possible the production of this catalogue.

C.D. WATERSTON
Keeper of Geology

Introduction

AIM

This catalogue is an attempt to list all type and figured specimens of H.A. Nicholson that can be traced. His work was extensive and covered nearly all Lower Palaeozoic invertebrate phyla, but his collections are now scattered through many institutions.

The present catalogue stemmed from work on the Nicholson collection in Aberdeen University (Benton and Trewin, 1978b). I visited most institutions containing Nicholson material (AUGD, RSM, BMNH, HM, GSM, GSE, UC) and corresponded with others (KM, DI, SM, GSC). Most of the visits were carried out in April 1977. Of his 3000 or so type and figured specimens, nearly three-quarters were identified with published figures during the present study.

H.A. NICHOLSON

Biography and work

Henry Alleyne Nicholson was born in 1844 at Penrith, Cumberland. He had a distinguished career as a student at Edinburgh and Göttingen Universities, obtaining degrees in medicine and science. His first post was as lecturer on Natural History in Edinburgh and he became Professor of Natural History at Toronto University in 1871. In 1874 he returned to a post in Newcastle before moving to St Andrews in 1875 and then to Aberdeen in 1882 where he remained until his untimely death in 1899.

Nicholson's work ranges over nearly all phyla of fossil invertebrates of the Lower Palaeozoic in particular. The bulk of his early work (1866-1872) was on graptolites and Lake District geology. In Canada he wrote monographs on the Silurian and Devonian fossils (71, 80). His work in the years 1873-1875 ranged over annelids, trace fossils (see 167), stromatoporoids, corals and Bryozoa. In 1876 he published a series of papers on Scottish Carboniferous Rugosa with James Thomson. Work with Robert Etheridge (jun.) on fossils of the Girvan district (123, 128, 133) and on tabulate corals (127) and monticuliporoids (135) firmly established the use of thin sections in taxonomic work on corals and bryozoans. Nicholson was one of the earliest workers to use thin sections in this way, and his papers of the period 1877-1889 recorded many important advances in the interpretation of internal structures. Apparently Nicholson cut all his thin sections himself, making over 4000 during his lifetime and, despite the primitive techniques used then, his slides are still useful. Examples of completed slides and unground thick sections on glass plates may be seen in RSM, BMNH and AUGD.

Nicholson's *Monograph of the British Stromatoporoids* (1886-1892) is possibly his most important work and is "the essential starting point and most fundamental work on stromatoporoids" (Lecompte, 1956: W123-4). W.A. Parks (1907, 1908, 1909, 1910) revised the Ordovician and Silurian stromatoporoids of North America and reproduced many of Nicholson's descriptions and figures, although he did not examine any of his original specimens. Stearn (1966) redescribed many of Nicholson's stromatoporoids and his work on Bryozoa is reviewed by Perry et al. (1973). Continuing monographic revision of Nicholson's Bryozoa is being carried out by A. Horowitz (Indiana) and associates.

The subject matter of Nicholson's 150 or so papers and monographs is summarised at the end of the bibliography and indexes to the 56 genera, 320 species and 18 varieties (= subspecies) that he founded are also given. Table 1 reviews the taxa he founded and shows the large range of phyla he studied and the shifts in his main interests over the years.

In addition to his original work, Nicholson published several successful textbooks on zoology and palaeontology which ran to many editions in Britain and America. He was deeply interested in education, promoting the teaching of science in schools and was an excellent lecturer and field-worker.

Further information on Nicholson's life will be found in the following obituaries:

Anon. *Aberdeen Free Press*, 20/1/1899, p. 4.

Anon. *Aberdeen Journal*, 20/1/1899, p. 5.

Anon. *Alma Mater: Aberdeen University Magazine*, 16: 115-122, portr.

(Some very useful notes on aspects of Nicholson's life by Anon., A. Brown, A.W. Gibb, and F.R. Japp).

Hinde, G.J., 1899. *Geol. Mag.*, (dec. 4), 6: 138-144, pl. 4.

Lydekker, R., 1899. *Nature*, Lond., 49: 298-9.

Marr, J.E., 1900. *Yearbook R. Soc. Lond.*, (1900): 189-193.

Also in: *Proc. R. Soc. Lond.*, 75 (1905): 33-38.

Woodward, H., 1903. Memorial to Henry Alleyne Nicholson M.D., D.Sc., F.R.S. *Geol. Mag.*, (dec. 4), 10: 451-2, pl. 21.

Collections

Nicholson personally collected thousands of fossils in Britain (Lake District, South Scotland, Devon, Shropshire, etc.), Germany (Eifel), Sweden (Isle of Gotland), USSR (Estonia), Canada (Ontario), USA (Ohio). These collections were distributed around various institutions during and after his lifetime. Briefly, all Nicholson collections that have been located are in the following repositories (repository abbreviations used throughout the catalogue are indicated):

(a) *Royal Scottish Museum, Edinburgh (RSM)*

(1) Various Canadian corals and Bryozoa presented by Nicholson in 1875 and 1879 containing several type and figured specimens;

(2) An important collection of 1000 slides presented in 1967 and 1968 by Dr D.N. Nicholson, grandson of

Table 1 New genera and species (including "varieties") founded by Nicholson, summarised in five-year totals for various groups of animals

	1866 -		1871 -		1876 -		1881 -		1886 -		1891 -		Totals	
	1870	1875	1880	1885	1890	1895	Gen.	Spp.						
Graptolites	4	34	2	11	4	-	-	-	1	-	1	10	47	
Trace fossils	-	3	1	4	-	-	-	-	-	-	-	1	7	
Annelida, Inc. Sed.	-	-	2	12	-	-	-	-	-	-	-	2	12	
Rugosa	-	-	3	21	8	21	-	1	-	-	-	11	43	
Bryozoa	-	-	5	56	6	10	1	22	-	3	-	12	91	
Stromatoporoids	-	-	1	12	3	5	-	-	4	25	1	16	9	58
Tabulata	-	-	-	15	5	19	-	3	3	3	-	-	8	40
Mollusca	-	-	-	9	-	-	-	-	-	-	-	-	-	9
Brachiopoda	-	-	-	2	-	-	-	-	-	1	-	-	-	3
Trilobites	-	-	-	-	1	11	-	-	-	8	-	-	1	19
Others (Cirripedes, Porifera, Echinoderms)	-	-	-	-	1	4	-	-	-	-	-	-	1	4
Algae	-	-	-	-	1	2	-	1	-	2	-	-	1	5
Totals	4	37	14	142	29	72	1	27	7	43	1	17	56	338

Henry Alleyne, containing several hundred type and figured corals, Bryozoa, and others.

(b) *British Museum (Natural History), London (BMNH)*

- (1) Several hundred Canadian corals, Bryozoa, etc., bought in 1875 and 1883, few of them apparently figured;
- (2) Collection of 1400 graptolites bought in 1883, containing most of Nicholson's type and figured specimens;
- (3) 300 thin sections of corals bought in 1875 and 1883;
- (4) Nicholson's collection of type and figured stromatoporoids (1284 slides and several thousand hand specimens) was purchased in 1895, together with his handwritten catalogue;
- (5) The Mrs R Gray collection of fossils from the Girvan area containing nearly all the specimens and slides figured by Nicholson and Etheridge in 1878-1880;
- (6) The Hinde and Foord collections of Bryozoa may contain some material described by Nicholson;
- (7) The McCormick, Jack, Daintree and Dunstan collections of Australian fossils contain material described by Nicholson and Etheridge in the 1880's.

(c) *Aberdeen University, Geology Department (AUGD)*

Aberdeen holds the collections left at Nicholson's death. There are many figured and type specimens from his early work in Canada and from his later researches on corals and Bryozoa. There are also collections of graptolites and stromatoporoids which seem to be the unfigured portions of the collections in the British Museum. A fire during the First World War damaged Nicholson's collection and it was first catalogued in the 1940's. A catalogue of type and figured specimens in the Aberdeen Palaeontology Collections has been published (Benton and Trewin, 1978b).

(d) *Glasgow Museum, Kelvingrove (KM)*

(e) *Dick Institute, Kilmarnock (DI)*

(f) *Hunterian Museum, Glasgow University (HM)*

These three institutions contain parts of the James Thomson collection of Scottish Carboniferous Rugosa, many of which were used by Thomson and Nicholson in their papers of 1876. A fire at the Dick Institute in the 1920's largely destroyed the Thomson collections (W.D.I. Rolfe, pers. comm. 1977). Dorothy Hill sorted out the Thomson material for her monograph (1938-41).

(g) *Geological Survey Museum, London (GSM)*

(h) *Geological Survey of Scotland Museum, Edinburgh (GSE)*

These institutions contain a few specimens collected by others which Nicholson described.

(i) *Sedgwick Museum, Cambridge (SM)*

The Harkness and Marr collections contain a few specimens described by Nicholson

(j) *Field Museum of Natural History, University of Chicago (UC)*

The U.P. James collection acquired in 1890 contains some corals and bryozoans from Ohio lent by him to Nicholson for description.

(k) *Geological Survey of Canada, Museum (GSC)*

A small number of Nicholson's Canadian specimens are preserved here. Some specimens may have been held at the University of Toronto, but a fire in 1890 destroyed all traces (Fritz, 1939).

Acknowledgements

My sincere thanks are due to many people. For permitting me to examine their collections in Britain and the United States, I am indebted to the following: RSM (Dr C.D. Waterston, Mr W. Baird); BMNH (Dr B.R. Rosen, Mr R.F. Wise, Miss J.G. Darrell (Coelenterata and Bryozoa); Dr R.A. Fortey, Mr S.F. Morris (Arthropods and Graptolites); Mr E.F. Owen (Brachiopods); Dr R.P.S. Jefferies, Mr D.N. Lewis (Echinoderms and Trace Fossils); Dr M.K. Howarth, Dr N.J. Morris, Mr R.J. Cleavelly (Molluscs); Mr S. Ware (Sponges and Worms); Miss L.M. Sheppard (Ostracods); Dr G.F. Elliott (Algae); Dr C.G. Adams (Protozoa); AUGD (Dr N.H. Trewin); HM (Dr W.D.I. Rolfe); GSM (Dr A.W.A. Rushton); GSE (Dr R. Wilson); UC (Dr E.S. Richardson).

For helpful correspondence on various topics, I thank the following: Stromatoporoids (Dr C.W. Stearn (McGill University, Montreal), Dr J. St Jean (Chapel Hill, N. Carolina), Dr J.A. Fagerstrom (Lincoln, Nebraska)); Rugosa (Dr R.K. Jull (Windsor, Ontario), Dr D. Hill (Queensland), Dr W.D.I. Rolfe (Hunterian Museum, Glasgow), Dr E. Campbell (Glasgow Museum), Dr M.J. Bishop (Dick Institute, Kilmarnock), Dr A.G. Sleeman (Geol. Surv. Ireland)); Tabulata (Dr K. Oekentorp (Münster)); Bryozoa (Dr A.S. Horowitz (Bloomington, Indiana), Dr N. Spjeldnaes (Aarhus, Denmark)); Trilobites (Mr R. Tripp (BMNH), Mrs Y. Howells (Keele, Staffordshire), Dr A.W.A. Rushton (IGS, London)); Graptolites (Dr I. Strachan (Birmingham), Dr R.B. Rickards (Sedgwick Museum, Cambridge), Dr J. Hutt (Aberdeen)); Algae (Prof. A. Wood (Aberystwyth), Dr R. Riding (Cardiff)); General (Mr D.H. Collins (Royal Ontario Museum), Dr T.E. Bolton (Geological Survey of Canada, Ottawa), Mr A.E. Truckell (Dumfries), Mr P.J. Brand (GSE)).

For a grant towards my trip to America, I thank Aberdeen Endowments Trust, and for a grant towards my travels around Britain, I thank the Carnegie Trust. I am also grateful to the many anonymous drivers who gave me lifts between the various British institutions.

My special thanks are due to Dr Alan S. Horowitz for many lengthy letters concerning Nicholson type Bryozoa and for permission to use much of this information. Finally, I must thank Dr C.D. Waterston for his great help in preparing the manuscript for publication and especially for arranging the processing and funding of publication.

Repository abbreviations:

- AUGD: Aberdeen University, Geology Department.
BMNH: British Museum (Natural History).
DI: Dick Institute, Kilmarnock.
GSC: Geological Survey of Canada, Ottawa.
GSE: Geological Survey of Scotland, Edinburgh.

GSM: Geological Survey Museum, London.
 HM: Hunterian Museum, Glasgow University.
 KM: Glasgow Museum, Kelvingrove.
 OSU: Ohio State University, Columbus.
 RSM: Royal Scottish Museum, Edinburgh
 SM: Sedgwick Museum, Cambridge.
 UC: Field Museum of Natural History, University of
 Chicago.

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Michael J. Benton, November, 1977

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H. A. Nicholson
 United College
 St. Andrews
 May 10th/77

Gen
525

My dear Sir,
 Inis last I wrote to
 you about the Swinney lectureship
 I have discovered that it is almost
 wholly necessary to send in some
 testimonials, though I shall make
 them as few as possible.
 Under these circumstances, I
 venture to hope that you may
 feel yourself justified in giving me
 an expression of your opinion as to
 my fitness for the post, & I shall
 feel very grateful if you should
 send yourself able to do so —
 yours very truly
 H. Alleyne Nicholson
 Prof. A. Geikie, LL.D., F.R.S.

Fistulipora Canadensis
 Billings
Corniferus Lincolnae
 Western Ontario

Fistulipora proporoidea - Nich.
 Hamilton
 New York
 (Trybe)



Examples of handwriting by H. Alleyne Nicholson

- Fig. 1. Letter to Professor A Geikie, May 10th 1877. Reproduced by kind permission of the Keeper of Manuscripts, Edinburgh University Library. (Registered as Gen 524).
- Fig. 2. Typical manuscript specimen label. *Fistulipora proporoidea* RSM 1879.58.7.
- Fig. 3. Typical manuscript specimen label. *Fistulipora canadensis* RSM 1875.1.48-9.
- Fig. 4. Typical labelled slides. a.) *Favosites gothlandica* RSM 1967.66.137, b.) *Fistulipora muscosa* RSM 1967.66.316.

Bibliography of the Scientific Papers and Monographs of H A Nicholson

NOTES ON THE BIBLIOGRAPHY

Sources and dates

The bibliography which follows contains all the papers and books written by Nicholson or Nicholson and co-authors. Titles were extracted from the *Royal Society Catalogue of Scientific Papers*, vol. 8 (1879), vol. 10 (1894) and vol. 17 (1921). During his lifetime, at least three (rather inaccurate and incomplete) lists of Nicholson's writings were published as follows:

List of the scientific works and memoirs by Henry Alleyne Nicholson. Toronto, 8vo., 1873.
Ditto. St. Andrews, 8vo., 1877, Pp. 12.
Ditto. Blackwood & Sons, Edinburgh, 8vo., 1881, Pp 19 (123 titles).

Nicholson wrote 12 textbooks and 150 papers and monographs, 41 of which were co-authored. The exact date of publication of each is indicated as closely as I could establish. The dates of issue of most of his books and monographs have been ascertained from the records of Blackwoods (Edinburgh). Dates of publication of journal articles are for the separate parts and not for completion of the volume (i.e. not the title page date). Most journal parts bear a date to the nearest month, and this is given in the bibliography. However, some doubtful cases are indicated by a question mark (?). The Royal Society of Edinburgh and the British Association could not supply dates of publication for their journals in the late 19th century for example.

Papers are arranged, as far as possible, in order of publication, and each is assigned a number (1-167). Textbooks are numbered at the end of the bibliography (168-181). Each paper is given a letter designation (A, B, C...) following its year of publication. Papers which appeared over several months or years are listed as separate parts and cross-referenced.

Taxonomic implications

The question of dates is of taxonomic importance in some cases when Nicholson described new taxa in more than one publication in the same year. Some examples are:

- (1) Many of the new species described in 71 had already been described in 61-65, 69. However, 74 probably came after 71.
- (2) The specimens described in 80 (Nicholson) were largely described in 67 (Nicholson & Hinde). 67 is often given as published in 1875 since the journal volume bears the date "1875" on the title page. However, the part in question bears the date "April 1874".
- (3) 104 (Nicholson and Thomson) was probably published after 93-95, 97, 100 (Thomson and Nicholson) (see note after 104 in the bibliography).

(4) 127 (Nicholson) was published on September 25th, 1879. 128 (Nicholson and Etheridge) was published in September and October 1879. The descriptions of *Araeopora australis* n. gen. n. sp. and *Stenopora jackii* n. sp. were published in October and are usually attributed to Nicholson and Etheridge. However, an adequate description and figures are given in 127 and the names should, strictly, be attributed to Nicholson alone.

A: SCIENTIFIC PAPERS, MONOGRAPHS AND POPULAR ARTICLES:

Abbreviations:

A = annelid; A1 = alga; B = bryozoan; Bi = bivalve; Br = brachiopod; G = graptolite; Ga = gastropod; R = rugose coral; S = stromatoporoid; Sp = sponge (Porifera); St = star-fish (Asteroidea); T = tabulate coral; T.F. = trace fossil; Tr = trilobite; U = fossil of uncertain affinities; Cr = crinoid.

1. 1866A (R. HARKNESS & H.A.N.) 'Additional observations on the geology of the Lake-Country'. *Rep. Brit. Ass. Advmt Sci.* 1865, Trans. Sections, 1866: 57-58 (? Aug. 1866) (abstr.). Also in: *Q. Jl geol. Soc.*, London, 22: 480-486 (Nov. 1866).
2. 1866B (R. HARKNESS & H.A.N.) 'On the Silurian rocks of the Isle of Man'. *Rep. Brit. Ass. Advmt Sci.* 1865, Trans. Sections, 1866: 58-59 (? Aug. 1866) (abstr.).
3. 1866C (R. HARKNESS & H.A.N.) 'On the lower Silurian rocks of the Isle of Man'. *Q. Jl geol. Soc.*, London 22: 488-491, 1 fig. (Nov. 1866).
4. 1866D 'On some fossils from the graptolitic shales of Dumfriesshire'. *Geol. Mag.*, London, Dec. 1, 3: 488-489, pl. 17 (Nov. 1866). Also in: *Rep. Brit. Ass. Advmt Sci.* 1866, Trans. Sections, 1867: 63 (? Apr. 1867) (abstr.).
5. 1867A 'On some fossils from the lower Silurian rocks of the South of Scotland'. *Geol. Mag.*, London, Dec. 1, 4: 107-113, pl. 7 (Mar. 1867).
Corynoides calicularis n. gen. n. sp. (G)
Diplograpsus tubulariformis n. sp. (G)
Diplograpsus acuminatus (sic.) n. sp. (misprint; given as *D. acuminatus* elsewhere in the paper and in subsequent papers) (G)
Didymograpsus anceps n. sp. (G)
6. 1867B 'Graptolites of the Moffat shales'. *Geol. Mag.*, London, Dec. 1, 4: 135-136 (Mar. 1867).
7. 1867C 'Graptolites'. *Geol. Mag.*, London, Dec. 1, 4: 238-239 (May 1867).
8. 1867D 'On a new genus of graptolites, with notes on reproductive bodies.' *Geol. Mag.*, London, Dec. 1, 4: 256-263, pl. 11 (Jun. 1867).
Also in: *Trans. Edinb. geol. Soc.*, 1: 57-64, pl. 2 (16. i. 1869).
Pleurograpsus n. gen. (G)
Diplograpsus Harknessii n. sp. (G)

9. 1868A 'On the nature and systematic position of the Graptolitidae.' *Ann. Mag. nat. Hist.*, London, (4), 1: 55-61, pl. 3 (Jan. 1868). Also in: *Rep. Brit. Ass. Advmt Sci.* 1867, Trans. Sections, 1868, 71, 96 (? Apr. 1868) (abstr.).
Diplograpsus physophora n. sp. (figured, not described) (G)
Diplograpsus vesiculosus n. sp. (figured, not described) (G)
10. 1868B 'On the graptolites of the Skiddaw series.' *Q. Jl geol. Soc.*, London, 24: 8-9 (abstr.), 125-245, pls. 5-6 (Feb., May 1868). (See 13.)
Dichograpsus multiplex n. sp. (G)
Dichograpsus reticulatus n. sp. (G)
Pleurograpsus vagans n. sp. (G)
11. 1868C I. - 'The graptolites of the Skiddaw series, etc. II. - On the classification of graptolites'. *Geol. Mag.*, London, Dec. 1, 5: 150-152 (Mar. 1868).
12. 1868D 'On the occurrence of the genus *Ptilograpsus* in Britain; with notes on the Ludlow graptolites'. *Ann. Mag. nat. Hist.*, London, (4), 1: 238-241, 1 fig. (Apr. 1868).
Ptilograpsus anglicus n. sp. (G)
13. 1868E 'On the graptolites of the Skiddaw slates'. *Rep. Brit. Ass. Advmt Sci.*, 1867, Trans. Sections, 1868, 71-72 (? Apr. 1868) (abstr.). (See 10.).
14. 1868F (R. HARKNESS & H.A.N.) 'On the Coniston Group of the Lake District'. *Rep. Brit. Ass. Advmt Sci.*, 1867, Trans. Sections, 1868, 61 (? Apr. 1868) (abstr.). Also: 'On the Coniston Group'. *Q. Jl geol. Soc.*, London, 24: 296-303, 1 fig. (Aug. 1868).
15. 1868G 'Notes on *Helicograpsus*, a new genus of graptolites'. *Ann. Mag. nat. Hist.*, London, (4), 2: 23-26, 2 figs. (Jul. 1868).
Helicograpsus n. gen. (G)
16. 1868H *An essay on the geology of Cumberland and Westmorland*. 8vo., Robert Hardwicke, London and Manchester 1868: viii, 93, 14 figs., 3 foldout pls. (? Aug./Sept. 1868).
17. 1868I 'Notes on the distribution in time of the various British species and genera of graptolites'. *Ann. Mag. nat. Hist.*, London, (4), 2: 347-357, table (Nov. 1868).
18. 1868J 'On the graptolites of the Coniston flags; with notes on the British species of the genus *Graptolites*'. *Q. Jl geol. Soc.*, London, 24: 521-545, pls. 19-20 (Nov. 1868).
Diplograpsus confertus n. sp. (G)
Diplograpsus tamariscus n. sp. (G)
Retiolites perlatus n. sp. (G)
Graptolites lobiferus var. *exiguus* n. var. (G)
Graptolites Sedgwickii var. *spinigerus* n. var. (G)
Graptolites fimbriatus n. sp. (G)
Graptolites Nilssoni var. *major* n. var. (G)
Graptolites Nilssoni var. *minor* n. var. (G)
Graptolites discretus n. sp. (G)
19. 1869A 'On the occurrence of fossils in the old red sandstone of Westmorland'. *Trans. Edinb. geol. Soc.*, 1: 15-18 (16. i. 1869).
20. 1869B 'On the granite of Shap, in Westmorland'. *Trans. Edinb. geol. Soc.*, 1: 133-137 (16. i. 1869).
21. 1869C 'On the relations between the Skiddaw slates and the green slates and porphyries of the Lake District'. *Geol. Mag.*, London, Dec. 1, 6: 105-108, 167-173 (Mar., Apr. 1869).
22. 1869D 'Notes on the green slates and porphyries of the neighbourhood of Ingleton'. *Geol. Mag.*, London, Dec. 1, 6: 213-215 (May 1869).
23. 1869E 'On the British species of the genera *Climacograpsus*, *Diplograpsus*, *Dicranograpsus* and *Didymograpsus*'. *Q. Jl geol. Soc.*, London, 25: 254 (Aug. 1869) (title only). See: *Geol. Mag.*, London, Dec. 1, 6: 224-225 (May 1869) (abstr.).
24. 1869F 'On some new species of graptolites'. *Ann. Mag. nat. Hist.*, London, (4), 4: 231-242, pl. 11 (Oct. 1869). Also in: *Rep. Brit. Ass. Advmt Sci.*, 1869, Trans. Sections, 1870, 98 (? Apr. 1870) (abstr.).
Trigonograpsus lanceolatus n. gen. n. sp. (G)
Dichograpsus fragilis n. sp. (G)
Dichograpsus (?) annulatus n. sp. (G)
Diplograpsus Hopkinsoni n. sp. (G)
Diplograpsus armatus n. sp. (G)
Diplograpsus Hughesi n. sp. (G)
Diplograpsus sinuatus n. sp. (G)
Diplograpsus bimucronatus n. sp. (G)
Diplograpsus insectiformis n. sp. (G)
Diplograpsus vesiculosus n. sp. (first figured in 9) (G)
Climacograpsus innotatus n. sp. (G)
Climacograpsus tuberculatus n. sp. (G)
Graptolites argenteus n. sp. (G)
Didymograpsus affinis n. sp. (G)
Didymograpsus fasciculatus n. sp. (G)
25. 1869G 'Notes on certain of the intrusive igneous rocks of the Lake District'. *Q. Jl geol. Soc.*, London, 25: 435-441, map (Nov. 1869).
26. 1869H 'On the occurrence of plants in the Skiddaw slates'. *Geol. Mag.*, London, Dec. 1, 6: 494-498, pl. 18 (Nov. 1869).
Buthotrephis Harknessi n. sp. (T.F.)
Buthotrephis (?) radiata n. sp. (T.F.)
Eophyton (?) palmatum n. sp. (T.F.)
27. 1869I *Is vaccination injurious? A popular essay on the principles and practice of vaccination*. 8vo., Churchill & Sons, London 1869. 40. (? date)
28. 1870A 'Notes on the geology of Derwentwater, in Cumberland'. *Trans. Edinb. geol. Soc.*, 1: 274-278, 1 fig., pl. 9 (15. i. 1870).
29. 1870B 'On the British species of *Didymograpsus*'. *Ann. Mag. nat. Hist.*, London, (4), 5: 337-357, 9 figs., pl. 7 (May 1870).
30. 1870C 'On the genus *Climacograpsus*; with notes on the British species of the genus.' *Ann. Mag. nat. Hist.*, London, (4), 6: 370-384, 6 figs. (Nov. 1870).
31. 1870D 'Notes on the lower portion of the green slates and porphyries of the Lake District between Ulleswater and Keswick'. *Q. Jl geol. Soc.*, London, 26: 599-610, 5 figs. (Nov. 1870).
32. 1871A (R. HARKNESS & H.A.N.) 'On the green slates and porphyries of the Lake District'. *Rep. Brit. Ass. Advmt Sci.*, 1870, Trans. Sections, 1871, 74 (? Apr. 1871).
33. 1871B 'On the 'colonies' of M. Barrande'. *Canad. Nat. Geol.* (n. ser.) 6: 188-203 (Dec. 1871).
34. 1872A 'Man's place in nature'. *Canadian Monthly and National Review*, Jan. 1872, 35-45.
35. 1872B 'On the occurrence of the genus *Endoceras* in Britain'. *Geol. Mag.*, London, Dec. 1, 9: 102-104, 1 fig. (Mar. 1872).
36. 1872C 'On the genera *Cornulites* and *Tentaculites*, and on a new genus *Conchicolites*'. *Am. Jl Sci.*, (3), 3: 202-206, 2 figs. (Mar. 1872).
Conchicolites gregarius n. gen. n. sp. (U)

37. 1872D *A monograph of the British Graptolitidae. Part I, General introduction.* (No more published). 8vo., Blackwood & Sons, Edinburgh and London 1872. xii, 133, 74 figs. (8. iii. 1872). Review: *Nature*, London, 5: 418-419 (R. Etheridge).
Graptolites vomerinus n. sp. (G)
38. 1872E 'Notes on some valleys of erosion.' *Geol. Mag.*, London, Dec. 1, 9: 318-321 (Jul. 1872).
39. 1872F 'Contemporaneity of strata, and the doctrine of geological continuity.' *Canad. JI Ind. Sci. Hist.* (n. ser.), 13: 269-281 (Jul. 1872).
40. 1872G 'Sexual selection in man.' *Canad. Nat. Geol.* (n. ser.), 6: 449-459 (Aug. 1872).
41. 1872H 'Migrations of the graptolites.' *Q. JI geol. Soc.*, London, 28: 217-232 (Aug. 1872).
42. 1872I 'On *Ortonia*, a new genus of fossil tubicolar annelides, with notes on the genus *Tentaculites*.' *Geol. Mag.*, London, Dec. 1, 9: 446-449, 1 fig. (Oct. 1872). Also in: *Rep. Brit. Ass. Advmt Sci.*, 1872, Trans. Sections, 1873, 118-119 (? Jun. 1873).
Ortonia conica n. gen. n. sp. (U)
43. 1872J 'Preliminary report on dredgings in Lake Ontario.' *Ann. Mag. nat. Hist.*, London, (4), 10: 276-285 (Oct. 1872).
44. 1872K 'On the generative expenditure of man.' *Edinb. med. JI*, 17: 332-338 (Oct. 1872).
45. 1872L 'On the Coniston limestone of Cumberland and Westmorland, and its associated rocks.' *Trans. Edinb. geol. Soc.*, 2: 84-94 (? Dec. 1872).
46. 1872M 'On the correlation of the Silurian deposits of the north of England with those of the south of Scotland.' *Trans. Edinb. geol. Soc.*, 2: 105-113 (? Dec. 1872).
47. 1872N 'The imperfections of the palaeontological record.' *Canad. JI Ind. Sci. Hist.*, (n. ser.), 13: 379-391 (Dec. 1872).
48. 1873A 'Descriptions of two new species of fossil tubicolar annelides.' *Geol. Mag.*, London, Dec. 1, 10: 54-57, pl. 4 (figs. 2, 3) (Feb. 1873).
Conchicolites corrugatus n. sp. (U)
Ortonia minor n. sp. (U)
49. 1873B 'On some fossils from the Quebec group of Point Lévis, Quebec.' *Ann. Mag. nat. Hist.*, (4), 11: 133-143, 3 figs. (Feb. 1873).
Dictyonema grandis n. sp. (G)
Tetragrapsus approximatus n. sp. (G)
Clonograpsus n. gen. (G)
Dawsonia acuminata n. gen. n. sp. (?G)
Dawsonia rotunda n. sp. (?G)
Dawsonia tenuistriata n. sp. (?G)
Dawsonia campanulata n. sp. (?G)
50. 1873C 'On the Silurian rocks of the English Lake District.' *Proc. Geol. Ass.*, 3: 105-114 (? Feb. 1873).
51. 1873D. 'On the geology of the Thunder Bay and Shaberdowan mining-districts on the north shore of Lake Superior.' *Q. JI geol. Soc.*, London, 29: 16-24, map and section (Feb. 1873). Also in: *Rep. Brit. Ass. Advmt Sci.*, 1872, Trans. Sections, 1873, 118 (? Jun. 1873). (See 81.)
52. 1873E 'Contributions to a Fauna Canadensis; being an account of the animals dredged in Lake Ontario in 1872.' *Canad. JI Ind. Sci. Hist.*, (n. ser.), 490-506, 4 figs. (May 1873).
Clepsine patelliformis n. sp. (A, recent)
Clepsine sub-modesta n. sp. (A, recent)
Nepheleis vermiformis n. sp. (A, recent)
Saenuris canadensis n. sp. (A, recent)
53. 1873F 'Notice of a silicified forest in the Rocky Mountains, with an account of a supposed fossil chip.' *Rep. Brit. Ass. Advmt Sci.*, 1872, Trans. Sections, 1873, 192 (? June 1873).
54. 1873G 'Contributions to the study of the errant annelides of the older Palaeozoic rocks.' *Proc. R. Soc.*, London, 21: 288-290 (? Jul. 1873) (abstr.), See 167 for full text with comments.
Arenicolites robustus n. sp. (nom. nud.) (T.F.)
Planolites vulgaris n. gen. (n. sp. nom. nud.) (T.F.)
Planolites granosus n. sp. (nom. nud.) (T.F.)
Planolites articulatus n. sp. (nom. nud.) (T.F.)
Caridolites Wilsoni n. gen. n. sp. (nom. nud.) (T.F.)
55. 1873H 'On some new species of *Stromatopora*.' *Ann. Mag. nat. Hist.*, London, (4), 12: 89-95, pl. 4 (Aug. 1873).
Stromatopora ostiolata n. sp. (S)
Stromatopora tuberculata n. sp. (S)
Stromatopora granulata n. sp. (S)
Stromatopora mammulata n. sp. (S)
56. 1873I 'On the law of succession in palaeontology.' *Trans. Edinb. geol. Soc.*, 2: 215-219 (? Oct. 1873).
57. 1873J 'Descriptions of new fossils from the Devonian rocks of Western Ontario.' *Canad. Nat. Geol.*, (n. ser.), 7: 138-147 (Nov. 1873).
Zaphrentis fenestrata n. sp. (R)
Blothrophyllum approximatum n. sp. (R)
Heliophyllum Colbornense n. sp. (R)
Petraia (?) *Logani* n. sp. (R)
Alecto (?) *Canadensis* n. sp. (B)
58. 1873K 'On the species of *Favosites* of the Devonian rocks of Western Ontario.' *Canad. JI Ind. Sci. Hist.*, (n. ser.), 14: 38-50 (Nov. 1873).
59. 1873L 'President's address' [On the position of science in education] *Minutes of the Thirteenth Annual Convention of the Ontario Association for the Advancement of Education* (1873): 16-26 (Dec. 1873).
60. 1874A 'On the affinities of the genus *Stromatopora*, with descriptions of two new species.' *Ann. Mag. nat. Hist.*, London, (4), 13: 4-14, 3 figs. (Jan. 1874).
Stromatopora perforata n. sp. (S)
Stromatopora Hindei n. sp. (S)
61. 1874B 'Descriptions of new fossils from the Devonian formation of Canada West'. [part i] (see 62, 64, 65, 69) *Geol. Mag.*, London, Dec. 2, 1: 10-16, pl. 2 (figs. 1-3) (Jan. 1874).
Callopora incrassata n. sp. (B)
Alveolites frondosa n. sp. (T)
Alveolites Selwynii n. sp. (T)
62. 1874C 'Descriptions of new fossils from the Devonian formation of Canada West'. [part ii] (see 61, 64, 65, 69) *Geol. Mag.*, London, Dec. 2, 1: 54-60, pl. 4 (figs. 4-9) (Feb. 1874).
Alveolites (Coenites) distans n. sp. (T)
Alveolites conferta n. sp. (T)
Alveolites ramulosa n. sp. (T)
Alveolites Billingsi n. sp. (T)
Chaetetes moniliformis n. sp. (B)
Chaetetes Barrandi n. sp. (B)

- Chaetetes quadrangularis* n. sp. (B)
Heliophyllum sub-caespitosum n. sp. (R)
Heliophyllum proliferum n. sp. (R)
63. 1874D 'Descriptions of two new genera and species of Polyzoa from the Devonian rocks'. *Ann. Mag. nat. Hist.*, London, (4), 13: 77-85, 2 figs. (Feb. 1874).
Cryptopora mirabilis n. gen. n. sp. (B)
Carinopora Hindei n. gen. n. sp. (B)
64. 1874E 'Descriptions of new fossils from the Devonian formation of Canada'. [part iii] (see 61, 62, 65, 69) *Geol. Mag.*, London, Dec. 2, 1: 117-126, pl. 6 (figs. 10-15) (Mar. 1874).
Productella Eriensis n. sp. (Br)
Leiorhynchus Huronensis n. sp. (Br)
Taeniopora exigua n. gen. n. sp. (B)
Taeniopora penniformis n. sp. (B)
Ptilodictya Meeki n. sp. (B)
Clathropora intertexta n. sp. (B)
65. 1874F 'Descriptions of new fossils from the Devonian formation of Canada'. [part iv] (see 61, 62, 64, 69) *Geol. Mag.*, London, Dec. 2, 1: 159-163, pl. 9 (figs. 16-21) (Apr. 1874).
Botryllopora socialis n. gen. n. sp. (B)
Ceripora (?) *Hamiltonensis* n. sp. (B)
Polypora pulchella n. sp. (B)
Polypora tenella n. sp. (B)
Polypora tuberculata n. sp. (B)
Retepora Phillipsi n. sp. (B)
66. 1874G 'Summary of recent researches on the palaeontology of the province of Ontario, with brief descriptions of some new genera'. *Canad. Jl. Ind. Sci. Hist.* (n. ser.), 14: 125-136 (Apr. 1874).
67. 1874H (H. A. N. & G. J. HINDE) 'Notes on the fossils of the Clinton, Niagara and Guelph formations of Ontario, with descriptions of new species'. *Canad. Jl. Ind. Sci. Hist.* (n. ser.), 14: 137-152, 137*-144* (mistake in pagination - repetition of pp. 137-144), 6 figs. (Apr. 1874).
Planolites vulgaris n. sp. (T.F.)
Ptilodictya punctata n. sp. (B)
Tentaculites neglectus n. sp. (U)
Favosites Halliana n. sp. (T)
Coenites lunata n. sp. (T)
Alveolites Niagarensis n. sp. (T)
Astraeophyllum gracile n. gen. n. sp. (R)
Cannapora annulata n. sp. (R)
Clathropora intermedia n. sp. (B)
Megalomus compressus n. sp. (Bi)
68. 1874I *Report on the natural history collections of the University of Toronto*. Printed by order of the Senate, April 1874. (not seen)
69. 1874J 'Descriptions of new fossils from the Devonian formation of Canada.' [pt. v] (see 61, 62, 64, 65) *Geol. Mag.*, London, Dec. 2, 1: 197-201, pl. 9 (figs. 22-26) (May 1874).
Fenestella magnifica n. sp. (B)
Fenestella marginalis n. sp. (B)
Fenestella filiformis n. sp. (B)
Spirorbis Arkonensis n. sp. (A)
Ortonia intermedia n. sp. (U)
70. 1874K 'On *Duncanella*, a new genus of Palaeozoic corals'. *Ann. Mag. nat. Hist.*, London, (4), 13: 333-335, 5 figs. (May 1874).
Duncanella borealis n. gen. n. sp. (R)
71. 1874L *Report upon the palaeontology of the province of Ontario*. 8vo, Hunter, Rose & Co., Toronto, 1874, 133, 58 t-figs., 8 pls. (? May 1874).
Clisiophyllum pluriradiale n. sp. (R)
Favosites Chapmani n. sp. (T)
Platyceras uniseriale n. sp. (Ga)
Strophostylus ? sub-globosus n. sp. (Ga)
Strophostylus ? ovatus n. sp. (Ga)
Strophostylus obliquus n. sp. (Ga)
Holopea Eriensis n. sp. (Ga)
Helicotoma serotina n. sp. (Ga)
Syringopora intermedia n. sp. (T)
72. 1874M 'On *Columnopora*, a new genus of tabulate corals'. *Geol. Mag.*, London, Dec. 2, 1: 253-254, 1 fig. (Jun. 1874).
Columnopora cribriformis n. gen. n. sp. (T)
73. 1874N 'Letter from Professor Nicholson on the genera *Conchicolites* and *Ortonia*. *Cincinnati Q. Jl. Sci.*, 1: 236-238 (Jul. 1874).
74. 1874O 'Descriptions of species of *Chaetetes* from the lower Silurian rocks of North America.' *Q. Jl. geol. Soc.*, London, 30: 499-515, pls. 29-30 (Nov. 1874).
Chaetetes approximatus n. sp. (B)
Chaetetes attritus n. sp. (B)
Chaetetes gracilis n. sp. (B)
Chaetetes delicatulus n. sp. (B)
Chaetetes ? nodulosus n. sp. (B)
Chaetetes Jamesi n. sp. (B)
Chaetetes rhombicus n. sp. (B)
Chaetetes clathratulus n. sp. (B)
Chaetetes discoideus n. sp. (B)
Chaetetes corticans n. sp. (B)
Chaetetes Ortoni n. sp. (B)
75. 1875A 'Descriptions of new species of *Cystiphyllum* from the Devonian rocks of North America.' *Geol. Mag.*, London, Dec. 2, 2: 30-33, pl. 1 (Jan. 1875). Also in: *Rep. Brit. Ass. Advmt Sci.*, 1874, Trans. Sections. 1875, 91 (? May 1875). (abstr.)
Cystiphyllum Ohioense n. sp. (R)
Cystiphyllum squamosum n. sp. (R)
Cystiphyllum fruticosum n. sp. (R)
Cystiphyllum superbum n. sp. (R)
76. 1875B 'Descriptions of new species and of a new genus of Polyzoa from the Palaeozoic rocks of North America.' *Geol. Mag.*, London, Dec. 2, 2: 33-38, pl. 2 (Jan. 1875).
Heterodictya gigantea n. gen. n. sp. (B)
Ptilodictya cosciniformis n. sp. (B)
Fenestella Davidsoni n. sp. (B)
Ceramopora Huronensis n. sp. (B)
Retepora Trentonensis n. sp. (B)
77. 1875C 'Descriptions of species of *Hippothoa* and *Alecto* from the lower Silurian rocks of Ohio, with a description of *Aulopora arachnoidea*, Hall' *Ann. Mag. nat. Hist.*, London, (4), 15: 123-127, pl. 11 (Feb. 1875). Also in: *Rep. Brit. Ass. Advmt Sci.*, 1874, Trans. Sections, 1875, 90 (? May 1875) (abstr.)
Alecto auloporoides n. sp. (B)
Alecto frondosa n. sp. (B)
Alecto confusa n. sp. (B)
78. 1875D 'Descriptions of new species of Polyzoa from the lower and upper Silurian rocks of North America.' *Ann. Mag. nat. Hist.*, London, (4), 15: 177-184, pl. 14 (Mar. 1875). Also in: *Rep. Brit. Ass. Advmt Sci.*, 1874, Trans. Sections, 1875, 90-91 (? May 1875) (abstr.)
Ptilodictya falciformis n. sp. (B)
Ptilodictya emacerata n. sp. (B)
Ptilodictya flagellum n. sp. (B)
Ptilodictya (?) arctipora n. sp. (B)
Ptilodictya fenestelliformis n. sp. (B)

- Fenestella nervata* n. sp. (B)
Ceramopora ohioensis n. sp. (B)
79. 1875E (H.A.N. & W.H. ELLIS) 'On a remarkable fragment of silicified wood from the Rocky Mountains. *Canad. JI Ind. Sci. Hist.*, (n. ser.), 14: 148-153, 1 fig. (Mar. 1875). Also in: *Rep. Brit. Ass. Advmt Sci.*, 1874, Trans. Sections, 1875, 88-89 (? May 1875) (abstr.).
80. 1875F 'Report upon the palaeontology of the province of Ontario. 8vo, Hunter, Rose & Co., Toronto, 1875, 93, 45 t-figs., 4 pls. (? Mar. 1875).
Chaetetes undulatus n. sp. (B)
Diplograpsus Hudsonicus n. sp. (G)
Murchisonia Boylei n.sp. (Ga)
Callopora minutissima n. sp. (B)
Stromatopora nulliporoides n. sp. (S)
Favistella calcina n. sp. (R)
Spirorbis spinuliferus n. sp. (A)
Holopea? occidentalis n. sp. (G)
81. 1875G 'On the mining districts on the north shore of Lake Superior'. *Trans. N. Engl. Inst. Min. mech. Engrs.*, 24: 237-248, pls. 39-40 (? Aug., 1875). (see 51).
82. 1875H 'On some of the massive forms of *Chaetetes*, from the lower Silurian.' *Geol. Mag.*, London, Dec. 2, 2: 175-177 (Apr. 1875).
83. 1875I 'On the mode of growth and increase amongst the corals of the Palaeozoic period'. *Trans. R. Soc. Edinb.*, 27: 237-250, pl. 17 (? May 1875). Also in *Proc. R. Soc. Edinb.*, 8: 498-499 (abstr.).
84. 1875J 'On *Favistella stellata* and *Favistella calcina*, with notes on the affinities of *Favistella* and allied genera.' *Rep. Brit. Ass. Advmt Sci.*, 1874, Trans Sections, 1875, 89-90 (? May 1875) (abstr.). Also in: *Geol. Mag.*, London, Dec. 2, 2: 279 (Jun. 1875) (abstr.).
Columnaria Halli n. sp. (R)
85. 1875K 'Description of the corals of the Silurian and Devonian systems; Descriptions of Amorphozoa from the Silurian and Devonian formations; Descriptions of Polyzoa from the Silurian formation.' *Rep. geol. Surv. Ohio*, 2, pt. 2 (Palaeontology); 181-242, 243-255, 257-268, pls. 21-23, 24, 25 (? Jun. 1875). In 135 p. 119, Nicholson states that 85 was 'not published till the middle of 1875.' See also 135 p. 16. There was also a German edition of 85, published in the United States, the details of which are: 'Beschreibung der Korallen des silurischen and devonischen Systems: Bericht über die geologische Aufnahme von Ohio, II. Band. Geologie und Paläontologie, II. Theil, Paläontologie.' (Columbus, Ohio, G.F. Brand & Co.), pp. 179-266. (A.S. Horowitz, personal communication, March 1977).
Chaetetes sub-pulchellus n. sp. (B)
Chaetetes briareus n. sp. (B)
Chaetetes sigillartoides n. sp. (B)
Chaetetes Newberryi n. sp. (B)
Chaetetes petechialis n.p. (B)
Constellaria polystomella n. sp. (B)
Palaeophyllum divaricans n. sp. (R)
Acerularia Clintonensis n. sp. (R)
Favosites pleurodictyoides n. sp. (T)
Favosites invaginata n. sp. (T)
Zaphrentis Edwardsi n. sp. (R)
Zaphrentis Wortheni n. sp. (R)
Zaphrentis multi-lamellata n. sp. (R)
Stromatopora ponderosa n. sp. (S)
Stromatopora sub-striatella n. sp. (S)
Stromatopora nodulata sp. (S)
Syringostroma densa n. gen. n. sp. (S)
Syringostroma columnaris n. sp. (S)
Dictyostroma undulata n. gen. n. sp. (R)
86. 1875L 'On the Guelph limestones of North America and their organic remains'. *Geol. Mag.*, London, Dec. 2, 2: 343-348 (Aug. 1875). Also in: *Proc. R. phys. Soc. Edinburgh*, 4: 45-46 (? Aug. 1875) (abstr.).
87. 1875M 'On a new genus and some new species of graptolites from the Skiddaw slates'. *Ann. Mag. nat. Hist.*, London (4), 16: 269-273, pl. 7 (Oct. 1875). First part only, entitled 'On *Azygograptus*, a new genus of graptolites from the Skiddaw slates' in *Rep. Brit. Ass. Advmt Sci.* 1875, Trans. Sections, 1876, 76 (? Jun. 1876).
Azygograptus Lapworthi n. gen. n. sp. (G)
Thammograptus Doveri n. sp. (G)
Didymograptus gibberulus n. sp. (G)
88. 1875N 'Notes on the Gasteropoda of the Guelph formation of Canada'. *Q. J. geol. Soc.*, London, 31: 543-551, 1 t-fig., pl. 26 (Nov. 1875).
89. 1875O 'The nature of life; being the introductory lecture to the course of natural history delivered in the United College, St. Andrews, 3rd Nov. 1875.' 8vo., Blackwood & Sons, Edinburgh, 1875, 24 (issued 13. xi. 1875).
90. 1875P (J. THOMSON & H.A.N.) 'Contributions to the study of the chief generic types of the Palaeozoic corals.' (see 92, 93, 94, 95, 97, 100) *Ann. Mag. nat. Hist.*, London, (4), 16: 305-309 (Nov. 1875).
91. 1875Q *Invertebrate Palaeontology in the Geological Record for 1874*, Vol. 1, 1875, pp. 283-329 (? Dec. 1875).
92. 1875R (J. THOMSON & H.A.N.) 'Contributions to the study of the chief generic types of the Palaeozoic corals.' (see 90, 93, 94, 95, 97, 100) *Ann. Mag. nat. Hist.*, London, (4), 16: 424-429, pl. 12 (Dec. 1875).
93. 1876A (J. THOMSON & H.A.N.) 'Contributions to the study of the chief generic types of the Palaeozoic corals.' (see 90, 92, 94, 95, 97, 100) *Ann. Mag. nat. Hist.*, London, (4), 17: 60-70, pls. 6-7 (Jan. 1876).
94. 1876B (J. THOMSON & H.A.N.) 'Contributions to the study of the chief generic types of the Palaeozoic corals.' (see 90, 92, 93, 95, 97, 100) *Ann. Mag. nat. Hist.*, London, (4), 17: 123-128, pl. 8 (Feb. 1876).
Lophophyllum parvulum n. sp. (figured, not described) (R)
Lophophyllum reticulatum n. sp. (figd., not described) (R)
Centrotus Lindström n. gen. (R)
95. 1876C (J. THOMSON & H.A.N.) 'Contributions to the study of the chief generic types of the Palaeozoic corals.' (see 90, 92, 93, 94, 97, 100) *Ann. Mag. nat. Hist.*, London, (4), 17: 290-305, pls. 12-17 (Apr. 1876).
Koninckophyllum proliferum n. gen. n. sp. (figd., not described) (R)
Koninckophyllum magnificum n. sp. " (R)
Koninckophyllum interruptum n. sp. " (R)
Koninckophyllum Lindströmi n. sp. " (R)
Koninckophyllum radiatum n. sp. " (R)
Koninckophyllum retiforme n. sp. " (R)
96. 1876D (H.A.N. & J. THOMSON) 'Organic remains in the metamorphic rocks of Harris.' (see 101) *Ann. Mag. nat. Hist.*, London, (4), 17: 414 (May 1876)
97. 1876E (J. THOMSON & H.A.N.) 'Contributions to the study of the chief generic types of the Palaeozoic corals.' (see 90, 92, 93, 94, 95, 100) *Ann. Mag. nat. Hist.*, London, (4), 17: 451-462, pls. 21-25 (Jun. 1876).
Acrophyllum n. gen. (R)
Dibunophyllum Muirheadi n. gen. n. sp. (R)
Dibunophyllum M'Chesneyi n. sp. (R)

98. 1876F (H.A.N. & C. LAPWORTH) 'On the central group of the Silurian series of the north of England.' *Rep. Brit. Ass. Advmt Sci.*, 1875, Trans. Sections, 1876, 78-79 (? Jun. 1876) (abstr.).
99. 1876G 'Notes on the correlation of the graptolitic deposits of Sweden with those of Britain'. *Geol. Mag.*, London, Dec. 2, 3: 245-249, pl. 9 (Jun. 1876).
Trichograptus n. gen. (G)
Schizograptus n. gen. (G)
Temnograptus n. gen. (G)
Ctenograptus n. gen. (G)
100. 1876H (J. THOMSON & H.A.N.) 'Contributions to the study of the chief generic types of the Palaeozoic corals.' (see 90, 92, 93, 94, 95, 97) *Ann. Mag. nat. Hist.*, London, (4), 18: 68-73, 1 fig., pls. 1-3 (Jul. 1876).
Carcinophyllum n. gen. (figured, (not described) (R)
101. 1876I 'Supposed Laurentian fossil'. (see 96) *Ann. Mag. nat. Hist.*, London, (4), 18: 75-76 (Jul. 1876).
102. 1876J 'On the bearing of certain palaeontological facts on the Darwinian theory of the origin of species and on the general doctrine of evolution'. *Jl. Trans. Vict. Inst.*, 9: 207-231 (not seen).
103. 1876K 'Notes on the Palaeozoic corals of the state of Ohio'. *Ann. Mag. nat. Hist.*, London, (4), 18: 85-95, pl. 5 (Aug. 1876).
104. 1876L (H.A.N. & J. THOMSON) 'Descriptions of new species of rugose corals from the Carboniferous rocks of Scotland'. *Proc. phil. Soc. Glasg.*, 10: 119-132, pls. 1-2 (? Aug. 1876). D. Hill (1938: 46) suggests a date between April and June 1876. Lang et al (1940:206) say: 'From the evidence of p.198 of Part I of the volume quoted [vol. 10], we believe that this paper was published after 10th May, 1876, and accordingly we give priority to the papers published by Thomson and Nicholson in *Ann. Mag. Nat. Hist.* (4) 17, 1876'.
Lophophyllum scoticum n. sp. (R)
Dibunophyllum splendens n. sp. (R)
105. 1876M (H.A.N. & J. THOMSON) 'Descriptions of some new or imperfectly understood forms of Palaeozoic corals'. *Proc. R. Soc. Edinb.*, 9: 149-150 (? Aug. 1876) (abstr.).
Crepidophyllum n. gen. (R)
Heliophyllum elegantulum n. sp. (nom. nud. - see 174) (R)
Thysanophyllum orientale n. gen. (n. sp. nom. nud.) (R)
Thysanophyllum minus n. sp. (nom. nud.) (R)
Linidströmia columnaris n. gen. (n. sp. nom. nud.) (R)
106. 1877A Articles in *Encyclopaedia Britannica*, 9th ed. 'Buffon' (vol. 4, 444-445, 1876); 'Corals' (vol. 6, 369-387, 15 figs., 1877); 'Cuttle-Fish' (vol. 6, 735-740, 6 figs.); 'Cuvier' (vol. 6, 740-742).
107. 1877B (H.A.N. & R. ETHERIDGE, jun.) 'On *Ascodictyon*, a new provisional and anomalous genus of Palaeozoic fossils'. *Ann. Mag. nat. Hist.*, London, (4), 19: 463-468, pl. 19 (Jun. 1877).
Ascodictyon fusiforme n. gen. n. sp. (B)
Ascodictyon stellatum n. sp. (B)
Ascodictyon radians n. sp. (B)
108. 1877C 'The place of science in education'. *Jl. Trans. Vict. Inst.*, 10: 318-335 (? Jul. 1877).
109. 1877D 'Huronian volcanic rocks'. *Geol. Mag.*, London, Dec. 2, 4: 380-381 (Aug. 1877).
110. 1877E (R HARKNESS & H.A.N.) 'On the strata and fossils between the Borrowdale series of the Coniston flags of the North of England'. *Rep. Brit. Ass. Advmt Sci.*, 1876, Trans. Sections, 1877, 90 (? Jun. 1877) (title only). Also: 'On the strata and their fossil contents between the Borrowdale series of the North of England and the Coniston flags.' *Q. Jl. geol. Soc.*, London, 33: 461-484, 3 figs. (Aug. 1877).
111. 1877F (H.A.N. & R. ETHERIDGE jun.) 'Notes on the genus *Alveolites*, Lamarck, and on some allied forms of Palaeozoic corals.' *Jl. Linn. Soc. (Zool.)*, 13: 353-370, pls. 19-20 (20. viii. 1877).
Chaetetes hyperboreus n. sp. (T)
112. 1877G *Invertebrate Palaeontology in the Geological Record for 1875*, vol. 2, 1877, 297-333, 346-356 (? Sep. 1877).
113. 1877H (H.A.N. & R. ETHERIDGE jun.) 'Contributions to micropalaeontology - I. On the genus *Tetradium*, Dana, and on a British species of the same'. *Ann. Mag. nat. Hist.*, London, (4), 20: 161-169, 1 fig. (Sep. 1877).
Tetradium Peachii n. sp. (AI)
114. 1877I 'On the palaeontological significance of the migration of animals'. *Trans. Edinb. geol. Soc.*, : 1-10 (? Oct. 1877).
115. 1877J (H.A.N. & R. ETHERIDGE jun.) 'Contributions to micropalaeontology - II. On *Prasopora Grayae*, a new genus and species of Silurian corals.' *Ann. Mag. nat. Hist.*, London, (4), 20: 388-392, 1 fig. (Nov. 1877).
Prasopora Grayae n. gen. n. sp. (B)
116. 1878A 'On the minute structure of the corals of the genera *Heliophyllum* and *Crepidophyllum*'. *Ann. Mag. nat. Hist.*, London, (5), 1: 44-54, 1 fig. (Jan. 1878).
117. 1878B 'Recent progress in palaeontology'. *Geol. Mag.*, London, Dec. 2, 5: 1-13 (Jan. 1878).
118. 1878C 'Articles in *Science for All*, ed. Robert Brown.' London, (not seen)
A piece of limestone Vol. 1, 9-15
A piece of coal Vol. 1, 83-90, pl. 1
Petrifactions and their teachings Vol. 1, 132-137
A piece of slate Vol. 1, 341-346
119. 1878D (R. ETHERIDGE jun. & H.A.N.) 'On the genus *Palaeacis*, and the species occurring in British Carboniferous rocks.' *Ann. Mag. nat. Hist.*, London, (5), 1: 206-227, pl. 12 Mar. 1878).
Palaeacis cyclostoma var. *Koninckii* n. var (T)
120. 1878E (C.A. WHITE & H.A.N.) *Bibliography of North American invertebrate palaeontology, being a report upon the publications that have hitherto been made upon the invertebrate palaeontology of North America, including the West Indies and Greenland.* (see 125) 8vo., Dept. Interior. U.S. geol. Surv. Terr., Misc. Publ. No. 10, Washington, 1878, 132 (71-132 by H.A.N.) (? May 1878).
121. 1878F (H.A.N. & J. MURIE) 'On the minute structure of *Stromatopora* and its allies'. *Jl. Linn. Soc. (Zool.)*, 14: 187-246, pls. 1-4 (31. viii. 1878).
Clathrodiction vesiculosum n. gen. n. sp. (S)
Clathrodiction cellulolum n. sp. (S)
Stylodiction retiforme n. gen. n. sp. (S)
Stromatocerium canadense n. sp. (S)
Pachystroma antiqua n. gen. n. sp. (S)
122. 1878G *Invertebrate Palaeontology in the Geological Record for 1876*, vol. 3, 1878, 269-301.

123. 1878H (H.A.N. & R. ETHERIDGE jun.) *A monograph of the Silurian fossils of the Girvan district in Ayrshire, with special reference to those contained in the 'Gray Collection'*. (see 128, 133) 8vo., Blackwood & Sons, Edinburgh & London, 1878, vol. 1, Fasc. 1, ix, 1-135, pls. 1-19 (17. xi. 1878).
- Nidulites parvus* n. sp. (Al)
Girvanella problematica n. gen. n. sp. (Al)
Lyopora n. gen. (R)
Favosites Girvanensis n. sp. (T)
Favosites Mullochensis n. sp. (T)
Fistulipora favosa n. sp. (B)
Fistulipora (?) *pilula* n. sp. (B)
Thecostegites (?) *Scoticus* n. sp. (T)
Pinacopora Grayi n. gen. n. sp. (T)
Stylaraea occidentalis n. sp. (T)
Calostylis Lindströmi n. sp. (R)
Streptelasma (Palaeophyllum) aggregatum n. sp. (R)
Lindströmia laevis n. sp. (R)
Dindymene cordai n. sp. (Tr)
124. 1879A 'Great sea reptiles'. *Science for all*, London (ed. Robert Brown), 2: 137-143 (not seen).
125. 1879B (C.A. WHITE & H.A.N.) 'Supplement to the Bibliography of North American invertebrate palaeontology'. (See 120) *Bull. U.S. geol. Surv. Terr.*, 5: 143-152 (not seen).
126. 1879C (H.A.N. & R. ETHERIDGE jun.) 'On the microscopic structure of three species of the genus *Cladochonus*, M'Coy.' *Geol. Mag.*, London, Dec. 2, 6: 289-296, pl. 7 (Jul. 1879).
- Monilopora (Cladochonus) crassa* n. gen. (T)
127. 1879D *On the structure and affinities of the 'Tabulate corals' of the Palaeozoic period, with critical descriptions of illustrative species*. 8vo., Blackwood & Sons, Edinburgh and London, 1879, xii, 342, 44 t-figs., 15 pls. (25. ix. 1879).
- Favosites Forbesi* var. *Waldronensis* n. var. (T)
Favosites Forbesi var. *Eifelensis* n. var. (T)
Romingeria n. gen. (T)
Araeopora australis n. gen. n. sp. (T)
Stenopora Jackii n. sp. (B)
Nyctopora Billingsii n. gen. n. sp. (T)
Heliolites plasmoporoides n. sp. (T)
Heterotrypa n. gen. (B)
Diplotrypa n. gen. (B)
Monotrypa n. gen. (B)
Fistulipora proporoides n. sp. (B)
Monticulipora (Diplotrypa) Whiteavesii n. sp. (B)
Monticulipora (Monotrypa) Winteri n. sp. (B)
128. 1879E (H.A.N. & R. ETHERIDGE jun.) 'Descriptions of Palaeozoic corals from northern Queensland, with observations on the genus *Stenopora*'. *Ann. Mag. nat. Hist.*, London, (5), 4: 216-226, 265-285, 3 figs., pl. 14 (Sep., Oct. 1879). Also in: *Q. Jl geol. Soc.*, London, Procs., 35: 107 (Nov. 1879) (abstr.).
- Heliolites Daintreei* n. sp. (T)
Pachypora meridionalis n. sp. (T)
129. 1879F (H.A.N. & R. ETHERIDGE jun.) *A monograph of the Silurian fossils of the Girvan district in Ayrshire, with special reference to those contained in the 'Gray collection'*. (see 123, 133) 8vo., Blackwood & Sons, Edinburgh and London, 1879, vol. 1, Fasc. 2, vi, 137-234, pl. 10-15 (Dec. 1879).
- Lichas Geikei* n. sp. (Tr)
Remopleurides (Caphyra) Barrandii n. sp. (Tr)
Bronteus Andersoni n. sp. (Tr)
Bronteopsis Scotica n. gen. n. sp. (Tr)
Proëtus Girvanensis n. sp. (Tr)
Proëtus procerus n. sp. (Tr)
Ampyx Macallumi n. sp. (Tr)
- Ampyx* (?) *Macconochiei* n. sp. (Tr)
Ampyx Hornei n. sp. (Tr)
(+ 5 new species of Ostracoda, founded by T. Rupert-Jones)
130. 1879G 'On the classification and affinities of the 'Tabulate corals'. *Proc. R. phys. Soc. Edinb.*, 5: 88-104 (Dec. 1879).
131. 1880A (H.A.N. & R. ETHERIDGE jun.) *Invertebrate Palaeontology in the Geological Record for 1877*, vol. 4, 1880, 300-334 (? Jan. 1880).
132. 1880B 'On the minute structure of the recent *Heteropora neozelanica*, Busk, and on the relations of the genus *Heteropora* to *Monticulipora*'. *Ann. Mag. nat. Hist.*, London, (5), 6: 329-339, 414-423, 5 figs. (Nov., Dec. 1870).
133. 1880C (H.A.N. & R. ETHERIDGE jun.) *A monograph of the Silurian fossils of the Girvan district in Ayrshire, with special reference to those contained in the 'Gray Collection'*. (see 123, 129) 8vo., Blackwood & Sons, Edinburgh and London, 1880, vol. 1, Fasc. 3, vi, 235-341, pls. 16-24 (? Dec. 1880). This fasciculus completed vol. 1 (no more published) and the complete volume, in the publisher's binding, was issued on 5. i. 1881).
- Hyalonema Girvanense* n. sp. (Sp)
Heliolites parasitica n. sp. (T)
Heliolites foliacea n. sp. (T)
Plasmopora Girvanensis n. sp. (T)
Plasmopora exserta n. sp. (T)
Propora Edwardsii n. sp. (T)
Pinacopora Andersoni n. sp. (T)
Dionide Lapworthi n. sp. (Tr)
Turrilepas Peachii n. sp. (U)
Tetraster Wyville-thomsoni n. gen. n. sp. (St)
Glyptocrinus globularis n. sp. (Cr)
134. 1881A 'On some new or imperfectly-known species of corals from the Devonian rocks of France'. *Ann. Mag. nat. Hist.*, London, (5), 7: 14-24, pl. 1, 1 fig. (Jan. 1881).
- Endophyllum Oehlerti* n. sp. (R)
Striatopora pachystoma n. sp. (T)
Pachypora Oehlerti n. sp. (T)
Favosites punctata n. sp. (T)
Favosites ? inosculans n. sp. (T)
135. 1881B *On the structure and affinities of the genus Monticulipora and its subgenera; with critical descriptions of illustrative species*. 8vo., Blackwood & Sons, Edinburgh and London, 1881, xvi, 240, 50 t-figs., pls. 1-6 (6. iv. 1881).
- Stenopora Howsii* n. sp. (B)
Peronopora n. gen. (B)
Monticulipora tumida var. *miliaria* n. var. (B)
Monticulipora (Heterotrypa) Andrewsii n. sp. (B)
Monticulipora (Heterotrypa) Ulrichii n. sp. (B)
Monticulipora (Heterotrypa) Dawsoni n. sp. (B)
Monticulipora (Heterotrypa) implicata n. sp. (B)
Monticulipora (Heterotrypa) Trentonensis n. sp. (B)
Monticulipora (Heterotrypa) Girvanensis n. sp. (B)
Monticulipora (Monotrypa) petasiformis n. sp. (B)
Monticulipora (Prasopora) Selwynii n. sp. (B)
Monticulipora (Prasopora) Selwynii var. *hospitalis* n. var. (B)
Monticulipora (Peronopora) molesta n. sp. (B)
136. 1881C 'Life and its physical basis'. *Jl Trans. Vict. Inst.*, 14: 267-291 (not seen)
137. 1882 'On the structure of the skeleton of *Tubipora musica* and on the relation of the genus *Tubipora* to *Syringopora*'. *Proc. R. Soc. Edinb.* 11: 219-229 (? Oct. 1882).

138. 1883 'Contributions to micro-palaeontology. - On *Stenopora Howsii*, Nich., with notes on *Monticulipora ? tumida*, Phill., and remarks on *Tabulipora Uriei*, Young,' *Ann. Mag. nat. Hist.*, London, (5), 12: 285-297, 3 t-figs., pl. 10 (Nov. 1883).
Stenopora Howsii var. *artica* n. var. (B)
139. 1884A 'Note on the structure of the skeleton in the genera *Corallium*, *Tubipora* and *Syringopora*. *Ann. Mag. nat. Hist.*, London, (5), 13: 29-34, 2 figs. (Jan. 1884).
140. 1884B 'Contributions to micro-palaeontology. - Notes on some species of Monticuliporoid corals from the upper Silurian rocks of Britain.' *Ann. Mag. nat. Hist.*, London, (5), 13: 117-127, 2 figs. pl. 7 (Feb. 1884).
Fistulipora ludensis n. sp. (B)
Callopora nana n. sp. (B)
Callopora ? glans n. sp. (B)
Monotrypa crenulata n. sp. (B)
141. 1885A (H.A.N. & A.H. FOORD) 'On the genus *Fistulipora*, M'Coij, with descriptions of several species.' *Ann. Mag. nat. Hist.*, London, (5), 16: 496-517, 6 figs. pls. 15-18 (Dec. 1885).
Fistulipora muscosa n. sp. (B)
Fistulipora nummulina n. sp. (B)
Fistulipora dobunica n. sp. (B)
Fistulipora cornavica n. sp. (B)
Fistulipora Romingeri n. sp. (B)
142. 1885B (H.A.N. & R. ETHERIDGE jun.) 'On the synonymy, structure, and geological distribution of *Solenopora compacta*, Billings, sp.' *Geol. Mag.*, London, Dec. 3, 2: 529-535, pl. 13 (Dec. 1885).
143. 1886A 'A monograph of the British Stromatoporoids'. *Monogr. Palaeont. Soc.*, London, pt. 1, i-iii, 1-130, t-figs. 1-17, pls. 1-11 (Jan. 1886). (see 157, 162, 164)
Stromatoporella Eifelensis n. gen. n. sp. (S)
Labechia Ohioensis n. sp. (S)
Actinostroma clathratum n. gen. n. sp. (S)
Actinostroma stellulatum n. sp. (S)
Actinostroma bifarium n. sp. (S)
Actinostroma intertextum n. sp. (S)
Clathrodictyon fastigiatum n. sp. (S)
Labechia serotina n. sp. (S)
Rosenella macrocystis n. gen. n. sp. (S)
Stromatopora concentrica var. *colliculata* n. var. (S)
Stromatopora Carteri n. sp. (S)
Idiostroma Roemeri n. sp. (S)
Idiostroma oculatum n. sp. (S)
Hermatostroma Schlüteri n. gen. n. sp. (S)
- Note: in this first part of the Monograph, Nicholson defined all the new genera fully and gave figures of all the above new species. He gave full descriptions later, but the brief notes and figures here are sufficient to define the new taxa.
144. 1886B (H.A.N. & R. ETHERIDGE jun.) 'On the Tasmanian and Australian species of the genus *Stenopora*, Lonsdale.' *Ann. Mag. nat. Hist.*, London, (5), 17: 173-187, 2 figs. pls. 3-4 (Mar. 1886).
Stenopora australis n. sp. (B)
Stenopora Leichardtii n. sp. (B)
145. 1886C 'On some new or imperfectly-known species of stromatoporoids - Part I'. (see 148, 149, 161) *Ann. Mag. nat. Hist.*, London, (5), 17: 225-239, pls. 6-8 (Apr. 1886).
Actinostroma hebbornense n. sp. (S)
Actinostroma intertextum var. *suevicum* n. var. (S)
Stromatoporella damnoniensis n. sp. (S)
Stromatoporella arachnoidea n. sp. (S)
146. 1886D (H.A.N. & A.H. FOORD) 'On a new genus of Devonian corals, with descriptions of some species of the same'. *Ann. Mag. nat. Hist.*, London, (5), 17: 389-400, 518-523, 2 figs., pls. 15-17 (May, Jun. 1886).
Rhaphidopora n. gen. (T)
Rhaphidopora crinalis var. *aculeata* n. var. (T)
147. 1886E 'On *Desmidopora alveolaris*, Nich., a new genus and species of Silurian corals'. *Geol. Mag.*, London, Dec. 3, 3: 289-292, pl. 8 (Jul. 1886).
Desmidopora alveolaris n. gen. n. sp. (T)
148. 1886F 'On some new or imperfectly-known species of stromatoporoids - Part II'. (see 145, 149, 161) *Ann. Mag. nat. Hist.*, London, (5), 18: 8-22, 1 fig., pls. 1-2 (Jul. 1886).
Labechia ? Schmidtii n. sp. (S)
Rosenella pachyphylla n. sp. (S)
149. 1887A 'On some new or imperfectly-known species of stromatoporoids - Part III'. (see 145, 148, 161) *Ann. Mag. nat. Hist.*, London, (5), 19: 1-17, pls. 1-3 (Jan. 1887).
Clathrodictyon Linnarssoni n. sp. (S)
Clathrodictyon crassum n. sp. (S)
Clathrodictyon laxum n. sp. (S)
150. 1887B 'On *Hemiphyllum siluriense*, Tomes'. *Geol. Mag.*, London, Dec. 3, 4: 173-174 (Apr. 1887).
151. 1887C (H.A.N. & J.E. MARR) 'On the occurrence of a new fossiliferous horizon in the Ordovician series of the Lake District'. *Geol. Mag.*, London, Dec. 3, 4: 339-344, map (Aug. 1887).
152. 1888A 'On the structure and affinities of the genus *Parkeria*, Carp.'. *Ann. Mag. nat. Hist.*, London, (6), 1: 1-12, 1 fig., pl. 3 (Jan. 1888).
153. 1888B 'On certain anomalous organisms which are concerned in the formation of some of the Palaeozoic limestones'. *Geol. Mag.*, London, Dec. 3, 5: 15-24, 5 figs. (Jan. 1888).
Mitcheldeania gregaria n. sp. (AI)
Solenopora filiformis n. sp. (AI)
154. 1888C 'On the detection of mural pores in thin sections of the Favositidae'. *Geol. Mag.*, London, Dec. 3, 5: 104-110, 1 fig. (Mar. 1888).
155. 1888D 'On the structure of *Cleistopora (Michelinia) geometrica*, Edwards & Haime, sp.'. *Geol. Mag.*, London, Dec. 3, 5: 150-152, 1 fig. (Apr. 1888).
Cleistopora n. gen. (T)
156. 1888E (J.E. MARR & H.A.N.) 'The Stockdale shales.' *Q. Jl. geol. Soc.*, London, 44: 654-732, 13 figs. pl. 16 (Nov. 1888).
Monograptus broughtonensis n. sp. (nom. nud.) (G)
Phacops elegans var. *glaber* n. var. (Tr)
Cheirurus bimucronatus var. *acanthodes* n. var. (Tr)
Cheirurus (Pseudosphærexochus) moroides n. sp. (Tr)
Acidaspis erinaceus n. sp. (Tr)
Harpes judex n. sp. (Tr)
Harpes angustus n. sp. (Tr)
Ampyx (Rhaphophorus) aloniensis n. sp. (Tr)
Proëtus brachypygyus n. sp. (Tr)
Atrypa flexuosa n. sp. (Br)
157. 1889A 'A monograph of the British Stromatoporoids'. *Monogr. Palaeont. Soc.*, London, pt. 2, 131-158, pls. 12-19 (Mar. 1889). (see 143, 162, 164)
Actinostroma irregulare n. sp. (S)
Actinostroma fenestratum n. sp. (S)
Clathrodictyon confertum n. sp. (S)

158. 1889B 'On the relations between the genera *Syringolites*, *Hinde*, and *Roemeria*, Edwards & Haime, and on the genus *Caliopora*, Schlüter. *Geol. Mag.*, London, Dec. 3, 6: 433-438, 5 figs. (Oct. 1889).
159. 1890A 'Address on recent progress in palaeontology as regards invertebrate animals'. *Trans. Edinb. geol. Soc.*, 6: 53-69 (? Feb. 1890).
160. 1890B 'Notes on the palaeontology of Western Australia. I. Stromatoporoidea'. *Geol. Mag.*, London, Dec. 3, 7: 193, pl. 8, figs. 7, 8 (May 1890).
161. 1891A 'On some new or imperfectly-known species of stromatoporoidea - Part IV'. (see 145, 148, 149) *Ann. Mag. nat. Hist.*, London, (6), 7: 309-328, 2 figs. pls. 8-10 (Apr. 1891).
Stromatopora borealis n. sp. (S)
Actinostroma Tyrrelli n. sp. (S)
Actinostroma Whiteavesii n. sp. (S)
Actinostroma matutinum n. sp. (S)
162. 1891B 'A monograph of the British stromatoporoidea'. *Monogr. Palaeont. Soc.*, London, pt. 3, 159-202, t-figs. 18-27, pls. 20-25 (Apr. 1891). (see 143, 157, 164)
Lophiostroma n. gen. (S)
Labechia scabiosa n. sp. (S)
Labechia stylophora n. sp. (S)
Stromatopora concentrica var. *astrigera* n. var. (S)
Stromatopora Hüpschii var. *seposita* n. var. (S)
Stromatopora inaequalis n. sp. (S)
Stromatopora florigera n. sp. (S)
Stromatopora bücheliensis var. *digitata* n. var. (S)
Parallelopora dartingtonensis var. *filitexta* n. var. (S)
163. 1891C (H.A.N. & J.E. MARR) 'The Cross Fell inlier'. *Q. Jl. geol. Soc.*, London, 47: 500-512, pl. 17 (Nov. 1891).
164. 1892A 'A monograph of the British stromatoporoidea'. *Monogr. Palaeont. Soc.*, London, pt. 4, 203-234, t-figs. 28-33, pls. 26-29 (Nov. 1892). (see 143, 157, 162)
Stromatoporella Selwynii n. sp. (S)
Stromatoporella socialis n. sp. (S)
Stromatoporella solitaria n. sp. (S)
Hermatostroma episcopale n. sp. (S)
165. 1895A 'President's address' [On the permanence of ocean basins]. *Proc. R. phys. Soc. Edinb.*, 13: 1-30 (? Oct. 1895).
166. 1895B (H.A.N. & J.E. MARR) 'Notes on the phylogeny of the graptolites'. *Geol. Mag.*, London, Dec. 4, 2: 529-539, 9 figs., (Dec. 1895). Also in: *Rep. Brit. Ass. Advmt Sci.*, 1895, Trans. Sections, 1896, 695-696 (? Jun. 1896).
Tetragraptus inosculans n. sp. (nom. nud.) (G)
167. 1978 'Contributions to the study of the errant annelides of the older Palaeozoic rocks.' (full text of 54) *Publs. Dep. Geol. Min., Univ. Aberdeen*. No. 1, 17-47, 6 pls. (May 1978).
Arenicolites robustus n. sp. (nom. null.)
Planolites granosus n. sp. (nom. null.)
Planolites articulatus n. sp. (nom. null.)
Note: Introductory comments to 167 are given in Benton and Trewin (1978a).
- B: TEXTBOOKS**
168. *A manual of zoology for the use of students, with a general introduction on the principles of zoology.* Part 1 (Invertebrates): 8vo., Robert Hardwicke, London, 1870, xvi, 322. 1st complete edition: 8vo., Blackwood & Sons, Edinburgh and London, 1870, xx, 622. Other editions: 2nd (1871), 3rd (1873) 4th (1875: xxi, 732), 5th (1878: xvi, 800), 6th (1880), 7th (1887: xvi, 939). Also reprints: Appleton & Co., New York, (1872, 1874, 1876, 1880, 1883, 1888).
169. *Syllabus of lectures on zoology, geology and palaeontology.* Edinburgh, 1870, 45. (not seen)
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174. 3rd edition: 1889, 2 vols. (885, 739), 1419 figs. (vol. 2, vertebrates, by R. Lydekker).
Calostylis Andersoni n. sp. (R)
Callopora Foordi n. sp. (B)
Heliophyllum elegantulum n. sp. [see also 105] (R)
175. *Introduction to the study of biology.* 8vo., Blackwood & Sons, Edinburgh and London, 1872, x, 163, 39 figs. Other reprints: D. Appleton & Co., New York (1880, 1888).
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178. *Outlines of natural history for beginners, being descriptions of a progressive series of zoological types.* 16mo., Blackwood & Sons, Edinburgh and London, 1873, 113, 46 figs. Other editions: 2nd (? 1876), 3rd (? 1884).
179. *The ancient life history of the earth, a comprehensive outline of the principles and leading facts of palaeontological science.* 8vo., Blackwood & Sons, Edinburgh and London, 1877, xviii, 407, 270 figs. Other reprints: Appleton & Co., New York (1878, 1882, 1885, 1892, 1896, 1897, 1898, 1899); A. L. Fowle (International Science Library), New York (1877, xvii, 407); Werner: International Science Library, Akron, Ohio (? 1876; xix, 428). There appear to have been many issues of this book in the United States, but all were reprints of the first edition.
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181. *Natural history, its rise and progress in Britain as developed in the life and labours of leading naturalists.* 8vo., W & R. Chambers, London and Edinburgh, 1886, viii, 312, 17 plates. Reprints: 1890, 1894, 1895.

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GENERA ESTABLISHED BY NICHOLSON (type species in brackets):

- Acrophyllum*: 97 (*Clisiophyllum oneidaense* Billings 1859)
- Actinostroma*: 143 (*A. clathratum* Nicholson 1886).

- Araeopora*: 127 (*A. australis* Nicholson (& Etheridge) 1879).
- Ascodictyon*: 107 (*A. fusiforme* Nicholson & Etheridge 1877).
- Astraeophyllum*: 70 (*A. gracile* Nicholson & Hinde 1874).
- Azygograptus*: 87 (*A. lapworthi* Nicholson 1875).
- Botryllopora*: 65 (*B. socialis* Nicholson 1874).
- Bronteopsis*: 129 (*B. scotica* Etheridge & Nicholson 1879).
- Carcinophyllum*: 100 (*C. kirsopiana* Thomson 1880).
- Caridolites*: 54 (*C. wilsoni* Etheridge, Woodward and Jones 1890).
- Carinopora*: 63 (*C. hindei* Nicholson 1874).
- Clathrodiction*: 121 (*C. vesiculosum* Nicholson & Murie 1878).
- Cleistopora*: 155 (*Michelinia geometrica* Edwards & Haime 1851).
- Columnopora*: 72 (*C. cribriformis* Nicholson 1874).
- Conchicolites*: 36 (*C. gregarius* Nicholson 1872).
- Corynoides*: 5 (*C. calicularis* Nicholson 1867).
- Crepidophyllum*: 105 (*Diphyphyllum archiaci* Billings 1860).
- Cryptopora*: 63 (*C. mirabilis* Nicholson 1874).
- Ctenograptus*: 99 (*Dichograptus annulatus* Nicholson 1869).
- Dawsonia*: 49 (*D. acuminata* Nicholson 1873).
- Desmidopora*: 147 (*D. alveolaris* Nicholson 1886).
- Dibunophyllum*: 97 (*D. muirheadi* Thomson & Nicholson 1876).
- Diplotrypa*: 127 (*Monticulipora petropolitana* Pander 1830).
- Duncanella*: 70 (*D. borealis* Nicholson 1874).
- Girvanella*: 123 (*G. problematica* Nicholson & Etheridge 1878).
- Helicograptus*: 15 (*Graptolithus gracilis* Hall 1847).
- Hermatostroma*: 143 (*H. schlüteri* Nicholson 1886).

<i>Heterodictya:</i>	76	(<i>H. gigantea</i> Nicholson 1875).	<i>Taeniopora:</i>	64	(<i>T. exigua</i> Nicholson 1874).
<i>Heterotrypa:</i>	127	(<i>Monticulipora mammulata</i> D'Orbigny 1850).	<i>Temnograptus:</i>	99	(<i>Dichograpsus multiplex</i> Nicholson 1868).
<i>Koninckophyllum:</i>	95	(<i>K. magnificum</i> Thomson & Nicholson 1876).	<i>Tetraster:</i>	133	(<i>T. wyville-thomsoni</i> Etheridge & Nicholson 1880).
<i>Lindströmia:</i>	105	(<i>L. columnaris</i> Nicholson & Thomson 1878).	<i>Thysanophyllum:</i>	105	(<i>T. orientale</i> Thomson 1880).
<i>Lophiostroma:</i>	162	(<i>Labechia ? schmidti</i> Nicholson 1886).	<i>Trichograptus:</i>	99	(<i>Dichograpsus fragilis</i> Nicholson 1869).
<i>Lyopora:</i>	123	(<i>Palaeopora ? favosa</i> M'Coy 1850).	<i>Trigonograptus:</i>	24	(<i>Retiolites ensiformis</i> Hall 1858).

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<i>proliferum, Heliophyllum:</i>	62	<i>spinigerus, Graptolites Sedgwickii:</i>	18
<i>proliferum, Koninckophyllum:</i>	95	<i>spinuliferus, Spirorbis:</i>	80
<i>proporoides, Nyctopora:</i>	127	<i>splendens, Dibunophyllum:</i>	104
<i>pulchella, Polypora:</i>	65	<i>squamosum, Cystiphyllum:</i>	75
<i>punctata, Favosites:</i>	134	<i>stellatum, Ascodictyon:</i>	107
<i>punctata, Ptilodictya:</i>	67	<i>stellulatum, Actinostroma:</i>	143
<i>quadrangularis, Chaetetes:</i>	62	<i>stylophora, Labechia:</i>	162
<i>radians, Ascodictyon:</i>	107	<i>sub-caespitosum, Heliophyllum:</i>	62
<i>radiata, Buthotrephis (?):</i>	26	<i>sub-globosus, Strophostylus ?:</i>	71
<i>radiatum, Koninckophyllum:</i>	95	<i>sub-modesta, Clepsine:</i>	52
<i>ramulosa, Alveolites:</i>	62	<i>sub-pulchellus, Chaetetes:</i>	85
<i>reticulatum, Lophophyllum:</i>	94	<i>sub-striatella, Stromatopora:</i>	85
<i>reticulatus, Dichograpsus:</i>	10	<i>suevicum, Actinostroma intertextum:</i>	145
<i>retiforme, Koninckophyllum:</i>	95	<i>superbum, Cystiphyllum:</i>	75
<i>retiforme, Stylodictyon:</i>	121	<i>tamariscus, Diplograpsus:</i>	18
<i>rhombicus, Chaetetes:</i>	74	<i>tenella, Polypora:</i>	65
<i>robustus, Arenicolites:</i>	54, 167	<i>tenuistriata, Dawsonia:</i>	49
<i>Roemeri, Idiostroma:</i>	143	<i>Trentonensis, Monticulipora (Heterotrypa):</i>	135
<i>Romingeri, Fistulipora:</i>	141	<i>Trentonensis, Retepora:</i>	76
<i>rotunda, Dawsonia:</i>	49	<i>tuberculata, Polypora:</i>	65
<i>scabiosa, Labechia:</i>	162	<i>tuberculata, Stromatopora:</i>	55
<i>Schlüteri, Hermatostroma:</i>	143	<i>tuberculatus, Climacograptus:</i>	24
<i>Schmidtii, Labechia ?:</i>	148	<i>tubulariformis, Diplograpsus:</i>	5
<i>Scotica, Bronteopsis:</i>	129	<i>Tyrrelli, Actinostroma:</i>	161
<i>scoticum, Lophophyllum:</i>	104	<i>Ulrichii, Monticulipora (Heterotrypa):</i>	135
<i>scoticus, Thecostegites (?):</i>	123	<i>undulata, Dictyostroma:</i>	85
<i>Selwynii, Alveolites:</i>	61	<i>undulatus, Chaetetes:</i>	82
<i>Selwynii, Monticulipora (Prasopora):</i>	135	<i>uniseriale, Platyceras:</i>	71

<i>vagans, Pleurograpsus:</i>	10
<i>vermiformis, Nepheles:</i>	52
<i>vesiculosum, Clathrodictyon:</i>	121
<i>vesiculosus, Diplograpsus:</i>	9, 24
<i>vomerinus, Graptolites:</i>	37
<i>vulgaris, Planolites:</i>	54, 67
<i>Waldronensis, Favosites Forbesi:</i>	127
<i>Whiteavesii, Actinostroma:</i>	161
<i>Whiteavesii, Monticulipora (Diplotrypa):</i>	127
<i>Wilsoni, Caridolites:</i>	54, 167
<i>Winteri, Monticulipora (Monotrypa):</i>	127
<i>Wortheni, Zaphrentis:</i>	85
<i>Wyville-thomsoni, Tetraster:</i>	133

Catalogue of the Type and Figured Material of H.A. Nicholson

NOTES ON THE CATALOGUE

Identification

Specimens and slides were matched with Nicholson's original figures and descriptions and identity was established by the use of various criteria, such as:

1. Old labels indicating that the specimen had been previously identified as figured (BMNH, HM, GSM, GSE, UC). However, these labels were sometimes inaccurate and were certainly not present in all cases. Most figured specimens had not previously been noted as such.
2. Labels in Nicholson's handwriting (which was usually identifiable) (RSM, BMNH). Much of Nicholson's material has, however, been relabelled, and his original labels discarded. A figure containing examples of some labels and a letter in Nicholson's handwriting is given.
3. Evidence from accession books that specimens were donated or sold to the museum by Nicholson (or an agent acting for him) (RSM, BMNH).
4. Markings on specimens (such as old Indian ink rings round bryozoan colonies on larger corals) — possibly added by Nicholson as a guide for drawing.
5. Subjective evidence: An institution that contains a type series is likely to contain other figured specimens of the same kind. For example, the BMNH holds most of Nicholson's figured graptolites which have been identified to date, and it seems likely that others are also preserved there.

Various symbols are used throughout the catalogue to indicate the degree of certainty I have in my identifications of figures with specimens:

- no symbol: specimen and figure match exactly in shape, details and locality — definite.
- “?”: correct general shape, details and locality in specimen — probable.
- “??”: correct general shape with some difference, or from a different locality — possible (in the absence of a better specimen).
- “cf.”: general resemblance, but almost certainly is not the figured specimen.

Some specimens have not been identified and may be either lost or not traced in the present work. 72.8% of Nicholson's figures have been identified with specimens.

It is worth noting that the standard of Nicholson's figures is generally good since he drew most of them and engraved several. His figure is usually a faithful rendering of the specimen or slide, but in some cases he may have combined several parts of a slide in order to produce a compact figure illustrating a range of internal structures. In these cases, one cannot definitely identify the exact part of a slide which he illustrated.

Conventions employed

1. Scientific names throughout the catalogue are those used by Nicholson. If he used various synonyms in his publications, cross-references are given. There is no attempt to list synonyms established after his time.
2. Publications in which Nicholson did not figure a specimen of a particular species may be listed first under each heading.
3. Stratigraphic periods (standard abbreviations) and localities are given briefly in the body of the catalogue according to Nicholson's original description. The published locality sometimes differs from the locality given on the specimen label, and this is usually indicated. No attempt is made to give detailed stratigraphic assignments because of the diverse range of localities and ages in question. The “Cambrian” and “Silurian” of 19th century geologists include the Ordovician, and these three terms are used here in their modern senses as far as possible. An index of localities is given at the end.
4. A list of all Nicholson material known to me (including collections which Nicholson used extensively, e.g. Gray) is given for the 330 new species established by Nicholson or by Nicholson and co-authors. If a lectotype has been established, this is also mentioned. A list of his 58 new genera, together with their type species, and a list of his 330 new species are given after the bibliography.

PROTOZOA

Eozoon canadense Dawson 1865 (inorganic)

174, 137-43, figs. 40-43.

- fig. 41A AUGD slide 0345 (Precamb., Canada)
- B AUGD slide 0357 (Precamb., Canada)
- C AUGD slide 0352 (Precamb., Canada)
- D AUGD slide 0354 (Precamb., Canada)

Globigerina bulloides D'Orbigny 1826

174, fig. 20A, B,

fig. 20A, B AUGD slides 132, 133 ? (Recent)

Loftusia sp. H.B. Brady 1869

152, 11-12.

174, fig. 35B

fig. 35B AUGD slide 01139 (Eoc., Persia)

Parkeria Carpenter 1870

152, 1-12, fig. 1, pl. 3 (*P. sphaerica*).

fig. 1 AUGD slide 01113

- pl. 3, fig. 1 AUGD slide 01118 (Cret., Cambridge)
- 2 AUGD slide 01126 (Cret., Cambridge)
- 3 AUGD slide 01124 (Cret., Cambridge)
- 4 AUGD slide 01128 (Cret., Cambridge)
- 5 AUGD slide 01132 (Cret., Cambridge)
- 6 BMNH slide P3984 (Cret., Cambridge)

Saccamina carteri Brady 1871

123, 21-23, pl. 9, fig. 23.

pl. 9, fig. 23 AUGD slide 8548 ??

(Ord., Tramitchell)

cf. BMNH slide P28111

PORIFERA

Amphispongia oblonga Salter 1861

174, 176-7, fig. 68C, D.

fig. 68C, D, AUGD 204 (Sil.)

Astraespongia sp. Roemer 1854

71, 11 (Dev., Port Colborne).

Hyalonema ? girvanense Nicholson & Etheridge 1880

133, 239-40, pl. 19, figs. 1-1b (Ord., Knockgeeran).

Note: No specimens traced. Stated to be in the collection of C. Lapworth.

Ischadites königii Murchison 1839

123, 20-1 (Ord., Balclatchie).

174, 172-3.

Porosphaera globularis (Phillips 1829)

152, 11.

PORIFERA: SCLEROSPONGIAE: STROMATOPOROIDEA

'Stromatoporoid indet.'

123, pl. 4, figs. 8-11 (Dev., Canada, Ohio).

Actinostroma ? astroites (Rosen 1867)

145, 229-31, pl. 6, figs. 6-7a.

- pl. 6, fig. 6, 6a BMNH slide P5644 (203) (Sil., Oesel)
- 7, 7a BMNH slide P5644 (203a) (Sil., Oesel)

157, 143-6, pl. 17, figs. 1-7

pl. 17, fig. 1 BMNH P5710 (201)

(Sil., Kangatomapank)

2 BMNH slide P5609 (210)

(Sil., Much Wenlock)

3, 4 BMNH slide P5609 (210a)

(Sil., Much Wenlock)

5 BMNH slide P5610 (209b)

(Sil., Much Wenlock)

6 BMNH slide P5610 (209c)

(Sil., Much Wenlock)

7 BMNH slide P5633 (211a)

(Sil., Ironbridge)

Actinostroma bifarium Nicholson 1886

143, 76.

145, 231, pl. 6, figs. 4, 5.

pl. 6, fig. 4 BMNH slide P5639 (165) (Dev., Büchel)

5 BMNH slide P5639 (165a)

(Dev. Büchel)

157, 136-7, pl. 13, figs. 3-7.

pl. 13, fig. 3 BMNH P5637 (Dev., Teignmouth)

4 BMNH slide P5636 (167a)

(Dev., Teignmouth)

5 BMNH slide P5636 (167)

(Dev. Teignmouth)

6 BMNH slide P5639 (165)

(Dev. Büchel)

7 BMNH slide P5639 (165a)

(Dev. Büchel)

Nicholson material: ENGLAND, South Devon

(AUGD 1870 (2)), Teignmouth, Devon,

(BMNH P5635, P5636 (4), P5637, P5638,

P5641 (6), P5642 (5), P6190 (2); AUGD 1761 (3),

1807 (4), 1858 (2)); GERMANY, Büchel, Eifel

(BMNH P5634, P5639 (6), P5645 (5), P6200;

AUGD 1792 (3), slides 01308, 01459).

LECTOTYPE: BMNH P5639 (No. 165) (Flügel,

1956a: 41).

Actinostroma clathratum Nicholson 1886

143, 41-3, 45, 47, 52, 75-7, pl. 1, figs. 8-13; pl. 2,

fig. 11.

pl. 1, fig 8 BMNH slide P5708 (148)

(Dev., Dartington)

9 BMNH slide P5708 (148a)

(Dev., Dartington)

10 BMNH slide P5708 (148)

(Dev. Dartington)

11 BMNH slide P5774 (141b)

(Dev., Gerolstein)

12 BMNH slide P5774 (141)

(Dev., Gerolstein)

13 BMNH slide P5774 (141b)

(Dev., Gerolstein)

pl. 2, fig. 11 BMNH slide P6179

(Dev., label reads Hebborn)

145, 226-8, pl. 6, figs. 1-3

pl. 6, fig. 1 BMNH slide P5786 (145)

(Dev., Hebborn)

2 BMNH slide P5786 (145a)

(Dev., Hebborn)

3 BMNH slide P5708 (148)

(Dev., Dartington)

157, 131-4, pl. 12, figs. 1-5, pl. 13, figs. 1-2.

pl. 12, fig. 1 BMNH P5863 (Dev., Dartington)

2 BMNH slide P5708 (148)

(Dev. Dartington)

- 3 BMNH slide P5708 (148a)
(Dev., Dartington)
- 4 BMNH slide P6179 ?
(Dev., Hebborn)
- 5 BMNH slide P5708 (148) ?
(Dev., Dartington)
- pl. 13, fig. 1 BMNH slide P5717 (149)
(Dev., Teignmouth)
- 2 BMNH slide P5717 (149a)
(Dev., Teignmouth)
- 160, 193, pl. 8, figs. 8a, b.
pl. 8, fig. 8a, b. BMNH slide P4967
(Dev., Rough Range)
- Note: 157 pl. 12, figs. 2, 3: see *Actinostroma irregulare*.
Nicholson material: ENGLAND, Dartington, Devon
(BMNH P5708(7), P5709(2), P5863, P6166(2),
P6171(4); AUGD 10078(3), 1st yr. 986), South Devon
(AUGD 1701, 1750, 8142), Teignmouth, Devon
(BMNH P5715 (2), P5716 (6), P5717 (4), P5718 (5),
P5719 (6), P5720 (5), P5721 (4), P6122 (9), P6183(2);
AUGD 1738, 1741, 1744, 1747, 1832 (2), slides
01314-5); GERMANY, Büchel, Eifel (BMNH P5775,
P5785, P6090 (3)), Gerolstein, Eifel (BMNH P5714
(2), P5774 (6), P5779 (3), P5787 (4); AUGD 10088
(4), slide 01313), Hebborn, Eifel (BMNH P5776,
P5778 (3), P5781, P5783 (3), P5784 (2), P5786 (4),
P5864, P6160, P6179 (3); AUGD 1715, 1735 (2), 1799,
1800, 1808 (2), 1811 (3), 1820 (10), 1825 (3), 1896,
10077, 10093, 10114 (2), slides 01309-12, 01460-3,
02961), Schladethal, Eifel (BMNH P5788 (3); AUGD
1824 (5), 1830 (6)), Sötenich, Eifel (BMNH P5777 (3);
AUGD 1826 (4), 1833, slides 01464-5), Steinbreche,
Eifel (BMNH P5782); RUSSIA, Ural Mountains (RSM
1968.15.5-7), R. Korin, Ural Mts. (RSM 1968.15.4),
R. Tschusowaja, Ural Mts. (RSM 1968.15.1-3);
AUSTRALIA, Rough Range, West Australia (BMNH
P4463, P4967).
LECTOTYPE: BMNH P5774 (No. 141) (Schouppé,
1954; 431).

Actinostroma expansum (Hall & Whitfield 1873)

- 161, 316-7, pl. 10, figs. 1, 2.
pl. 10, fig. 1 BMNH slide P5803 (424a)
(Dev., Rockford)
- 2 BMNH slide P5803 (424)
(Dev., Rockford)

Actinostroma fenestratum Nicholson 1889

- 157, 146-7, pl. 17, figs. 8, 9.
pl. 17, fig. 8 BMNH slide P6116 (462a)
(Dev., Teignmouth)
- 9 BMNH slide P6116 (462c)
(Dev., Teignmouth)

- 161, 322-4, pl. 10, figs. 3, 4.
pl. 10, fig. 3 BMNH slide P5601 (306)
(Dev., Lake Manitoba)
- 4 BMNH slide P5601 (306a)
(Dev., Lake Manitoba)

Nicholson material: ENGLAND, Teignmouth, Devon,
(BMNH P5884 (8), P6111 (2), P6116 (8), P6146(3);
AUGD 1790); CANADA, Lake Manitoba, Manitoba
(BMNH P5601 (5)), Lake Winnipegosis, Manitoba
(BMNH P5586 (3), P6265; GSC 4147, 4149, unnumb.)

Note: In Nicholson's handwritten catalogue, in the
British Museum (Nat. Hist.) he describes BMNH P6116
as 'type specimen' and P5601 as 'A typical example'.

Actinostroma hebbornense Nicholson 1886

- 145, 228-9, pl. 7, figs. 7, 8.
pl. 7, fig. 7 BMNH slide P5581 (184a)
(Dev., Hebborn)
- 8 BMNH slide P5581 (184b)
(Dev., Hebborn)
- 157, 137-8, pl. 16, figs. 9-16.
pl. 16, fig. 9 BMNH P5573 (185)
(Dev., Hebborn)
- 10 BMNH slide P5581 (184a)
(Dev., Hebborn)
- 11 BMNH slide P5581 (184a)
(Dev., Hebborn)
- 12 BMNH slide P5581 (184b)
(Dev., Hebborn)
- 13 BMNH slide P5950 (186)
(Dev., Teignmouth)
- 14 BMNH slide P5950 (186b)
(Dev., Teignmouth)
- 15 BMNH slide P5579 (187a)
(Dev., Teignmouth)
- 16 BMNH slide P5579 (187)
(Dev., Teignmouth)

Nicholson material: ENGLAND, Teignmouth, Devon
(BMNH P5572, P5578, P5579 (5), P5950 (13), P6312;
AUGD 1703), Torquay, Devon (BMNH P6106 (3)),
Shaldon, Devon, (AUGD 1794); FRANCE, La Baconnière,
Mayenne (AUGD 1796 (2), slides 01467-70); GERMANY,
Hebborn, Eifel (BMNH P5573 (5), P5580 (4), P5581 (4),
P6135 (5), P6199 (2); AUGD 1798 (6), 1801 (8), 1809
(2), 1810 (3), 10101 (2), slides 01316-9, 01466),
Schladethal, Eifel (BMNH P5569; AUGD 1822 (4),
10079 (4)).
LECTOTYPE: BMNH P5581 (no. 184): Flügel, 1956b:
141.

Actinostroma intertextum Nicholson 1886

- 143, 76, fig. 10.
fig. 10A BMNH slide P5620 (188) ?
(Sil., label reads Ironbridge)
- B BMNH slide P5620 (188a) ?
(Sil., label reads Ironbridge)

- 145, 233-4, pl. 7, figs. 3-4.
pl. 7, fig. 3 BMNH slide P5617 (192)
(Sil., Ironbridge)
- 4 BMNH slide P5617 (192c)
(Sil., Ironbridge)

- 157, 138-40, pl. 13, figs. 8-11.
pl. 13, fig. 8, 9 BMNH P5951 (189)
(Sil., Ironbridge)
- 10 BMNH slide P5620 (188)
(Sil., Ironbridge)
- 11 BMNH slide P5620 (188a)
(Sil., Ironbridge)

174, fig. 115 (= 143 fig. 10).
Nicholson material: SCOTLAND, Balcletchie, Girvan
(BMNH P5623 (3), P5624 (4); AUGD 1765 (2));
ENGLAND, Dudley, Staffordshire (BMNH P5619
(4)), Ironbridge, Shropshire (BMNH P5614 (4),
P5615 (5), P5617 (5), P5620 (5), P5621, P5951 (3),
P6311 (4)), Much Wenlock, Shropshire (BMNH
P5618 (4), P5622 (4)).

LECTOTYPE: BMNH P5620 (no. 188): Flügel, 1959: 157.

- Actinostroma intertextum suevicum* Nicholson 1886
 145, 234, pl. 7, figs. 5, 6.
 pl. 7, fig. 5 BMNH slide P5568 (198a)
 (Sil., Estonia)
 6 BMNH slide P5568 (198)
 (Sil. Estonia)
 Nicholson material: USSR, Kattentack, Estonia (BMNH
 P5568 (11), P5574 (5), P5577 (5)).
- Actinostroma irregulare* Nicholson 1889
 157, 133, pl. 12, figs. 2, 3.
 Note: This name was established provisionally for a
 variety (subspecies) of *A. clathratum* q.v.
 Nicholson material: ENGLAND, Dartington, Devon
 (BMNH P5708 (7), P6300 (4), P5709(2)).
- Actinostroma matutinum* Nicholson 1891
 161, 322, pl. 9, figs. 1, 2.
 Pl. 9, fig. 1 BMNH slide P5603 (308a)
 (Sil., L'Anse au Gascon)
 2 BMNH slide P5603 (308)
 (Sil., L'Anse au Gascon)
 Nicholson material: CANADA, L'Anse au Gascon,
 Quebec (BMNH P5603 (11)).
 LECTOTYPE: 'specimen figured by Nicholson Pl. 9,
 figs. 1, 2, preserved in the collection of the Geological
 Survey of Canada': Flügel, 1959: 163. This specimen
 is actually in the British Museum (P5603 (308, 308a)).
- Actinostroma schmidti* (Rosen 1867)
 145, 233, pl. 7, figs. 1, 2.
 pl. 7, fig. 1 BMNH slide P5953 (215)
 (Sil., Oesel)
 2 BMNH slide P5953 (215a)
 (Sil., Oesel)
- Actinostroma stellulatum* Nicholson 1886
 143, 76, pl. 4, figs. 3, 3a.
 pl. 4, fig. 3 BMNH slide P5945 (179a)
 (Dev., Teignmouth)
 3a BMNH slide P5945 (179)
 (Dev., Teignmouth)
- 145, 231-2, pl. 6, figs. 8, 9.
 pl. 6, fig. 8 BMNH slide P5583 (174)
 (Dev., Gerolstein)
 9 BMNH slide P5570 (170b)
 (Dev., Gerolstein)
- 157, 140-3, pl. 14, figs. 1-8; pl. 15.
 pl. 14, fig. 1 BMNH P6249 (Dev., Lummaton)
 2 BMNH P6250 (Dev., Dartington)
 3 BMNH slide P5944 (178)
 (Dev., Teignmouth)
 4 BMNH slide P5944 (178a)
 (Dev., Teignmouth)
 5 BMNH slide P5570 (170)
 (Dev., Gerolstein)
 6 BMNH slide P5570 (170b)
 (Dev., Gerolstein)
 7 BMNH slide P5943 (177a)
 (Dev., Dartington)
 8 BMNH slide P5943 (177)
 (Dev., Dartington)
 Nicholson material: ENGLAND, South Devon (BMNH
 P6165 (13), P6251; AUGD 1704), Bishopsteignton,
 Devon (BMNH P6131 (4)), Dartington, Devon (BMNH
 P5487 (3), P5943 (4), P5948 (3), P6250), Lummaton,
 Devon (BMNH P6249, P6253, P6254), Teignmouth,
 Devon (BMNH P5944 (5), P5945 (4), P5946 (5),
 P5947 (3), P5949 (2), P6252, P6255, P6256, P6313(3);
 AUGD 1842, slide 01326); GERMANY, Bärensdorf,
 Eifel (BMNH P5567; AUGD 10280 (3)), Gerolstein,
 Eifel (BMNH P5570 (5), P5571, P5583 (6), P5858 (3),
 P5859, P5860 (3), P5862 (4), P6089 (4), P6196 (4);
 AUGD 1732, 1734, 1901, 10279, 10283, 10286 (2),
 10287, 10289 (2), 10290, 10292, 10672 (2), slides
 01320-5), Hainau, Waldgirmes, Eifel (BMNH P5576
 (2), P5941 (2)), Sötenich, Eifel (AUGD 1826 (4),
 1836, slides 01471-2).
 LECTOTYPE: BMNH P5570 (no. 170): Flügel, 1959: 179.
- Actinostroma tyrrelli* Nicholson 1891
 161, 317-20, fig. 1, pl. 8, figs. 4, 5.
 fig. 1 GSC 4141a (Dev., Lake Winnipegosis)
 pl. 8, fig. 4 BMNH slide P5597 (297a) ?
 (Dev., Lake Winnipegosis)
 5 BMNH slide P5597 (297) ?
 (Dev., Lake Winnipegosis)
 Nicholson material: CANADA, Lake Winnipegosis,
 Manitoba (BMNH P5585 (5), P5587 (7), P5592, P5597
 (11), P5605 (5), P6004 (4); GSC 4141a, 4143, unnumb.).
 LECTOTYPE: 'specimen figured and described by
 Nicholson in 161 pl. 8, figs. 4, 5, in the collection of the
 Geological Survey, Canada', Flügel, 1859: 188. BMNH
 P5997 probably contains the slides figured here.
- Actinostroma verrucosum* (Goldfuss 1826)
 143, 76. 145, 228.
 157, 134-6, pl. 16, figs. 1-8.
 pl. 16, fig. 1 BMNH P5940 (163)
 (Dev., Teignmouth)
 2 BMNH slide P5940 (163)
 (Dev., Teignmouth)
 3 BMNH slide P5940 (163a)
 (Dev., Teignmouth)
 4 BMNH slide P5539 (155)
 (Dev., Büchel)
 5 BMNH slide P5544 (155)
 (Dev. Büchel)
 6 BMNH slide P5544 (155a)
 (Dev., Büchel)
 7 BMNH slide P5537 (156)
 (Dev., Büchel)
 8 BMNH slide P5539 (155)
 (Dev., Büchel)
- Actinostroma whiteavesii* Nicholson 1891
 161, 320-2, fig. 2, pl. 9, figs. 3, 4.
 fig. 2 ('coll. Geol. Surv. Canada')
 (Dev., Little Red River)
 pl. 9, fig. 3 BMNH slide P5602 (302a)
 (Dev., Little Red River)
 4 BMNH slide P5594 (303a)
 (Dev., Little Red River)
 Nicholson material: CANADA, Little Red River,
 Manitoba. (BMNH P5594 (3), P5602 (5)).
- Amphipora ramosa* (Phillips 1841)
 143, 109-10, pl. 9, figs. 1, - 4.
 pl. 9, fig. 1 BMNH P6071 (399)
 (Dev., Hebborn)
 2 BMNH slide P6071 (399)
 (Dev., Hebborn)
 3 BMNH slide P6071 (399a)
 (Dev., Hebborn)

- 4 BMNH slide P6071 (399c)
(Dev., Hebborn)
- 164, 223-5, pl. 29, figs. 3-7.
pl. 29, fig. 3 BMNH P5763 ? (Dev., Shaldon)
4 BMNH P5763 ? (Dev., Shaldon)
5 BMNH P5763 ? (Dev., Shaldon)
6, 6a slide P6072 (402)
(Dev., Shaldon)
7 BMNH slide P5673 ?
(Dev., Shaldon)
- Beatricea nodulosa* Billings 1857
143, 86-9, pl. 8, figs. 1-8.
pl. 8, fig. 1 BMNH P5798 (289)
(Ord., Marion Co.)
2 BMNH slide P5798 (289b)
(Ord., Marion Co.)
3 BMNH slide P5798 (289c)
(Ord., Marion Co.)
4, 5 BMNH slide P6001 (287)
(Ord., Anticosti)
6 BMNH slide P6002 (288c)
(Ord., Anticosti)
7 BMNH slide P6002 (288g)
(Ord., Anticosti)
8 BMNH slide P6002 (288)
(Ord., Anticosti)
- 174, fig. 118B, C (= 143 pl. 8, figs. 2, 3).
- Beatricea undulata* Billings 1857
143, 86, 89.
174, 233-4, fig. 118.
fig. 118A BMNH P5795 (Ord., Marion Co.)
B, C (= 143, pl. 8, figs. 2, 3).
(Ord., Marion Co.)
- '*Caunopora*' Phillips 1841
121, 219-20, '*C. planulata*' Phillips: pl. 2, figs. 4-5
(Dev., Babbicombe)
- 143, 110-30 (not a true genus).
- Clathrodictyon cellulosum* Nicholson & Murie 1878
121, 215-6, 221, pl. 2, figs. 6-10.
pl. 2 fig. 6 RSM slide 1968.15.8
(Dev., Wainfleet)
7 RSM slide 1968.15.11
(Dev., Wainfleet)
8, 9 BMNH P5855 (315)
(Dev., Wainfleet)
10 BMNH slide P5855 (315a) ?
(Dev., Wainfleet)
- 143, 79, fig. 2, 11, pl. 1, fig. 2.
fig. 2 = fig. 11A cf. BMNH slide P5855 (315)
(Dev., label reads Port Colborne)
B cf. BMNH slide P5855 (315b)
(Dev., label reads Port Colborne)
pl. 1, fig. 2 BMNH slide P5855 (315) (Ontario)
- 149, 11, pl. 2, figs. 7, 8
pl. 2, fig. 7 BMNH slide P5855 (315)
(Dev., Ontario)
8 BMNH slide 5855 (315a)
(Dev., Ontario)
- Nicholson material: CANADA (RSM slides 1968.15.8-13), Port Colborne, Ontario (BMNH P5852, P5853 (16), P5855 (9), P5856 (3), P6266).
- Clathrodictyon confertum* Nicholson 1889
157, 154-5, pl. 18, figs. 13, 14.
pl. 18, fig. 13 BMNH slide P5981 (261)
(Dev., Dartington)
14 BMNH slide P5981 (261a)
(Dev., Dartington)
- Nicholson material: ENGLAND, Dartington, Devon (BMNH P5981 (6)), Hope's Nose Quarry, Devon (BMNH P6110, P6305); FRANCE, La Baconnière, Mayenne (BMNH P5983 (12)), St. Jean, Mayenne (BMNH P5982 (3)).
- Clathrodictyon crassum* Nicholson 1887
149, 8, pl. 2, figs. 1, 2.
pl. 2, fig. 1 BMNH slide P5977 (254)
(Sil., Ironbridge)
2 BMNH slide P5977 (254a)
(Sil., Ironbridge)
- 157, 151-2, pl. 18, figs. 6-7.
pl. 18, fig. 6 BMNH slide P5977 (254)
(Sil., Ironbridge)
7 BMNH slide P5977 (254a)
(Sil., Ironbridge)
- Nicholson material: ENGLAND, Dormington, Shropshire (BMNH P5979 (4), P5980 (4)), Ironbridge, Shropshire (BMNH P5977 (5)), Dudley, Staffordshire (BMNH P5978 (8)).
LECTOTYPE: BMNH P5977 (254, a): Flügel, 1958; 148
- Clathrodictyon fastigiatum* Nicholson 1886
143, 44, 79, figs. 3A, B (= 12), pl. 2, fig. 13.
pl. 2, fig. 13 BMNH P5772 (Sil., Dormington)
- 149, 8-9, pl. 2, figs. 3, 4.
pl. 2, fig. 3 BMNH slide P5773 (242)
(Sil., Ironbridge)
4 BMNH slide P5773 (242a)
(Sil., Ironbridge)
- 157, 152-4, pl. 19, figs. 1-5.
pl. 19, fig. 1 BMNH P5769 (Sil., Ironbridge)
2 BMNH P5769 (Sil., Ironbridge)
4 BMNH slide P5773 (242a)
(Sil., Ironbridge)
5 BMNH slide P5773 (242)
(Sil., Ironbridge)
- Nicholson material: ENGLAND, Dormington, Shropshire (BMNH P5768, P5772; AUGD 1909 (3)), Ironbridge, Shropshire (BMNH P5497 (3), P5767 (4), P5769, P5770 (8), P5773 (6); AUGD 1706, 1742), Dudley, Staffordshire (BMNH P5771 (2), P6309 (5)); USSR, Kattentack, Estonia (BMNH P5493 (4), P5970 (5), P6341, P6342 (3)); CANADA, Glenelg, Durham, Ontario (BMNH P6008 (6)).
- Clathrodictyon laxum* Nicholson 1887
149, 12-13, pl. 3, figs. 4, 5.
pl. 3, fig. 4 BMNH slide P6007 (314a)
(Dev., Ontario)
5 BMNH slide P6007 (314)
(Dev., Ontario)

- Nicholson material: USSR, Ural Mountains (RSM slide 1968.15.14); CANADA, Port Colborne, Ontario (BMNH P6007 (14), P6018 (3)), Woodstock, Ontario (BMNH P6248 (6)), N. Dock Quarry, Pelee Island, Seatown, ? Ontario (BMNH P5599 (2)); USA, Kelly's Island, Ohio (BMNH P6019 (21)).
- Clathrodictyon linnarssoni* Nicholson 1887
149, 5-6, pl. 1, figs. 7, 8.
 pl. 1, fig. 7 BMNH slide P5489 (259)
 (Sil., Wisby)
 8 BMNH slide P5489 (259b)
 (Sil., Wisby)
 Nicholson material; SWEDEN, Wisby, Gotland (BMNH P5489 (12)); USSR, 'Russia' (RSM slides 1968.15.15-16), Kattentack, Estonia (BMNH P6102 (10)), Kattripank, Estonia (BMNH P6103 (13), P6104 (3)).
- Clathrodictyon ostiolatum* (Nicholson 1873) (see *Stromatopora ostiolata*).
- Clathrodictyon regulare* (Rosen 1867)
143, 77, 79, pl. 2, figs. 8, 12; pl. 5, figs. 1, 2.
 pl. 2, fig. 8 BMNH slide P5973 (250a)
 (Sil., Dudley)
 12 BMNH slide P5974 (251) ?
 (Sil., Dudley)
 pl. 5, fig. 1 BMNH slide P5973 (250c) ?
 (Sil., Dudley)
 2 BMNH slide P5974 (251a) ?
 (Sil., Dudley)
149, 10, pl. 2, figs. 5, 6.
 pl. 2, fig. 5 BMNH slide P5973 (250a)
 (Sil., Dudley)
 6 BMNH slide P5973 (250)
 (Sil., Dudley)
157, 155-6, pl. 18, figs. 8-11a.
 pl. 18, fig. 8 BMNH slide P5975 (252)
 (Sil., Dudley)
 9 BMNH slide P5975 (252)
 (Sil., Dudley)
 10 BMNH slide P5973 (250a)
 (Sil., Dudley)
 10a BMNH slide P5973 (250a)
 (Sil., Dudley)
 11 BMNH slide P5973 (250)
 (Sil., Dudley)
 11a BMNH slide P5973 (250)
 (Sil., Dudley)
- Clathrodictyon retiforme* (Nicholson & Murie 1878)
 (see *Stylodictyon retiforme*)
- Clathrodictyon striatellum* (D'Orbigny 1850)
143, 79, pl. 1, fig. 1; pl. 5, figs. 3, 4.
 (Sil., Ironbridge, Benthall)
149, 6-8, pl. 1, figs. 9, 10.
 pl. 1, fig. 9 BMNH slide P5657 (245)
 (Sil., Dudley)
 10 BMNH slide P5657 (245a)
 (Sil., Dudley)
157, 156-8, pl. 19, figs. 6-9.
 pl. 19, fig. 6 BMNH P5658 (Sil., Dudley)
 7 BMNH P5658 (Sil., Dudley)
 8 BMNH slide P5657 (245)
 (Sil., Ironbridge)
 9 BMNH slide P5664 (243c) ?
 (Sil., Ironbridge)
- Clathrodictyon variolare* (Rosen 1867)
143, 77, pl. 5, figs. 6, 7.
 pl. 5, fig. 6 BMNH slide P5957 ?
 (Sil., Dormington)
 7 BMNH slide P5957 ?
 (Sil., Dormington)
149, 4-5, pl. 1, figs. 4-6.
 pl. 1, fig. 4 BMNH P6267 (Sil., Estonia)
 5 BMNH slide P5960 (230b)
 (Sil., Kattentack)
 6 BMNH slide P5960 (230)
 (Sil., Kattentack)
157, 150-1, pl. 17, fig. 14, pl. 18, figs. 1-5.
 pl. 17, figs. 14 BMNH P6126 (Sil., Saage Ridaka)
 pl. 18, fig. 1 BMNH slide P5960 (230)
 (Sil., Kattentack)
 2 BMNH slide P5958 (228a)
 (Sil., Errinal)
 3 BMNH slide P5958 (228)
 (Sil., Errinal)
 4 BMNH slide P5957 (227)
 (Sil., Dormington)
 5 BMNH slide P5957 (227)
 (Sil., Dormington)
161, 327 (Sil., Anticosti).
- Clathrodictyon vesiculosum* Nicholson & Murie 1878
121, 214-6, 220-1, pl. 2, figs. 11-13.
 pl. 2, fig. 11 BMNH slide P5495 (216)
 (Sil., Ohio)
 12 BMNH slide P5495 (216a)
 (Sil., Ohio)
 13 BMNH slide P5495 (216)
 (Sil., Ohio)
133, 238-9, pl. 19, fig. 2.
 pl. 19, fig. 2 BMNH slide P5498 (226)
 (Sil., Woodland Point)
143, 78-9, pl. 5, fig. 5.
 pl. 5, fig. 5 BMNH slide P5495 (216a)
 (Sil., Yellow Springs)
149, 1-4, pl. 1, figs. 1-3.
 pl. 1, fig. 1 BMNH slide P5495 (216a)
 (Sil., Yellow Springs)
 2 BMNH slide P5495 (216)
 (Sil., Yellow Springs)
 3 BMNH slide P5954 (218a)
 (Sil., Much Wenlock)
157, 147-50, pl. 17, figs. 10-13; pl. 18, fig. 12.
 pl. 17, fig. 10 BMNH slide P5495 (216a)
 (Sil., Yellow Springs)
 11 BMNH slide P5495 (216)
 (Sil., Yellow Springs)
 12 BMNH slide P5954 (218a)
 (Sil., Much Wenlock)
 13 BMNH slide P5954 (218)
 (Sil., Much Wenlock)
 pl. 18, fig. 12 BMNH P5726 (Sil., Dudley)
 Nicholson material: SCOTLAND, Woodland Point, Ayr (BMNH H2510, P5498 (10)); ENGLAND, Ironbridge, Shropshire (BMNH P6138), Much Wenlock, Shropshire (BMNH P5731 (7), P5954 (4)), Dudley, Staffordshire (BMNH P5726); USSR, Grossenhaufl, Dago, ? Estonia (BMNH P5723), Hoheneichen, Estonia (BMNH P5725 (3)), Kangatomapank, Estonia (BMNH P5722 (5)), Kattentack, Estonia (BMNH P5727 (2), P5728 (9), P5955 (13)), Raikull, Estonia (BMNH P5729, P5956; AUGD 1737, slides 01332-3); CANADA, Anticosti, Ontario (BMNH P6013 (3), P6014 (3)).

Thorold, Ontario (BMNH P5730 (3)); USA, Yellow Springs, Ohio (BMNH P5495 (7), P5630, P6124 (13)). Note: In his handwritten catalogue, Nicholson notes that BMNH P5495 (216, a, b, c, d) is 'the original specimen of the species'.

Hermatostroma episcopale Nicholson 1892

- 164, 219-21, pl. 28, figs. 4-11.
pl. 28, fig. 4 BMNH P6263 (Dev., Teignmouth)
5 BMNH slide P5688 (389a) ?
(Dev., Shaldon)
6 BMNH slide P5688 (389)
(Dev., Shaldon)
7 BMNH slide P5691 (391) ?
(Dev., Shaldon)
8 BMNH slide P5689 (390) ?
(Dev., Teignmouth)
9 BMNH slide P5689 (390a)
(Dev., Teignmouth)
10 BMNH slide P5691 (391) ?
(Dev., Shaldon)
11 BMNH slide P5691 (391a)
(Dev., Shaldon)

Nicholson material: ENGLAND, Bishopsteignton, Devon (BMNH P5692(7), P6065(6), P6258(3)), Shaldon, Devon (BMNH P5687 (12), P5688 (9), P5691 (8), Teignmouth, Devon (BMNH P5686 (6), P5689 (4), P5690 (3), P6086 (4), P6087 (4), P6088 (4), P6263; AUGD 1720).

Hermatostroma schlüteri Nicholson 1886

- 143, 38, 46, 47, 105-6, figs. 1, 16, pl. 3, figs. 1, 2.
fig. 1A BMNH slide P5527 (386a) ?
(Dev., Hebborn)
B BMNH slide P5527 (386h) ?
(Dev., Hebborn)
fig. 16A BMNH slide P5527 (386f)
(Dev., Hebborn)
B BMNH slide P5527 (386h)
(Dev., Hebborn)
pl. 3, fig. 1 BMNH slide P5527 (386c)
(Dev., Hebborn)
2 BMNH slide P5527 (386b) ?
(Dev., Hebborn)
164, 215-9, figs. 29-31, pl. 28, figs. 12, 13.
fig. 29 BMNH P5527 ? (Dev., Hebborn)
30 BMNH slide P5527 (386c) ?
(Dev., Hebborn)
31 BMNH slide P5527 (386b) ?
(Dev., Hebborn)
pl. 28, fig. 12 BMNH slide P5527 (386)
(Dev., Hebborn)
13 BMNH slide P5527 (386)
(Dev., Hebborn)
Nicholson material: GERMANY, Hebborn, Eifel (BMNH P5527 (51); AUGD 1719 (2), 1729 (3)).

Idiostroma capitatum (Goldfuss 1826)

- 143, 63, 104, fig. 8A B (Dev., Hebborn)

Idiostroma oculatum Nicholson 1886

- 143, 100-4, figs. 14, 15.
fig. 14, a BMNH P6073 (403) (Dev., Büchel)
(NB. end view; now broken at bottom right).
fig. 15 BMNH slide P6073 (403c)
(locality?)
164, 225-8, figs. 32, 33 (= 143 fig. 14, 15), pl. 29, figs. 8-11.

- pl. 29, fig. 8 BMNH slide P6074 (404)
(Dev., Shaldon)
9 BMNH slide P6074 (404)
(Dev., Shaldon)
10 BMNH slide P6073 (403i)
(Dev., Büchel)
11 BMNH slide P6073 (403z)
(Dev., Büchel)

Nicholson material: ENGLAND, Dartington, Devon (BMNH P6115 (4)), Shaldon, Devon (BMNH P6074 (8)); GERMANY, Büchel, Eifel (BMNH P6073 (61), P6144 (18), P6154 (37)).

Idiostroma roemeri Nicholson 1886

- 143, 100-1, pl. 9, figs. 6-11.
pl. 9, fig. 6 BMNH P6076 (Dev., Hebborn)
7 BMNH slide P6076 (406c)
(Dev., Hebborn)
8 BMNH slide P6076 (406 ?)
(Dev., Hebborn)
9 BMNH P6076 (Dev., Hebborn)
10 BMNH slide P6076 (406d ?)
(Dev., Hebborn)
11 BMNH slide P6076 (406c ?)
(Dev., Hebborn)

164, 227-8.

Nicholson material: GERMANY, Hebborn, Eifel (BMNH P6075(6), P6076(8), P6077(2), P6142(4), P6143(10)).

Labechia alveolaris Nicholson 1886 (nom. nud.)

- 143, 60, 85 (mentioned, but never figured or described as a stromatoporoid – see *Desmidopora alveolaris* (Tabulata)).

Labechia canadensis Nicholson & Murie 1878 (see *Stromatocerium canadensis*)

Labechia conferta (Lonsdale 1839)

- 121, fig. 5.
fig. 5A, B, BMNH P6302 (Sil., Gotland)
C BMNH slide P5984 (264e)
(Sil., label reads Dudley)
127, 28-9, 331-7, figs. 12 (= 44) (= 121 fig. 5), pl. 15, figs. 4, 4a.
pl. 15, fig. 4 BMNH slide P5984 (264) ?
(Sil., label reads Dudley)
4a BMNH slide P5496 ?
(Sil., Benthall Edge)
143, 45, 83, figs. 5, 13, pl. 3, figs. 7-15.
fig. 5 = fig. 13A BMNH slide P5986 (266)
(Sil., Benthall)
B BMNH slide P5986 (266a)
(Sil., Benthall)
pl. 3, fig. 7 BMNH P6317 (Sil., Benthall)
8 BMNH P6302 (Sil., Gotland)
9-11, 15 BMNH P5496
(Sil., Dudley)
12 BMNH P5496 ? (locality?)
13 BMNH P5496 ? (locality?)
14 BMNH P5496 ? (locality?)
148, 11-13, text fig. (p. 12) (= 143 fig. 5).
162, 158-60, fig. 18 (= 143, fig. 5), pl. 20, figs. 1-3.
pl. 20, fig. 1 BMNH slide P5984 (264g)
(Sil., Dudley)
2 BMNH slide P5984 (264)
(Sil., Dudley)
3 BMNH slide P5984 (264)
(Sil., Dudley)

- 174, fig. 116 (=143, fig. 5), 174, 117 (= 143, pl. 3, fig. 8).
- Labechia ohioensis* Nicholson 1886
 143, 31-2, 83, pl. 2, figs. 1, 2.
 pl. 2, fig. 1 BMNH slide P5996 (276b)
 (Ord., Waynesville)
 2 BMNH slide P5996 (276d)
 (Ord., Waynesville)
- 148, 13-14, pl. 2, figs. 1, 2.
 pl. 2, fig. 1 BMNH slide P5997 (277a)
 (Ord., Cape Smyth)
 2 BMNH slide P5997 (277)
 (Ord., Cape Smyth)
- Nicholson material: CANADA, Anticosti, Ontario P5998 (2)), Cape Smyth, Lake Huron, Ontario (BMNH P5997 (3)); USA, Clarksville, Ohio (BMNH P6306), Waynesville, Ohio (BMNH P5996 (13)).
 Note: In his handwritten catalogue, Nicholson described BMNH P5996 (276, a-d) as the 'original specimen'.
- Labechia scabiosa* Nicholson 1891
 162, 160-1, pl. 20, figs. 4-6.
 pl. 20, fig. 4, 5 BMNH P6145 (Sil., Dudley)
 6 BMNH P6145 (Sil., Dudley)
- Nicholson material: ENGLAND, Ironbridge, Shropshire (BMNH P6127 (2)), Dudley, Staffordshire (BMNH P6145).
- Labechia ? schmidtii* Nicholson 1886
 148, 16-19, pl. 2, figs. 6-8.
 pl. 2, fig. 6 BMNH slide P5606 (279)
 (Sil., Hoheneichen)
 7 BMNH slide P5606 (279b)
 (Sil., Hoheneichen)
 8 BMNH slide P5606 (279a)
 (Sil., Hoheneichen)
- 162, 160 (= *Lophiostroma* n. gen.)
 Nicholson material: SWEDEN, Wisby, Gotland (BMNH P6141 (2)); USSR, Hoheneichen, Estonia (BMNH P5494 (6), P5606 (5), P5612 (5), P6225 (12), P6228 (4), P6348 (3)), Lode, Estonia (BMNH P5616 (5)).
- Labechia serotina* Nicholson 1886
 143, 45-6, 82, 83, fig. 4.
 fig. 4A BMNH slide P5988 (268)
 (Dev., Teignmouth)
 B, C BMNH slide P5988 (268a)
 (Dev., Teignmouth)
- 148, 15-16, pl. 2, figs. 3, 4.
 pl. 2, fig. 3 BMNH slide P5988 (268)
 (Dev., Teignmouth)
 4 BMNH slide P5988 (268a)
 (Dev., Teignmouth)
- 162, 162-3, fig. 19 (= 143 fig. 4).
 Nicholson material: ENGLAND, Teignmouth, Devon (BMNH P5988 (7)).
- Labechia stylophora* Nicholson 1891
 162, 161, pl. 20, figs. 7, 8.
 pl. 20, fig. 7, 8 BMNH slide P5987 (267)
 (Dev., Shaldon)
- Nicholson material: ENGLAND, Shaldon, Devon (BMNH P5987 (9)).
- Lophiostroma schmidtii* (Nicholson 1886) (see *Labechia schmidtii*)
- Pachystroma antiqua* Nicholson & Murie 1878
 121, 223-4, pl. 4, figs. 2-5.
 pl. 4, fig. 2 BMNH P5849 (Sil., Canada)
 3 BMNH P5849 (Sil., Canada)
 4 BMNH slide P6003 (290Aa)
 (Sil., Canada)
 5 BMNH slide P6003 (290Ab)
 (Sil., Canada)
- 143, 91, pl. 5, figs. 8-11 ('*Stromatopora antiqua*')
 pl. 5, fig. 8 BMNH P5849 ? (Sil., Thorold)
 9 BMNH slide P6003 (290a)
 (Sil., Thorold)
 10 BMNH slide P6003 (290a)
 (Sil., Thorold)
 11 BMNH slide P6003 (290)
 (Sil., Canada)
- 161, 310-1, pl. 8, figs. 9-11
 pl. 8, fig. 9 BMNH slide P6003 (290)
 (Sil., Thorold)
 10 BMNH slide P6003 (290a)
 (Sil., Thorold)
 11 BMNH slide P6003 (290a)
 (Sil., Thorold)
- Nicholson material: CANADA (BMNH P5848), Durham, Ontario (BMNH P5847 (10)); AUGD slide 04510), Thorold, Ontario (BMNH P5846, P5849 (2), P6003 (9)).
 Note: In his handwritten catalogue, Nicholson describes BMNH P6003 (290, a-c, Aa, Ab) as the 'type of *Pachystroma antiqua*'.
- Pachystroma densa* (Nicholson 1875) (see *Syringostroma densum*)
- Parallelopora capitata* (Goldfuss 1826)
 162, 197-9, figs. 26, 27, pl. 25, figs. 10-13.
 fig. 26 BMNH P5521 (Dev., Hebborn)
 fig. 27A BMNH slide P5934 (118b)
 (Dev., Hebborn)
 B BMNH slide P5934 (118c)
 (Dev., Hebborn)
- pl. 25, fig. 10 BMNH slide P5935 (121)
 (Dev., Teignmouth)
 11 BMNH slide P5523 (122) ?
 (Dev., Teignmouth)
 12 BMNH slide P5523 (122a) ?
 (Dev., Teignmouth)
 13 BMNH slide P5526 (119) ?
 (Dev., Hebborn)
- Parallelopora dartingtonensis* (Carter 1879)
 143, pl. 4, fig. 1.
 pl. 4, fig. 1, 1a BMNH P5743 (133)
 (Dev., Teignmouth)
- 162, 199-202, pl. 24, figs. 13-15; pl. 25, fig. 1.
 pl. 24, fig. 13 BMNH P5745
 (Dev., Teignmouth)
 14 BMNH slide P5743 (133) ?
 (Dev. Teignmouth)
 15 BMNH slide P5746 (126)
 (Dev., Pit Park Quarry)
- pl. 25, fig. 1 BMNH slide P5746 (126a)
 (Dev., Pit Park Quarry)
- Parallelopora dartingtonensis* var. *filitexta* Nicholson 1891
 162, 201, pl. 25, figs. 2, 3.
 pl. 25, fig. 2 BMNH slide P5742 (137)
 (Dev., Teignmouth)

- 3 BMNH slide P5742 (137a)
(Dev., Teignmouth)
Nicholson material: ENGLAND, Teignmouth, Devon
(BMNH P5738 (8), P5742 (3), P5748 (6), P6189 (2)).
- Parallelopora goldfussi* Bargatzky 1881
143, 95-6, pl. 11, fig. 9.
pl. 11, fig 9 BMNH slide P5930 (105a) ?
(Dev., Hand)
162, 191-6, figs. 22-25, pl. 25, figs. 4-9.
fig. 22 BMNH P5550 (in 2 pieces)
(Dev., Hebborn)
23A BMNH slide P5936 (125)
(Dev., Büchel)
B BMNH slide P5936 (125a)
(Dev., Büchel)
24 BMNH slide P5548 (106c) ?
(Dev., Steinbreche)
25 BMNH slide P5548 (106b) ?
(Dev., Steinbreche)
pl. 25, fig. 4 BMNH slide P5548 (106)
(Dev., Steinbreche)
5 BMNH slide P5548 (106b)
(Dev., Steinbreche)
6 BMNH slide P5557 (113a-e)
(Dev., Devonshire)
7 BMNH slide P5557 (113a-e)
(Dev., Devonshire)
8 BMNH slide P5933 (114a)
(Dev., Devonshire)
9 BMNH slide P5933 (114)
(Dev., Devonshire)
- Parallelopora ostiolata* Bargatzky 1881
143, 95-6, pl. 2, figs. 6, 7.
pl. 2, fig. 6 BMNH slide P5936 (125)
(Dev., Büchel)
7 BMNH slide P5936 (125a)
(Dev., Büchel)
- Rosenella (Stromatopora) dentata* (Rosen 1867)
143, 84-5.
148, 19-20, pl. 1, figs. 4, 5.
pl. 1, fig 4 BMNH slide P5999 (281a)
(Sil., Kattentack)
5 BMNH slide P5999 (281)
(Sil., Kattentack)
- Rosenella macrocystis* Nicholson 1886
143, 84, pl. 7, figs. 12, 13.
pl. 7, fig. 12 BMNH slide P5490 (280)
(Sil., Wisby)
13 BMNH slide P5490 (280a)
(Sil., Wisby)
148, 20-1, pl. 1, fig. 8.
pl. 1, fig. 8 BMNH slide P5490 (280)
(Sil., Wisby)
Nicholson material: SWEDEN, Wisby, Gotland,
(BMNH P5490 (10)).
- Rosenella pachyphylla* Nicholson 1886
148, 21, pl. 1, figs. 6, 7.
pl. 1, fig. 6 BMNH slide P5629 (283a)
(Sil., Kattentack)
7 BMNH slide P5629 (283b)
(Sil., Kattentack)
Nicholson material: USSR, Kattentack, Estonia
(BMNH P5629 (13)).
- Stachyodes ramosa* Bargatzky 1881
143, 107-9. 164, 220 (= *S. verticillata*).
- Stachyodes verticillata* (M'Coy 1851)
143, pl. 8, figs. 9-14, pl. 11, figs. 5, 6.
pl. 8, fig. 9 BMNH P5485 (Dev., Hebborn)
10 BMNH slide P6069 (397h)
(Dev., Hebborn)
11 BMNH slide P6069 (397j)
(Dev., Hebborn)
12 BMNH P6069 (Dev., Hebborn)
13 BMNH slide P6069 (397b) ?
(Dev., Hebborn)
14 BMNH slide P6069 (397) ?
(Dev., Hebborn)
pl. 11, fig. 5 BMNH slide P6070 (398a)
(Dev., Teignmouth)
6 BMNH slide P6069 (397i)
(Dev., Hebborn)
- 164, 221-3, pl. 29, figs. 1, 2.
pl. 29, fig. 1 BMNH slide P6066 (394)
(Dev., Teignmouth)
2 BMNH slide P6067 (395)
(Dev., Teignmouth)
- Note: These are the figured specimens, but the labels
say 'Shaldon'.
- Stromatocerium canadense* Nicholson & Murie 1878
121, 210-1, 213-4, 223, pl. 3, figs. 9-10.
pl. 3, fig. 9 BMNH slide P5994 (274a) ?
(Ord., Couchiching)
10 BMNH slide P5994 (274b)
(Ord., Couchiching)
- 143, 83-4, pl. 2, figs. 3-5 ('*Labechia canadense*').
pl. 2, fig. 3 BMNH slide P5994 (274b)
(Ord., label reads Couchiching)
4 BMNH slide P5994 (274d)
(Ord., label reads Couchiching)
5 BMNH slide P5994 (274d)
(Ord., label reads Couchiching)
- 148, 14-15, pl. 2, fig. 5.
pl. 2, fig. 5 BMNH slide P5989 (269)
(Sil., Saak)
- 162, 163-4, pl. 20, fig. 9.
pl. 20, fig. 9 BMNH slide P5995 (275a)
(Ord., Aldons)
Nicholson material: SCOTLAND, Aldons, Girvan,
Ayrshire (BMNH H2511, P5995 (14)); USSR, Saak,
Estonia (BMNH P5989 (5), P5990 (10)); CANADA, Lake
Couchiching, Ontario (BMNH P5994 (9)), Peterboro',
Ontario (BMNH P5991 (5), P5992 (4), P5993 (4)),
Port Colborne, Ontario (AUGD 1844).
Note: Further study and collection have shown (Webby,
1977) that the Scottish specimens are different from
the Canadian ones. The new species *Labechia aldonensis*
Webby 1977 is erected for the Girvan material and for
the slide figured in 162 pl. 20, fig. 9, which Webby was
unable to find.
- Stromatopora antiqua* (Nicholson & Murie 1878) (see
Pachystroma antiqua)
- Stromatopora beuthii* Bargatzky 1881
143, pl. 5, figs. 12, 13, pl. 10, figs. 10-12.
pl. 5, fig. 12 BMNH slide P5903 (66a) ?
(Dev., Hebborn)

- 13 BMNH slide P5903 (66b) ?
(Dev., Hebborn)
- pl. 10, fig. 10 BMNH P5839 (81)
(Dev., Teignmouth)
- 11 BMNH slide P5839 (81)
(Dev., Teignmouth)
- 12 BMNH slide P5839 (81a)
(Dev., Teignmouth)
- 162, 183-6, figs. 21 A-C, pl. 23, figs. 8-13, pl. 24, fig. 1.
fig. 21A BMNH slide P5530 (65a) ?
(Dev., Büchel)
- B BMNH slide P5530 (65) ?
(Dev., Büchel)
- C BMNH slide P5903 (66a) ?
(Dev., Hebborn)
- pl. 23, fig. 8 BMNH P5907 (74)
(Dev., South Devon)
- 9 BMNH P5837 ? (Dev., Teignmouth)
- 10 BMNH slide P5904 (68)
(Dev., Pit Park Quarry)
- 11 BMNH slide P5904 (68a)
(Dev., Pit Park Quarry)
- 12 BMNH slide P5906 (71)
(Dev., South Devon)
- 13 BMNH slide P5838 (78)
(Dev., Teignmouth)
- pl. 24, fig. 1 BMNH slide P5838 (78c)
(Dev., Teignmouth)
- Stromatopora borealis* Nicholson 1891
- 161, 315-6, pl. 9, figs. 7, 8.
pl. 9, fig. 7 BMNH slide P5894 (38)
(Sil., Kattripank)
- 8 BMNH slide P5894 (38a)
(Sil., Kattripank)
- Nicholson material: USSR, Kattripank, Oesel, Estonia
(BMNH P5894 (23), P6215 (4), P6216 (7), P6269,
P6270 (2)).
- Stromatopora bücheliensis* (Bargatzky 1881)
- 143, fig. 6C, D (p. 50), pl. 10, figs. 5-7.
fig. 6C BMNH slide P5909 (83)? (Dev., Büchel)
- D BMNH slide P5909 (83a) ? (Dev., Büchel)
- pl. 10, fig. 5 BMNH P5910 (84) (Dev., Büchel)
- 6 BMNH slide P5910 (84)
(Dev. Büchel)
- 7 BMNH slide P5910 (84a)
(Dev. Büchel)
- 162, 186-8, fig. 20C, D(= 143 fig. 6C, D), pl. 23, figs.
6-7.
pl. 23, fig. 6 BMNH slide P5914 (88)
(Dev., Teignmouth)
- 7 BMNH slide P5914 (88a)
(Dev., Teignmouth)
- 174, fig. 119C, D (= 143, fig. 6C, D).
- Stromatopora bücheliensis* var. *digitata* Nicholson 1891
- 162, 187, pl. 23, figs. 4, 5.
pl. 23, fig. 4 BMNH slide P5920 (95)
(Dev., Pit Park Quarry)
- 5 BMNH slide P5920 (95)
(Dev., Pit Park Quarry)
- Nicholson material: ENGLAND, Dartington, Devon
(BMNH P6202; AUGD 1711), Pit Park Quarry,
Dartington, Devon (BMNH P5920 (11), P5921 (8)),
Teignmouth, Devon (AUGD 10278 (2)).
- Stromatopora carteri* Nicholson 1886
- 143, pl. 1, figs. 6, 7.
pl. 1, fig. 6 BMNH slide P5678 (37)
(Sil., Ironbridge)
- 7 BMNH slide P5678 (37d)
(Sil., Ironbridge)
- 161, 314-5, pl. 9, figs. 5, 6.
pl. 9, fig. 5 BMNH slide P5588 (295)
(Sil., Hayes River)
- 6 BMNH slide P5588 (295a)
(Sil., Hayes River)
- 162, 174-6, pl. 23, figs. 1-3.
pl. 23, fig. 1 BMNH slide P5678 (37)
(Sil., Ironbridge)
- 2 BMNH slide P5678 (37d)
(Sil., Ironbridge)
- 3 BMNH slide P5678 (37a)
(Sil., Ironbridge)
- Nicholson material: ENGLAND, Teignmouth, Devon
(AUGD 10278 (2)), Ironbridge, Shropshire (BMNH
P5678 (9), P6150 (2), P6193); CANADA, Hayes
River, Hudson Bay, Ontario (BMNH P5588 (4)).
- Stromatopora concentrica* Goldfuss 1829
- 55, 95 (Dev., Ontario). 67. 142* (Sil., Ontario).
71, 17 (Dev., Ontario). 80, 63 (Sil., Ontario). 85,
247-8 (Sil., Ohio).
- 143, 2, 91, pl. 11, figs. 15-18.
pl. 11, fig. 15 BMNH P5870 (Dev., Gerolstein)
- 16 BMNH slide P5869 (1)
(Dev., Gerolstein)
- 17 BMNH slide P5671 (3a)
(Dev., Gerolstein)
- 18 BMNH slide P5869 (1a)
(Dev., Gerolstein)
- 162, 164-9, pl. 20, fig. 10, pl. 21, figs. 2-3.
pl. 20, fig. 10 BMNH P5872 (10)
(Dev., Lummaton)
- 11 BMNH slide P5871 (9a)
(Dev., Lummaton)
- 12 BMNH slide P5871 (9)
(Dev., Teignmouth)
- (Note: label of P5871 reads 'Lummaton')
- pl. 21, fig. 2 BMNH slide P5631 (6)
(Dev., Sötenich)
- 3 BMNH P5079 (Dev., Sötenich)
- Stromatopora concentrica* var. *astrigera* Nicholson 1891
- 162, 166, pl. 24, figs. 9, 10.
pl. 24, fig. 9 BMNH slide P5875 (16)
(Dev., Teignmouth)
- 10 BMNH slide P5668
(Dev., Teignmouth)
- Nicholson material: ENGLAND, Chinkenwell Quarry,
South Devon (BMNH P5876 (4)), Teignmouth, Devon
(BMNH P5668, P5875 (5)).
- Stromatopora concentrica* var. *colliculata* Nicholson 1886
- 143, pl. 3, fig. 5; pl. 5, figs. 16, 17.
pl. 3, fig. 5 BMNH slide P5873 (11)
(Dev., Gerolstein)
- pl. 5, fig. 16 BMNH slide P5867 (13)
(Dev., Gerolstein)
- 17 BMNH slide P5867 (13b)
(Dev., Gerolstein)
- 162, 165-6, pl. 21, fig. 1
pl. 21, fig. 1 BMNH P5868 (Dev., Gerolstein)

- Nicholson material: ENGLAND, Teignmouth, Devon (BMNH P5482 (3), P5667, GERMANY, Gerolstein, Eifel (BMNH P5632 (3), P5850 (3), P5866, P5867 (5), P5868, P5873 (4), P5874 (6); AUGD 1911, slide 01368).
- Stromatopora ? dartingtonensis* Carter 1879
147, pl. 4, figs. 1, 1a (see *Parallelopora dartingtonensis*).
- Stromatopora (Coenostroma) discoidea* (Lonsdale 1839)
121, pl. 2, fig. 3.
pl. 2, fig. 3 BMNH slide P6079 (409) ?
(Sil., Gotland)
143, 54-5, pl. 3, fig. 3, pl. 7, figs. 1, 2.
pl. 3, fig. 3 BMNH slide P5519 (47)
(Sil., Wisby)
pl. 7, fig. 1 BMNH slide P5511 (43)
(Sil., Ironbridge)
2 BMNH slide P5511 (43a)
(Sil., Ironbridge)
162, 188-91, pl. 24, figs. 2-8.
pl. 24, fig. 2 BMNH P5896 (42)
(Sil., Dudley)
3, 4 BMNH P5897 (Sil., Gotland)
5 BMNH slide P5895 (39) ?
(locality ?)
6 BMNH slide P5895 (39a)
(Sil., Ironbridge)
7 BMNH slide P5895 (39b)
(Sil., Ironbridge)
- Stromatopora florifera* Nicholson 1891
162, 182, pl. 22, figs. 8-10.
pl. 22, fig. 8 BMNH slide P5926 (101)
(Dev., Teignmouth)
9 BMNH slide P5926 (101a)
(Dev., Teignmouth)
10 BMNH slide P5926 (101)
(Dev., Teignmouth)
Nicholson material: ENGLAND, Teignmouth, Devon (BMNH P5926 (3), P5927 (3), P5928 (6), P5929 (4), P6129).
- Stromatopora granulata* Nicholson 1873
55, 94, pl. 4, figs. 3, 3a.
pl. 4, fig. 3a BMNH H4524 ??
(Dev., label reads Manitowannis)
60, 10-11.
71, 16-17, pl. 1, figs. 3, 3a (= 55, pl. 4, figs. 3, 3a).
121, pl. 1, figs. 11-13.
pl. 1, fig. 11 BMNH slide P6021 (329) ?
(Dev., Ontario)
12 BMNH slide P6021 (329c) ?
(Dev., Ontario)
13 BMNH slide P6021 (329a) ?
(Dev., Ontario)
143, 37, 51, 93-4, pl. 1, figs. 4, 5, 14, 15, pl. 4, fig. 6.
pl. 7, figs. 5, 6 ('*Stromatoporella granulata*').
pl. 1, fig. 4 BMNH slide P6021 (329a)
(Dev., Arkona)
5 BMNH slide P6021 (329a)
(Dev., Arkona)
14 BMNH slide P6022 (330)
(Dev., Ontario) (= *S. selwynii* q.v.)
15 BMNH slide P6021 (329a)
(Dev., Arkona)
pl. 4, fig. 6 BMNH slide P6021 (329c)
(Dev., Canada)
- pl. 7, fig. 5 BMNH slide P6021 (329)
(Dev., Arkona)
6 BMNH slide P6021 (329c) ?
(Dev., Arkona)
148, 10-11.
164, 202-4, pl. 26, fig. 1.
pl. 26, fig. 1 BMNH P6021 (Dev., Arkona)
1a BMNH slide P6021 (329)
(Dev., Arkona)
1b BMNH slide P6021 (329c) ?
(Dev., Arkona)
Nicholson material: CANADA, western Ontario (BMNH 56387, 56421, 56471; RSM 1875.1.3a), Arkona, Ontario, (BMNH H4523-6, P6021 (16), AUGD 1763 (4)), Manitowannis, Ontario (BMNH H4534), Port Colborne, Ontario (BMNH P5675 (3), P5676, P5677, P6245 (2)), Wainfleet, Ontario (AUGD 10666).
Note: St. Jean (1977) has requested the International Commission on Zoological Nomenclature to designate BMNH P6021 (no. 329, slides 329a-f) as neotype in the absence of the originals of the 1873 figures. Benton (1978) gives a comment in support of this request.
- Stromatopora hindei* Nicholson 1874
60, 12-14, fig. 3a-c (Sil., Owen Sound). 67, 140.
71, 12, fig. 1 (= 60, fig. 3).
80, 43, 49-51, fig. 23 (= 60, fig. 3).
121, fig. 3 (= 60, fig. 3).
Nicholson material: CANADA, Manitowannis, Ontario (BMNH H4528).
- Stromatopora hudsonica* (Dawson 1879)
161, 312-3, pl. 8, figs. 1-3.
pl. 8, fig. 1 BMNH slide P5600 (293a)
(Sil., Cape Churchill)
2 BMNH slide P5600 (293)
(Sil., Cape Churchill)
3 BMNH slide P5593 (292)
(Sil., Cape Churchill)
- Stromatopora hüpschii* (Bargatzky 1881)
143, fig. 6A, B, pl. 10, figs. 8, 9.
fig. 6A BMNH slide P5879 (22) (Dev., Büchel)
B BMNH slide P5879 (22a) (Dev., Büchel)
pl. 10, fig. 8 BMNH slide P5488 (21)
(Dev., Büchel)
9 BMNH slide P5488 (21a)
(Dev., Büchel)
162, 176-81, figs. 20A, B (= 143, fig. 6A, B), 21D,
pl. 22, figs. 3-7.
fig. 21D BMNH slide P5879 (22) (Dev., Büchel)
pl. 22, fig. 3 BMNH slide P5883 (26a)
(Dev., Teignmouth)
4 BMNH slide P5883 (26)
(Dev., Teignmouth)
5 BMNH slide P5890 (33)
(Dev., Teignmouth)
6 BMNH slide P6273 (20)
(Dev., Büchel)
7 BMNH slide P5877 (19)
(Dev., Dartington)
174, fig. 119A, B (= 143, fig. 6A, B).
- Stromatopora hüpschii* var. *seposita* Nicholson 1891
162, 178, 181 (Dev., Teignmouth)
Nicholson material: ENGLAND, Teignmouth, Devon (BMNH P5892 (4), P5893 (5), P6327, P6328; AUGD 10082, slide 10082).

- Stromatopora inaequalis* Nicholson 1891
 162, 181, pl. 24, figs. 11, 12.
 pl. 24, fig. 11 BMNH P5923 (98) ?
 (Dev., Teignmouth)
 12 BMNH slide P5923 (98) ?
 (Dev., Teignmouth)
 Nicholson material: ENGLAND, Teignmouth, Devon
 (BMNH P5923 (7), P5924 (2), P5925 (4)).
- Stromatopora mammillata* Nicholson 1873
 55, 94-5, pl. 4, fig. 4.
 pl. 4, fig. 4 BMNH P5766 (Dev., Port Colborne)
 71, 17, pl. 1, fig. 4 (= 55, pl. 4, fig. 4).
 121, pl. 1, fig. 10.
 pl. 1, fig. 10 BMNH P5766 (Dev., Port Colborne)
 157, pl. 19, figs. 10-12.
 pl. 19, fig. 10 BMNH P6136 (Sil., Estonia)
 11 BMNH slide P6136 (248)
 (Sil., Estonia)
 12 BMNH slide P6136 (248a)
 (Sil., Estonia)
 Nicholson material: USSR, Estonia (BMNH P6136 (3));
 CANADA, (BMNH P5764, P5765 (4), Port
 Colborne, Ontario (BMNH H4538-40, P5766).
 Note: Fagerstrom (1977) discusses the Canadian
 specimens figured by Nicholson, but does not designate
 a lectotype.
- Stromatopora nodulata* Nicholson 1875
 85, 249-51, pl. 24, figs. 3, 3a, 3b.
 pl. 24, fig. 3b BMNH slide P5604 (310a) ?
 (Dev., Kelley's Island)
 121, pl. 1, figs. 8-9.
 pl. 1, fig. 8, 9 BMNH slide P5604 (310c)
 (Dev., Kelley's Island)
 161, 325-6, pl. 10, figs. 5-7 ('*Syringostroma nodulatum*')
 pl. 10, fig. 5 BMNH slide P5604 (310b)
 (Dev., Kelley's Island)
 6 BMNH slide P5604 (310c)
 (Dev., Kelley's Island)
 7 BMNH slide P5604
 (Dev., Kelley's Island)
 Nicholson material: USA, Kelley's Island, Ohio (BMNH
 P5604 (5)).
 Note: Nicholson's handwritten label on BMNH P5604
 states 'parts of original specimen', and in his catalogue,
 he writes 'original specimen'.
- Stromatopora nulliporoides* Nicholson 1875
 80, 78 (Dev., Arkona)
 148, 8 (= *Stromatoporella curiosa*).
 161, 310 (= *Coenostroma incrustans*).
 Nicholson material: CANADA, Western Ontario (RSM
 1875.1.3), Arkona, Ontario (BMNH P6026 (15)).
 Note: In his handwritten catalogue, Nicholson
 described BMNH P6026 (336, a) as follows:
 'This is the *Stromatopora nulliporoides* Nich. See Rep.
 Pal. Ontario 1875, p. 78.'
- Stromatopora ostiolata* Nicholson 1873
 55, 90-2, pl. 4, fig. 1, 1a
 pl. 4, fig. 1, 1a BMNH H4521 ? (Sil., Guelph)
 Note: The figure could be a part of H4521.
 71, pl. 1, figs. 1, 1a (= 55, pl. 4, figs. 1, 1a).
 80, 63-5.
 121, pl. 2, figs. 1, 2.
 pl. 2, fig. 1, 2 BMNH slide P6006 (312)
 (Sil., Canada)
- 149, 11-12, pl. 3, figs. 1-3 ('*Clathrodictyon ostiolata*').
 pl. 3, fig. 1 BMNH slide P6006 (312)
 (Sil., Guelph)
 2 BMNH slide P6006 (312a)
 (Sil., Guelph)
 3 BMNH P6006 (Sil., Guelph)
 Nicholson material: CANADA, Durham, Ontario
 (BMNH P6015 (3), P6016 (8)), Guelph, Ontario
 (BMNH H4521, P6006 (16)), Lake Manitoba, Manitoba
 (BMNH P6009 (7)).
- Stromatopora perforata* Nicholson 1874
 60, 10-12, fig. 2.
 fig. 2a, b, c BMNH P5582 (Dev., Port Colborne)
 71, 15-16, fig. 3 (= 60, fig. 2).
 121, 219-20, fig. 4 (= 60, fig. 2) (= *Caunopora*).
 Nicholson material: CANADA, Port Colborne, Ontario
 (BMNH P5582 (5)).
 Note: BMNH P5582 (3 specimens and 2 slides) are
 labelled '*Caunopora perforata*, type specimens' in
 Nicholson's hand.
- Stromatopora ponderosa* Nicholson 1875
 85, 246-7, pl. 24, fig. 4-4b (Dev., Kelley's Island).
 Note: I have found no Nicholson material of this
 species.
- Stromatopora rugosa* (Hall 1847).
 121, fig. 1 (copy).
- Stromatopora striatella* D'Orbigny 1849
 72, 145 (Sil., Thorold, Rockwood)
 80, 49. (Sil., Thorold, Rockwood)
 121, pl. 1, figs. 4-7. (Sil., Gotland)
- Stromatopora substriatella* Nicholson 1875
 85, 248-9, pl. 24, figs. 5, 5a (Dev., Marblehead)
 Note: I have found no Nicholson material of this species.
- Stromatopora tuberculata* Nicholson 1873
 55, 92-3, pl. 4, fig. 2.
 pl. 4, fig. 2 BMNH P5627
 (Dev., Ridgeway/Port Colborne)
 2a BMNH P5627
 (Dev., Ridgeway/Port Colborne)
 60, 8-10, fig. 1.
 fig. 1a BMNH 56463 (Dev., Port Colborne)
 1b BMNH 56463 (Dev., Port Colborne)
 1c BMNH 56463 (Dev., Port Colborne)
 71, 14-15, fig. 2, (= 60, fig. 1), pl. 1, figs. 2, 2a (= 55.
 pl. 4, figs. 2, 2a).
 121, fig. 2, (= 60, fig. 1), pl. 1, figs. 1-3.
 pl. 1, fig. 2 RSM slide 1968.15.31 (Dev., Jarvis)
 3 RSM slide 1968.15.36 (Dev., Jarvis)
 149, 15-16, pl. 3, figs. 9-11 ('*Stromatoporella* (?)
tuberculata').
 pl. 3, fig. 9 BMNH slide P6024 (332)
 (Dev., Ontario)
 10 BMNH slide P6024 (332b)
 (Dev., Ontario)
 11 BMNH slide P6024 (332)
 (Dev., Ontario)
 Nicholson material: CANADA (RSM slides 1968.15.31-
 36), Western Ontario (RSM 1875.1.1, 1875.1.2 (2);
 BMNH 56472), Port Colborne, Ontario (BMNH 56463,
 H4553-5, P5625, P5626, P6024 (13), P6025 (7);
 AUGD 1714, 10083 (2), 10118 (2)), Ridgeway/Port
 Colborne, Ontario (BMNH P5627).

Stromatopora typica Rosen 1867

- 143, pl. 1, fig. 3, pl. 5, figs. 14, 15.
pl. 1, fig. 3 BMNH slide P5900 (49)
(Sil., Ironbridge)
pl. 5, fig. 14 BMNH slide P5900 (49)
(Sil., Ironbridge)
15 BMNH slide P5900 (49a)
(Sil., Ironbridge)
162, 169-74, pl. 21, figs. 4-11, pl. 22, figs. 1-2.
pl. 21, fig. 4-7 BMNH P5899 (48)
(Sil., Ironbridge)
8 BMNH P5566 (Sil., Dudley)
9 BMNH slide P5867 (13) ?
(Sil., Ironbridge)
10 BMNH slide P5867 (13b) ?
(Sil., Ironbridge)
11 BMNH P5901 (50)
(Sil., Northern Germany)
pl. 22, fig. 1 BMNH slide P5900 (49) ?
(Sil., Ironbridge)
2 BMNH slide P5561 (53)
(Sil., Ironbridge)

Note: P5561 is the figured slide, but its label reads 'Benthall' but given as 'Ironbridge' in Nicholson's M.S. catalogue.

Stromatoporella sp. Nicholson 1886

- 143, pl. 11, figs. 3, 4.
pl. 11, fig. 3 BMNH slide P6096 (442)
(Dev., Gerolstein)
4 BMNH slide P6096 (442a)
(Dev., Gerolstein)

Stromatoporella arachnoidea Nicholson 1886

- 145, 237-8, pl. 8, figs. 1, 2.
pl. 8, fig. 1 BMNH slide P6063 (384a)
(Dev., Büchel)
2 BMNH slide P6063 (384)
(Dev., Büchel)
Nicholson material: GERMANY, Büchel, Eifel (BMNH P6063 (6)), Gees, Gerolstein, Eifel (BMNH P6064 (5)).

Stromatoporella curiosa (Bargatzky 1881)

- 143, pl. 2, fig. 14 (*Stromatoporella* sp. (cf. *S. curiosa*)).
pl. 2, fig. 14 BMNH P5680/P5682 ?
(Dev., Büchel)
148, 8-9, pl. 1, figs. 1-3.
pl. 1, fig. 1 BMNH P6157 (Dev., Büchel)
2 BMNH slide P6052 (373)
(Dev., Büchel)
3 BMNH slide P6052 (373a)
(Dev., Büchel)
164, 213-5, pl. 28, figs. 1-3.
pl. 28, fig. 1 BMNH P6157 (Dev., Büchel)
2 BMNH slide P6052 (373)
(Dev., Büchel)
3 BMNH slide P6052 (373a)
(Dev., Büchel)

Stromatoporella damnoniensis Nicholson 1886

- 145, 237, pl. 8, figs. 3, 4.
pl. 8, fig. 3 BMNH slide P6042 (355b)
(Dev., Teignmouth)
4 BMNH slide P6042 (355)
(Dev., Teignmouth)
164, 207-8, pl. 27, figs. 8, 9 (= 145, pl. 8, figs. 3, 4).
Nicholson material: ENGLAND, Teignmouth, Devon,
(BMNH P5732, P5733, P6042 (7); AUGD 1840);

GERMANY, Gerolstein, Eifel (BMNH P5735 (3)),
Sötenich, Eifel (BMNH P5734 (2), P5736 (4), P6091
(4)).

Stromatoporella eifelensis Nicholson 1886

- 143, 29, 37, 47, 51, 57, 94, fig. 7, pl. 2, figs. 9, 10, pl. 4
fig. 2; pl. 7, figs. 3, 4; pl. 11, figs. 1, 2.
fig. 7 BMNH slide P6037 (350a) (Dev., Gerolstein)
(*S. solitaria* q.v.)
pl. 2, fig. 9 BMNH slide P4464 ('tang.')
(Dev., Gerolstein)
10 BMNH slide P4464 ('long.')
(Dev., Gerolstein)
pl. 4, fig. 2 BMNH P6176 (Dev., Gerolstein)
pl. 7, fig. 3 BMNH slide P5509 (342a) ?
(Dev., Gerolstein)
4 BMNH slide P5509 (342b) ?
(Dev., Gerolstein)
pl. 11, fig. 1 BMNH slide P6033 (343b)
(Dev., Gerolstein)
2 BMNH slide P6033 (343a)
(Dev., Gerolstein)

145, 235-7, pl. 8, figs. 5-7.

- pl. 8, fig. 5 BMNH slide P6035 (348) ?
(Dev., Gerolstein) (*S. solitaria* q.v.)
6 BMNH slide P6033 (343a)
(Dev., Gerolstein)
7 BMNH slide P6033 (343b)
(Dev., Gerolstein)

159, 193, pl. 8, figs. 7a-c.

- pl. 8, fig. 7a BMNH P4966 (Dev., Rough Range)
b BMNH P4966 (Dev., Rough Range)
c BMNH slide P4464
(Dev., Rough Range)

Note: fig. 7b is not 'nat. size', but nearer $\frac{2}{3}$

164, 208-10, pl. 27, figs. 1-3.

- pl. 27, fig. 1 BMNH P6033 (343)
(Dev., Gerolstein)
2 BMNH slide P6033 (343a)
(Dev., Gerolstein)
3 BMNH slide P6033 (343b)
(Dev., Gerolstein)

Nicholson material: GERMANY, Aberg, Gerolstein,
Eifel (BMNH P5503 (2), P5509 (4)), Gees, Gerolstein,
Eifel (BMNH P5502 (3)), Gerolstein, Eifel (BMNH
P4464 (2), P5501 (3), P5504, P5505, P5506, P5507 (3),
P5508, P5510 (8), P5648, P5854, P6033 (7), P6176,
P6205 (7); AUGD 1874 (13), 10116 (6), slides
04514-5); AUSTRALIA, Rough Range, Western
Australia (BMNH P4464, P4966).

Stromatoporella granulata (Nicholson 1873) (see
Stromatopora granulata)

Stromatoporella incrustans (Hall & Whitfield 1873)

- 143, pl. 3, fig. 6 (copy).

Stromatoporella laminatum (Bargatzky 1881)

- 143, 93, pl. 10, figs. 1-4; pl. 11, fig. 10.
pl. 10, fig. 1 BMNH slide P6055 (376a)
(Dev., Büchel)
2 BMNH slide P6055 (376b)
(Dev., Büchel)
3 BMNH slide P6294/6 ?
(Dev., Büchel)
4 BMNH P6294/6 ? (Dev., Büchel)
pl. 11, fig. 10 BMNH slide P6056 (377b)
(Dev., Büchel)

- 145, 234-5, pl. 7, figs. 9, 10.
pl. 7, fig. 9 BMNH slide P6056 (377)
(Dev., Büchel)
10 BMNH slide P6055 (376b)
(Dev., Büchel)
- Stromatoporella selwynii* Nicholson 1892
164, 205-6, pl. 26, figs. 2-4.
pl. 26, fig. 2 BMNH P6022 (330)
(Dev., Port Colborne)
3 BMNH slide P6022 (330a)
(Dev., Port Colborne)
4 BMNH slide P6022 (330)
(Dev., Port Colborne)
Also 143, pl. 1, fig. 14 ('*S. granulata*').
Nicholson material: CANADA, Port Colborne, Ontario
(BMNH P6022(5), P6023 (3)).
Note: See St. Jean (1977) for discussion in relation to
type specimens of *S. granulata*.
- Stromatoporella socialis* Nicholson 1892
164, 206-7, pl. 26, figs. 5-7.
pl. 26, fig. 5 BMNH slide P5699 (362a)
(Dev., Teignmouth)
6 BMNH slide P6043 (358a)
(Dev., Teignmouth)
7 BMNH slide P6043 (358)
(Dev., Teignmouth)
Nicholson material: ENGLAND, Bishopsteignton, Devon,
(BMNH P5695), Dartington, Devon (BMNH P5694,
P5702 (2)), Teignmouth, Devon (BMNH P5693 (2),
P5696 (4), P5697 (5), P5698 (2), P5699 (7), P5700 (6),
P5701 (4), P5703 (3), P5704 (3), P5705 (2), P5706 (2),
P5707 (2), P6043 (10), P6044 (7), P6045 (5), P6046 (8),
P6192; AUGD 1780 (2)); GERMANY, Gerolstein, Eifel
(BMNH P6047 (3), P6048 (6), P6049 (12), P6050 (3),
P6092 (3), P6093 (4), P6095 (8), P6096 (3)).
- Stromatoporella solitaria* Nicholson 1892
164, 210-3, fig. 28, pl. 27, figs. 4-7.
fig. 28 = fig. 7 (143) ('*S. eifelensis*')
pl. 27, fig. 4 BMNH P6039 (352) (Dev., Gerolstein)
5 BMNH slide P6035 (348)
(Dev., Gerolstein)
6 BMNH slide P6035 (348)
(Dev., Gerolstein)
7 BMNH slide P6035 (348a)
(Dev., Gerolstein)
(Also: pl. 2, figs. 9, 10, pl. 7, fig. 4: '*S. eifelensis*' q.v.)
Nicholson material: ENGLAND, Teignmouth, Devon
(P6041(4)); GERMANY, Auberg, Gerolstein, Eifel (BMNH
P6329); Gerolstein, Eifel (BMNH P6034 (3), P6035 (5),
P6036 (3), P6037 (5), P6038 (4), P6039 (3), P6040 (5),
P6347 (2)).
- Stromatoporella tuberculata* (Nicholson 1873) (see
Stromatopora tuberculata)
- Stylodictyon columnare* (Nicholson 1875) (see *Syringostroma columnaris*)
- Stylodictyon retiforme* Nicholson & Murie 1878
121, 222, pl. 2, fig. 14, pl. 3, figs. 1-3.
pl. 3, fig. 1, 2 BMNH slide P5596 (313a)
(Dev., Canada)
3 BMNH slide P5596 (313)
(Dev., Canada)
- 149, 13-14, pl. 3, figs. 6-8 ('*Clathrodictyon retiforme*').
pl. 3, fig. 6 BMNH slide P5596 (313)
(Dev., Canada)
7 BMNH slide P5596 (313a)
(Dev., Canada)
8 BMNH slide P5596 (313)
(Dev., Canada)
Nicholson material: CANADA, Arkona, Ontario (BMNH
P5596 (11)); USA, Falls of the Ohio, Kentucky (BMNH
P6247).
- Syringostroma columnaris* Nicholson 1875
85, 263, pl. 24, figs. 1, 1a.
pl. 24, fig. 1 BMNH P6031 (Dev., Sandusky)
1a BMNH slide P6031 (340a)
(Dev., Sandusky)
121, 221-2, pl. 3, figs. 4-8 ('*Stylodictyon columnare*').
pl. 3, fig. 4 BMNH P6031 (Dev., Sandusky)
5 BMNH P6031 (Dev., Sandusky)
6 BMNH slide P6031 (340a)
(Dev., Sandusky)
7 BMNH slide P6031 (340b)
(Dev., Sandusky)
8 BMNH slide P6031 (340)
(Dev., Sandusky)
143, 80, pl. 7, figs. 7-11.
pl. 7, fig. 7, 8 BMNH P6031 (340) (Dev., Sandusky)
9 BMNH slide P6031 (340a)
(Dev., Sandusky)
10 BMNH slide P6031 (340b)
(Dev., Sandusky)
11 BMNH slide P6031 (340a)
(Dev., Sandusky)
Nicholson material: USA, Alpena, Ohio (BMNH P6246),
Kelley's Island, Ohio (BMNH H4536), Sandusky, Ohio
(BMNH P6031 (4)).
Note: BMNH P6031 (340, a, b) is described in
Nicholson's handwritten catalogue as the 'original
specimen'.
- Syringostroma densa* Nicholson 1875
85, 251-2, pl. 24, figs. 2-2b.
pl. 24, fig. 2b BMNH slide P5598 (311b) ?
(Dev., Kelley's Island/Sandusky)
121, 222-4 ('*Pachystroma*').
143, 97-8, pl. 11, figs. 13, 14.
pl. 11, fig. 13 BMNH slide P5598 (311g)
(Dev., Ohio)
14 BMNH slide P5598 (311c)
(Dev., Ohio)
161, 326-7, pl. 10, figs. 8, 9.
pl. 10, fig. 8 BMNH slide P5598 (311g)
(Dev., Kelley's Island)
9 BMNH slide P5598 (311c)
(Dev., Kelley's Island)
Nicholson material: USA, Ohio (AUGD slide 04513),
Kelley's Island, Ohio (BMNH P5598 (11)).
Note: BMNH P5598 is labelled 'original specimen' in
Nicholson's handwriting and is also identified as such in
his catalogue.
- Syringostroma nodulatum* (Nicholson 1875) (see
Stromatopora nodulatum)
- Syringostroma (?) ristigouchense* (Spencer 1884)
143, pl. 11, figs. 11, 12.
pl. 11, fig. 11 BMNH slide P5591 (309a)
(Sil., Ristigouche)
12 BMNH slide P5591 (309)
(Sil., Ristigouche)

COELENTERATA: HYDROZOA*Allopora* sp. Ehrenberg 1834

- 174, 227, 229, fig. 111.
 fig. 111A RSM 1967.66.14 (Recent)
 B RSM 1967.66.15 (Recent)
 C RSM 1967.66.19 (Recent)

Distichopora coccinea Gray

- 143, 71, pl. 4, fig. 4; pl. 9, fig. 5.
 pl. 4, fig. 4 RSM 1967.66.25 (Recent)
 pl. 9, fig. 5 RSM 1967.66.26 (Recent)

Hydractinia circumvestiens (S.V. Wood 1844)

- 143, pl. 6, figs. 7-13.
 pl. 6, fig. 7 BMNH 46797 ? (Plioc., Suffolk)
 8 BMNH 46797 ? (Plioc., Suffolk)

Hydractinia echinata (Fleming 1828)

- 143, pl. 6, figs. 1-6 (fig. 4: copy).
 pl. 6, fig. 1 AUGD slide 01136 ? (Recent)
 2 AUGD slide 01163 ? (Recent)
 3, 3a AUGD slide 01162 ? (Recent)
 5 AUGD slide 01137/8 ? (Recent)
 6 AUGD slide 01134 ? (Recent)

- 174, figs. 79C, D, E.
 Fig. 79C AUGD slide 01138/01163 ? (Recent)
 D AUGD slide 01135/01137 ? (Recent)
 E AUGD slide 01134/01136 ? (Recent)

Millepora sp. Linné 1758

- 127, 12-14
 143, fig. 9, pl. 4, fig. 5 (? *M. tortuosa*).
 fig. 9A RSM 1967.66.4 ? (Recent)
 B RSM 1967.66.5 ? (Recent)
 pl. 4, fig. 5 RSM 1967.66.4 ? (Recent)
 174, 223-6, fig. 109 (= 143, fig. 9).

Millepora alcicornis Linné 1758

- 127, 12-14, fig. 1 (copy).
 174, fig. 108A - C (Recent)

Millepora nodosa Moseley 1876

- 127, 12-14, fig. 2 (copy)

Stoliczkania granulata Duncan 1878

- 174, 227-9, figs. 112-3.
 fig. 112 AUGD 8711 (Trias., Kashmir)
 113A AUGD slide 01109 (Trias., Kashmir)
 B AUGD slide 01143 (Trias., Kashmir)

COELENTERATA: ANTHOZOA: OCTOCORALLIA*Corallium rubra* Linné 1758

- 139, 31-2, fig. 1. (Recent).
 174, fig. 211 (= 139, fig. 1).

Heliopora caerulea Pallas 1766

- 174, 322-4, fig. 215.
 fig. 215A RSM slide 1967.66.38 (Recent)
 B.RSM slide 1967.66.37 (Recent)

Tubipora musica Linné 1758

- 137, 219-29, figs. 1, 2.
 fig. 1A RSM slide 1967.66.31 (Recent)
 B RSM slide 1967.66.30 (Recent)

- C RSM slide 1967.66.29 (Recent)
 fig. 2A RSM slide 1967.66.34 (Recent)
 B RSM slide 1967.66.31 ? (Recent)
 C RSM slide 1967.66.31 ? (Recent)
 139, 29-34.
 174, fig. 212, 213 (= 137, fig. 1, 2).

COELENTERATA: ANTHOZOA: ZOANTHARIA: RUGOSA*Acervularia clintonensis* Nicholson 1875

- 85, 227-8, pl. 23, figs. 2, 2a. (Sil., Yellow Springs)
 Note: I have found no Nicholson material of this species.

Acervularia davidsoni Edwards & Haime 1851

- 85, 240-1. (Dev., Ohio)

Acervularia profunda Hall 1858

- 85, 240. (Dev., Ohio)

Acrophyllum oneidaense (Billings 1859)

- 71, 20-1, pl. 4, figs. 4, 5 (*Clisiophyllum oneidaense*).
 (Dev., Port Colborne)
 97, 455. (Dev., Ontario)

Amplexus sp.

- 92, 424-6, pl. 12, fig. 4A, 4B (Carb., ? Scotland)

Amplexus coralloides Sowerby 1814

- 92, pl. 12, fig. 1-1B (Carb., ? Scotland)
 Note: 'figured specimen lost' according to Hill, 1940, 148.

Amplexus laxatus Billings 1863

- 80, 77. (Sil., Ontario)

Amplexus nodulosus Phillips 1841

- 92, 225, pl. 12, figs. 2, 2A, 3, 3A (Carb., ? Scotland)
 Note: 'specimens lost' according to Hill 1940, 149.

Amplexus yandelli Edwards & Haime 1851

- 67, 142* (Dev., Ontario). 71, 31 (Dev., Ontario)
 80, 67 (Sil., Ontario).

Aspidophyllum sp. Thomson 1875

- 97, 459-60, pl. 23, figs. 4, 5, pl. 24, fig. 2.
 pl. 23, fig. 4 KM.T 1030a, b. (Carb., Brockley)
 5 KM.T 1031 (Carb., Brockley)
 pl. 24, fig. 2 KM.T 567a, b (Carb., Gateside)
 100, pl. 3, figs. 1-7 (see *Rhodophyllum* sp.).

Aspidophyllum elegans Thomson 1875

- 97, pl. 23, figs. 2, 3.
 pl. 23, fig. 2, 2A KM.T 473 (lower part) (Carb., Thirdpart)
 3, 3A KM.T 1027 (Carb., Thirdpart)

Aspidophyllum huxleyanum Thomson 1875

- 97, pl. 24, fig. 1.
 pl. 24, fig. 1, 1A KM.T 1028a-c (Carb., Thirdpart)

Aspidophyllum koninckianum Thomson 1875

- 97, pl. 23, fig. 1.
 pl. 23, fig. 1, 1A KM.T 1026a, b (Carb., Thirdpart)

Astraeophyllum gracile Nicholson & Hinde 1874

- 67, 138*, fig. 4a, 4b. (Sil., Owen Sound)

- 80, 57-8, fig. 28 (= 67, fig. 4).
Nicholson material: CANADA, Owen Sound, Ontario
(AUGD 518 (4)).
- Blothrophyllum approximatum* Nicholson 1873
57, 140-1. (Dev., Ontario)
71, 19-20, pl. 4, fig. 2.
pl. 4, fig. 2 AUGD 663a. (Dev., Port Colborne)
Nicholson material: CANADA, Western Ontario (RSM
1875.1.5), Port Colborne, Ontario (BMNH 56430 (4)),
AUGD 642 (4), 663a).
- Blothrophyllum decorticatum* Billings 1859
71, 19, pl. 4, fig. 3. (Dev., Port Colborne)
- Calophyllum* sp. Dana 1846
93, 63, pl. 6, figs. 5-7.
pl. 6, fig. 6, 6A KM.T 2113 (Carb., Ayrshire)
Note: specimen figured in pl. 6, figs. 7, 7A lost according
to Hill 1940, 129.
- Calostylis andersoni* Nicholson in Nicholson & Lydekker
1889
174, 307-8, fig. 189A-C. (Sil., Shropshire)
Note: I have found no Nicholson material of this species.
- Calostylis breviscula* Nicholson 1887 (nom. nud.)
150, 174 (mentioned: never described or figured)
Nicholson material: ENGLAND, Buildwas, Shropshire
(AUGD 523 (3)).
- Calostylis lindströmi* Nicholson & Etheridge 1878
123, 65-7, pl. 5, figs. 2-2c.
pl. 5, fig. 2 BMNH R26210 (Sil., Penkill)
2a BMNH R26211 (Sil., Penkill)
2b RSM slide 1968.15.162 (Sil., Penkill)
2c RSM slide 1968.15.163 (Sil., Penkill)
- 150, 174.
Nicholson material: SCOTLAND, Penkill, Girvan,
Ayrshire (BMNH R26210, R26211, R26234-7, R26241,
R26246, R26250, R26253, R26269-71, R26594-5,
R26970; RSM slides 1968.15.162-3); ENGLAND,
Dormington and Benthall Edge, Shropshire (AUGD
462 (10), slides 01715-7).
LECTOTYPE: BMNH R26210: Smith, 1930, 266.
PARATYPES: BMNH R26212-3, R26269: Smith, 1930:
276. SYNTYPES: BMNH R26234-7, R26246, R26250,
R26253, R26269-71: Smith, 1930: 266. ('R26210-53,
69-71').
- Campophyllum murchisoni* (Edwards & Haime 1848)
93, pl. 6, figs. 3, 4, 4A (Carb., Durnish, Beith)
- Caninia gigantea* Michelin 1843
93, 66, pl. 6, figs. 1-1I, 2.
pl. 6, fig. 1 HM C4633 + DI K142
(Carb., Auchenskeoch)
1A HM C4633: ?slide from this
(Carb., Bathgate)
1B KM.T 1001 (Carb., Bathgate)
1C KM.T 1102 (Carb., Bathgate)
1E KM.T 1103 (Carb., Bathgate)
2 KM.T 905 (Carb., Brockley)
- Note: Specimens figured in pl. 6, figs. 1D, F-I lost
according to Hill, 1939, 108.
- Carcinophyllum* Thomson 1880
100, fig. H (p. 71), not described.
fig. H AUGD slide 01523 ? (locality?)
- Clisiophyllum* sp. Dana 1846
97, 451-7, pl. 21, figs. 5, 6; pl. 22, figs. 1, 1A, 2.
pl. 21, fig. 5, 5A KM.T 61a-c (L. Carboniferous)
6 KM.T 62a, b (Carb., Brockley)
pl. 22, fig. 2 KM.T 58a-c (Carb., Langside)
- Clisiophyllum bipartitum* M' Coy 1849
97, pl. 21, figs. 3-3C, 4, 4A
pl. 21, fig. 3, 3A KM.T 74a-c (Carb., Broadstones)
pl. 21, fig. 4 KM.T 68a-c (Carb., Broadstones)
4A KM.T 68a-c (Carb., Broadstones)
Note: specimen figured in pl. 21, figs. 3B, 3C lost
according to Hill 1948, 62.
- Clisiophyllum coniseptum* (Keyserling 1846)
97, pl. 22, fig. 3.
pl. 22, fig. 3, 3a KM.T 659; DI.K5a, b
(Carb., Langside)
- Clisiophyllum keyserlingi* M' Coy 1849
97, pl. 21, figs. 1, 2.
pl. 21, fig. 1, KM.T 57a, b (Carb., Auchenskeoch)
2 slide from HM C4377 (Carb., Broadstones)
2A HM 352 ?? (Carb., Broadstones)
174, 293, fig. 171A (= 97, pl. 21, fig. 1).
- Clisiophyllum oneidaense* Billings 1859 (see *Acrophyllum*
oneidaense)
- Clisiophyllum pluriradiale* Nicholson 1874
71, 21. (Dev., Ridgeway, Ontario)
Note: I have found no Nicholson material of this species.
- Columnaria alveolata* Goldfuss 1826
127, 195-6, pl. 10, figs. 1, 1a (= *Favistella stellata* Hall
1847).
pl. 10, fig. 1 RSM slide 1967.66.96 ? (Ord., Ohio)
1a RSM slide 1967.66.96 ? (Ord., Ohio)
- Columnaria (Favistella) calicina* Nicholson 1875
80, 24-5, fig. 9 ('*Favistella (Columnaria) calicina*').
fig. 9 AUGD 8589 (Ord., Credit River)
84, 279; 89-90.
127, 197-9, pl. 10, fig. 2; text fig. 28 (= 80, fig. 9).
pl. 10, fig. 2 GSC slide 6688a (Ord., Canada)
2a GSC slide 6688 (Ord., Canada)
174, 274, figs. 153 (= 80, fig. 9), 154. (Ord., North
America)
Nicholson material: CANADA, Ontario (RSM 1879.58.26:
BMNH R56435 (3: 'A, B, C' of Fedorowski and Jull 1976:
39): GSC slides 6688, a), Credit River, Ontario (AUGD
429, 8589, 10571-3, 10578, slides 8589A, B, 10571A, B,
10572A, B, 10573A, B: GSC slide 32061 (cut from
lectotype, Jull 1976: 459).
LECTOTYPE: AUGD 8589: Jull 1976: 458.
- Columnaria goldfussi* Billings 1858
80, 9. (Ord., Ontario)
- Columnaria (?) halli* Nicholson 1875
84, 289 (= *C. alveolata* Hall 1850 (non Goldfuss, 1826)).
127, 200-2, figs. 28 (2), 29 (copy), pl. 10, figs. 3a.
pl. 10, fig. 3 GSC slide 6690 (Ord., Ontario)

- 3A GSC slide 6690a (Ord., Ontario)
 Note: Jull (1976: 461) calls GSC 6690a 'the type thin sections' of *C. halli*, but he could not find the hand specimen from which they were cut.
 Nicholson material: CANADA, Ontario (GSC slides 6690, a), Belleville, Ontario (BMNH 56460), Peterboro', Ontario (BMNH R440: AUGD 441 (4), 447, slides 441 (1, 2), 441A, B (2), 447 (1, 2)); USA, Jefferson Co., Kentucky (RSM slides 1967.66.97-8; BMNH slides R512 (1, 2); AUGD 8587, slides 8587 (1-6)).
- Crepidophyllum archiaci* (Billings 1860)
 80, 74-5, fig. 41 (copy) ('*Diphyphyllum archiaci*').
 105, 150. 116, 54.
- Crepidophyllum subcaespitosum* (Nicholson 1874)
 (from *Heliophyllum subcaespitosum* q.v.)
 105, 150.
 116, 53-4, figs. C-F.
 fig. C RSM slide 1968.15.139 ?
 (Dev., New York/Ontario)
 D RSM slide 1968.15.135 ?
 (Dev., New York/Ontario)
 E RSM slide 1968.15.139 ?
 (Dev., New York/Ontario)
 F RSM slide 1968.15.143 ?
 (Dev., New York/Ontario)
 174, 247, fig. 128B (cf. 116, fig. C).
- Cyathophyllum* sp. Goldfuss 1826
 93, 60-8, pl. 7, figs. 4, 5, 8.
 pl. 7, fig. 5 KM.T 906 (Carb., Brockley)
- Cyathophyllum heterophyllum* Edwards & Haime 1851
 174, 285-6, fig. 161.
 fig. 161A AUGD slide 01540 (Dev., Gerolstein)
 B AUGD slide 01539 (Dev., Gerolstein)
- Cyathophyllum paracida* M'Coy 1849
 93, pl. 7, fig. 7.
 pl. 7, fig. 7 DI.K.56 (Carb., Lanarkshire)
 7D KM.T 1082 (Carb., Lanarkshire)
 Note: specimens figured in pl. 7, figs. 7A-C
 apparently lost; Hill 1939: 97.
- Cyathophyllum regium* Phillips 1836
 93, pl. 7, fig. 9, 9A (Carb., ?Scotland)
 Note: figured specimens apparently lost; Hill 1940: 121.
- Cyathophyllum zenkeri* Billings 1860
 80, 76. (Sil., Ontario)
- Cyathopsis cornubovis* Michelin 1840
 93, pl. 7, fig. 6, 6A (Carb., Ayrshire)
- Cystiphyllum americanum* Edwards & Haime 1851
 71, 36-7, pl. 6, fig. 8.
 pl. 6, fig. 8 AUGD 638a (Dev., Port Colborne)
- Cystiphyllum cylindricum* Lonsdale 1839
 174, 299, fig. 180.
 fig. 180A AUGD slide 01548 (Sil., Ironbridge)
 B AUGD slide 01549 (Sil., Ironbridge)
- Cystiphyllum fruticosum* Nicholson 1875
 75, 32, pl. 1, fig. 3, 3a. (Dev., Ontario)
 80, 73, pl. 1, fig. 3 (= 75, pl. 1, fig. 3).
- Nicholson material: CANADA, Western Ontario
 (RSM 1875.1.22; BMNH 56469, 56476; AUGD 612).
 Port Colborne, Ontario (AUGD 348 (2)).
- Cystiphyllum grande* Billings 1858
 71, 26. (Dev., Ontario)
- Cystiphyllum ohioense* Nicholson 1875
 75, 31, pl. 1, fig. 2.
 pl. 1, fig. 2 AUGD 787a (Dev., Columbus)
 2A AUGD 787a (Dev., Columbus)
 80, pl. 1, fig. 2 (= 75, pl. 1, fig. 2).
 83, pl. 17, fig. 10.
 pl. 17, fig. 10 AUGD 787b (Dev., Columbus)
 85, 234-5, pl. 23, fig. 4 (= 75, pl. 1, fig. 2).
 Nicholson material: USA, Columbus, Ohio (RSM 1875.1.21
 (9); AUGD 747 (47), 787 (68), 10747 (2)).
- Cystiphyllum senecaense* Billings 1859
 71, 35-6, pl. 6, fig. 6.
 pl. 6, fig. 6 AUGD 557a (Dev., Ontario)
- Cystiphyllum squamosum* Nicholson 1875
 75, 31-2, pl. 1, fig. 4.
 pl. 1, fig. 4 AUGD 746a (Dev., Columbus)
 4a AUGD 746a (Dev., Columbus)
 4b AUGD 746b (Dev., Columbus)
 80, pl. 1, fig. 4 (= 75, pl. 1, fig. 4).
 83, pl. 17, fig. 9.
 pl. 17, fig. 9 AUGD 746b (Dev., Columbus)
 Nicholson material: CANADA, Ontario ? (AUGD 560
 (14)); USA, Columbus, Ohio (AUGD 746 (4)).
- Cystiphyllum sulcatum* Billings 1859
 71, 38, pl. 6, fig. 7.
 pl. 6, fig. 7 AUGD 662a (Dev., Ontario)
- Cystiphyllum superbum* Nicholson 1875
 75, 32-3, pl. 1, fig. 1 (Dev., Arkona)
 80, 73-4, pl. 1, fig. 1 (= 75, pl. 1, fig. 1).
 Note: I have found no Nicholson material of this
 species.
- Cystiphyllum vesiculosum* (Goldfuss 1829)
 71, 37-8, fig. 8.
 fig. 8 AUGD 731a (Dev., Arkona)
 85, 233-4. (Dev., Ohio)
 179, fig. 80 (= 71, fig. 8).
 174, 229-300, fig. 181 (= 71, fig. 8).
- Dibunophyllum* sp. Thomson & Nicholson 1876
 97, 457-9, pl. 24, fig. 4; pl. 25, figs. 1, 2, 6, 7.
 pl. 24, fig. 4, 4A KM.T 1034 (Carb., Langside)
 pl. 25, fig. 1 KM.T 1033a, b. (Carb., Langside)
 6A KM.T 1036 (L. Carb.)
 7 KM.T 365a, b (L. Carb.)
 Note: pl. 24, fig. 4: 'calical part of specimen is KM.T
 1034': Hill 1938: 73.
- Dibunophyllum m'chesneyi* Thomson & Nicholson 1876
 97, pl. 25, fig. 3.
 pl. 25, fig. 3-3B KM.T 1018a-b; slide DI.K40
 (Carb., Brockley)
- 104, 130-1, pl. 2, fig. 4.
 pl. 2, fig. 4-4B KM.T 1018a-b; slide DI.K40
 (Carb., Brockley)
 Nicholson material: SCOTLAND, Brockley, Lesmahagow,

- Lanark (KM.T 1018a, b; DI.K 40).
LECTOTYPE: KM.T 1018a, b: Hill 1938: 72.
- Dibunophyllum muirheadi* Thomson & Nicholson 1876
97, pl. 24, fig. 3, pl. 25, figs. 4, 5.
pl. 24, fig. 3, 3A KM.T 563 (calice) (Carb., Gateside)
pl. 25, fig. 4, 4A KM.T 1032a-c (Carb., Gateside)
5 KM.T 1035a-b (L. Carboniferous)
104, 129-30, pl. 2, figs. 2, 3.
pl. 2, fig. 3, 3A KM.T 1032a-c (Carb., Gateside)
Nicholson material: SCOTLAND, Gateside, Ayrshire
(KM.T 563, 1032a-c, 1035a, b); ENGLAND, Frosterley,
Weardale, Durham (AUGD 245), Harlow Hill,
Northumberland (AUGD slides 01550-1, 01629).
LECTOTYPE: KM.T 1032a-c: Hill 1938: 72.
- Dibunophyllum splendens* Thomson & Nicholson 1876
104, 131, pl. 2, fig. 1.
pl. 2, fig. 1 KM.T 1033a, b (Carb., Gateside)
Nicholson material: SCOTLAND, Gateside, Ayrshire
(KM.T 1033a, b).
Note: pl. 2, fig. 1 = 97, pl. 25, fig. 1 (*Dibunophyllum* sp.)
LECTOTYPE: KM.T 1033a, b: Hill 1938: 72.
- Diphyphyllum archiaci* Billings 1860 (see *Crepidophyllum archiaci*)
- Diphyphyllum arundinaceum* Billings 1859
71, 32-3, pl. 6, fig. 1.
pl. 6, fig. 1 AUGD 10661a (Dev., Wainfleet/Walpole)
- Diphyphyllum concinnum* Lonsdale 1845
94, pl. 8, fig. 1, 1A.
pl. 8, fig. 1A KM.T 2001 (Carb., Bathgate)
Note: specimen figured in pl. 8, fig. 1 apparently lost;
Hill 1940: 175.
- Diphyphyllum gracile* M'Coy 1851
71, 33-4, pl. 5, fig. 5.
pl. 5, fig. 5 AUGD 10660a (Dev., Ridgeway)
- Diphyphyllum stramineum* Billings 1859
71, 33, pl. 5, fig. 6.
pl. 5, fig. 6 AUGD 10662a (Dev., Wainfleet)
- Duncanella borealis* Nicholson 1874
70, 333-5, figs. a-e
fig. b RSM slide 1968.15.40 (Sil., Indiana)
c AUGD slide 01554 (Sil., Indiana)
174, 267, fig. 142-D.
fig. 142C AUGD slide 01554 (Sil., North America)
D RSM slide 1968.15.40 (Sil., North America)
Nicholson material: USA, Indiana (AUGD slides 01554-8),
Waldron, Indiana (RSM slide 1968.15.40).
Note: AUGD 310 and 446 from the type locality are
missing; UC 1964, listed in a catalogue of the U.P.
James collection at the Field Museum as 'type', is also
apparently lost.
- Endoephyllum oehlerti* Nicholson 1881
134, 14-17, fig. 1.
fig. 1A RSM slide 1968.15.164 (Dev., Montjean)
B RSM slide 1968.15.165 (Dev., Montjean)
Nicholson material: FRANCE, Montjean, Gallois
(RSM slides 1968.15.164-165; AUGD 672).
- Eridophyllum simcoense* Billings 1859
71, 34-5, fig. 7c, pl. 6, fig. 5.
fig. 7c AUGD 638a (Dev., ?Port Colborne)
pl. 6, fig. 5 AUGD 638a (Dev., ?Port Colborne)
85, 228. (Dev., Ohio)
- Eridophyllum strictum* Edwards & Haime 1851
80, 74 (Dev., Ontario). 85, 238-9 (Dev., Ohio).
- Eridophyllum verneuillanum* Edwards & Haime 1851
71, 35, fig. 7a, b.
fig. 7a AUGD 729 ? (Dev., Ontario)
b AUGD 729 ? (Dev., Ontario)
- Favistella (Columnaria) calicina* Nicholson 1875 (see
Columnaria calicina)
- Favistella stellata* Hall 1847 (? = *Columnaria alveolata*)
80, 22-4 (Ord., Ontario). 84, 279; 89. 85, 185-6
(Ord., Ohio).
- Heliophyllum canadense* Billings 1859
71, 25, pl. 5, fig. 1.
pl. 5, fig. 1 AUGD 681a (Dev., Port Colborne)
- Heliophyllum cayugaense* (Billings 1859)
71, 26, pl. 5, fig. 2.
pl. 5, fig. 2 AUGD 635a ? (Dev., Port Colborne)
- Heliophyllum colbornense* Nicholson 1873
57, 143 (Dev., Ontario)
71, 25-6, pl. 5, fig. 4.
pl. 5, fig. 4 AUGD 646a ? (Dev., Port Colborne)
Nicholson material: CANADA, Port Colborne, Ontario
(AUGD 646 (6)).
- Heliophyllum colligatum* Billings 1859
71, 28, pl. 5, fig. 3.
pl. 5, fig. 3 AUGD 654a ? (Dev., Walpole)
3a AUGD 654a ? (Dev., Walpole)
- Heliophyllum elegantulum* Nicholson & Thomson 1876
105, 150 (= *H. subcaespitosum* Nicholson 1874 (partim)).
116, 54.
174, 289-90, fig. 168A, B.
fig. 168B AUGD 566 ? (Dev., North America)
Nicholson material: North America (AUGD 566 (20));
CANADA, Arkona, Ontario (RSM slide 1968.15.108).
- Heliophyllum eriense* Billings 1859
71, 28. (Dev., Ontario)
- Heliophyllum exiguum* Billings 1860
71, 29, fig. 6.
fig. 6a, b AUGD 786a ? (Dev., Ontario)
179, fig. 82 (= 71, fig. 6).
- Heliophyllum halli* Edwards & Haime 1850
71, 26-7, fig. 4.
fig. 4 AUGD 665 (Dev., Arkona)
83, pl. 17, figs. 1-6.
pl. 17, fig. 4 AUGD 583a (Dev., ?North America)
116, 45-8, figs. A, B.
fig. A AUGD slide 01562 (Dev., ?North America)
174, 290, fig. 169 (= 71, fig. 4).
- Heliophyllum proliferum* Nicholson 1874
62, 59-60 (Dev., Ontario). 71, 27-8 (Dev., Ontario).

Notes: I have found no Nicholson material of this species.

Heliophyllum subcaespitosum Nicholson 1874

- 62, 58-9, pl. 4, fig. 9. (Dev., Arkona)
71, 27, fig. 5 (= 62, pl. 4, fig. 9).
83, pl. 17, figs. 7, 8. (Dev., North America)
105, 149-50: subdivided into 1) *Crepidophyllum* n. gen. (q.v.)
2) *H. elegantulum* n. sp. (q.v.)

Nicholson material: CANADA, Western Ontario (RSM 1875.1.12 (4)), Arkona, Ontario (RSM slides 1968.15.138-144; AUGD 700 (18), 732 (37)); USA, Canandaigua, New York (RSM slides 1968.15.135-7; AUGD 728).

Koninckophyllum interruptum Thomson & Nicholson 1876

- 95, pl. 12, fig. 3. (Carb., Brockley)
104, 121-2, pl. 1, fig. 3 (= 95, pl. 12, fig. 3).
Note: figured specimen apparently lost, Hill 1939: 93. I have not found any Nicholson material of this species.

Koninckophyllum lindstroemi Thomson & Nicholson 1876

- 95, pl. 12, fig. 4.
pl. 12, fig. 4 HM C4439 (Carb., Brockley)
104, 122, pl. 1, fig. 4 (= 95, pl. 12, fig. 4).
Nicholson material: SCOTLAND, Brockley, Lesmahagow, Lanark (HM C4439: a specimen stuck on a slide as if ready for grinding).
LECTOTYPE: HM C4439: Hill 1939: 90.

Koninckophyllum magnificum Thomson & Nicholson 1876

- 94, pl. 8, fig. 8-8B (Carb., ?Ayrshire)
95, pl. 12, fig. 2.
pl. 12, fig. 2 KM.T 1037 (Carb., Charleston)
2A KM.T 1037 (Carb., Charleston)
104, 121, pl. 1, fig. 2 (= 95, pl. 12, fig. 2).
Nicholson material: SCOTLAND, Charleston, Fife (KM.T 1037; AUGD 253-9, 260 (2), 261-2, 390 (4), 421 (5), 422 (7), 423, 8003 (86)).
LECTOTYPE: KM.T 1037: Hill 1939: 89.

Koninckophyllum proliferum Thomson & Nicholson 1876

- 95, pl. 12, fig. 1.
pl. 12, fig. 1 HM C4630 (Carb., Bathgate)
104, 124, pl. 1, fig. 1 (= 95, pl. 12, fig. 1).
Nicholson material: SCOTLAND, Bathgate, West Lothian (HM C4630).
LECTOTYPE: HM C4630: Hill 1940: 174.

Koninckophyllum radiatum Thomson & Nicholson 1876

- 95, pl. 12, fig. 5.
pl. 12, fig. 5 slide from HM C4440 (Carb., Charleston)
104, 123, pl. 1, fig. 5 (= 95, pl. 12, fig. 5).
Nicholson material: SCOTLAND, Charleston, Fife (HM C 4440).
LECTOTYPE; HM C4440: Hill 1939: 90.

Koninckophyllum retiforme Thomson & Nicholson 1876

- 95, pl. 12, fig. 6, 6A (Carb., Brockley)
104, pl. 1, fig. 6 (= 95, pl. 12, fig. 6).
Note: figured specimen apparently lost, Hill 1939: 90. I have seen no Nicholson material of this species.

Lindstroemia columnaris Nicholson & Thomson 1876

- 105, 150. (Dev., North America)

123, 84, fig. 4b, b'.
fig. 4b RSM slide 1968.15.43

(Dev., North America)

Nicholson material: USA, Erie (RSM slides 1968.15.41-43).

Note: This species was not described in 1876 or 1878. But, as Lang *et al* (1940: 77) state, '*Lindstroemia columnaris* is not a *nomen nudum* since the diagnosis of the genus covers the species also'.

Lindstroemia (Cyathaxonia) dalmani Edwards & Haime

- 123, 84, fig. 4a
fig. 4a RSM slide 1968.15.45 (Sil., Gotland)
a' RSM slide 1968.15.43 (Sil., Gotland)

Lindstroemia laevis Nicholson & Etheridge 1878

- 123, 90-2, pl. 6, fig. 4.
pl. 6, fig. 4 BMNH R27120 (Sil., Penkill)
4a BMNH R27121 (Sil., Penkill)
4b RSM slide 1968.15.46 (Sil., Penkill)
4c BMNH slide R27250 (Sil., Penkill)
4d RSM slide 1968.15.47 (Sil., Penkill)
4e RSM slide 1968.15.47 (Sil., Penkill)

Nicholson material: SCOTLAND, Penkill, Ayrshire (RSM slides 1968.15.46-47; BMNH R27120-1, R27250, R211318-9, slides R27104, R27106, R27109, R27113 (Gray Coll.); AUGD 504 (7)).

Lindstroemia (Petraia) subduplicata M'Coy 1850

- 123, 86-90, fig. 4c, pl. 6, fig. 2.
fig. 4c RSM slide 1968.15.55 (Ord., ?Girvan)
c' RSM slide 1968.15.54 (Ord., ?Girvan)
pl. 6, fig. 2 BMNH R27210 (Ord., ?Girvan)
2a BMNH R27211 (Ord., ?Girvan)
2b RSM slide 1968.15.51 (Ord., ?Girvan)
2c RSM slide 1968.15.52 (Ord., ?Girvan)
2d RSM slide 1968.15.53 (Ord., ?Girvan)
2e BMNH R27212 (Ord., ?Girvan)
2f BMNH R27228 (Ord., ?Girvan)
(var. *crenulata*)

Lithostrotion basaltiforme Conybeare & Phillips 1822

- 95, pl. 14, fig. 1.
pl. 14, fig. 1 KM.T 1099 (Carb., Arbigland)

Lithostrotion flemingii (M'Coy 1849)

- 95, pl. 14, fig. 4. (Carb., Arbigland)

Lithostrotion irregulare (Phillips 1836)

- 95, pl. 15, fig. 3.
pl. 15, fig. 3 KM.T 2004 (Carb., Boghead)

Lithostrotion junceum (Fleming 1828)

- 95, pl. 15, fig. 4.
pl. 15, fig. 4-4B DI.K.47 and 48 (Carb., Brockley)
Note: Figured specimens lost according to Hill 1940: 171; refound by M.J. Bishop (pers. comm. 6/5/1977).

Lithostrotion m'coyanum Edwards & Haime 1851.

- 95, pl. 14, fig. 3.
pl. 14, fig. 3 cf. HM C4628? (Carb., Penrith)
Note: figured specimen lost according to Hill 1940: 178.

Lithostrotion martini Edwards & Haime 1850

- 95, pl. 15, fig. 2.
pl. 15, fig. 2 KM.T 2007 (Carb., Arbigland)
174, 287, fig. 166A, B.
fig. 166B AUGD slide 01573 (Carb., Penruddock)

- Lithostrotion phillipsi* Edwards & Haime 1852
95, pl. 15, fig. 1.
 pl. 15, fig. 1 KM.T 2008 (Carb., Arbigland)
 1A DI.K46 (Carb., Arbigland)
- Lithostrotion portlocki* (Brown 1848)
95, pl. 14, fig. 2-2B. (Carb., Dunbar)
 Note: figured specimen lost according to Hill 1940:
 180.
- Lonsdaleia duplicata* (Martin 1809)
95, pl. 16, fig. 2, 2A (Carb., nr. Muirkirk)
174, 293, fig. 171A (= **95**, pl. 16, fig. 2A).
 Note: figured specimens lost according to Hill 1940:
 153.
- Lonsdaleia floriformis* (Martin 1809)
95, pl. 16, fig. 3, 3A (Carb., Bathgate)
 Note: figured specimens lost according to Hill 1940:
 155.
- Lonsdaleia rugosa* M'Coy 1849
95, pl. 16, fig. 1; pl. 17, fig. 1-1C.
 pl. 16, fig. 1, 1A DI.K72 (Carb., Boghead)
 pl. 17, fig. 1 DI.K160 (Carb., Boghead)
 Note: the specimen figured in pl. 16, fig. 1, 1A is
 DI.K72 and not DI.K62 as stated by Hill 1940: 154
 (M.J. Bishop, pers. comm. 6/5/1977).
- Lophophyllum* sp. Edwards & Haime 1850
94, 126-8, pl. 8, fig. 6, 6A. (Carb., Shiels)
104, 124-7, pl. 2, fig. 6, 6A. (Carb., Charleston)
 Note: figured specimens lost according to Hill 1940:
 133-4.
- Lophophyllum eruca* M'Coy 1851
94, pl. 8, fig. 7, 7a. (Carb., Brockley)
174, 295, fig. 174A-C.
 fig. 174A AUGD 8100 ? (Scotland)
 Note: specimens figured in **94**, lost according to
 Hill 1940: 133-4.
- Lophophyllum parvulum* Thomson & Nicholson 1876
94, pl. 8, figs. 3, 4. (Carb., Fife, Ayrshire)
104, 125-6, pl. 2, fig. 5, 5A (Carb., Shiels)
 Nicholson material: SCOTLAND, Charleston, Fife
 (RSM slide 1968.15.62).
 Note: figured specimens lost according to Hill 1940:
 133-4.
- Lophophyllum reticulatum* Thomson & Nicholson 1876
94, pl. 8, fig. 5, 5A. (Carb., Shiels)
104, 126, pl. 2, fig. 7 (= **94**, pl. 8, fig. 5).
 Note: figured specimens lost according to Hill 1940:
 133-4.
- Lophophyllum scoticum* Nicholson & Thomson 1876
104, 126-7, pl. 2, fig. 8, 8A (Carb., Brockley)
 Note: figured specimens lost according to Hill 1940:
 133-4.
- Microcycclus discus* Meek & Worthen 1868
71, 38-9, fig. 9.
 fig. 9a, b AUGD 578 ? (Dev., Arkona)
174, 296, fig. 176.
 fig. 176A AUGD 578 ? (Dev., North America)
 B AUGD 578 ? (Dev., North America)
- Omphyma subturbinata* D'Orbigny 1850
174, 282, fig. 159.
 fig. 159A AUGD slide 01582 (Sil., Britain)
 B AUGD slide 01583 (Sil., Britain)
- Palaeocycclus porpita* (Linné 1767)
174, 281, 196-7, fig. 158, 177A-C (Sil., Gotland)
- Palaeophyllum divaricans* Nicholson 1875
85, 220-1, pl. 22, fig. 10.
 pl. 22, fig. 10-10b UC 413 (Ord., Cincinnati)
 Nicholson material: USA, Cincinnati, Ohio (UC 413)
 (U.P. James Coll.).
 HOLOTYPE: UC 413 (Windle *et al.*, 1973: 66)
- Petraia* (?) *logani* Nicholson 1873
57, 143-5. (Dev., Ontario)
71, 30-1, pl. 3, fig. 3.
 pl. 3, fig. 3 AUGD 10170a (Dev., Ontario)
 3a AUGD 10170a (Dev., Ontario)
 3b AUGD 10170b (Dev., Ontario)
 3c AUGD 10170c (Dev., Ontario)
 3e AUGD 10170e ? (Dev., Ontario)
 3f AUGD 10170f (Dev., Ontario)
 Nicholson material: CANADA, Ontario (AUGD 10170
 (24)).
- Phillipsastraea gigas* Billings 1859
80, 77-8 (Dev., Ontario). **85**, 241-2 (Dev., Ohio).
- Phillipsastraea verneuili* Edwards & Haime 1851
80, 78. (Dev., Ontario)
- Rhodophyllum* sp. Thomson 1875
100, 68-72, fig. C, pl. 2, figs. 2, 3, pl. 3, figs. 1-7 (inter-
 mediates between *Rhodophyllum* and
Aspidophyllum).
 pl. 2, fig. 2 KM.T 633a-c (Carb., Brockley)
 3, 3a KM.T 1025a-d (Carb., Langside)
 pl. 3, fig. 1, 1a KM.T 1038a-c
 (Carb., Thirdpart/Langside)
 3, 3a KM.T 1039a, b
 (Carb., Thirdpart/Langside)
 4 KM.T 1040a, b
 (Carb., Thirdpart/Langside)
 5, 5a KM.T 1041a-c
 (Carb., Thirdpart/Langside)
 6 KM.T 1042 (Carb., Thirdpart/Langside)
 7 KM.T 255a-d
 (Carb., Thirdpart/Langside)
- Rhodophyllum craigianum* Thomson 1874
100, pl. 1, fig. 3.
 pl. 1, fig. 3, 3a KM.T 1020a-c (Carb., Trearne)
- Rhodophyllum phillipsianum* Thomson 1874
100, pl. 1, fig. 2, pl. 2, fig. 1.
 pl. 1, fig. 2 KM.T 1023a, b (Carb., Trearne)
 pl. 2, fig. 1, 1A KM.T 1024a-f (Carb., Langside)
- Rhodophyllum simplex* Thomson 1874
100, pl. 1, fig. 4.
 pl. 1, fig. 4, 4a KM.T 1022 (Carb., Brockley)
- Rhodophyllum slimonianum* Thomson 1874
100, pl. 1, fig. 1.
 pl. 1, fig. 1 KM.T 1021a, b (Carb., Brockley)

- Stauria astraformis* Edwards & Haime
174, 273, fig. 152.
fig. 152 AUGD slide 01600 (Sil., Gotland)
- Streptelasma* (?) *aequisulcatum* M'Coy 1850
123, 79-80, pl. 6, fig. 3.
pl. 6, fig. 3 BMNH slide R27014 (Sil., Mulloch Hill)
- Streptelasma* (*Palaeophyllum*) *aggregatum* Nicholson & Etheridge 1878
123, 71-3, pl. 5, fig. 3.
pl. 5, fig. 3 RSM slide 1968.15.68
(Ord., Craighead)
3a BMNH R27016 (Ord., Craighead)
3b RSM slide 1968.15.68
(Ord., Craighead)
3c RSM slide 1968.15.69
(Ord., Craighead)
Nicholson material: SCOTLAND, Balclatchie, Ayrshire (BMNH R35125-6(5)), Craighead, Ayrshire (RSM slides 1968.15.68-73; BMNH R466(2), R27016, R27018-9; AUGD 10681).
- Streptelasma corniculum* Hall 1847
80, 26-7 (Ord., Ontario). 85, 218-9 (Ord., Ohio).
103, 94, pl. 5, fig. 15.
pl. 5, fig. 15 RSM slide 1968.15.77 ? (Ord., Ohio)
15a RSM slide 1968.15.79 ?? (Ord., Ohio)
174, 247, 278-9, 297-8, fig. 127B, 156, 178.
fig. 127B RSM, slide 1968.15.77 ?
(Ord., North America)
156A, B AUGD 433a
(Ord., North America)
178A AUGD slide 01602
(Ord., North America)
B RSM slide 1968.15.76
(Ord., North America)
- Streptelasma craigense* M'Coy 1850
123, 74-6, pl. 5, fig. 4.
pl. 5, fig. 4 BMNH R27045 (Ord., Craighead)
4a RSM slide 1968.15.81
(Ord., Craighead)
4b RSM slide 1968.15.82
(Ord., Craighead)
4c BMNH R27046 (Ord., Craighead)
- Streptelasma europaeum* F. Roemer 1861
123, 76-8, pl. 6, fig. 1.
pl. 6, fig. 1 BMNH R27073 (Ord., Craighead)
1a BMNH R27074 (Ord., Craighead)
1b RSM slide 1968.15.85
(Ord., Craighead)
- Thysanophyllum minus* Nicholson & Thomson 1876 (nom. nud.)
105, 150 (not described - see Thomson 1880).
Note: I have seen no Nicholson material of this species.
- Thysanophyllum orientale* Nicholson & Thomson 1876 (nom. nud.)
105, 150 (not described - see Thomson 1880).
LECTOTYPE (Thomson 1880): KM.T 1095: Hill 1940: 162.
- Zaphrentis cornicula* (Lesueur 1821)
80, 75-6, fig. 42 (Dev., Arkona)
179, fig. 81 (= 80, fig. 42)
- 174, fig. 173 (= 80, fig. 42).
- Zaphrentis edwardsi* Nicholson 1875
85, 235, pl. 23, figs. 6, 6a (Dev., Columbus)
Note: I have found no Nicholson material of this species.
- Zaphrentis enniskilleni* Edwards & Haime 1851
92, pl. 12, fig. 5-5D.
pl. 12, fig. 5A KM.T 1007 (Carb., ?Scotland)
5B KM.T 2105 (Carb., ?Scotland)
174, 247, 262, 294, figs. 127C, 139, 172.
fig. 127C cf. RSM slide 1968.15.103
(Carboniferous)
172A AUGD slide 01621 (Carboniferous)
B AUGD slide 01622 (Carboniferous)
C AUGD slide 01622 (Carboniferous)
D AUGD slide 01623 (Carboniferous)
Note: specimens figured 92, pl. 12, figs. 5, 5C, 5D lost according to Hill 1940: 142.
- Zaphrentis fenestrata* Nicholson 1873
57, 138-9.
71, 22-3, pl. 4, fig. 1. (Dev., Port Colborne)
Note: I have found no Nicholson material of this species.
- Zaphrentis gigantea* Lesueur 1821
71, 22, pl. 3, fig. 1.
pl. 3, fig. 1 AUGD 308 (Dev., Port Colborne)
1a AUGD 240 (Dev., Port Colborne)
- Zaphrentis guerangeri* Edwards & Haime
92, pl. 12, fig. 7.
pl. 12, fig. 7, 7A KM.T 2100a-c (Carb., ?Scotland)
- Zaphrentis multilamellata* Nicholson 1875
85, 236-7. (Dev., Ohio)
Nicholson material: USA, Falls of the Ohio, Indiana (AUGD 768 (2)).
- Zaphrentis patula* Michelin
92, pl. 12, fig. 6.
pl. 12, fig. 6-6C KM.T 1093a, b (Carb., ?Scotland)
Note: parts of the figured specimen only according to Hill 1940: 142.
- Zaphrentis prolifica* Billings 1859
71, 23-4, pl. 3, fig. 2.
pl. 3, fig. 2 AUGD 314a (Dev., Port Colborne)
3 AUGD 314a (Dev., Port Colborne)
85, 237-8. (Dev., Ohio)
- Zaphrentis spatiosa* Billings 1858
71, 24. (Dev., Ontario)
- Zaphrentis wortheni* Nicholson 1875
85, 235-6, pl. 23, fig. 5.
pl. 23, fig. 5, 5a AUGD 773 ? (Dev., Columbus)
Nicholson material: USA, Columbus, Ohio (AUGD 773 (2), 10746 (2)).

**COELENTERATA: ANTHOZOA: ZOANTHARIA:
HETEROCORALLIA**

- Heterophyllia angulata* Duncan 1887
174, 271, fig. 148.
fig. 148A AUGD 8759 ? (Carb., Northumberland)
B AUGD slide 01648
(Carb., Northumberland)

C AUGD slide 01651
(Carb., Northumberland)

**COELENTERATA: ANTHOZOA: ZOANTHARIA:
SCLERACTINIA**

Caryophyllia borealis (Fleming 1828)
174, 246, fig. 127A (?Recent)

Pocillopora aspera var. *lata* Verrill
127, 14-16, fig. 3 (copy)
fig. 3D cf. AUGD slide 01707 (Recent)

Porites clavaria Lamarck 1816
139, fig. 2.
fig. 2 AUGD slide 01711 (Recent)

Stylophora palmata (De Blainville 1830)
174, 244-5, fig. 125A
fig. 125A AUGD slide 01714 (Recent)

**COELENTERATA: ANTHOZOA: ZOANTHARIA:
TABULATA**

Alveolites sp. ind.
128, 222. (Dev., Queensland)

Alveolites battersbyi Edwards & Haime 1851
111, 360.
158, 436-8, fig. 4 ('*Caliopora battersbyi*').
fig. 4A AUGD slide 01908? (Dev., Dartington)
B AUGD slide 01909 (Dev., Dartington)

Alveolites billingsi Nicholson 1874
62, 55-6, pl. 4, fig. 6c.
fig. 6c RSM 1875.1.41? or AUGD 1282?
(Dev., Port Colborne)
71, 55-6, fig. 14c (= 62, pl. 4, fig. 6c), pl. 7, fig. 1.
pl. 7, fig. 1 RSM 1875.1.41 (Dev., Port Colborne)
Nicholson material: CANADA, Western Ontario (RSM
1875.1.41, 1879.58.9), Port Colborne, Ontario (AUGD
1282). Weston, Ontario (BMNH 56689).

Alveolites compressa Edwards & Haime 1853
111, 359-60.

Alveolites conferta Nicholson 1874
62, 54-5, pl. 4, fig. 5c.
pl. 4, fig. 5c AUGD 1498a (Dev., Port Colborne)
71, 54, fig. 12c (= 62, pl. 4, fig. 5c).
Nicholson material: CANADA, Port Colborne, Ontario
(AUGD 1498 (3)).

Alveolites cryptodens Billings 1859
62, 55, pl. 4, fig. 5a.
pl. 4, fig. 5a AUGD 1506?
(Dev., Port Colborne/Ridgeway)
71, 54, fig. 12a (= 62, pl. 4, fig. 5a).

Alveolites depressa Fleming 1828
111, 365-7 (= *Chaetetes*).

Alveolites (*Coenites*?) *distans* Nicholson 1874
62, 54, fig. 4.
fig. 4 AUGD 1369 (Dev., Port Colborne)
71, 55, fig. 13 (= 62, fig. 4).
Nicholson material: CANADA, Port Colborne, Ontario
(AUGD 1369).

Alveolites fischeri (Billings 1860)
67, 151-2 (Dev., Ontario). 71, 57 (Dev., Ontario).
80, 56 (Dev., Ontario).
111, 362, pl. 20, figs. 18-20 ('*Pachypora fischeri*').
pl. 20, fig. 18 AUGD 1097a (Dev., Arkona)
19 RSM slide 1967.66.211 (Dev., Arkona)
20 RSM slide 1967.66.213? (Dev., Arkona)
127, 91-4, fig. 16A-G.
fig. 16A AUGD 1097b (Dev., Arkona)
B AUGD 1097a? (Dev., Arkona)
C AUGD 1097c? (Dev., Arkona)
E RSM slide 1967.66.212 (Dev., Arkona)
F RSM slide 1967.66.212? (Dev., Arkona)

Alveolites frondosa Nicholson 1874
61, 15, pl. 2, fig. 2.
pl. 2, fig. 2 RSM 1875.1.42 (Dev., Arkona)
71, 57-8, fig. 16 (= 61, pl. 2, fig. 2).
111, 362, pl. 20, figs. 21-22.
pl. 20, fig. 21 RSM slide 1967.66.216 (Dev., Arkona)
22 RSM slide 1967.66.215? (Dev., Arkona)
127, 94-7, fig. 17 ('*Pachypora fischeri*').
fig. 17A (= 61, pl. 2, fig. 2). (Dev., Arkona)
C cf. BMNH slide R511 (1) (Dev., Arkona)
Nicholson material: CANADA, Western Ontario (RSM
1875.1.42), Arkona, Ontario (RSM slide 1967.66.215-
216; BMNH R453 (4), slide R511 (1,2); AUGD 1294
(19), 1507 (28), 1514 (5)), Bosanquet, Ontario (BMNH
56384 (12)).

Alveolites goldfussi Billings 1860
71, 56-7 (Dev., Ontario). 111, 368-9 (general).

Alveolites grayi Edwards & Haime 1851
111, 359. (Sil.)

Alveolites labechei Edwards & Haime 1851
111, 359 (general). 123 38 (Girvan).
127, 128-30, pl. 6, fig. 3.
pl. 6, fig. 3 AUGD slide 01918?
(Sil., Benthall Edge)
3a AUGD slide 01918?
(Sil., Benthall Edge)
154, fig. 1B, B'.
fig. 1B' AUGD slide 01915 (Sil., Ironbridge)
174, fig. 194B, B' (= 154, fig. 1B).
158, 436-8, fig. 5 ('*Caliopora labechei*').
fig. 5A AUGD slide 02159 (Sil., Much Wenlock)
B AUGD slide 02160 (Sil., Much Wenlock)

Alveolites labiosa Billings 1859
62, 55, pl. 4, fig. 5b (Dev., Ontario)
71, 53, fig. 12b (= 62, pl. 4, fig. 5b)

Alveolites niagarensis Nicholson & Hinde 1874
67, 152, fig. 3A-C. (Sil., Rockwood)
80, 56, fig. 27 (= 67, fig. 3).
Note: I have found no Nicholson material of this species.

Alveolites ramulosa Nicholson 1874
62, 55, pl. 4, fig. 6.

- pl. 4, fig. 6 AUGD 1183a (Dev., Port Colborne)
6a AUGD 1183a (Dev., Port Colborne)
71, 55, fig. 14 (= 62, pl. 4, fig. 6), pl. 7, fig. 3.
pl. 7, fig. 3 AUGD 1183a (Dev., Port Colborne)
Nicholson material: CANADA, Western Ontario (RSM 1875.1.46), Port Colborne, Ontario (AUGD 1183 (3)).
- Alveolites roemeri* Billings 1860
71, 54 (Dev., Ontario)
- Alveolites selwynii* Nicholson 1874
61, 15-16, fig. 3. (Dev., Port Colborne)
71, 56, fig. 15 (= 61, fig. 15).
Note: I have found no Nicholson material of this species.
- Alveolites septosa* Fleming 1828
111, 362-7 (= *Chaetetes septosa* q.v.)
- Alveolites suborbicularis* Lamarck 1801
111, 357-61 (designated type species of *Alveolites*).
127, 126-8 fig. 20 (copy), pl. 6, fig. 2.
pl. 6, fig. 2 AUGD 965 ? (Dev., Eifel)
2a RSM slide 1967.66.229 ? (Dev., Eifel)
2b RSM slide 1967.66.229 ? (Dev., Eifel)
- Araeopora australis* Nicholson & Etheridge 1879
127, 165-8, fig. 24.
fig. 24A RSM slide 1967.66.253 (Dev., Queensland)
B RSM slide 1967.66.254 (Dev., Queensland)
128, 277-80, fig. 3 (= 127, fig. 24).
Nicholson material: AUSTRALIA, Queensland (RSM slides 1967.66.253-254; AUGD 1214 (3)).
Note: 'Parts of the type specimen are F25230 in the Australian Museum, Sydney, and 2 slides are F60556 in the University of Queensland collection' (Dorothy Hill, pers. comm. 24/5/1977).
- Aulopora arachnoidea* Hall 1847 (see BRYOZOA)
- Aulopora* (?) *canadensis* (Nicholson 1873) (see *Alecto* (BRYOZOA))
- Aulopora cornuta* Billings 1859
71, 43. (Dev., Ontario)
- Aulopora filiformis* Billings 1859
71, 42, fig. 11.
fig. 11a RSM 1879.58.35 ? (Dev., Arkona)
b RSM 1879.58.35 ? (Dev., Arkona)
- Aulopora repens* Edwards & Haime 1851
126, 291, pl. 7, fig. 1g-h.
pl. 7, fig. 1g, h AUGD 1072 ? (Dev., Eifel)
- Aulopora tubaeformis* Goldfuss 1829
71, 43, pl. 6, fig. 3.
pl. 6, fig. 3 AUGD 1441 ? (Dev., Port Colborne)
127, 20-1, fig. 8A, B (Dev., Eifel)
- Aulopora umbellifera* Billings 1859
71, 43, pl. 6, fig. 4.
pl. 6, fig. 4 AUGD 942 (Dev., Port Colborne)
127, 116-7, fig. 19 ('*Romingeria umbellifera*').
- fig. 19 AUGD 942 ? or RSM 1875.1.30 ?
(Dev., Canada)
- 174, fig. 203 (= 127, fig. 19).
- Caliopora battersbyi* (Edwards & Haime 1851) (see *Alveolites battersbyi*)
- Caliopora labechei* (Edwards & Haime 1851) (see *Alveolites labechei*)
- Cannapora annulata* Nicholson & Hinde 1874
67, 138*-9* (Ord./Sil., Ontario). 80, 58 (Ord./Sil., Ontario).
Nicholson material: CANADA, Manitoulin, Ontario (AUGD 1184).
- Chaetetes* Fischer in Eichwald 1829
Note: Before Nicholson's two monographs (127, 135) many Bryozoa were classified within the Tabulate coral genus *Chaetetes*. Such cases are cross-referenced to the Bryozoa below. Note that certain *Chaetetes* are now classified as order Chaetetida of the Class Sclerospongiae (Porifera)
- Chaetetes* sp. (123: 43-4) (see *Monticulipora (Heterotrypa) girvanensis* (BRYOZOA)).
- Chaetetes approximatus* Nicholson 1874 (see BRYOZOA)
- Chaetetes attritus* Nicholson 1874 (see BRYOZOA)
- Chaetetes barrandi* Nicholson 1874 (see BRYOZOA)
- Chaetetes briareus* Nicholson 1875 (see BRYOZOA)
- Chaetetes* (?) *clathratulus* Nicholson 1874 (see BRYOZOA)
- Chaetetes corticans* Nicholson 1874 (see BRYOZOA)
- Chaetetes dalei* Edwards & Haime 1851 (see BRYOZOA)
- Chaetetes delicatulus* Nicholson 1874 (see BRYOZOA)
- Chaetetes depressus* (Fleming 1828)
111, 365-7.
- Chaetetes discoideus* Nicholson 1874 (see BRYOZOA)
- Chaetetes etheridgii* (Thomson 1881)
174, 341, fig. 222.
fig. 222A RSM slide 1967.66.71
(Carb., Westmorland)
B RSM slide 1967.66.70
(Carb., Westmorland)
- Chaetetes filiasa* (D'Orbigny 1850)
85, 206-7. (Ohio)
- Chaetetes fletcheri* Edwards & Haime 1851 (see BRYOZOA)
- Chaetetes frondosus* (D'Orbigny 1850) (see BRYOZOA)
- Chaetetes gracilis* Nicholson 1874 (see BRYOZOA)

- Chaetetes hyperboreus* Nicholson & Etheridge 1877
 111, 367-8, pls. 19-20 (figs. 11-14).
 pl. 20, fig. 13 RSM slide 1967.66.65
 (Carb., Charleston?)
 14 RSM slide 1967.66.63/BMNH slide
 R476 ? (Carb., Charleston?)
 Nicholson material: SCOTLAND, Charlesto(w)n, Fife
 RSM 1879.58.30 (2), slides 1967.66.63-66; BMNH R476
 (4), R477, R22395-6, R22564, slide R476; AUGD 1320
 (5), 1496 10656 (10), slide 01942); ENGLAND,
 Fourstones Quarry, S. Tyne, Northumberland (AUGD
 10655).
- Chaetetes jamesi* Nicholson 1874 (see BRYOZOA)
- Chaetetes lycoperdon* Say MS., Hall 1847
 67, 140, (Sil., Ontario)
- Chaetetes mammulatus* (D'Orbigny 1850) (see BRYOZOA)
- Chaetetes moniliformis* Nicholson 1874 (see BRYOZOA)
- Chaetetes newberryi* Nicholson 1875 (see BRYOZOA)
- Chaetetes ? nodulosus* Nicholson 1874 (see BRYOZOA)
- Chaetetes ortonii* Nicholson 1874 (see BRYOZOA)
- Chaetetes papillatus* (M'Coy 1850)
 74, 512, pl. 29, fig. 12a, b (Ord., Cincinnati)
 85, 210, (Ord., Ohio)
- Chaetetes petechialis* Nicholson 1875 (see BRYOZOA)
- Chaetetes petropolitanus* (Pander 1830) (see BRYOZOA)
- Chaetetes pulchellus* Edwards & Haime 1851 (see
 BRYOZOA)
- Chaetetes quadrangularis* Nicholson 1874 (see BRYOZOA)
- Chaetetes radians* Fischer 1830
 111, 365-7, pl. 19, figs. 7-10.
 pl. 19, fig. 7 AUGD 10658a (Carb., Hardendale)
 8 AUGD 10658a (Carb., Hardendale)
 9 AUGD slide 01946 ?
 (Carb., Hardendale)
- 127, 266-9, fig. 35D, pl. 12, fig. 4.
 fig. 35D AUGD slide 01946 ? (Carb., Russia)
 pl. 12, fig. 4 RSM slide 1967.66.59 ?
 (Carb., Russia)
 4a RSM slide 1967.66.62 ?
 (Carb., Russia)
 4b AUGD 1156 (Carb., Russia)
 4c, d AUGD slide 01946 ?
 (Carb., Shap)
- 135, fig. 1D (= 127, fig. 35D), 10A, B.
 10A AUGD slide 01946 ? (Carb., Shap)
- Chaetetes ramosus* D'Orbigny 1850 (see BRYOZOA)
- Chaetetes rhombicus* Nicholson 1874 (see BRYOZOA)
- Chaetetes rugosus* Edwards & Haime 1851 (see BRYOZOA)
- Chaetetes septosus* (Fleming 1828)
 112, 362-7, pl. 19, figs. 1-6.
 pl. 19, fig. 1 GSE 7754 (Carb., Dunbar)
 2 GSE 7754 (Carb., Dunbar)
 3 GSE 7754 (Carb., Dunbar)
 4 GSE 6203 (Carb., Ecclefechan)
 5 GSE 6203 (Carb., Ecclefechan)
 6 GSE 6203 (Carb., Ecclefechan)
- 174, fig. 137.
 fig. 137A RSM slide 1967.66.84 (Carboniferous)
 B RSM slide 1967.66.85 (Carboniferous)
- Chaetetes sigillarioides* Nicholson 1875 (see BRYOZOA)
- Chaetetes subpulchellus* Nicholson 1875 (see BRYOZOA)
- Chaetetes tuberculatus* Edwards & Haime 1851 (see BRYOZOA)
- Chaetetes undulatus* Nicholson 1875 (see BRYOZOA)
- Chonostegites clappi* Edwards & Haime 1851
 127, 155-8, pl. 8, fig. 2-2c.
 pl. 8, fig. 2a AUGD 8622 ? (Dev., Walpole)
 2b AUGD slide 01646 ? (Dev., Walpole)
 2c AUGD slide 01647 (Dev., Walpole)
- Cladochonus bacillarius* M'Coy 1849
 126, 293 (Carb., Charleston)
- Cladochonus (Pyrgia) michelini* Edwards & Haime 1851
 126, 292, pl. 7, fig. 1A-C. (Carb., Dunbar)
 127, 20-1, 222-3, fig. 8C, D, 31A-C (= 126, pl. 7, fig. 1).
- Cleistopora geometrica* Edwards & Haime 1851
 155, 150-2, fig. 1.
 fig. 1A AUGD 1469a (Dev., Viré)
 B AUGD 1469a (Dev., Viré)
 C RSM slide 1967.66.251 (Dev., Viré)
 D RSM slide 1967.66.252 (Dev., Viré)
- Coenites juniperinus* Eichwald 1829
 127, 134-5, pl. 6, fig. 5-5b.
 pl. 6, fig. 5a RSM slide 1967.66.230
 (Sil., Stoke-Edith)
 5b RSM slide 1967.66.230
 (Sil., Stoke-Edith)
- Coenites laminata* (Hall 1852)
 67, 151, fig. 2d. (Sil., Rockwood)
 80, 55, fig. 25d (= 67, fig. 2d).
- Coenites linearis* Edwards & Haime 1851
 127, 135-8, pl. 7, fig. 1.
 pl. 7, fig. 1 AUGD 1225 (Sil., Benthall Edge)
 1a RSM slide 1967.66.236 ?
 (Sil., label reads Dudley)
 1b RSM slide 1967.66.236 ?
 (Sil., label reads Dudley)
 1c RSM slide 1967.66.236
 (Sil., label reads Dudley)
 1d RSM slide 1967.66.236 ?
 (Sil., label reads Dudley)
 1e RSM slide 1967.66.233 ?
 (Sil., label reads Stoke
 Edith)
- Coenites lunata* Nicholson & Hinde 1874
 67, 151, fig. 2a-c.
 fig. 2a BMNH R19829 ? (Sil., Owen Sound)

b BMNH R19829 ? (Sil., Owen Sound)
 c BMNH R19829 ? (Sil., Owen Sound)
 80, 55, fig. 25a-c (= 67, fig. 2).
 Nicholson material: CANADA, Jumpers, Ontario
 (BMNH R19846-51), Manitoulin, Ontario (BMNH
 R19830-1, R19855-6), Owen Sound, Ontario (BMNH
 R19829).
 Note: all these specimens are part of the Hinde
 Collection.

Columnopora cribriformis Nicholson 1874

72, 253-4, fig. 1.
 fig. 1a AUGD 8621 ? (Ord., Ontario/Ohio)
 b AUGD 8621 ? (Ord., Ontario/Ohio)
 c AUGD 8621 ? (Ord., Ontario/Ohio)
 80, 25-6 (Ord., Ontario)
 85, 187-8, pl. 22, fig. 8.
 pl. 22, fig. 8 UC 216 (Ord., Ohio)
 8a UC 216 (Ord., Ohio)
 8b UC 216 (Ord., Ohio)
 127, 164-5, pl. 7, fig. 2-2d
 pl. 7, fig. 2 UC 216 (Ord., Ohio)
 2a RSM slide 1967.66.108 ?
 (Ord., Ohio)
 2c RSM slide 1967.66.109 ?
 (Ord., label reads Waynesville, Ohio)

Nicholson material: CANADA, Credit River, Ontario
 (RSM 1967.66.99-101 ('*C. cribrosa*'); AUGD 8606,
 slides 8606A, B); USA, Marion Co., Kentucky (RSM
 1967.66.106-7), Pulaski Co., Kentucky (AUGD 1523
 (3), slides 1523A, B), Ohio (AUGD 8621 (2), 10568-70,
 10576-7, slides 8621A-C, 10568A-B, 10569A-B,
 10570A-B; UC 216 (U.P. James Coll.)), Cincinnati, Ohio
 (RSM slides 1967.66.104-5; BMNH R428, slides R428
 (1, 2)), Waynesville, Ohio (RSM slides 1967.66.102-3
 ('*C. cribrosa*'), 1967.66.108-9; BMNH slides R524 (2)).
 LECTOTYPE: AUGD 8621: Jull 1976: 463.

Note: Jull 1976 ascribes the U.S. specimens to
C. cribriformis, which is synonymous with *Calapoecia*
huronensis Billings 1865. He ascribes the Canadian
 specimens to *Calapoecia unguava* Cox 1936. UC 216 was
 indicated as holotype of *C. cribriformes* (sic) by Windle
 et al (1973: 24), but this was the result of a misunder-
 standing.

Dania huronica Edwards & Haime 1849

127, 327-8. (Sil., Ontario)

Desmidopora alveolaris Nicholson 1886

147, 289-91, pl. 6.
 pl. 6, fig. 1 AUGD 10152b (Sil., Dudley)
 2 AUGD 10152b (Sil., Dudley)
 3 AUGD 10152b (Sil., Dudley)
 4 AUGD slide 10152 (4) (Sil., Dudley)
 5 AUGD slide 10152 (1) (Sil., Dudley)
 6 AUGD slide 10152 (1) (Sil., Dudley)
 7 AUGD slide 10152 (3) (Sil., Dudley)
 8 AUGD slide 10152 (2) (Sil., Dudley)

Nicholson material: ENGLAND, Dudley, Staffordshire
 (AUGD 10152 (3), slides 10152 (1-5), 10152a (1-2), b
 (1-2), c).

Note: Nicholson first mentioned this form under the
 name *Labechia alveolaris* in 143: 60, 85, but never
 described it as a stromatoporoid. Stel and Oekentorp
 (1976, p. 173) confirm that *Desmidopora* is a tabulate
 coral and suggest that it should be maintained as a sub-
 generic division within *Paleofavosites* Twenhofel, 1914.
 However, Powell and Scrutton (1978, p. 312) are not

convinced that *Desmidopora* is a paleofavositid and
 conclusions must await a redescription of the type material
 by Oekentorp and Stel ('Fossil Cnidaria', 6(2):
 9 (Nov. 1977)).

Dictyostroma undulata Nicholson 1875

85, 254-5, pl. 24, fig. 6.
 pl. 24, fig. 6 AUGD 10113 ? (Sil., Louisville)
 6b AUGD 10113 ? (Sil., Louisville)
 6c AUGD slide 10113B ?
 (Sil., Louisville)
 121, 224 (stromatoporoid). 143, 85 (stromatoporoid).
 164, 232 (not a stromatoporoid).
 Nicholson material: USA, Louisville, Kentucky (AUGD
 10113, slides 10113A-C (Nicholson), D-E (Dorothy Hill)).

Favosites sp. Lamarck 1816

134, 21. (Dev., France)
 154, fig. 1A, A'.
 fig. 1A AUGD slide 01953 ? (Dev., Queensland)
 A' AUGD slide 01955 ? (Dev., Queensland)
 174, figs. 135, 194 (= 154, fig. 1).
 fig. 135A AUGD slide 02175 ? (Dev., locality ?)
 B AUGD slide 02176 or RSM slide
 1968.15.189 ? (Dev., locality ?)

Favosites aspera D'Orbigny 1850

85, 225-6. (Sil., Ohio)

Favosites basaltica Goldfuss 1826

58, 43-5 (Dev., Ontario). 71, 46-7 (Dev., Ontario).
 127, 56-7, 62-3 (= *F. forbesi* etc.).

Favosites billingsi Rominger 1862

127, 55-6 (= *F. gothlandica*).

Favosites bowerbanki Edwards & Haime 1851

127, 72-4, pl. 3, fig. 4.
 pl. 3, fig. 4 AUGD slide 01956 ? (Sil., Benthall Edge)
 or
 RSM slide 1967.66.157
 (label reads Stoke Edith)
 4a AUGD slide 01956 ? or
 RSM slide 1967.66.160 (Sil., Benthall Edge)
 4b RSM slide 1967.66.161 ?
 (Sil., Gotland)

Favosites cervicornis Blainville 1830

71, 58. (Dev., Ontario)
 127, 82-7, pl. 4, fig. 3-3d ('*Pachypora cervicornis*').
 pl. 4, fig. 3, 3a AUGD 1063a (Dev., Gerolstein)
 3d RSM slide 1967.66.210 (Dev., Gerolstein)
 134, 22. (Dev., France)

Favosites chapmani Nicholson 1874

71, 52-3, pl. 7, fig. 6.
 pl. 7, fig. 6 AUGD 1202 (Dev., Port Colborne)
 Nicholson material: CANADA, Western Ontario (RSM
 1875:1.37 (2)), Port Colborne, Ontario (BMNH R434;
 AUGD 1202 (8)).

Favosites clausa Rominger 1876

127, 75-6, pl. 4, fig. 1-1c.
 pl. 4, fig. 1b RSM slide 1967.66.176
 (Dev., Arkona)

- 1c RSM slide 1967.66.176
(Dev., Arkona)
- Favosites dubia* Blainville 1830
67, 150 (Sil., Ontario). 80, 54 (Sil., Ontario).
71, 51-2, pl. 7, fig. 5.
pl. 7, fig. 5 AUGD 902a (Dev., Port Colborne)
127, 82, 84 (= *Pachypora (Favosites) cervicornis*).
- Favosites favosa* (Goldfuss 1829)
67, 147 (Sil., Ontario). 80, 52 (Sil., Ontario). 85, 229
(Sil., Ohio).
127, 16-17, 54-5, fig. 4A. (locality?)
- Favosites forbesi* Edwards & Haime 1854
58, 45-7 (Dev., Ontario). 134, 21-2 (Dev., France).
67, 48-9, pl. 7, fig. 8, pl. 8, fig. 4.
pl. 7, fig. 8 RSM 1875.1.32
(Dev., Port Colborne/Wainfleet)
127, 56-7, pl. 1, fig. 7, pl. 2, fig. 1, 1a.
pl. 1, fig. 7 RSM slide 1967.66.121
(Sil., label reads ? Longhope)
pl. 2, fig. 1a RSM slide 1967.66.122
(Sil., label reads Dudley)
- Favosites forbesi* var. *eifelensis* Nicholson 1879
127, 61-2, pl. 2, fig. 3, pl. 3, fig. 1.
pl. 2, fig. 3 RSM slide 1967.66.128 ?
(Dev., Gerolstein)
pl. 3, fig. 1, 1a AUGD 1618 ? (Dev., Gerolstein)
1b RSM slide 1967.66.127 ?
(Dev., Gerolstein)
Nicholson material: GERMANY, Gerolstein, Eifel
(RSM slides 1967.66.127-128; AUGD 1393, 1618 (5)).
- Favosites forbesi* var. *tuberosa* Rominger 1876
127, 62-7, pl. 3, fig. 2-2e.
pl. 3, fig. 2 AUGD 1173a (Dev., Port Colborne)
2a AUGD 1173b ? (Dev., Port Colborne)
2b AUGD 1610 (Dev., Arkona)
2c cf. RSM slide 1967.66.130
(Dev., Arkona)
2d cf. RSM slide 1967.66.131
(Dev., Arkona)
- Favosites forbesi* var. *waldronensis* Nicholson 1879
127, 60-1, 66, pl. 2, fig. 2-2b.
pl. 2, fig. 2 AUGD 1128a ?? (Sil., label reads Dudley)
2b RSM slide 1967.66.126 ?
(Sil., Waldron)
Nicholson material: ENGLAND, Dudley, Staffordshire
(AUGD 1128 (4)); USA, Waldron, Indiana (RSM slides
1967.66.125-6; AUGD 1198 (7)).
- Favosites girvanensis* Nicholson & Etheridge 1878
123, 34-6, pl. 1, fig. 2.
pl. 1, fig. 2 BMNH R26791 (Ord., Girvan)
2a BMNH R26792 (Ord., Girvan)
2b BMNH slide R488 (1) (Ord., Girvan)
2c BMNH slide R26828 (Ord., Girvan)
2d BMNH slide R26829 (Ord., Girvan)
Nicholson material: SCOTLAND, Craighead, Ayrshire
(BMNH R465 (2), R26791-2, slides R488 (1, 2),
R26828-33; AUGD 1003 (102), slides 01967-70),
Girvan, Ayrshire (RSM slide 1967.66.132), Penkill,
Ayrshire (AUGD slide 01971).
- Favosites gothlandica* Lamarck 1816
58, 41-3 (Sil., Ontario). 67, 146-7 (Sil., Ontario).
- 71, 45-6 (Dev., Ontario). 85, 183-4 (Ord., Ohio).
123, 37-8 (Sil., Girvan). 128, 219-21 (Dev.,
Queensland). 134, 21 (Dev., France).
80, 9-10, 51-2, 66, fig. 33 (Sil., Ontario)
179, fig. 84 (= 85, fig. 33).
127, 16-17, 46-56, figs. 4B, 14A-D, pl. 1, figs. 1, 3, 5.
fig. 4B RSM 1875.1.38 ? (locality?)
14A RSM 1875.1.38 ? (Sil., Owen sound
see note below)
C AUGD 1138 (Sil., Gotland)
pl. 1, fig. 1 RSM slide 1967.66.137
(Sil., Gotland)
1a RSM slide 1967.66.138
(Sil., Gotland)
3 AUGD 1474a (Sil., Dudley)
5 RSM 1875.1.38 ?
(Sil., Manitoulin Island see
note below)
174, fig. 195 (= 127, fig. 14).
- Note: RSM 1875.1.38 is labelled Ontario so could
come from Owen Sound (127, fig. 14A) or Manitoulin
Island (127 Pl. 1, fig. 5) but not both.
- Favosites gothlandica* var. *billingsi* Rominger 1876
127, 55-6, pl. 1, fig. 6.
pl. 1, fig. 6 RSM slide 1967.66.145 (Dev., Arkona)
- Favosites gothlandica* var. *favosa* (Goldfuss 1826)
127, pl. 1, figs. 2, 4.
pl. 1, fig. 2 RSM slide 1967.66.139 (Dev., Erie Co.)
4 AUGD 925 (Sil., Manitoulin Island)
- Favosites halliana* Nicholson & Hinde 1874
67, 148-9 (Sil., Ontario) (from *F. multipora* q.v.).
Note: I have found no Nicholson material of this
species.
- Favosites (Emmonsia) hemispherica* Yandell & Shumard
1847
58, 47-8. (Dev., Ontario)
71, 49, pl. 8, fig. 3. (Dev., Ontario)
80, 66, fig. 34 (Dev., Ontario)
179, fig. 85 (= 80, fig. 34).
127, 67-72, fig. 15 (= 80, fig. 34), pl. 3, fig. 3.
pl. 3, fig. 3 RSM slide 1967.66.172
(Dev., Port Colborne)
3a RSM slide 1967.66.170
(Dev., Port Colborne)
3b RSM slide 1967.66.171 ?
(Dev., Port Colborne)
174, fig. 196 (= 80, fig. 34).
- Favosites ? inosculans* Nicholson 1881
134, 20-1, pl. 1, fig. 4.
pl. 1, fig. 4 AUGD slide 01977 (Dev., Chalonnnes)
4a AUGD slide 01978 (Dev., Chalonnnes)
Nicholson material: FRANCE, Chalonnnes, Mayenne
(AUGD 1002(13), slides 01977-8).
- Favosites invaginata* Nicholson 1875
85, 232-3, pl. 23, fig. 7, 7a (Dev., Marblehead)
Note: I have found no Nicholson material of this
species.
- Favosites mullochensis* Nicholson & Etheridge 1878
123, 36-7, pl. 2, fig. 2.
pl. 2, fig. 2 BMNH R26768 (Sil., Mulloch Hill)

- 2a BMNH slide R26783
(Sil., Mulloch Hill)
- 2b BMNH slide R26784
(Sil., Mulloch Hill)
- 133, 281-2, pl. 18, fig. 5.
pl. 18, fig. 5 AUGD slide 01979 ?
(Sil., label reads Mulloch Hill)
- 5b AUGD slide 01980 ?
(Sil., label reads Mulloch Hill)
- Nicholson material: SCOTLAND, Ardmillan shore,
Ayrshire (RSM slides 1967.66.133-4; BMNH 26786-7),
Mulloch Hill, Ayrshire (BMNH R26768, slides
R26767, R26783-5; AUGD 1463 (17), slides
01979-80, 02251), Woodland Point, Ayrshire
(BMNH R408 (3), R489; AUGD 1001 (8));
ENGLAND, Skelgill, Westmorland (RSM slides
1967.66.135-6).
- Favosites (?) multipora* (Hall 1852)
67, 148-9 (Sil., Ontario) (= *F. halliana* q.v.).
80, 53-4 (Sil., Ontario)
- Favosites niagarensis* Hall 1851
127, 55 (= *F. gothlandica*).
- Favosites pleurodictyoides* Nicholson 1875
85, 231-2, pl. 23, fig. 3-3b. (Dev., Kelley's Island)
Note: I have found no Nicholson material of this
species.
- Favosites polymorpha* (Goldfuss 1829)
58, 50 (Dev., Ontario). 85, 231 (Dev., Ohio).
71, 50-1, pl. 7, fig. 7.
pl. 7, fig. 7 AUGD 1159a (Dev., Arkona)
127, 82, 84, 87 (= *Pachypora (Favosites) cervicornis* q.v.).
- Favosites punctata* Boullier 1826
134, 19-20, pl. 1, fig. 3.
pl. 1, fig. 3, 3a AUGD 1317a (Dev., La Baconnière)
3b BMNH slide R518b
(Dev., La Baconnière)
3c BMNH slide R518a
(Dev., La Baconnière)
- Favosites reticulata* (Blainville 1830)
71, 51, pl. 7, fig. 2. (Dev., Port Colborne/Ridgeway)
127, 82, 83, 85 (= *Pachypora (Favosites) cervicornis* q.v.).
- Favosites (?) seriata* (Hall 1852)
67, 149-50 (Sil., Ontario). 80, 54 (Sil., Ontario).
- Favosites turbinata* Billings 1859
58, 48-50 (Dev., Ontario). 85, 230-1 (Dev., Ohio).
127, 38, 39, 68, 69.
71, 49-50, pl. 8, figs. 1, 2.
pl. 8, fig. 1 AUGD 1275a (Dev., Port Colborne)
2 AUGD 1275b (Dev., Port Colborne)
- Favosites venusta* (Hall 1852)
67, 147-8 (Sil., Ontario). 80, 52 (Sil., Ontario).
85, 226 (Sil., Ohio).
- Favosites winchelli* Rominger 1862
127, 55 (= *F. gothlandica*).
- Haimeophyllum ordinatum* Billings 1859
71, 39. (Dev., Ontario)
- Halysites* sp. Fischer 1813
133, 278-80, pl. 18, figs. 2-4.
pl. 18, fig. 4 AUGD slide 02268 ?
(Sil., Shalloch Mill)
- Halysites agglomerata* (Hall 1843)
67, 146. (Sil., Ontario)
80, 51, fig. 24c, d. (Sil., Rockwood)
179, fig. 59c, d (= 80, fig. 24c, d).
127, fig. 9c, d (= 80, fig. 24c, d).
- Halysites catenularia* (Linné 1767)
67, 146 (Sil., Ontario). 85, 227 (Sil., Ohio).
123, 49 (Sil., Girvan).
80, 51, fig. 24a, b.
fig. 24b, AUGD 927 ?
(Sil., Owen Sound/Rockwood)
- 179, fig. 59a, b (= 80, fig. 24a, b).
127, fig. 9a, b (= 80, fig. 24a, b).
133, 277-8, fig. 9B, C.
fig. 9B AUGD slide 01988 (Sil., Dudley)
C AUGD slide 01989 (Sil., Dudley)
- 174, fig. 220B, C (= 133, fig. 9B, C).
Notes: fig. 219 (= 80, fig. 24a, b) = *H. escharoides* q.v.
- Halysites escharoides* (Lamarck 1816)
133, fig. 9A
fig. 9A AUGD slide 01990 ? (Sil., Gotland)
174, 339, fig. 219, 220A (= 133, fig. 9A).
Note: fig. 219 (= 80, fig. 24a, b, '*H. catenularia*').
- Heliolites* sp. Dana 1846
134, 22 (Dev., France)
- Heliolites daintreei* Etheridge & Nicholson 1879
128, 224-5, pl. 14, fig. 3.
pl. 14, fig. 3 BMNH slide 90248 (Dev., Broken River)
3a BMNH slide 90248 ?
(Dev., Broken River)
- 133, 250. (Dev., Queensland)
Nicholson material: AUSTRALIA, Broken River,
Queensland (BMNH slide 90248).
- Heliolites dubius* Schmidt 1858
174, 336-7, fig. 217A, B.
fig. 217A AUGD slide 02009 (Sil., Estonia)
B AUGD slide 02010 (Sil., Estonia)
- Heliolites foliacea* Nicholson & Etheridge 1880
133, 261-2, pl. 16, fig. 6, pl. 17, fig. 1.
pl. 16, fig. 6 BMNH R26632 (Sil., Woodland Point)
pl. 17, fig. 1 BMNH R26632 ?
(Sil., Woodland Point)
- 1a BMNH slide R26678 ??
(Sil., Woodland Point)
1b BMNH slide R26682 ??
(Sil., Woodland Point)
- Nicholson material; SCOTLAND, Shalloch, Ayrshire
(BMNH slides R26631 (2), Woodland Point.
Ayrshire (BMNH R26632, slides R26678-26682
AUGD 1449, slides 02013 -5); USSR, Kattentack,
Estonia (AUGD 1019, slides 02011-2).
Note: BMNH R26632 is now largely cut up.
- Heliolites grayi* Edwards & Haime 1851
123, 58-60, pl. 4, fig. 4, pl. 5, fig. 1.
pl. 4, fig. 4 BMNH R26665 (Ord., Craighead)
4a BMNH slide R26668
(Ord., Craighead)

- pl. 5, fig. 1 AUGD slide 02016 or BMNH slide R26669 (Ord., Craighead)
133, 252-3. (Ord., Girvan)
- Heliolites interstincta* (Linné 1767)
123, 57-8 (Sil., Girvan)
133, 243, 254-9, pl. 16, figs. 1-4.
 pl. 16, fig. 1 BMNH R26640
 (Sil., Woodland Point)
 1a BMNH slide R26673
 (Sil., Woodland Point)
 1b BMNH slide R26677
 (Sil., Woodland Point)
174, fig. 216 (= **127**, fig. 11 ('*H. megastoma*' q.v.).
- Heliolites megastoma* (M'Coy 1846)
127, 26, 244-5, fig. 11A-C, pl. 12, fig. 2. (locality?)
 pl. 12, fig. 2 AUGD slide 02050? (Sil., Dudley)
 2a AUGD slide 02051? (Sil., Dudley)
 Note: fig. 11 = fig. 216 in **174** ('*H. interstincta*').
- Heliolites parasitica* Nicholson & Etheridge 1880
133, 259-61, pl. 16, fig. 5-5b.
 pl. 16, fig. 5 BMNH slide R26683
 (Sil., Mulloch Hill)
 5b BMNH slide R26686
 (Sil., Mulloch Hill)
 Nicholson material: SCOTLAND, Mulloch Hill,
 Ayrshire (BMNH slides R26683-6); AUGD 1468 (5)).
- Heliolites plasmoporoides* Etheridge & Nicholson 1879
127, 244, 245 (mentioned only).
128, 225, pl. 14, fig. 2.
 pl. 14, fig. 2, 2a BMNH slide 90246b
 (Dev., Queensland)
 2b BMNH slide 90246a
 (Dev., Queensland)
133, 249-50. (Dev., Queensland)
 Nicholson material: AUSTRALIA, Broken River,
 Queensland (BMNH slides 90246a, b).
- Heliolites porosa* (Goldfuss 1826)
128, 223-4. (Dev., Queensland) **134**, 22. (Dev., France)
174, 336-7, fig. 217C, D.
 fig. 217C AUGD slide 02063 (Dev., Büchel)
 D AUGD slide 02062 (Dev., Büchel)
- Laceripora cribrosa* Eichwald 1854
127, pl. 7, fig. 3 (copy)
- Lyellia glabra* Edwards & Haime 1851
127, 249-50, pl. 11, fig. 4 (copy).
- Lyopora favosa* (M'Coy 1850)
123, 26-9, pl. 1, fig. 1.
 pl. 1, fig. 1, 1a BMNH R26611 (Ord., Craighead)
 1b AUGD slide 02283? (Ord., Craighead)
 1c e AUGD slide 02283? (Ord., Craighead)
 1d AUGD slide 02279/80?
 (Ord., Craighead)
127, 190-1, pl. 8, fig. 3 (= **123**, pl. 1, fig. 1), pl. 9,
 fig. 2. (Ord., Craighead)
- Michelinia convexa* D'Orbigny 1850
71, 63-4. (Dev., Ontario)
127, 142 etc., fig. 21 (copy)
- Michelinia favosoidea* (Billings 1858)
80, 76. (Dev., Ontario)
- Monilopora (Cladochonus) crassa* (M'Coy 1844)
126, 293-5, pl. 7, fig. 2.
 pl. 7, fig. 2a BMNH 90232 (Carb., Lancashire)
 b BMNH 90233 (Carb., Lancashire)
 c cf. BMNH R17437
 (Carb., Lancashire)
 d BMNH slide 90234
 (Carb., Lancashire)
 e, f BMNH slide 90235
 (Carb., Lancashire)
 Note: labels on these slides read 'Yorkshire'.
127, 223-5, fig. 32 (= **126**, pl. 7, fig. 2).
- Nyctopora billingsi* Nicholson 1879
127, 184-5, pl. 9, fig. 3-3d.
 pl. 9, fig. 3 AUGD 1385 (Peterboro')
 3a GSC slide 6689? (Peterboro')
 3b GSC slide 6689a? (Peterboro')
 Nicholson material: CANADA, Peterboro', Ontario
 (AUGD 1385, 10574-5, slides 1385A-B, 10574A-B;
 GSC slides 6689, a).
 LECTOTYPE: slides GSC 6689, 6689a: Jull 1976:
 459-60.
- Pachypora* sp. Lindström 1873
154, fig. 1C, C' (Dev., Falls of the Ohio)
174, fig. 194C, C' (= **154**, fig. 1C, C').
- Pachypora cervicornis* (Blainville 1830) (see *Favosites cervicornis*)
- Pachypora cristata* Edwards & Haime 1851
127, 87-91, pl. 4, fig. 4-4b; pl. 5, fig. 1.
 pl. 4, fig. 4b BMNH slide R471?
 (Sil., Dormington)
- Pachypora fischeri* (Billings 1860) (see *Alveolites fischeri*)
- Pachypora frondosa* (Nicholson 1874) (see *Alveolites frondosa*)
- Pachypora lamellicornis* Lindström 1873
111, 362, pl. 20, figs. 15-17.
 pl. 20, fig. 17 RSM slide 1967.66.208?
 (Sil., Gotland)
127, 80-1, pl. 4, fig. 2-2c.
 pl. 4, fig. 2 (= **111**, pl. 20, fig. 15)
 2a RSM slide 1967.66.206?
 (Sil., Gotland)
 2b RSM slide 1967.66.207
 (Sil., Gotland)
- Pachypora meridionalis* Nicholson & Etheridge 1879
128, 280-1, pl. 14, fig. 4-4c. (Dev., Fanning River)
 Nicholson material: AUSTRALIA, Queensland?
 (BMNH 90239).
- Pachypora nicholsoni* Frech 1885
174, 245, 315, fig. 125B, 197A, B.
 fig. 125B AUGD slide 02296? (Dev., Gerolstein)
- Pachypora oehlerti* Nicholson 1881
134, 18, pl. 1, fig. 2-2c.
 pl. 1, fig. 2, 2a AUGD 1177a (Dev., France)

- Nicholson material: FRANCE, Viré, Sarthe (AUGD 1177 (8), 1453).
- Palaeacis cuneiformis* Haime in Edwards 1857
 119, 217-9, pl. 12, figs. 9-14.
 pl. 12, fig. 9, 10 BMNH R22559 (Carb., Combe Hill)
 11, 12 BMNH R22558 (Carb., Combe Hill)
 13 BMNH R22562 (Carb., Combe Hill)
 14 RSM slide 1967.66.259 (Carb., Combe Hill)
- Palaeacis cyclostoma* (Phillips 1836)
 119, 221-5, pl. 12, figs. 1-8, 16-18. (locality?)
 pl. 12, fig. 4 RSM slide 1967.66.255 ? (locality?)
 7, 8 RSM slide 1967.66.256 (locality?)
 174, 306-7, fig. 188A-B.
 fig. 188B RSM slide 1967.66.257 (Carb., Scotland)
- Palaeacis cyclostoma* var. *koninckii* Etheridge & Nicholson 1878
 119, 223-4, pl. 12, figs. 19-20. (Carb., Scotland?)
 Note: I have found no Nicholson material of this species.
- Palaeacis obtusa* (Meek & Worthen 1860)
 119, 219-21, pl. 12, fig. 15.
 pl. 12, fig. 15 BMNH R2695 (Carb., Combe Hill)
- Pinacopora andersoni* Nicholson & Etheridge 1880
 133, 272-3, pl. 17, fig. 6, pl. 18, fig. 1.
 pl. 17, fig. 6 BMNH R26899 (Sil., Woodland Point)
 pl. 18, fig. 1, 1a BMNH R26899 (Sil., Woodland Point)
 1b, b' BMNH R26887 (Sil., Woodland Point)
 1c BMNH slide R26926 (Sil., label reads Ardmillan)
 1d BMNH slide R26926 (Sil., label reads Ardmillan)
 1e BMNH slide R26927 (Sil., label reads Ardmillan)
 Nicholson material: SCOTLAND, Ardmillan, Ayrshire (BMNH R26926-8), Woodland Point, Ayrshire (BMNH R26887, R26899; AUGD 10153 (6), slides 10153 (1-7)).
- Pinacopora grayi* Nicholson & Etheridge 1878
 123, 54-7, pl. 3, fig. 3.
 pl. 3, fig. 3 BMNH R26870 (Mulloch Hill)
 3a BMNH R26871 (Mulloch Hill)
 3b BMNH R26872 (Mulloch Hill)
 3c BMNH slide R26873 (Mulloch Hill)
 3e BMNH slide R26857 (Mulloch Hill)
 3f, g BMNH R26874 (Mulloch Hill)
 3h BMNH slide R26875 (Mulloch Hill)
 3i BMNH slide R26873 (Mulloch Hill)
 3j BMNH R26876 (Mulloch Hill)
 127, 251-2, pl. 12, fig. 3.
 pl. 12, fig. 3-3e (= 123, pl. 3, fig. 3, 3a, 3h, 3i, 3d, 3e).
 Nicholson material; SCOTLAND, Mulloch Hill,
- Ayrshire (BMNH R462 (3), R26876 (mould), slides R26857, R26870-5; AUGD 8566 (20), slides 02088-9).
- Plasmopora exserta* Nicholson & Etheridge 1880
 133, 269-70, pl. 17, fig. 4, 4a.
 pl. 17, fig. 4a AUGD slide 02096 ? (Sil., Dudley)
 Nicholson material: ENGLAND, Dudley, Staffordshire (AUGD 1061, slides 02095-6).
- Plasmopora girvanensis* Nicholson & Etheridge 1880
 133, 266-9, pl. 17, fig. 2-2b.
 pl. 17, fig. 2 BMNH R26974 (top missing) (Sil., Woodland Point)
 Nicholson material: SCOTLAND, Ardmillan, Ayrshire (BMNH slides R26971-3), Penkill, Ayrshire (BMNH slide R26979; RSM slide 1967.66.117), Woodland Point, Ayrshire (BMNH R26974).
- Plasmopora petaliformis* (Lonsdale 1839)
 127, 246, pl. 11, fig. 5; pl. 12, fig. 1.
 pl. 11, fig. 5 AUGD slide 02100 (Sil., Gotland)
 pl. 12, fig. 1 AUGD slide 02097 (Sil., Dudley)
 133, fig. 8A (= 127, pl. 11, fig. 5).
 174, fig. 218A (= 127, pl. 11, fig. 5).
- Plasmopora scita* Edwards & Haime 1851
 123, fig. 8B, C.
 fig. 8B AUGD slide 02102 (Sil., Gotland)
 C AUGD slide 02103 (Sil., Gotland)
 174, 338, fig. 218B, C (= 123, fig. 8B, C).
- Pleurodictyum problematicum* Goldfuss 1829
 127, 144-52, fig. 22A, B (copies)
- Pleurodictyum stylophorum* Eaton 1832
 127, 143-52, fig. 22C, D, pl. 8, fig. 1.
 fig. 22C AUGD 1476 ? (Dev., Hambrug)
 D AUGD 1476 ? (Dev., Hambrug)
 pl. 8, fig. 1 RSM slide 1967.66.241 (Dev., Hambrug)
 1a RSM slide 1967.66.242 (Dev., Hambrug)
 1b RSM slide 1967.66.243 (Dev., Hambrug)
 174, fig. 200C, D (= 127, fig. 22C, D).
- Propora edwardsii* Nicholson & Etheridge 1880
 133, 270-1, pl. 17, fig. 3.
 pl. 17, fig. 3 BMNH R26983 (Sil., Woodland Point)
 3a BMNH slide R26987 (Sil., Woodland Point)
 3b BMNH slide R26986 (Sil., Woodland Point)
 Nicholson material: SCOTLAND, Woodland Point, Ayrshire (BMNH R26983, slides R26986-7).
- Propora tubulata* (Lonsdale 1839)
 127, 247-8, pl. 11, fig. 3.
 pl. 11, fig. 3, 3a AUGD slide 02110 (Sil., Dudley)
 3b AUGD slide 02111 (Sil., Dudley)
- Protaraea vetusta* (Hall 1847)
 83, 9 (Ord., Ontario)
 123, 63, pl. 4, fig. 3.
 pl. 4, fig. 3 RSM slide 1967.66.111 (Ord., Ohio)
 3a RSM slide 1967.66.114 ? (Ord., Ohio)
- Rhaphidopora* sp. Nicholson & Foord 1886
 146, 522, pl. 17, figs. 9, 10. (Dev., Teignmouth)

- Rhaphidopora crinalis* (Schlüter 1881)
 144, 290-2, pl. 15, figs. 1-3; pl. 17, figs. 1, 5-8.
 pl. 15, fig. 1 AUGD slide 01453 ?
 (Dev., Teignmouth)
 1a AUGD slide 01454
 (Dev., Teignmouth)
 2 AUGD slide 01450 (Dev., Sötenich)
 2a AUGD slide 01443 (Dev., Sötenich)
 3 AUGD slide 01445 (Dev., Gerolstein)
 3a AUGD slide 01449 (Dev., Gerolstein)
 pl. 17, fig. 1 AUGD slide 01436 (Dev., Gerolstein)
 5 AUGD slide 01453 (Dev., Teignmouth)
 6 AUGD slide 01454 (Dev., Teignmouth)
 7 AUGD slide 01440/1 ?
 (Dev., Dartington)
- Rhaphidopora crinalis* var. *aculeata* Nicholson & Foord 1886
 146, 392-3, pl. 15, fig. 4-4b.
 pl. 15, fig. 4, 4a AUGD slide 01444
 (Dev., Gerolstein)
 Nicholson material: GERMANY, Gerolstein, Eifel
 (AUGD 1883 (16), slide 01444).
- Rhaphidopora stromatoporoides* (Roemer 1883)
 146, 293-8, 518-21, figs. A-G, pl. 15, figs. 5-7; pl. 16,
 figs. 1-8; pl. 17, figs. 2-4.
 fig. A, B, C, D AUGD slide 01415 ?
 (Dev., Gerolstein)
 E AUGD slide 01420 ?
 (Dev., Gerolstein)
 F AUGD slide 01392 ?
 (Dev., Gerolstein)
 G AUGD slide 01392 ?
 (Dev., Gerolstein)
 pl. 15, fig. 5, 5a AUGD slide 01413 ?
 (Dev., Gerolstein)
 5b AUGD slide 01412
 (Dev., Gerolstein)
 6 AUGD slide 01434
 (Dev., Teignmouth)
 6a AUGD slide 01433 ?
 (Dev., Teignmouth)
 7, 7a AUGD slide 01391A ?
 (Dev., Gerolstein)
 pl. 16, fig. 1 AUGD slide 01411 ?
 (Dev., Gerolstein)
 1b AUGD slide 01429
 (Dev., Gerolstein)
 1c AUGD slide 01430
 (Dev., Gerolstein)
 2 AUGD slide 01431
 (Dev., Gerolstein)
 2a AUGD slide 01395
 (Dev., Gerolstein)
 3 AUGD slide 01420
 (Dev., Gerolstein)
 4 AUGD slide 01427
 (Dev., Gerolstein)
 5 AUGD slide 01393
 (Dev., Gerolstein)
 6 AUGD slide 01427 ?
 (Dev., Gerolstein)
 7 BMNH slide 1089 (3)
 (Dev., Gerolstein)
 8 AUGD 1873 (Dev., Gerolstein)
 pl. 17, fig. 2 AUGD slide 01431 ?
 (Dev., Gerolstein)
- 3 AUGD slide 01409 ?
 (Dev., Gerolstein)
 4 AUGD slide 01427 ??
 (Dev., Gerolstein)
- Roemeria minor* Schlüter 1889
 158, 434-6, figs. 2, 3.
 fig. 2 AUGD slide 02183 (Dev., Dahlem)
 3 AUGD slide 02184 (Dev., Dahlem)
- Romingeria umbellifera* (Billings 1860) (see *Aulopora umbellifera*)
- Striatopora flexuosa* Hall 1852
 80, 55-6, fig. 26a (copy) (Sil., Ontario)
 127, fig. 18 (= 80, fig. 26a).
- Striatopora linneana* Billings 1860
 71, 59. (Dev., Ontario)
 129, 100-1, pl. 5, fig. 2.
 pl. 5, fig. 2, 2a AUGD 1641a ? (Dev., Arkona)
 2b RSM slide 1967.66.219
 (Dev., Arkona)
 2c RSM slide 1967.66.219 ?
 (Dev., Arkona)
 2d RSM slide 1967.66.219
 (Dev., Arkona)
- Striatopora pachystroma* Nicholson 1881
 134, 17-18, pl. 1, fig. 1-1b. (Dev., La Baconnière)
 Nicholson material: BELGIUM, Rochefort (AUGD
 1596, slides 02909-10).
- Stylaraea occidentalis* Nicholson & Etheridge 1878
 123, 62-3, pl. 4, fig. 2.
 pl. 4, fig. 2, 2a RSM slide 1967.66.115
 (Ord., Craighead)
 2b RSM slide 1967.66.116
 (Ord., Craighead)
 Nicholson material: SCOTLAND, Craighead, Ayrshire
 (RSM slides 1967.66.115-116).
- Syringolites huronensis* Hinde 1879
 127, 178-80, fig. 27.
 fig. 27A AUGD 993a (Sil., Manitoulin Island)
 B AUGD 993b (Sil., Manitoulin Island)
 C AUGD 993a/b ?
 (Sil., Manitoulin Island)
 D AUGD 993a ? (Sil., Manitoulin Island)
 158, 433-4, fig. 1 (= 127, fig. 27).
 174, 319, fig. 202 (= 127, fig. 27).
- Syringopora dalmani* Billings 1858
 127, 18-19, fig. 7. (Sil.)
- Syringopora geniculata* Phillips 1836
 127, 217-8, pl. 10, fig. 4-4b.
 pl. 10, fig. 4 RSM slide 1967.66.264 ?
 (Carb., Shap)
- Syringopora hisingeri* Billings 1859
 71, 40. (Dev., Ontario)
- Syringopora intermedia* Nicholson 1874
 71, 126, fig. 58.
 fig. 58 (2) AUGD 1451 ? (Dev., Ontario)
 Nicholson material: CANADA, Western Ontario

- (RSM 1875.1.25 (2), BMNH 73846, R20641-6 (Hinde Coll.)), Arkona, Ontario (RSM slide 1968.15.193; AUGD 1451).
- Syringopora laxata* Billings 1859
71, 41-2, pl. 6, fig. 2. (Dev., Ontario)
- Syringopora maclurei* Billings 1859
71, 41 (Dev., Ontario). 85, 247 (Dev., Ohio).
- Syringopora nobilis* Billings 1859
71, 40; fig. 10. (Dev., Port Colborne/Wainfleet)
- Syringopora perelegans* Billings 1859
71, 41. (Dev., Ontario)
- Syringopora reticulata* Goldfuss 1826
127, 215-7, fig. 30A-B, pl. 10, fig. 5.
fig. 30B AUGD slide 02119 (Carb., Kendal)
pl. 10; fig. 5 AUGD slide 02119/20 ?
(Carb., Kendal)
- 137, 224-9, fig. 3A-C.
fig. 3A, B AUGD slide 02120 ?
(Carb., Kendal)
- 174, fig. 208 (= 127, fig. 30).
- Syringopora retiformis* Billings 1858
67, 139* (Sil., Ontario). 80, 58 (Sil., Ontario).
127, 18-19, fig. 5. (Sil.)
- Syringopora verticillata* Goldfuss 1826
127, 18-19, fig. 6. (Sil.)
- Tetradium fibratum* Safford 1856
80, 10. (Ontario)
- Tetradium minus* Safford 1856
80, 28 (Ord., Ontario). 85, 222-3 (Ord., Ohio).
113, 162-4, figs. a-c.
fig. a AUGD slide 02266 (Ord., North America)
b. AUGD 944/1589 ? (Ord., North America)
c RSM slide 1967.66.57
(Ord., North America)
- 127, 23-24, 232-3, fig. 10A-C (= fig. 33).
fig. 10B AUGD slide 02122 (Ord., North America)
C AUGD slide 02122 (Ord., North America)
- 135, fig. 13 (= 127, fig. 10).
174, 340, fig. 221 (= 127, fig. 10).
- Tetradium peachii* Nicholson & Etheridge 1877 (see ALGAE)
- Thecia swindernana* (Goldfuss 1829)
127, 238-9, pl. 11, fig. 2.
pl. 11, fig. 2 RSM 1879.59.23
(Sil., label reads Benthall Edge)
2a b RSM slide 1967.66.195 ?
(Sil., label reads Dudley)
2c, d RSM slide 1967.66.194 ?
(Sil., label reads Dudley)
- Thecostegites scoticus* Nicholson & Etheridge 1878
123, 50-2, pl. 4, fig. 1.
pl. 4, fig. 1 BMNH R26850 (Ord., Craighead)
1a BMNH slide R26850 (Ord., Craighead)
1b BMNH slide R26851 (Ord., Craighead)
- 127, 206. (Ord., Girvan)
Nicholson material: SCOTLAND, Craighead, Ayrshire
(BMNH R26850, slides R26850-1).
- Trachypora elegantula* Billings 1860
71, 59. (Dev., Ontario)
127, 108-10, pl. 5, fig. 4.
pl. 5, fig. 4, 4a AUGD 1648a (Dev., Arkona)
4b RSM slide 1967.66.225
(Dev., Arkona)
4c RSM slide 1967.66.222
(Dev., Arkona)
- Trachypora ornata* (Rominger 1876)
127, 106-8, pl. 5, fig. 3.
pl. 5, fig. 3, 3a AUGD 1642a (Dev., Erie Co.)
3b RSM slide 1967.66.223
(Dev., Canandaigua, N.Y.)
3c RSM slide 1967.66.224
(Dev., Canandaigua, N.Y.)
- Vermipora clausa* (Lindström 1858)
127, 113-4, pl. 6, fig. 1.
pl. 6, fig. 1 AUGD 1056a (Sil., Gotland)
1a AUGD slide 02142 (Sil., Gotland)
1b AUGD slide 02143 (Sil., Gotland)

BRYOZOA

- Alecto auloporoides* Nicholson 1875
77, 124-5, pl. 11, fig. 2.
pl. 11, fig. 2-2b AUGD 9358 ? (Ord., Cincinnati)
85, 267, pl. 25, fig. 2 (= 77, pl. 11, fig. 2).
174, fig. 459A-C (B, C = 77, pl. 11, figs. 2a, b).
Nicholson material: USA, Cincinnati, Ohio (BMNH 60503, slide 01653 (Vine Coll., with Nicholson label); AUGD 9358 (14), 9396 (2)).

- Alecto ? canadensis* Nicholson 1873
57, 146-7. (Dev., Ontario)
71, 42, 124-6, fig. 57a-e ('*Aulopora* (?) *canadensis*')
(Dev., Ontario)
174, fig. 459E ('*Hederella canadensis*'). (Dev., Canada)
Nicholson material: GERMANY, Eifel (AUGD 8615);
CANADA, Western Ontario (RSM 1875.1.31, 1875.1.98
(2)), Arkona, Ontario (RSM slide 1968.15.231;
AUGD 8616 (3), 10145), Wainfleet, Ontario (AUGD
10633 (4)).
Note: The figured specimens may well be contained in
the above list, but these figures are especially difficult
to match since they represent only small parts of casts
of bryozoan colonies.

- Alecto confusa* Nicholson 1875
77, 126, pl. 11, fig. 4. (Ord., Cincinnati)
85, 267-8, pl. 25, fig. 6 (= 77, pl. 11, fig. 4).
Note: I have found no Nicholson material of this
species.
- Alecto frondosa* Nicholson 1875
77, 125-6, pl. 11, fig. 3-3d.
pl. 11, fig. 3-3b AUGD 9854a (Ord., Ohio)
3d RSM slide 1967.15.216 ?
(Ord., Ohio)
85, 266-7, pl. 25, fig. 3 (= 77, pl. 11, fig. 3).
Nicholson material: USA, Ohio (RSM slide 1968.15.216;
UC 1233), Cincinnati, Ohio (AUGD 9854 (16)).

- Alveolaria semiovata* Busk 1859
174, 620, fig. 463A-D. (Plioc., Britain)

Amplexopora discoidea (Nicholson 1874) (see *Chaetetes discoideus*)

Ascodictyon fusiforme Nicholson & Etheridge 1877

107, 463-4, pl. 19, figs. 7, 8 (Dev., Widder)
Nicholson material: CANADA (Ontario (AUGD 8698 (7))).

Ascodictyon radians Nicholson & Etheridge 1877

107, 465-6, pl. 19, figs. 9-11. (Carb., Boghead)
Note: I have found no Nicholson material of this species.

Ascodictyon stellatum Nicholson & Etheridge 1877

107, 464-5, pl. 19, figs. 1-6.
pl. 19, fig. 1 RSM slide 1968.15.209
(Dev., label reads Arkona)
2 RSM slide 1968.15.209
(Dev., label reads Arkona)
3 RSM slide 1968.15.207
(Dev., label reads Arkona)
4 RSM slide 1968.15.207
(Dev., label reads Arkona)
5 RSM slide 1968.15.206
(Dev., label reads Arkona)
6 RSM slide 1968.15.205
(Dev., label reads Arkona)

Nicholson material: CANADA, Arkona, Ontario (RSM slides 1968.15.203-11; AUGD 3538 (9)).

Aulopora arachnoidea Hall 1847

77, 126-7, pl. 11, fig. 5, 5a. (Ord., Cincinnati)
85, 216-7, pl. 23, fig. 1-1b (1, 1a = 77, pl. 11, figs. 5, 5a).

Botryllopora socialis Nicholson 1874

65, 160-1, pl. 9, fig. 16.
pl. 9, fig. 16a-c RSM 1875.1.80 (Dev., Arkona)
66, 133-4.
71, 96-7, fig. 32 (= 65, pl. 9, fig. 16).
174, 619, fig. 462 (= 65, pl. 9, fig. 16).
Nicholson material: CANADA, Western Ontario (RSM 1875.1.80; BMNH 56392, D28073-5, PD2005-9, PD2062 (Hinde Coll.)), Arkona, Ontario (BMNH R40100; AUGD 10634 (2)).

Callopora fletcheri Edwards & Haime 1854

140, 122-3, pl. 7, fig. 5-5b.
pl. 7, fig. 5a RSM slide 1967.66.561
(Sil., Benthall/Dormington)
5b RSM slide 1967.66.556
(Sil., Benthall/Dormington)

Callopora foordii Nicholson in Nicholson & Lydekker 1889

174, 351, fig. 229.
fig. 229A AUGD 9888 ? (Sil., Estonia)
B AUGD slide 02837 ? (Sil., Estonia)
C AUGD slide 02840 (Sil., Estonia)

Nicholson material: USSR, Estonia (AUGD 9888, slides 02837-40).

Note: label on AUGD 9888 reads '*Callopora nummiformis*'.

Callopora ? glans Nicholson 1884

140, 123-4, fig. 1, pl. 7, fig. 6.
fig. 1A RSM slide 1967.66.570 (Sil., Sedgely)
B RSM slide 1967.66.571 (Sil., Sedgely)

Nicholson material: ENGLAND, Sedgely (RSM slides 1967.66.569-571).

Callopora incrassata Nicholson 1874

61, 13-14, pl. 2, fig. 1.
pl. 2, fig. 1a-c RSM 1879.58.5 ?
(Dev., Widder/Arkona)
1d 1879.58.5 ?
(Dev., Widder/Arkona)

71, 61-2, fig. 19 (= 61, pl. 2, fig. 1).
127, 308-10, fig. 40 (= 61, pl. 2, fig. 1), pl. 15, fig. 3-3b
(*Fistulipora incrassata*).

pl. 15, fig. 3a RSM slide 1967.66.335 (Dev., Arkona)
3b RSM slide 1967.66.334 (Dev., Arkona)

Nicholson material: CANADA, Western Ontario (RSM 1875.1.50-51, slides 1875.1.51a-c (Horowitz)), Arkona, Ontario (RSM 1879.58.5, slides 1967.66.331-337; BMNH R441 (5), slides R441 (2), R508 (2); AUGD 9840 (6)).

Callopora minutissima Nicholson 1875

80, 77, fig. 43.
fig. 43a, a' AUGD 9842a (Dev., Arkona)
Nicholson material: CANADA, Arkona, Ontario (BMNH PD1994 (Hinde Coll.); AUGD 9842 (2)).

Callopora nana Nicholson 1884

140, 120-2, pl. 7, fig. 4.
pl. 7, fig. 4 RSM slide 1967.66.566 ?
(Sil., Benthall/Buildwas)
4a RSM slide 1967.66.564
(Sil., Benthall/Buildwas)
4b RSM slide 1967.66.565
(Sil., Benthall/Buildwas)
Nicholson material: ENGLAND, Buildwas, Shropshire (RSM slides 1967.66.564-568).

Callopora nummiformis Dybowski 1877

174, fig. 224D, E, 225.
fig. 224D AUGD 9888 (Sil., Estonia)
E AUGD 9898 (Sil., Estonia)
225A AUGD slide 02828 (Sil., Estonia)
B AUGD slide 02829 (Sil., Estonia)

Callopora ? (Heterotrypa) rugosa (Edwards & Haime 1851)
(see *Chaetetes rugosus*)

Carinopora hindei Nicholson 1874

63, 84-5, fig. 2.
fig. 2a-i AUGD 9836b (Dev., Jarvis)
66, 132-3 (Dev., Ontario)
71, 111, fig. 48 (= 63, fig. 2).
174, 625, fig. 469G-I.
fig. 469G RSM slide 1968.15.318 (Devonian)
H RSM slide 1968.15.316 (Devonian)
I RSM slide 1968.15.320 (Devonian)

Nicholson material: CANADA, Jarvis, Ontario (RSM slides 1968.15.316-323; AUGD 9836 (4)).

Ceramopora sp. Hall 1851

135, 86-8, fig. 14D, E. (Sil., Dudley)

Ceramopora huronensis Nicholson 1875

76, 37, pl. 2, fig. 5.
pl. 2, fig. 5, 5a AUGD 10653 (Dev., Arkona)
80, 78, pl. 2, fig. 5 (= 76, pl. 2, fig. 5).
Nicholson material: CANADA, Western Ontario (RSM 1875.1.94), Arkona, Ontario (AUGD 10653).

Ceramopora ohioensis Nicholson 1875

78, 182-3, pl. 14, fig. 7-7d.
pl. 14, fig. 7 AUGD 9394 ? (Ord., Cincinnati)

- 7a RSM slide 1968.15.232 ?
(Ord., Cincinnati)
- 85, 265-6, pl. 25, fig. 10-10e (10c, d = 78, pl. 14, fig. 7c, d). (Ord., Cincinnati)
- 135, fig. 14A-C.
fig. 14A AUGD slide 02908 (Ord., Ohio)
B AUGD slide 02905 ? (Ord., Ohio)
C AUGD slide 02908 (Ord., Ohio)
- Nicholson material: USA, Cincinnati, Ohio (RSM slide 1968. 15.232; BMNH 01232 (Hinde Coll.); AUGD 9382, 9394 (4), slides 02905-8).
- Cerriopora (?) hamiltonensis* Nicholson 1874
65, 161, pl. 9, fig. 17 (Dev., Widder)
71, 97, fig. 33 (= 65, pl. 9, fig. 17).
179, fig. 91 (= 65, pl. 9, fig. 17).
174, fig. 455B, 478 (= 65, pl. 9, fig. 17) ('*Rhombopora (Cerriopora) hamiltonensis*').
- Nicholson material: CANADA, Western Ontario (RSM 1875.1.81 (7); BMNH 60507-8, PD 2067-9 (Hinde Coll.)); USA, New York; Canandaigua (RSM slides 1968.15.221-2).
- Chaetetes approximatus* Nicholson 1874
74, 502-3, pl. 29, fig. 3, 3a (Ord., Cincinnati)
85, 193-4, pl. 21, fig. 3, 3a (Ord., Cincinnati)
135, 115 (= *Monticulipora (Heterotrypa) ramosa* var. *dalii* q.v.).
- Nicholson material: USA, Cincinnati, Ohio (RSM slides 1967.66.435-6).
- Chaetetes attritus* Nicholson 1874
74, 503, pl. 29, fig. 4.
pl. 29, fig. 4, 4a AUGD 9862a (Ord., Cincinnati)
85, 194, pl. 21, fig. 4.
pl. 21, fig. 4, 4a AUGD 9862a (Ord., Cincinnati)
103, 93, pl. 5, fig. 12 ('*Dekayia attrita*').
pl. 5, fig. 12 RSM slide 1967.66.484
(Ord., Cincinnati)
12a RSM slide 1967.66.482
(Ord., Cincinnati)
- 127, 298-300, pl. 15, fig. 1.
pl. 15, fig. 1, 1a AUGD 9862a (Ord., Cincinnati)
1b RSM slide 1967.66.483
(Ord., Cincinnati)
1c RSM slide 1967.66.483
(Ord., Cincinnati)
- Nicholson material: USA, Cincinnati, Ohio (RSM slides 1967.66.482-5; AUGD 9862 (3)).
- Chaetetes barrandi* Nicholson 1874
62, 57-8, pl. 4, fig. 7c. (Dev., Widder)
71, 60-1, fig. 17c (= 62, pl. 4, fig. 7c).
127, fig. 36c (= 62, pl. 4, fig. 7c) ('*Monticulipora barrandi*')
135, 139-40, pl. 1, fig. 2-2d.
pl. 1, fig. 2b, 2c RSM slide 1967.66.361
(Dev., Arkona)
2d RSM slide 1967.66.359/479 ?
(Dev., Arkona)
- Nicholson material: CANADA, Arkona, Ontario (RSM slides 1967.66.359-361, 478-9; BMNH slide R529).
- Chaetetes briareus* Nicholson 1875
85, 202-3, pl. 21, fig. 13.
pl. 21, fig. 13 UC 1262 (Ord., Cincinnati)
13a, b UC 1262 (Ord., Cincinnati)
- 135, 198-9, pl. 2, fig. 5 ('*Monticulipora (Monotrypa) briarea*').
pl. 2, fig. 5 (= 85, pl. 21, fig. 13)
- 5a, b RSM slide 1967.66.545 ?
(Ord., Cincinnati)
- 5c RSM slide 1967.66.543 ?
(Ord., Cincinnati)
- Nicholson material: locality ? (AUGD 1580 (2)); USA, Cincinnati, Ohio (RSM slides 1967.66.543-5; UC 1262).
- Chaetetes ? clathratulus* Nicholson 1874
74, 509, pl. 30, fig. 1.
pl. 30, fig. 1-1b RSM slide 1968.15.305 ?
(Ord., Cincinnati)
- 85, 209, pl. 22, fig. 2.
pl. 22, fig. 2-2b RSM slide 1968.15.305 ?
(Ord., Cincinnati)
- 103, 91, pl. 5, fig. 9.
pl. 5, fig. 9 RSM slide 1968.15.303 ?
(Ord., Cincinnati)
- 9a RSM slide 1968.15.305
(Ord., Cincinnati)
- 135, 195 (= *Monticulipora (Monotrypa) pavonia* q.v.).
Nicholson material: USA, Cincinnati, Ohio (RSM slides 1968.15.303-6; BMNH R525; AUGD 1192 (4)).
- Chaetetes corticans* Nicholson 1874
74, 512-3, pl. 29, figs. 13, 14. (Ord., Cincinnati)
85, 210-1, pl. 22, fig. 6, 6a. (Ord., Cincinnati)
103, 91 (= *Chaetetes tuberculatus* q.v.).
- Note: I have found no Nicholson material of this species.
- Chaetetes dalei* Edwards & Haime 1851
74, 501-2, pl. 29, fig. 1. (Ord., Cincinnati)
85, 192, pl. 21, fig. 1, 1a. (Ord., Cincinnati)
135, 115 (= *Monticulipora (Heterotrypa) dalii* q.v.).
- Chaetetes delicatulus* Nicholson 1874
74, 505-6, pl. 29, fig. 8 (Ord., Ohio/Ontario)
80, 30-1. (Ord., Ontario)
85, 199-200, pl. 21, fig. 9.
pl. 21, fig. 9, 9a AUGD 1436 ?
(Ord., label reads Ontario)
- Nicholson material: CANADA, Credit River, Ontario (AUGD 1436), Western Ontario (BMNH 56688); USA, Waynesville, Ohio (RSM slides 1968.15.324-5; BMNH 56418; AUGD slide 02260).
- Chaetetes discoideus* Nicholson 1874
74, 511, pl. 30, fig. 4.
pl. 30, fig. 4-4d AUGD 1455a (Ord., Cincinnati)
80, 10, 32-3 (Ord., Ontario)
85, 206, pl. 21, fig. 15.
pl. 21, fig. 15-15c AUGD 1455b (Ord., Cincinnati)
103, 88-9, pl. 5, fig. 7, 7a (Ord., Cincinnati)
135, 193-5, pl. 4, fig. 3 ('*Monticulipora (Monotrypa) discoidea*').
pl. 4, fig. 3-3b AUGD 1455b (Ord., Cincinnati)
3c, d RSM slide 1967.66.536
(Ord., Cincinnati)
3e, f RSM slide 1967.66.535
(Ord., Cincinnati)
- 174, fig. 224C ('*Amplexopora discoidea*').
fig. 224C AUGD 1455 (Ord., Cincinnati)
- Nicholson material: USA, Cincinnati, Ohio (RSM slides 1967.66.535-8; BMNH R451 (2); UC 596; AUGD 1455).
- Chaetetes fletcheri* Edwards & Haime 1851
74, 504, pl. 29, fig. 6.

- pl. 29, fig. 6, 6a RSM slide 1967.66.467 ?
(Ord., Ontario/Ohio)
- 80, 11,30, 43. (Ord., Ontario)
- 86, 197-8, pl. 21, fig. 7.
pl. 21, fig. 7, 7a RSM slide 1967.66.467 ?
(Ord., Ohio)
- 103, 90-1, pl. 5, fig. 14 (Ord., Ohio)
- 135, 131 (= *Monticulipora (Heterotrypa) ulrichii* q.v.).
- Chaetetes frondosus* (D'Orbigny 1850)
- 74, 508-9, pl. 30, fig. 2-2b (Ord., Cincinnati)
- 85, 208-9, pl. 22, fig. 1-1b. (Ord., Cincinnati)
- 103, 91-2, pl. 5, fig. 11, 11a. (Ord., Cincinnati)
- 127, 278, 280-2 ('*Monticulipora (Peronopora) frondosa*'). (Ord., Cincinnati)
- 135, 216-24, fig. 46A-D, pl. 5, figs. 4, 5.
(Ord., Cincinnati)
pl. 5, fig. 4 AUGD 1466
- Chaetetes gracilis* Nicholson 1874
- 74, 504, pl. 29, fig. 7, 7a. (Ord., Cincinnati)
- 80, 11. (Ord., Ontario)
- 85, 198-9, pl. 21, fig. 8-8b. (Ord., Cincinnati)
- 103, 90, pl. 5, fig. 13. (Ord., Cincinnati)
- 127, 278, 280 ('*Monticulipora (Heterotrypa) gracilis*').
- 135, 125-8, fig. 20A-E, pl. 2, fig. 1-1b
fig. 20A, B RSM slide 1967.66.455 ?
(Ord., Cincinnati)
C RSM slide 1967.66.455 ?
(Ord., Cincinnati)
- Nicholson material: CANADA, Lake Huron, Ontario (BMNH D26990 (pres. Dr. Bigsby 1851; has Nicholson label)), Peterboro', Ontario (AUGD 1315 (2)); USA, Ohio (RSM slide 1967.66.457, 1879.58.17/17a (7)), Cincinnati, Ohio (RSM slides 1967.66.362, 455-6; BMNH 56419, R422 (10), D29734-43, slides R501 (2), R502 (2); AUGD 1646, slide 01941; UC280), Waynesville, Ohio (RSM slide 1967.66.458; BMNH 56464).
- Chaetetes jamesi* Nicholson 1874
- 74, 506-7, pl. 29, fig. 10.
pl. 29, fig. 10-10b AUGD 9133 ?
(Ord., Cincinnati)
- 85, 200-1, pl. 21, fig. 11.
pl. 21, fig. 11, 11a AUGD 9133 (Ord., Cincinnati)
- 103, 89-90, pl. 5, fig. 5.
pl. 5, fig. 5 RSM slide 1967.66.462
(Ord., Cincinnati)
- 127, 278, 280 ('*Monticulipora (Heterotrypa) jamesi*').
- 132, 415-8, figs. 3, 4.
fig. 3A, B AUGD 9133 (Ord., Cincinnati)
4A, B RSM slide 1967.66.463 ?
(Ord., Cincinnati)
C RSM slide 1967.66.464 (Ord., Cincinnati)
D RSM slide 1967.66.462 (Ord., Cincinnati)
- 135, 143-7, figs. 25, 26 (= 132, figs. 3, 4).
Nicholson material: USA, Ohio (RSM 1879.58.19 (2)), Cincinnati, Ohio (RSM slides 1967.66.462-4; BMNH R447 (3), slides R504 (2); AUGD 8837 (2), 9133 (35)).
- Chaetetes mammulatus* (D'Orbigny 1850)
- 74, 508, pl. 30, fig. 3. (Ord., Cincinnati)
- 85, 207-8. (Ord., Ohio)
- 127, 271, 274, 278, 294-5, pl. 13, fig. 1 ('*Monticulipora (Heterotrypa) mammulata*').
pl. 13, fig. 1, 1a AUGD slide 02855/4 ?
(Ord., Cincinnati)
- 1b AUGD slide 02861
(Ord., Cincinnati)
- 135, 104-10, pl. 6, fig. 1.
pl. 6, fig. 1 AUGD 8769a (Ord., Cincinnati)
1a AUGD 8769b (Ord., Cincinnati)
1b, c AUGD 8769c (Ord., Cincinnati)
1d, e AUGD slide 02855
(Ord., Cincinnati)
1f (= 127, pl. 13, fig. 1)
(Ord., Cincinnati)
1g AUGD slide 02861/2
(Ord., Cincinnati)
(see *Monticulipora mammulata*)
- Chaetetes moniliformis* Nicholson 1874
- 62, 57, pl. 4, fig. 7a, b.
pl. 4, fig. 7a, b AUGD 1391a or RSM slide
1967.66.459 ? (Dev., Arkona)
- 71, 60, fig. 17a, b (= 62, fig. 7a, b).
- 127, 278, 280, fig. 36a, b (= 62, pl. 4, fig. 7a, b), 37
('*Monticulipora (Heterotrypa) moniliformis*').
fig. 37 RSM slide 1967.66.459 ? (Dev., Ontario)
- 135, 137-9, figs. 3B, 5 (= 24) (= 27, fig. 37), pl. 1, fig. 1.
fig. 3B RSM slide 1967.66.459 ? (locality ?)
pl. 1, fig. 1, 1a AUGD 1391b (Dev., Arkona)
1b RSM slide 1967.66.459 ?
(Dev., Arkona)
1c RSM slide 1967.66.459
(Dev., Arkona)
- Nicholson material: CANADA, Western Ontario (AUGD 1391 (5)), Arkona, Ontario (RSM slides 1967.66.459-461).
- Chaetetes newberryi* Nicholson 1875
- 85, 212-3, pl. 22, fig. 4-4a. (Ord., Cincinnati)
- 103, 89, pl. 5, fig. 8.
pl. 5, fig. 8 RSM slide 1967.66.390 ?
(Ord., Cincinnati)
8a RSM slide 1967.66.389/390
(Ord., Cincinnati)
- 135, 212-4, pl. 4, fig. 1-1e ('*Monticulipora (Prasopora) newberryi*').
pl. 4, fig. 1d RSM slide 1967.66.388
(Ord., Cincinnati)
1e RSM slide 1967.66.389
(Ord., Cincinnati)
- Nicholson material: USA, Cincinnati, Ohio (RSM slides 1967.66.388-390).
- Chaetetes ? nodulosus* Nicholson 1874
- 74, 506, pl. 29, fig. 9, 9a (Ord., Cincinnati)
- 85, 200, pl. 21, fig. 10, 10a. (Ord., Cincinnati)
- 103, 87, pl. 5, fig. 3.
pl. 5, fig. 3 RSM slide 1967.66.450 ?
(Ord., Cincinnati)
- 135, 116-8, pl. 1, fig. 4-4d ('*Monticulipora (Heterotrypa) nodulosa*').
pl. 1, fig. 4b RSM slide 1967.66.452
(Ord., Cincinnati)
4c RSM slide 1967.66.453
(Ord., Cincinnati)
4d RSM slide 1967.66.454
(Ord., Cincinnati)
- Nicholson material: USA, Cincinnati, Ohio (RSM slides 1967.66.450-4; BMNH R526, slide R526).
- Chaetetes ortonii* Nicholson 1874
- 74, 513, pl. 29, fig. 15-15b

- pl. 29, fig. 15b RSM slide 1967.66.428 ?
(Ord., Cincinnati)
- 85, 211-2, pl. 22, fig. 3.
pl. 22, fig. 3-3b RSM slide 1967.66.428 ?
(Ord., Cincinnati)
- 135, 228-31, pl. 3, fig. 4-4d (*Monticulipora*
(*Peronopora*) *ortoni*').
pl. 3, fig. 4b RSM slide 1967.66.429 ?
(Ord., Cincinnati)
4c RSM slide 1967.66.431
(Ord., Cincinnati)
4d RSM slide 1967.66.430/2 ?
(Ord., Cincinnati)
- Nicholson material: USA, Cincinnati, Ohio (RSM
slides 1967.66.428-432; BMNH slide R528; AUGD 1314
(6)).
- Chaetetes petechialis* Nicholson 1875
85, 213, pl. 22, fig. 5.
pl. 22, fig. 5, 5a AUGD 1478 (Ord., Cincinnati)
Nicholson material: USA, Cincinnati, Ohio (BMNH
73816 (3)), 73857 (5), 90221; AUGD 1478).
- Chaetetes petropolitanus* (Pander 1830)
63, 510-1, pl. 30, figs. 5-8 (Ord., Ontario/Ohio)
80, 10, 31-2, pl. 4, fig. 3, 4. (Ord., Canada)
82, 175-6. (Ord., Ontario/Ohio)
85, 204-5, pl. 21, fig. 14-14b (Ord., Ohio)
103, 88, pl. 5, fig. 6.
pl. 5, fig. 6 RSM slide 1967.66.508
(Ord., Peterboro', Ontario)
6a RSM slide 1967.66.511
(Ord., Peterboro', Ontario)
127, 316 (= *Monticulipora* (*Diplotrypa*) *whiteavesii* q.v.).
(see also *Monticulipora* (*Diplotrypa*) *petropolitana*)
- Chaetetes pulchellus* Edwards & Haime 1851
74, 503-4, pl. 29, fig. 5-5b. (Ord., Cincinnati)
80, 11-12. (Ord., Ontario)
85, 195-6, pl. 21, fig. 5, 5a. (Ord., Ohio)
135, 128 (= *Monticulipora* (*Heterotrypa*) *andrewsii* q.v.).
(see also *Monticulipora* (*Monotrypa*) *pulchella*)
- Chaetetes quadrangularis* Nicholson 1874
62, 58, pl. 4, fig. 8.
pl. 4, fig. 8a, b AUGD 8619a (Dev., Arkona)
71, 61, fig. 18 (= 62, pl. 4, fig. 8).
Nicholson material: CANADA, Western Ontario
(RSM 1875.1.47), Arkona, Ontario (AUGD 8619 (5)).
- Chaetetes ramosus* D'Orbigny 1850 (see *Monticulipora*
(*Heterotrypa*) *ramosa* var. *dalii*)
- Chaetetes rhombicus* Nicholson 1874
74, 507, pl. 29, fig. 11.
pl. 29, fig. 11a, b RSM slide 1967.66.526 ?
(Ord., Cincinnati)
85, 201-2, pl. 21, fig. 12, 12a. (Ord., Cincinnati)
103, 86-7, pl. 5, fig. 1.
pl. 5, fig. 1, 1a RSM slide 1967.66.532
(Ord., Cincinnati)
1b RSM slide 1967.66.532
(Ord., Cincinnati)
135, 179 (*Monticulipora* (*Monotrypa*) *quadrata* q.v.).
Nicholson material: USA, Cincinnati, Ohio (RSM slides
1967.66.526- 527, 532).
- Chaetetes rugosus* Edwards & Haime 1851
74, 502, pl. 29, fig. 2. (Ord., Cincinnati)
85, 193, pl. 21, fig. 2. (Ord., Cincinnati)
103, 87, pl. 5, fig. 4.
pl. 5, fig. 4 RSM slide 1967.66.449 ?
(Ord., Cincinnati)
135, fig. 2C (*Monticulipora rugosa*').
fig. 2C RSM slide 1967.66.447/8 (locality ?)
135, 113-5, fig. 19A, B, pl. 2, fig. 3 (*Monticulipora*
(*Heterotrypa*) *ramosa* var. *rugosa*').
fig. 19A RSM slide 1967.66.447/8
(Ord., Cincinnati)
B RSM slide 1967.66.449
(Ord., Cincinnati)
174, 347, fig. 224B (= 74, pl. 29, fig. 2).
- Chaetetes sigillarioides* Nicholson 1875
85, 203-4, pl. 22, fig. 9-9b.
pl. 22, fig. 9, 9a UC 604 (reversed ?)
(Ord., Cincinnati)
103, 87, pl. 5, fig. 2.
pl. 5, fig. 2 RSM slide 1967.66.572
(Ord., Cincinnati)
135, 118 (= *Monticulipora* (*Heterotrypa*) *o'nealii* q.v.).
Nicholson material: USA, Cincinnati, Ohio (RSM slide
1967.66.572; BMNH R527; UC604).
- Chaetetes subpulchellus* Nicholson 1875
85, 196-7, pl. 21, fig. 6.
pl. 21, fig. 6, 6a AUGD 1222a (Ord., Cincinnati)
135, 134-6, fig. 23, pl. 5, fig. 2 (*Monticulipora*
(*Heterotrypa*) *subpulchellus*').
fig. 23A, B RSM slide 1967.66.477
(Ord., Cincinnati)
C, D RSM slide 1967.66.477
(Ord., Cincinnati)
pl. 5, fig. 2, 2a AUGD 1222b (Ord., Cincinnati)
Nicholson material: USA, Cincinnati, Ohio (RSM slide
1967.66.477; AUGD 1222 (19)).
- Chaetetes tuberculatus* Edwards & Haime 1851 (see
Monticulipora (*Monotrypa*) *tuberculata*)
- Chaetetes undulatus* Nicholson 1875
80, 10-11, 33, pl. 4, fig. 1. (Ord., Ontario)
82, 176-7 (Ord., Ontario)
127, 321-3, pl. 14, figs. 3-3b, 4-4a (*Monticulipora*
(*Monotrypa*) *undulata*').
pl. 14, fig. 3a RSM slide 1967.66.519
(Ord., Toronto)
3b RSM slide 1967.66.519
(Ord., Toronto)
4a AUGD slide 02317
(Ord., Peterboro')
135, 170-4, figs. 2A, 3D, 32A-C, 33A-C, (33C = 127,
pl. 14; fig. 3b).
fig. 3D AUGD slide 02317 ? (locality ?)
32C AUGD slide 02317 (Ord., Peterboro')
33B RSM slide 1967.66.518
(Ord., Toronto/Weston)
Nicholson material: CANADA, Ontario (RSM 1879.58.
13, 29; AUGD slide 02317), Toronto, Ontario (RSM
slides 1967.66.518-9).
- Clathropora frondosa* Hall 1852
67, 139*-40* (Sil., Ontario). 80, 59 (Sil., Ontario).

- Clathropora intermedia* Nicholson & Hinde 1874
 67, 140*-1*, fig. 5.
 fig. 5A, B AUGD 10147 (Sil., Thorold)
 80, 59-60, fig. 29 (= 67, fig. 5).
 Nicholson material: CANADA, Thorold, Ontario
 (BMNH PD 731 (Hinde Coll.); AUGD 10147).
- Clathropora intertexta* Nicholson 1874
 64, 125-6, fig. 15.
 fig. 15a, b AUGD 10643a (Dev., Jarvis)
 67, 141. (Dev., Ontario)
 71, 112-3, fig. 49 (= 64, fig. 15).
 179, fig. 90 (= 64, fig. 15). (see *Coscinium cribriforme*)
 Nicholson material: CANADA, Ontario (RSM 1875.1.85
 (2); BMNH PD 1955-6, 2100-4, (all Hinde Coll.)). Jarvis,
 Ontario (RSM slide 1968.15.345; AUGD 10643 (4),
 slides 02973-4).
- Constellaria antheloidea* (Hall 1847)
 85, 214-5. (Ord., Ohio)
 103, 92-3, pl. 5, fig. 10.
 pl. 5, fig. 10 RSM slide 1967.66.504
 (Ord., Cincinnati)
 10a RSM slide 1967.66.503
 (Ord., Cincinnati)
 127, 301-3, pl. 14, fig. 5.
 pl. 14, fig. 5 AUGD 9855 (Ord., Cincinnati)
 5a RSM slide 1967.66.507
 (Ord., Cincinnati)
 5b RSM slide 1967.66.505
 (Ord., Cincinnati)
- Constellaria polystomella* Nicholson 1875
 85, 215-6, pl. 22, fig. 7, 7a (Ord., Cincinnati)
 Note: I have not found any Nicholson material of this
 species.
- Coscinium (Cosciniotrypa) cribriforme* Prout 1859
 174, 632, fig. 455C, 477 (= 64, fig. 15 (*Clathropora*
intertexta q.v.)).
- Cryptopora mirabilis* Nicholson 1874
 63, 79-80, fig. 1.
 fig. 1A, B GSC 6327 (Dev., Ontario)
 C GSC 6328 (Dev., Ontario)
 D GSC 6328 (Dev., Ontario)
 E GSC 6328 (Dev., Ontario)
 F GSC 6328 (Dev., Ontario)
 66, 131-2. (Dev., Ontario)
 71, 103-4, fig. 40 (= 63, fig. 1).
 Nicholson material: CANADA, Ontario (GSC 6327-8).
- Cystodictyon gilberti* Meek 1873 (see *Ptilodictya gilberti*)
- Dekayia aspera* Edwards & Haime 1851
 141, fig. 2.
 fig. 2a, b AUGD 9853 ? (locality ?)
 174, 349, fig. 227 (= 141, fig. 2).
- Dekayia attrita* (Nicholson 1874) (see *Chaetetes attrita*)
- Domopora stellata* (Goldfuss 1826)
 174, 607-8, fig. 452C.
 fig. 452C RSM slide 1968.15.227 (Recent)
- Fenestella cribrosa* Hall 1852
 71, 106, fig. 43a, b. (Dev., Ontario)
 179, fig. 94 (= 71, fig. 43).
- Fenestella davidsoni* Nicholson 1875
 76, 36-7, pl. 2, fig. 3.
 pl. 2, fig. 3, 3a AUGD 10137a ? (Dev., Ontario)
 3b AUGD 10137a/GSC 3844, a).
 (Dev., Ontario)
 3c AUGD 10137a ? (Dev., Ontario)
 80, 81-2, pl. 2, fig. 3 (= 76, pl. 2, fig. 3).
 Nicholson material: CANADA, Ontario (GSC 3844, a),
 Arkona and Widder, Ontario (AUGD 10137 (2)).
- Fenestella filiformis* Nicholson 1874
 69, 199, pl. 9, fig. 24.
 pl. 9, fig. 24a, b GSC 6235 (Dev., Wainfleet)
 71, 107, fig. 45 (= 69, pl. 9, fig. 24).
 Nicholson material: CANADA, Wainfleet, Ontario
 (GSC 6235).
- Fenestella magnifica* Nicholson 1874
 69, 197, pl. 9, fig. 22.
 pl. 9, fig. 22a, b GSC 6236 (Dev., Port Colborne)
 71, 104-5, fig. 41 (= 69, pl. 9, fig. 22).
 179, fig. 92 (= 69, pl. 9, fig. 22).
 Nicholson material: CANADA, Port Colborne, Ontario
 (GSC 6236).
- Fenestella marginalis* Nicholson 1874
 69, 197-8, pl. 9, fig. 23.
 pl. 9, fig. 23a-c GSC 6236A (Dev., Port Colborne)
 71, 105, fig. 42 (= 69, pl. 9, fig. 23).
 Nicholson material: CANADA, Port Colborne, Ontario
 (GSC 6236A).
- Fenestella nervata* Nicholson 1875
 78, 182, pl. 14, fig. 6.
 pl. 14, fig. 6, 6a OSU 3292 (Sil., Cedarville)
 85, 264, pl. 25, fig. 11 (= 78, pl. 14, fig. 6).
 Nicholson material: USA, Cedarville, Ohio (OSU 3292).
 Note: Horowitz (pers. comm. Sept. 1977) could not
 find this specimen.
- Fenestella tenuiceps* Hall 1852
 71, 106-7, fig. 44.
 fig. 44a, b AUGD 9310/RSM 1875.1.84 ?
 (Dev., Ontario)
- Fenestella tenuis* Hall 1852
 67, 143. (Dev., Ontario)
- Fenestella tuberculocarinata* Etheridge 1873
 174, 622-4, fig. 467.
 fig. 467A AUGD slide 02981 (Carb., Scotland)
 B AUGD slide 02982 (Carb., Scotland)
- Fistulipora canadensis* Billings 1858
 71, 63. (Dev., Ontario)
 135, 94-7, fig. 17A-D.
 fig. 17A RSM slide 1967.66.338 ? (Dev., Ontario)
 B RSM slide 1967.66.179 ?? (Dev., Ontario)
- Fistulipora cornavica* Nicholson & Foord 1885
 141, 515-6, pl. 18, fig. 2.
 pl. 18, fig. 2 BMNH PD 3038 (Sil., Buildwas)
 2a b slide PD1190a (Sil., Buildwas)
 2c BMNH slide PD1190b
 (Sil., Buildwas)
 Nicholson material: ENGLAND, Buildwas, Shropshire
 (BMNH PD3038, slides PD1190a, b).

- Fistulipora crassa* (Lonsdale 1839)
140, 118-9, pl. 7, fig. 1, 2.
 pl. 7, fig. 1 RSM slide 1967.66.276:
 (Sil., Dudley/Benthall/Dormington)
 1a RSM slide 1967.66.275
 (Sil., Dudley/Benthall/Dormington)
 2 RSM slide 1967.66.313 ?
 (Sil., Dudley/Benthall/Dormington)
 2a RSM slide 1967.66.314
 (Sil., Dudley/Benthall/Dormington)
141, 506, pl. 15, fig. 1. (Sil., Dudley)
- Fistulipora dobunica* Nicholson & Foord 1885
141, 511, pl. 17, fig. 3.
 pl. 17, fig. 3 BMNH PD3039 (Sil., Dudley)
 3a BMNH slide PD1191a (Sil., Dudley)
 3b BMNH slide PD1191b (Sil., Dudley)
 Nicholson material: ENGLAND, Dudley, Staffordshire
 (BMNH PD3039, slides PD1191a, b, 56012, 38702a, b).
- Fistulipora eifelensis* (Schlüter 1881)
141, 512-4, fig. 5-6.
 fig. 5A AUGD 1220 (Dev., Gees)
 B RSM slide 1967.66.312 (Dev., Gees)
 C RSM slide 1967.66.312 (Dev., Gees)
 D RSM slide 1967.66.311 (Dev., Gees)
 fig. 6 RSM slide 1967.66.312 (Dev., Gees)
- Fistulipora eriensis* Rominger 1866
141, 511-2, fig. 1, pl. 17, fig. 4.
 fig. 1 RSM slide 1967.66.299 ? (Dev., Canandaigua)
 pl. 17, fig. 4 RSM slide 1967.66.299 ?
 (Dev., Canandaigua)
 4a RSM slide 1967.66.298 ?
 (Dev., Canandaigua)
174, fig. 226 (= **141**, fig. 1).
- Fistulipora favosa* Nicholson & Etheridge 1878
123, 40-1, pl. 2, fig. 3.
 pl. 2, fig. 3, 3a BMNH PD5362 (Ord., Balclatchie)
 3b BMNH slide R28591
 (Ord., Balclatchie)
 3c BMNH slide R28590
 (Ord., Balclatchie)
 Nicholson material: SCOTLAND, Balclatchie, Ayrshire
 (BMNH PD5362, slides R28590-2).
 Note: The slides are labelled 'Favosites sp'.
- Fistulipora goldfussi* (Michelin 1847)
141, 510-1, pl. 17, fig. 2.
 pl. 17, fig. 2 BMNH R35963 (locality ?)
 2a AUGD slide 02253 (locality ?)
 2b AUGD slide 02252 (locality ?)
- Fistulipora incrassata* (Nicholson 1874) (see *Callopora incrassata*)
- Fistulipora incrustans* (Phillips 1836)
141, 500-5, fig. 3.
 fig. 3C RSM slide 1967.66.329 ?
 (Carb., Gare, Carluke)
 D RSM slide 1967.66.320 ?
 (Carb., Redesdale)
 E RSM slide 1967.66.326
 (Carb., Redesdale)
174, fig. 234 (= **141**, fig. 3).
- Fistulipora ludensis* Nicholson 1884
140, 119-20, pl. 7, fig. 3.
 pl. 7, fig. 3, 3a RSM slide 1967.66.279
 (Sil., Dudley)
 3b RSM slide 1967.66.281 (Sil., Dudley)
 Nicholson material: ENGLAND, Dudley, Staffordshire
 (RSM slides 1967.66.277-284; BMNH PD3022, slides
 A56013).
- Fistulipora minor* M'Coy 1851
127, 306-8, fig. 39A, B.
 fig. 39A RSM 1960.8 (Carb., Cousland)
135, fig. 16 (= **127**, fig. 39).
141 (= *F. muscosa* q.v.).
- Fistulipora muscosa* Nicholson & Foord 1885 (from
F. minor q.v.)
141, 505-6, pl. 15, fig. 3.
 pl. 15, fig. 3 RSM slide 1967.66.318
 (Carb., Cousland)
 3a RSM slide 1967.66.316
 (Carb., Cousland)
 Nicholson material: SCOTLAND, Dalkeith, Midlothian
 (RSM slides 1967.66.316-9).
- Fistulipora nummulina* Nicholson & Foord 1885
141, 506-7, fig. 4, pl. 15, fig. 2.
 fig. 4 BMNH slide P1189a (Sil., Dudley)
 pl. 5, fig. 2, 2a BMNH PD3037 (Sil., Dudley)
 2b BMNH slide PD1189a ?
 (Sil., Dudley)
 2c BMNH slide PD1189b (Sil., Dudley)
 Nicholson material: ENGLAND, Dudley, Staffordshire
 (BMNH PD3037, slides P1189a, b).
- Fistulipora (?) pilula* Nicholson & Etheridge 1878
123, 41-2, pl. 3, fig. 1.
 pl. 3, fig. 1 BMNH D32605 (Ord., Craighead)
 1a BMNH slide D32595a
 (Ord., Craighead)
 1b BMNH slide D32595b
 (Ord., Craighead)
 Nicholson material: SCOTLAND, Craighead, Ayrshire
 (BMNH D32605, slides D32595-600 (2)).
- Fistulipora proporooides* Nicholson 1879
127, 310-2, fig. 41, pl. 15, fig. 2.
 fig. 41A RSM slide 1967.66.303?
 (Dev., Canandaigua)
 B RSM slide 1967.66.302
 (Dev., Canandaigua)
 pl. 15, fig. 2, 2a RSM 1879.58.7
 (Dev., Canandaigua)
 Nicholson material: USA, Canandaigua, New York
 (RSM 1879.58.7, slides 1967.66.300-5; BMNH R430
 (4), slides R510 (2)).
- Fistulipora romingeri* Nicholson & Foord 1885
141, 506 (for *F. crassa* Rominger 1866 nom. nud.
 (non Lonsdale 1839)).
 Note: I have found no Nicholson material of this species.
- Fistulipora torrubiae* (Edwards & Haime 1851)
141, 509-10, pl. 16, fig. 2.
 pl. 16, fig. 2 AUGD slide 02986 (locality ?)
 2a AUGD slide 02986 (locality ?)
 2b AUGD slide 02265 (locality ?)

- Fistulipora trifoliata* Schlüter 1885
 141, 514-5, pl. 18, fig. 1.
 pl. 18, fig. 1 AUGD 9041 ? (Dev., Gees)
 1a RSM slide 1967.66.346 (Dev., Gees)
 1b RSM slide 1967.66.346 (Dev., Gees)
 1c RSM slide 1967.66.345 (Dev., Gees)
- Fistulipora utriculus* Rominger 1866
 141, 508-9, pl. 16, fig. 1, pl. 17, fig. 1.
 pl. 16, fig. 1 AUGD 9859a (Dev., Thetford/Arkona)
 1a AUGD 9859b (Dev., Thetford/Arkona)
 1c, d RSM slide 1967.66.306 (Dev., Thetford/Arkona)
 1e RSM slide 1967.66.308 (Dev., Thetford/Arkona)
 pl. 17, fig. 1, 1a AUGD 9857 ? (Dev., Thetford/Arkona)
- Hederella canadensis* (Nicholson 1873) (see *Alecto* (?))
canadensis)
- Helopora fragilis* Hall 1852
 67, 141 (Dev., Ontario)
 80, 44, fig. 19 (3, 3a). (Sil., Dundas)
 179, fig. 66 (3) (= 80, fig. 19 (3)).
- Heterodictya gigantea* Nicholson 1875
 76, 34-5, pl. 2, fig. 1.
 pl. 2, fig. 1-1e AUGD 10139a ?? (Dev., Jarvis)
 80, 79-80, pl. 2, fig. 1 (= 76, pl. 2, fig. 1).
 135, fig. 15A RSM slide 1968.15.342 (Dev., Jarvis)
 B RSM slide 1968.15.343/4 (Dev., Jarvis)
 C RSM slide 1968.15.341 ? (Dev., Jarvis)
 174, 628-9, figs. 472, 473 (= 135, fig. 15) ('*Ptilodictya gigantea*').
 Nicholson material: CANADA, Jarvis, Ontario (RSM slides 1968.15.341-4; AUGD 10139 (2)).
 Note: If 174, fig. 472, is a more detailed figure of the specimen shown in 76, pl. 2, fig. 1, then AUGD 10139a is not that specimen.
- Heteropora neozelanica* Busk 1859
 132, 330-9, 420-3, fig. 1A-C (C: copy), 2A-D.
 fig. 1A AUGD 9890 ? (Recent)
 B AUGD slide 02996 (Recent)
 fig. 2A AUGD slide 02988 (Recent)
 B AUGD slide 02994 (Recent)
 C AUGD slide 02992/3 (Recent)
 174, fig. 456, 465 (= 132, fig. 2A, C, 1).
- Heteropora pelliculata* Waters 1879
 132, fig. 1D (copy).
- Hippothoa inflata* Hall 1847
 77, 123-4, pl. 11, fig. 1.
 pl. 11, fig. 1, 1a AUGD 9856 ? (Ord., Cincinnati)
 85, 268, pl. 25, fig. 1 (= 77, pl. 11, fig. 1).
 174, fig. 459A, D ('*Stomatopora inflata*')
 (Dev., Canada)
- Monotrypa crenulata* Nicholson 1884
 140, 124-7, fig. 2.
 fig. 2A B BMNH PD2998 (Sil., Dudley/Sedgeley)
 C BMNH slide PD2998A (Sil., Dudley/Sedgeley)
 D BMNH slide PD2998B (Sil., Dudley/Sedgeley)
- Nicholson material: ENGLAND, Dudley, Staffordshire (BMNH slides R580 (2)), Sedgeley (BMNH R2602; AUGD 9849), Dudley/Sedgeley (BMNH 46457, 56492, PD 2998, slides PD2998A, B).
 Note: BMNH 46457 and 56492 are stuck on a board bearing a label in Nicholson's handwriting: '*Monticulipora (Monotrypa)* n.sp. Dudley. This is apparently undescribed ...' However, he apparently did not figure these specimens in 140.
 LECTOTYPE: BMNH PD2998: Owen 1962: 208.
- Monotrypella (Monotrypa) pulchella* (Edwards & Haime 1851) (see *Monticulipora (Monotrypa) pulchella*)
- Monticulipora barrandi* (Nicholson 1874) (see *Chaetetes barrandi*)
- Monticulipora frondosa* D'Orbigny 1850 (see *Chaetetes frondosa*)
- Monticulipora gracilis* (Nicholson 1874) (see *Chaetetes gracilis*)
- Monticulipora implicata* (Ulrich 1880) (see *Monticulipora (Heterotrypa) implicata*)
- Monticulipora jamesi* (Nicholson 1874) (see *Chaetetes jamesi*)
- Monticulipora mammulata* D'Orbigny 1850
 (incl. *Chaetetes mammulatus* q.v. and *Monticulipora (Peronopora) molesta* q.v.)
 174, fig. 224A, 230.
 fig. 224A (= 135, pl. 6, fig. 2 (*M. molesta*)).
 230A, D AUGD slide 02855 (Ord., Cincinnati)
 B, E AUGD slide 02857 (Ord., Cincinnati)
 C, F AUGD slide 02861 (Ord., Cincinnati)
- Monticulipora moniliformis* (Nicholson 1874) (see *Chaetetes moniliformis*)
- Monticulipora petasiformis* Nicholson 1881 (see *Monticulipora (Monotrypa) petasiformis*)
- Monticulipora petropolitana* (Pander 1830) (see *Chaetetes petropolitanus* and *Monticulipora (Diplotrypa) petropolitana*)
- Monticulipora pulchella* (Edwards & Haime 1851) (see *Monticulipora (Monotrypa) pulchella*)
- Monticulipora ramosa* D'Orbigny 1850 (see *Chaetetes ramosa*)
- Monticulipora rugosa* (Edwards & Haime 1851) (see *Chaetetes rugosus*)
- Monticulipora selwynii* Nicholson 1881 (see *Monticulipora (Prasopora) selwynii*)
- Monticulipora tumida* (Phillips 1836) (see *Monticulipora (Heterotrypa) tumida*)
- Monticulipora ulrichii* Nicholson 1881 (see *Monticulipora (Heterotrypa) ulrichii*)

- Monticulipora undulata* (Nicholson 1875) (see *Chaetetes undulatus*)
- Monticulipora winteri* Nicholson 1879 (see *Monticulipora (Monotrypa) winteri*)
- Monticulipora (Diplotrypa) calycula* (James 1875)
 135, 165-7, pl. 4, fig. 4.
 pl. 4, fig. 4a RSM slide 1967.66.514 (Ord., Cincinnati)
 4b RSM slide 1967.66.513 (Ord., Cincinnati)
- Monticulipora (Diplotrypa) petropolitana* (Pander 1830) (non *Chaetetes petropolitana* in Nicholson 1874-6 = *M. (D.) whiteavesii* q.v.)
 127, 273, 278, 282-4, 286-7, 313-6, fig. 35A, pl. 13, fig. 3-3c.
 fig. 35A AUGD slide 02883 (Ord., Sweden)
 pl. 13, fig. 3b AUGD slide 02883 (Ord., Sweden)
 3c AUGD slide 02884 (Ord., Sweden)
 135, 156-60, figs. 1A (= 127, fig. 35A) 3C, 30 (= 127, pl. 13, fig. 3).
 fig. 3C AUGD slide 02884 (locality ?)
- Monticulipora (Diplotrypa) whiteavesii* Nicholson 1879 (from *Chaetetes petropolitanus* of Nicholson 1874-6 q.v.)
 127, 316-9, fig. 42, pl. 13, fig. 4-4b, pl. 14, fig. 1.
 fig. 42B RSM slide 1967.66.511 (Ord., Ontario/Ohio)
 C RSM slide 1967.66.508 (Ord., Ontario/Ohio)
 pl. 13, fig. 4b RSM 1967.66.509 ? (Ord., Peterboro')
 pl. 14, fig. 1 RSM 1967.66.400 (Ord., Peterboro')
 135, 160-5, fig. 31.
 fig. 31A, B, E (= 127, pl. 13, figs. 4a, 4, 4b)
 C RSM slide 1967.66.512 ? (Ord., Peterboro' - label reads Ottawa)
 D RSM slide 1967.66.512 ? (Ord., Peterboro' - label reads Ottawa)
 F RSM slide 1967.66.508 ? (Ord., Peterboro')
 (see *Monticulipora (Prasopora) selwynii*)
 Nicholson material: CANADA, Ottawa, Ontario (RSM slide 1967.66.512), Peterboro', Ontario (RSM 1879.58.18, slides 1967.66.508-511); USA, Ohio (RSM 1879.58.16 (2)).
 Note: RSM slide 1967.66.400 is labelled '*Monticulipora (Prasopora) selwynii*'.
- Monticulipora (Heterotrypa) andrewsii* Nicholson 1881 (from *Chaetetes pulchellus* of Nicholson 1874-5 q.v.)
 135, 128-31, fig. 21, pl. 5, fig. 1, 1a.
 fig. 21A, B RSM slide 1967.66.433 (Ord., Cincinnati)
 C RSM slide 1967.66.434 (Ord., Cincinnati)
 DRSM slide 1967.66.433 (Ord., Cincinnati)
 Nicholson material: CANADA (BMNH 5 unnumbered specimens (Foord Coll.?); USA, Cincinnati, Ohio (RSM slides 1967.66.433-4; AUGD 9034 (6)).
- Monticulipora (Heterotrypa) barrandi* (Nicholson 1874) (see *Chaetetes barrandi*)
- Monticulipora (Heterotrypa) dawsoni* Nicholson 1881
 135, 141-3, pl. 5, fig. 3.
 pl. 5, fig. 3-3b AUGD 8770 (Ord., Cincinnati)
 3c, d RSM slide 1967.66.466 (Ord., Cincinnati)
 3e, f RSM slide 1967.66.465 (Ord., Cincinnati)
 Nicholson material: USA, Cincinnati, Ohio (RSM slides 1967.66.465-6; AUGD 8770).
- Monticulipora (Heterotrypa) girvanensis* Nicholson 1881
 135, 151-4, fig. 29A-G (= *Chaetetes* sp. 123, pl. 3, fig. 2 q.v.).
 fig. 29D, E RSM slide 1967.66.475 ? (Ord., Craighead)
 F RSM slide 1967.66.475 ? (Ord., Craighead)
 G RSM slide 1967.66.475 ? (Ord., Craighead)
 Nicholson material: SCOTLAND, Craighead, Ayrshire (RSM slide 1967.66.475; BMNH R27360, uncatalogued fragments).
- Monticulipora (Heterotrypa) gracilis* (Nicholson 1874) (see *Chaetetes gracilis*)
- Monticulipora (Heterotrypa) gracilis* var. *meeki* (James 1878) 135, 127.
- Monticulipora (Heterotrypa) implicata* (Ulrich 1880 nom. nud.) Nicholson 1881
 135, 147-8, figs. 4, 27, pl. 2, fig. 7-7e.
 fig. 4 (= 27) RSM slide 1967.66.471/2 ? (Ord., Cincinnati)
 pl. 2, fig. 7d RSM slide 1967.66.471/2 ? (Ord., Cincinnati)
 7e RSM slide 1967.66.474 (Ord., Cincinnati)
 Nicholson material: USA, Cincinnati, Ohio (RSM slides 1967.66.471-4).
- Monticulipora (Heterotrypa) jamesi* (Nicholson 1874) (see *Chaetetes jamesi*)
- Monticulipora (Heterotrypa) mammulata* D'Orbigny 1850 (see *Chaetetes mammulata*)
- Monticulipora (Heterotrypa) moniliformis* (Nicholson 1874) (see *Chaetetes moniliformis*)
- Monticulipora (Heterotrypa) nodulosa* (Nicholson 1874) (see *Chaetetes ? nodulosus*)
- Monticulipora (Heterotrypa) o'nealli* (James 1875) (incl. *Chaetetes sigillarioides* Nicholson 1875 q.v.)
 135, 118-20, pl. 3, fig. 3-3f.
 pl. 3, fig. 3c, d RSM slide 1967.66.573 (Ord., Cincinnati)
 3e RSM slide 1967.66.574 (Ord., Cincinnati)
 3f RSM slide 1967.66.575 (Ord., Cincinnati)
- Monticulipora (Heterotrypa) ramosa* Edwards & Haime 1851
 127, 278, 281, 296-7, fig. 35B, pl. 13, fig. 2, 2a.
 pl. 13, fig. 2a AUGD slide 02990 (Ord., Cincinnati)
 135, 110-6, fig. 1B (= 127, fig. 35B).

- Monticulipora (Heterotrypa) ramosa* var. *dalii* (Edwards & Haime 1851)
(incl. *Chaetetes dalei* q.v. and *Chaetetes approximatus* q.v.)
103, 88 ('*Chaetetes ramosus*').
135, 115-6, fig. 19C, D, pl. 2, fig. 4.
fig. 19C RSM slide 1967.66.436 (Ord., Cincinnati)
D RSM slide 1967.66.435 (Ord., Cincinnati)
- Monticulipora (Heterotrypa) ramosa* var. *rugosa*
(Edwards & Haime 1851)
(see *Chaetetes rugosus*)
- Monticulipora (Heterotrypa) subpulchellus* (Nicholson 1875) (see *Chaetetes subpulchellus*)
- Monticulipora (Heterotrypa) trentonensis* Nicholson 1881
135, 149-51, fig. 28.
fig. 28A, B AUGD 8768a (Ord., Peterboro')
C, D RSM slide 1967.66.476 ? (Ord., Peterboro')
E RSM slide 1967.66.476 ? (Ord., Peterboro')
Nicholson material: CANADA, Peterboro', Ontario
(RSM slide 1967.66.476; AUGD 8768 (23)).
- Monticulipora (Heterotrypa) tumida* (Phillips 1836)
127, 278, 280
135, 120-4, pl. 3, fig. 1.
pl. 3, fig. 1-1c AUGD 10642a/BMNH R599
(Carb., Redesdale)
1d AUGD slide 10642b
(Carb., Redesdale)
1e AUGD slide 10642c/d
(Carb., Redesdale)
1f AUGD slide 10642c/d
(Carb., Redesdale)
138, 291-5, fig. 3 ('*Monticulipora ? tumida*').
fig. 3A RSM slide 1967.66.376 ? (Carb., Redesdale)
B RSM slide 1967.66.365 ? (Carb., Redesdale)
Note: BMNH R599 could not be found.
- Monticulipora (Heterotrypa) tumida* var. *miliaria*
Nicholson 1881
135, 123-4, pl. 3, fig. 2.
pl. 3, fig. 2, 2a AUGD 10135 or RSM slide
1967.66.387 ? (Carb., Redesdale)
2b, c RSM slide 1967.66.384
(Carb., Redesdale)
Nicholson material: ENGLAND, Redesdale, Northumberland (RSM slides 1967.66.382-7; AUGD 10135 (400)).
Note: Lee 1912: 179 stated: 'The only specimens which can with certainty be referred to *Dyscritella miliaria* are a few metatypes in the Nicholson collection [Aberdeen ?] ... The original of Nicholson's species was not available.'
- Monticulipora (Heterotrypa) ulrichii* Nicholson 1881
(incl. *Chaetetes fletcheri* of Nicholson 1874-6 q.v.)
135, 40, 131-4, fig. 3A, 22A-E.
fig. 3A RSM 1967.66.468 (locality ?)
22C RSM slide 1967.66.469/470
(Ord., Cincinnati)
D RSM slide 1967.66.469/470
(Ord., Cincinnati)
E RSM slide 1967.66.468 (Ord., Cincinnati)
Nicholson material: locality ? (AUGD 1047 ('*Chaetetes fletcheri*')); USA, Cincinnati, Ohio (RSM slides 1967.66.467-470; BMNH R427 (3)).
- Monticulipora (Monotrypa) briarea* (Nicholson 1875) (see *Chaetetes briarea*)
- Monticulipora (Monotrypa) calceola* (Miller & Dyer 1878)
135, 185-7, pl. 1, fig. 3-3e.
pl. 1, fig. 3a, b cf. BMNH R443 (Ord., Cincinnati)
3c, d RSM slide 1967.66.528
(Ord., Cincinnati)
3e RSM slide 1967.66.531
(Ord., Cincinnati)
- Monticulipora (Monotrypa) clavacoidea* (James 1875)
135, 182-5, fig. 37.
fig. 37A, B AUGD 1235a (Ord., Cincinnati)
C RSM slide 1967.66.525
(Ord., Cincinnati)
D, E RSM slide 1967.66.525
(Ord., Cincinnati)
- Monticulipora (Monotrypa) discoidea* (Nicholson 1874)
(see *Chaetetes discoidea*)
- Monticulipora (Monotrypa) irregularis* (Ulrich 1879)
135, 177-9, fig. 35A-C.
fig. 35B RSM slide 1967.66.541 (Ord., Cincinnati)
C RSM slide 1967.66.542 (Ord., Cincinnati)
- Monticulipora (Monotrypa) pavonia* (D'Orbigny 1850)
(incl. *Chaetetes (?) clathratulus* q.v.)
135, 195-8, fig. 41, pl. 6, fig. 3, 3a.
fig. 41A, B RSM slide 1968.15.306
(Ord., Cincinnati)
C, D RSM slide 1968.15.305
(Ord., Cincinnati)
- Monticulipora (Monotrypa) petasiformis* Nicholson 1881
135, 32, 190-2, figs. 2B, 40A-C.
fig. 2B RSM slide 1967.66.539 ? (locality ?)
40B RSM slide 1967.66.539 ?
(Ord., Cincinnati)
C RSM slide 1967.66.540 ?
(Ord., Cincinnati)
Nicholson material: USA, Cincinnati, Ohio (RSM slides 1967.66.539-40; BMNH R425 (2)).
- Monticulipora (Monotrypa) pulchella* (Edwards & Haime 1851)
127, 274, 277, 281, fig. 35C ('*Monticulipora pulchella*').
fig. 35C AUGD slide 02897 ? (Sil., Dudley)
132, 418-20, fig. 3C, D, 5A, B ('*Monticulipora pulchella*').
fig. 5A AUGD slide 02897 ? (Sil., Dudley)
B AUGD slide 02926 ? or RSM slide
1967.66.549/548 ? (label reads Dormington).
135, 188-9, figs. 1C (= 127, fig. 35C), 38, 39 (= 132, fig. 3C, D; 5).
140, 127 ('*Monotrypa pulchella*').
174, 351, fig. 228 (= 132, fig. 3), 231 (= 132, fig. 5) ('*Monotrypella pulchella*').
- Monticulipora (Monotrypa) quadrata* (Rominger 1866)
(incl. *Chaetetes rhombicus* q.v.)
135, 179-82, fig. 36A-E (A = 85, pl. 21, fig. 12).
fig. 36B, C RSM slide 1967.66.526
(Ord., Cincinnati)
D RSM slide 1967.66.527
(Ord., Cincinnati)

- Monticulipora (Monotrypa) tuberculata* (Edwards & Haime 1851)
(incl. *Chaetetes corticans* q.v.)
103, 91 ('*Chaetetes tuberculatus*').
135, 200-1, pl. 4, fig. 2.
pl. 4, fig. 2, 2a RSM slide 1967.66.534 ?
(Ord., Cincinnati)
2b, c RSM slide 1967.66.533
(Ord., Cincinnati)
- Monticulipora (Monotrypa) undulata* (Nicholson 1875)
(see *Chaetetes undulatus*)
- Monticulipora (Monotrypa) winteri* Nicholson 1879
127, 323-4, pl. 13, fig. 5, 5a, pl. 14, fig. 2.
pl. 14, fig. 2 RSM slide 1967.66.520
(Dev., Gerolstein)
2a RSM slide 1967.66.523
(Dev., Gerolstein)
134, 22-3. (Dev., France)
135, 174-7, fig. 34A, B (= 127, pl. 13, fig. 5); C, D
(= 127, pl. 14, fig. 2).
Nicholson material: GERMANY, Eifel (RSM 1879.58.12
(3), slide 1967.66.520), Gerolstein, Eifel (RSM slides
1967.66.521-3); SPAIN (AUGD 8767 (100)).
- Monticulipora (Peronopora) cincinnatiensis* (James 1875)
135, 226-8, pl. 2, fig. 6-6c. (Ord., Cincinnati)
- Monticulipora (Peronopora) frondosa* (D'Orbigny 1850)
(see *Chaetetes frondosus*)
- Monticulipora (Peronopora) molesta* Nicholson 1881
135, 224-6, pl. 6, fig. 2.
pl. 6, fig. 2, 2a AUGD 9863a (Ord., Cincinnati)
2b, c AUGD slide 02857
(Ord., Cincinnati)
2d AUGD slide 02862
(Ord., Cincinnati)
174, fig. 224 (= 135, pl. 6, fig. 2) ('*Monticulipora
mammulata*').
Nicholson material: USA, Cincinnati, Ohio (BMNH R455.
(2), R498 (1); AUGD 9583, 9863 (9), slides 02857,
02862).
- Monticulipora (Peronopora) ortonii* (Nicholson 1874) (see
Chaetetes ortonii)
- Monticulipora (Prasopora) newberryi* (Nicholson 1875) (see
Chaetetes newberryi)
- Monticulipora (Prasopora) selwynii* Nicholson 1881
135, 206-11, fig. 7A, B, 44 (from *Chaetetes
petropolitanus* - see 135 163-4).
fig. 7A RSM slide 1967.66.400 ? (Ord., Peterboro')
44A AUGD 9839a (Ord., Peterboro')
B, C RSM slide 1967.66.402 (Ord., Peterboro')
D RSM slide 1967.66.401 (Ord., Peterboro')
Nicholson material: CANADA, Ottawa, Ontario (RSM
slides 1967.66.393-8), Peterboro', Ontario (RSM slides
1967.66.399-402; BMNH D29804-6; AUGD 9839 (6));
USA, Versailles, Kentucky (RSM slides 1967.66.391-2).
- Monticulipora (Prasopora) selwynii* var. *hospitalis* Nicholson
1881
135, 209-11, fig. 45A-D.
fig. 45C RSM slide 1967.66.404 (Ord., Waynesville)
D RSM slide 1967.66.400
(*P. selwynii*', Ord., label reads Peterboro', Ontario)
Nicholson material: USA, Waynesville, Ohio (RSM slides
1967.66.403-5).
- Phaenopora ensiformis* Hall 1852
67, 142. (Sil., Ontario)
80, 45, fig. 19 (2,2a) (Sil., Dundas)
179, fig. 66 (2) (= 80, fig. 19 (2)).
- Phyllopora* sp. King 1849
174, fig. 453, 469E, F.
fig. 453 AUGD slide 02959 ? (Dev., Canada)
- Polypora halliana* Prout 1860
71, 99-100, fig. 36a (Dev., Wainfleet)
- Polypora pulchella* Nicholson 1874
65, 161-2, pl. 9, fig. 18a-d. (Dev., Port Colborne/
Wainfleet)
71, 99, fig. 35 (= 65, pl. 9, fig. 18).
Note: I have found no Nicholson material of this species.
- Polypora tenella* Nicholson 1874
65, 162, pl. 9, fig. 19b. (Dev., Wainfleet)
71, 100, fig. 36b (= 65, pl. 9, fig. 19b).
Note: I have found no Nicholson material of this species.
- Polypora tuberculata* Nicholson 1874
65, 162-3, pl. 9, fig. 20a-c. (Dev., Arkona)
71, 100-1, fig. 37 (= 65, pl. 9, fig. 20).
Note: I have found no Nicholson material of this species.
- Prasopora grayae* Nicholson & Etheridge 1877
115, 392, figs. A-D.
fig. A BMNH R32195 (Ord., Craighead)
B BMNH R32196 (Ord., Craighead)
C RSM slide 1967.66.407 (Ord., Craighead)
D RSM slide 1967.66.406 (Ord., Craighead)
123, 48, fig. 3 (= 115, figs. A-D).
127, 325-7, fig. 43 (= 115, figs. A-D).
135, 203-6, figs. 42-43 (= 115, figs. A-B, C-D).
Nicholson material: SCOTLAND, Craighead, Ayrshire
(RSM 1889.91.64(4), slides 1967.66.406-7; BMNH R468
(8), R494(2), R26670, R27827-66, R27874-83, R43622-
7, D32195-272, slides R468 (2), R494 (2), R26670,
D32195-6, PD4093 (2), PD4094 (3), PD4095 (3);
AUGD 9356 (91), slides 02262, 02938-44); ENGLAND,
Alston Road, Melmerby, Westmorland (AUGD 9868,
slides 02898-9).
- Ptilodictya acuta* (Hall 1847)
80, 12, fig. 3. (Ord., Ontario)
179, fig. 49A (= 80, fig. 3).
- Ptilodictya (?) arctipora* Nicholson 1875
78, 180, pl. 14, fig. 4.
pl. 14, fig. 4-4b AUGD 10138 (Ord., Cincinnati)
85, 262-3, pl. 25, fig. 9 (= 78, pl. 14, fig. 4).
Nicholson material: USA, Cincinnati, Ohio (AUGD
10138).
- Ptilodictya cosciniformis* Nicholson 1875
76, 35-6, pl. 2, fig. 2.
pl. 2, fig. 2-2b AUGD 9085 (Dev., Arkona)
80, 80-1, pl. 2, fig. 2 (= 76, pl. 2, fig. 2).
Nicholson material: CANADA, Arkona, Ontario
(BMNH PD2020-8 (Hinde Coll.); AUGD 9085, slide
02945).

- Ptilodictya crassa* (Hall 1852)
67, 142 (Sil., Ontario). 80, 45 (Sil., Ontario).
- Ptilodictya emacerata* Nicholson 1875
78, 179, pl. 14, fig. 2-2b. (Ord., Cincinnati)
85, 261, pl. 25, fig. 5-5b. (Ord., Cincinnati)
Note: I have found no Nicholson material of this species.
- Ptilodictya falciformis* Nicholson 1875
78, 177-8, pl. 14, fig. 1.
pl. 14, fig. 1-1b AUGD 9389a (Ord., Cincinnati)
80, 13, fig. 2.
fig. 2a-c AUGD 9385a? (Ord., Cincinnati)
85, 259-61, pl. 25, fig. 7.
pl. 25, fig. 7-7b AUGD 9389a? (Ord., Cincinnati)
179, fig. 44 (= 80, fig. 2).
174, 630, figs. 474 (= 80, fig. 2), 475.
475A AUGD slide 02946
(Ord., Cincinnati)
B AUGD slide 02947
(Ord., Cincinnati)
Nicholson material: CANADA, Western Ontario (BMNH 60504, D2800; AUGD 9385 (2)), Peterboro'. Ontario (AUGD 10649 (7)); USA, Ohio (AUGD 9389 (5)), Cincinnati, Ohio (AUGD slides 02946-7).
- Ptilodictya fenestelliformis* Nicholson 1875
78, 181, pl. 14, fig. 5-5b. (Ord., Cincinnati)
80, 14-15. (Ord., Ontario)
85, 263-4, pl. 25, fig. 8 (= 78, pl. 14, fig. 5).
Nicholson material: CANADA, Peterboro', Ontario (RSM slides 1968.15.331-2; AUGD 10650 (4), 10651 (4); USA, Cincinnati, Ohio (AUGD 9036 (2))).
- Ptilodictya flagellum* Nicholson 1875
78, 179-80, pl. 14, fig. 3-3b. (Ord., Lebanon)
85, 262, pl. 25, fig. 4 (= 78, pl. 14, fig. 3).
Note: I have found no Nicholson material of this species. Horowitz (pers. comm. Sept. 1977) states that the types are in OSU.
- Ptilodictya (Heterodictya) gigantea* (Nicholson 1875)
(see *Heterodictya gigantea*)
- Ptilodictya gilberti* Meek 1873
80, 80. (Dev., Ontario)
174, 631-2, fig. 476 ('*Cystodictyon gilberti*?').
fig. 476A (copy)
B AUGD slide 02948 (Dev., North America)
C RSM slide 1968.15.339
(Dev., North America)
D AUGD slide 02949
(Dev., North America)
E RSM slide 1968.15.333?
(Dev., North America)
F RSM slide 1968.15.338
(Dev., North America)
- Ptilodictya meeki* Nicholson 1874
64, 123-4, pl. 6, fig. 14a-c. (Dev., Port Colborne)
71, 97-8, fig. 34 (= 64, pl. 6, fig. 14).
Nicholson material: CANADA, Ontario (BMNH PD1972-3 (Hinde Coll.)); USA, Canandaigua, New York (RSM slide 1968.15.340).
- Ptilodictya punctata* Nicholson & Hinde 1874
67, 143-4, fig. 1A, B. (Sil., Dundas)
- 80, 46, fig. 20 (= 67, fig. 1).
Nicholson material: locality? (AUGD 9310).
- Ptilodictya (?) raripora* (Hall 1852)
67, 142-3. (Sil., Ontario)
80, 45, fig. 19 (4, 4a). (Sil., Dundas)
179, fig. 66 (4) (= 80, fig. 19 (4)).
- Ptilodictya schafferi* Meek 1873
80, 33, fig. 4.
fig. 4a AUGD 10136 (Ord., River Credit)
b AUGD slide 029550 (Ord., River Credit)
179, fig. 49B (= 80, fig. 4).
- Retepora* sp. Lamarck 1801
174, fig. 455A.
fig. 455A AUGD slide 02954 (Recent)
- Retepora phillipsi* Nicholson 1874
65, 163, pl. 9, fig. 21a, b. (Dev., Port Colborne)
71, 102, fig. 39 (= 65, pl. 9, fig. 21).
179, fig. 93 (= 65, pl. 9, fig. 21).
Note: I have found no Nicholson material of this species.
- Retepora prisca* Goldfuss 1829
71, 101-2, fig. 38a, b. (Dev., Ridgeway/Port Colborne)
- Retepora trentonensis* Nicholson 1875
76, 37, pl. 2, fig. 4-4b. (Ord., Peterboro')
80, 15, pl. 2, fig. 4 (= 76, pl. 2, fig. 4).
Nicholson material: CANADA, Ontario (BMNH PD 5374-7 (Hinde Coll.)).
- Rhabdomeson gracile* (Phillips 1841)
174, 633, fig. 479A, B.
fig. 479B AUGD slide 02956 (Carb., Scotland)
- Rhinopora verrucosa* Hall 1852
67, 141-2 (Sil., Ontario)
80, 44, fig. 19 (1).
fig. 19 (1, 1a) AUGD 9381a (Sil., Dundas)
179, fig. 66 (1) (= 80, fig. 19 (1)).
- Rhombopora (Ceriopora) hamiltonensis* (Nicholson 1874)
(see *Ceriopora (?) hamiltonensis*)
- Stenopora australis* Nicholson & Etheridge 1886
(from '*S. ovata*' of 127 and 128 q.v.)
144, 175-8, pl. 3, figs. 5, 6.
pl. 3, fig. 5 RSM slide 1968.15.243?
or BMNH slide PD122?
(Permo-Carb., Queensland)
6 RSM slide 1968.15.235/6?
or BMNH slide PD125?
(Permo-Carb., Queensland)
Nicholson material: AUSTRALIA, Queensland (RSM slides 1968.235-243; BMNH slides 90237 (Jack Coll.), PD122, PD125 (Dunstan Coll.)).
- Stenopora crinita* Lonsdale 1845
144, 182-5, fig. 2A-B, pl. 4, figs. 1-5
(Permo-Carb., NSW/Tasmania)
- Stenopora ? gracilis* (Dana 1849)
144, 185-6. (Permo-Carb., NSW)
- Stenopora howsii* Nicholson 1881
135, 83-4, (footnote), fig. 12.

- fig. 12A, B AUGD 10134b (Carb., Redesdale)
 C AUGD 10134c (Carb., Redesdale)
 138, 285-91, fig. 1 (= 135, fig. 12), pl. 10, fig. 1-10.
 pl. 10, fig. 1-3 AUGD 10141 ?? (Carb., Redesdale)
 4, 5 RSM slide 1968.15.257 ?
 (Carb., Redesdale)
 6 RSM slide 1968.15.257 ?
 (Carb., Redesdale)
 7 RSM slide 1968.15.262
 (Carb., Redesdale)
 8 RSM slide 1968.15.263 ?
 (Carb., Redesdale)
 9 RSM slide 1968.15.265
 (Carb., Redesdale)
 10 RSM slide 1968.15.264/6 ?
 (Carb., Redesdale)
- 174, 356-7, fig. 232 (= 135, fig. 12).
 Nicholson material: SCOTLAND, Gare, Carluke, Lanark
 (RSM slide 1968.15.253); ENGLAND, Redesdale,
 Northumberland (RSM slides 1968.15.254-70; AUGD
 10132 (16), 10134 (39), 10141 (2), slides '2a, 2k, 2n';
 BMNH R598, D31083-7), Ravenstonedale, Westmorland
 (AUGD 10133 (8)).
 Note: Lee 1912; 167 refers to 'the holotype - and many
 paratypes preserved in the Nicholson collection' [? at
 Aberdeen].
- Stenopora howsii* var. *arctica* Nicholson 1883
 138, 289-91, fig. 2, pl. 10, fig. 11.
 fig. 2A RSM slide 1968.15.274
 (Carb., Feilden isthmus)
 B RSM slide 1968.15.275
 (Carb., Feilden isthmus)
 Nicholson material: Feilden isthmus, Arctic (RSM
 slides 1968.15.271-7).
- Stenopora informis* Lonsdale 1845
 144, 181-2, fig. 1.
 fig. 1 BMNH PD4605 (Permo-Carb., Tasmania)
- Stenopora jackii* Nicholson (& Etheridge) 1879
 127, 172, fig. 25A-C. (Permo-Carb., Queensland)
 128, 275-6, fig. 1 (= 127, fig. 25).
 135, fig. 11 (= 127, fig. 25).
 144, 181 (Permo-Carb., Queensland)
 Note: I have found no Nicholson material of this species.
- Stenopora leichardtii* Nicholson & Etheridge 1886
 144, 179-80, pl. 3, figs. 7, 8. (Permo-Carb., Queensland)
 Nicholson material: AUSTRALIA, Pelican Creek,
 Queensland (RSM slides 1968.15.278-285).
- Stenopora ovata* Lonsdale 1844
 127, 172-7, figs. 26A-C. (Permo-Carb., Queensland)
 128, 274-5, fig. 2 (= 127, fig. 26), pl. 14, fig. 1-1d.
 pl. 14, fig. 1b RSM slide 1968.15.236 ?
 (Permo-Carb., Queensland)
 1c RSM slide 1968.15.236 ?
 (Permo-Carb., Queensland)
 144, 173-5, pl. 3, figs. 1-4.
 pl. 3, fig. 1 BMNH slide PD4604
 (Permo-Carb., Tasmania)
 2 BMNH slide PD4604
 (Permo-Carb., Tasmania)
 (NB. 127, 128 specimens = *S. australis* q.v.)
- Stenopora tasmaniensis* Lonsdale 1844
 127, 280, fig. 38A, B. (Carb., Australia)
 135, fig. 6 (= 127, fig. 38).
- 144, 178-9, pl. 3, figs. 9-12. (fig. 11: copy)
 pl. 3, fig. 12 BMNH 48746 (Carb., Tasmania)
- Stomatopora auloporoides* (Nicholson 1875) (see
Alecto auloporoides)
- Stomatopora inflata* (Hall 1847) (see *Hippochoa inflata*)
- Tabulipora urii* Young 1883
 138, 295-7. (Carb., Scotland)
- Taeniopora exigua* Nicholson 1874
 64, 122-3, pl. 6, fig. 13a-c. (Dev., Arkona)
 66, 133. (Dev., Ontario)
 71, 109, fig. 47 (= 64, pl. 6, fig. 13).
 Nicholson material: CANADA, Arkona, Ontario (BMNH
 PD2122 (Hinde Coll.); AUGD 10142 (4)).
- Taeniopora penniformis* Nicholson 1874
 64, 123, pl. 6, fig. 12a-d. (Dev., Arkona)
 66, 133. (Dev., Ontario)
 71, 109, fig. 46 (= 64, pl. 6, fig. 12).
 Nicholson material: CANADA, Ontario (BMNH PD2046-
 8 (Hinde Coll.)).
- Tennysonia stellata* Busk 1867
 174, 607-8, fig. 452A.
 fig. 452A RSM slide 1968.15.218 (Recent)
- Trematopora ostiolata* Hall 1852
 80, 60, fig. 26b, b', b'' (copy)

BRACHIOPODA

Ambocoelia umbonata (Conrad 1842)
 71, 126-7. (Dev., Port Colborne)

Amphigenea elongata (Vanuxem 1842)
 71, 91-2, fig. 29a, b. (Dev., Port Colborne)

Athyris cylindrica (Hall 1852)
 80, fig. 32f, f'. (Sil., Ontario)
 179, fig. 69f (= 80, fig. 32f) ('*Meristella*').

Athyris intermedia (Hall 1852)
 67, 141* (Sil., Ontario)
 80, 61, fig. 32a, a'. (Sil., Thorold)
 179, fig. 69a (= 80, fig. 32a) ('*Meristella*').

Athyris (?) maia Billings 1859
 71, 88. (Dev., St. Mary's)

Athyris nasuta (Conrad 1842)
 71, 86-8, fig. 27a, b (copy).
 fig. 27a RSM 1875.1.73
 (Dev., Port Colborne/Hagersville)

Athyris naviformis (Hall 1852)
 80, 62, fig. 32e. (Sil., Dundas)
 179, fig. 69e (= 80, fig. 32e) ('*Meristella*').

Atrypa congesta Conrad 1842
 80, fig. 21f, f'. (Sil., Ontario)
 179, fig. 68f (= 80, fig. 21f).

Atrypa flexuosa Marr & Nicholson 1888
 156, 725, pl. 16, fig. 20.

- pl. 16, fig. 20-20b SM A40308 (Sil., Skelgill)
 Nicholson material: ENGLAND, Skelgill, Westmorland
 (SM A40308)).
- Atrypa hemispherica* Sowerby 1839
 80, fig. 21e, e'. (Sil., Ontario)
- Atrypa reticularis* Linné 1767)
 71, 79 (Dev., Ontario)
 80, 60, fig. 30 (copy).
- Atrypa spinosa* Hall 1843
 71, 80. (Dev., Hagersville)
- Centronella glansfagea* (Hall 1857)
 71, 94-5. (Dev., Port Colborne)
- Centronella hecate* Billings 1861
 71, 95. (Dev., Port Colborne)
- Chonetes acutiradiata* (Hall 1843)
 71, 76, fig. 25a (copy), b.
 fig. 25b AUGD 9830 (Dev., Port Colborne)
- Chonetes arcuata* Hall 1857
 71, 76, (Dev., Port Colborne)
- Chonetes hemispherica* Hall 1857
 71, 75. (Dev., Port Colborne/New York)
- Chonetes lepida* Hall 1857
 71, 74, fig. 23c, c'. (Dev., Widder)
- Chonetes lineata* (Vanuxem 1842)
 71, 73, fig. 22a, b (copy).
 fig. 22a AUGD 3460 (Dev., Arkona)
- Chonetes mucronata* (Hall 1843)
 71, 74-5, fig. 24a, a' (copy), b.
 fig. 24b AUGD 3470 ? (Dev., Port Colborne)
- Chonetes scitula* Hall 1857
 71, 73-4, fig. 23a, b.
 fig. 23a, b AUGD 3452 ? (Dev., Widder)
- Coelospira concava* (Hall 1861)
 71, 94. (Dev., Ontario)
- Crania crenistriata* Hall 1860
 71, 127. (Dev., Arkona)
- Crania hamiltoniae* Hall 1860
 80, 82. (Dev., Arkona)
- Cyrtina hamiltonensis* (Hall 1857)
 71, 83-4. (Dev., Widder)
 174, 643-4, fig. 489C, D.
 fig. 489C AUGD slide 02604 (Dev., Widder)
 D AUGD slide 02605 or (Dev., Widder)
 RSM slide 1967.66. 'unreg. 1'.
- Dinobolus magnificus* (Billings 1858)
 80, 18, fig. 6a
 fig. 6a AUGD 3242 (Ord., Trenton)
- Leiorhynchus huronensis* Nicholson 1874
 64, 120-1, pl. 6, fig. 11a-c. (Dev., Widder)
 71, 90-1, fig. 28 (= 64, pl. 6, fig. 11).
- 174, fig. 535 (= 64, pl. 6, fig. 11).
 Note: I have found no Nicholson material of this species.
- Leiorhynchus multicosta* Hall 1860
 71, 89-90 (Dev., Widder)
- Leptaena sericea* Sowerby 1839
 80, 34, fig. 10e-e'. (Ord., Ontario)
 179, fig. 51 (= 80, fig. 10e).
 174, fig. 514e (= 80, fig. 10e).
- Leptocoelia planoconvexa* Hall 1847
 80, 46, fig. 21a, a' (Sil., Dundas)
 179, fig. 68a (= 80, fig. 21a).
- Lingula cobourgensis* Billings 1862
 80, 18, fig. 6b (copy),
- Lingula maida* Hall 1867.
 71, 93, fig. 30b.
 fig. 30b AUGD 3033 ? (Dev., Hagersville)
- Lingula squamiformis* Phillips 1836
 71, 92-3, fig. 30a. (Dev., Port Colborne)
- Meristella cylindrica* (Hall 1852) (see *Athyris cylindrica*)
Meristella intermedia (Hall 1852) (see *Athyris intermedia*)
Meristella naviformis (Hall 1852) (see *Athyris naviformis*)
- Orthis biforata* (Schlotheim 1820)
 80, 16, fig. 5a, a'. (Ord., Peterboro'/Trenton)
- Orthis calligramma* var. *davidseni* De Verneuil 1848
 80, 47, fig. 21g.
 fig. 21g, g' AUGD 9071 ? (Sil., Dundas)
 179, fig. 68g (= 80, fig. 21g).
- Orthis elegantula* Dalman 1828
 80, 47, fig. 21d, d'. (Sil., Dundas/Owen Sound)
 179, fig. 68d (= 80, fig. 21d).
- Orthis livia* Billings 1874
 71, 71-2. (Dev., Port Colborne, Wainfleet)
- Orthis plicatella* Hall 1847
 80, 17, 39, fig. 10d, d'. (Ord., Trenton/Whitby)
 179, fig. 51d (= 80, fig. 10d).
 174, fig. 514d (= 80, fig. 10d).
- Orthis subquadrata* Hall 1847
 80, 16, fig. 5c c'. (Ord., Peterboro')
- Orthis testudinaria* Dalman 1828
 80, 34, fig. 10c.
 fig. 10c AUGD 3556 ? (Ord., Weston)
 179, fig. 51c (= 80, fig. 10c).
 174, fig. 514c (= 80, fig. 10c).
- Orthis vanuxemi* Hall 1857
 71, 72. (Dev., Ontario/New York)
- Pentamerus oblongus* Sowerby 1839
 80, 61, fig. 31a, b. (Sil., Thorold)
- Pentamerus occidentalis* Hall 1852
 80, 67, fig. 35a, a'. (Sil., Ontario)

- Pholidops ovata* Hall 1861
71, 93, fig. 31.
fig. 31 AUGD 9832 (Dev., Port Colborne)
- Productella erlensis* Nicholson 1874
64, 118-20, pl. 6, fig. 10.
pl. 6, fig. 10a AUGD 3455/6 ?
(Dev., Port Colborne/Hagersville)
b AUGD 3455/6 ?
c AUGD 3455/6 ?
d AUGD 3455/6 ?
71, 77-8, fig. 26 (= 64, pl. 6, fig. 10).
Nicholson material: CANADA, Port Colborne, Ontario
(AUGD 3455, 3456 (2)).
- Retzia (?) eugenia* Billings 1861
71, 89. (Dev., Port Colborne)
- Rhynchonella cuneata* Hall 1859
80, fig. 21c. (Sil., Ontario)
179, fig. 68c (= 80, fig. 21c).
- Rhynchonella increbrescens* (Hall 1847)
80, 17, fig. 6d.
fig. 6d, d' AUGD 3684 (Ord., Ontario)
- Rhynchonella neglecta* Hall 1852
80, 47, fig. 21b, b'. (Sil., Dundas)
179, fig. 68b (= 80, fig. 21b).
- Rhynchonella recurvirostris* (Hall 1847)
80, 17, fig. 6c.
fig. 6c-c" AUGD 3559/3577 (Ord., Ontario)
- Spirifera crispa* (Hisinger 1826)
80, fig. 32c, c'. (Sil., Canada)
179, fig. 69c (= 80, fig. 32c).
- Spirifera duodenaria* (Hall 1843)
71, 82. (Dev., Ontario)
- Spirifera fimbriata* (Conrad 1842)
71, 82-3. (Dev., Ontario)
- Spirifera granulifera* Hall 1857
80, 82. (Dev., Ravenswood)
- Spirifera mucronata* (Conrad 1841)
71, 80-1. (Dev., Ontario)
- Spirifera niagarensis* (Conrad 1842)
80, 63, fig. 32b. (Sil., Niagara River)
179, fig. 69b (= 80, fig. 32b).
- Spirifera raricosta* (Conrad 1842)
71, 82. (Dev., Port Colborne)
- Spirifera sculptilis* (Hall 1843)
80, 82-3. (Dev., Arkona)
- Spirifera varicosa* Hall 1857
71, 81-2. (Dev., Ontario)
- Spirigera rostrata* (Hall 1843)
71, 85-6. (Dev., Ontario)
- Spirigera spiriferoides* (Eaton 1832)
71, 85. (Dev., Ontario)
- Streptorhynchus pandora* Billings 1860
71, 70. (Dev., Ontario)
- Strophomena alternata* (Conrad 1838)
80, 34, fig. 10a (Dev., Weston)
179, fig. 51a (= 80, fig. 10a).
174, fig. 514a (= 80, fig. 10a).
- Strophomena ampla* Hall 1857
71, 67-8. (Dev., Port Colborne)
- Strophomena deltoidea* Conrad 1839
80, 17, fig. 5d (copy).
- Strophomena demissa* Conrad 1842
71, 65-6. (Dev., Ontario)
- Strophomena filitexta* (Hall 1847)
80, 34, fig. 10b.
fig. 10b AUGD 3448/3442 ?
(Dev., Weston/Wood Point)
179, fig. 51b (= 80, fig. 10b).
174, fig. 514b (= 80, fig. 10b).
- Strophomena inequistriata* Conrad 1842
71, 66-7. (Dev., Ontario)
- Strophomena nacrea* Hall 1857
71, 68-9, fig. 21.
fig. 21 AUGD 9914 ? (Dev., Port Colborne)
- Strophomena patersoni* Hall 1857
71, 67. (Dev., Ontario)
- Strophomena perplana* Conrad 1842
71, 64-5, fig. 20.
fig. 20a, a' RSM 1875.1.60.
(Dev., Port Colborne/Wainfleet)
- Strophomena rhomboidalis* (Wilckens 1869)
71, 69. (Dev., Ontario)
80, 47, fig. 22 (copy)
- Strophomena subplana* Conrad 1842
80, 62, fig. 32d. (Sil., Thorold)
179, fig. 69d (= 80, fig. 32d).
- Trimerella acuminata* Billings 1865
80, 68, fig. 36 (copy).
- Trimerella grandis* Billings 1865
80, 67, fig. 37 (copy).
- Waldheimia flavescens* Lamarck 1819
174, 643-4, fig. 489A, B.
fig. 489A AUGD slide 02614 (Recent)
B AUGD slide 02615 (Recent)

MOLLUSCA : GASTEROPODA

Capulus (Platyceras) dumosus Conrad 1840 (see
Platyceras dumosum)

Cyclonema ? elevata Hall 1868

80, 72, pl. 3, fig. 16.
pl. 3, fig. 16a AUGD 4844 (1) (Sil., Elora)

- b AUGD 4844 (2). (Sil., Elora)
88, 548, pl. 26, fig. 16 (= 80, pl. 3, fig. 16).
- Helicotoma serotina* Nicholson 1874
71, 120-1, fig. 53a, b, pl. 2, fig. 8, 8a.
(Dev., Port Colborne)
Note: I have found no Nicholson material of this species.
- Holopea eriensis* Nicholson 1874
71, 120, pl. 2, fig. 9. (Dev., Ridgeway)
Note: I have found no Nicholson material of this species.
- Holopea gracia* Billings 1865
80, 72, pl. 3, fig. 17. (Sil., Elora)
88, 549, pl. 26, fig. 17 (= 80, pl. 3, fig. 17).
- Holopea guelphensis* Billings 1865
80, 72, pl. 3, fig. 18.
pl. 3, fig. 18 AUGD 4843 (Sil., Elora)
88, 549, pl. 26, fig. 18 (= 80, pl. 3, fig. 18).
- Holopea ? occidentalis* Nicholson 1875
80, 85, fig. "00" (= 45).
88, 550-1, text fig. (= 80, fig. 00).
Note: I have found no Nicholson material of this species.
- Murchisonia bellicincta* Hall 1847
80, 18, fig. 7a. (Ord., Ottawa/Collingwood)
- Murchisonia bivittata* Hall 1852
80, 70, pl. 3, figs. 7, 8.
pl. 3, fig. 7 AUGD 4832 (1)
(Sil., Elora/Hespeler)
8 AUGD 4832 (2)
(Sil., Elora/Hespeler)
88, 544, pl. 26, figs. 7, 8 (= 80, pl. 3, figs. 7, 8).
- Murchisonia boylei* Nicholson 1875
80, 71, pl. 3, fig. 1.
pl. 3, fig. 1 AUGD 4833 (Sil., Elora)
88, 547, pl. 26, fig. 1 (= 80, pl. 3, fig. 1).
Nicholson material: CANADA, Elora, Ontario (BMNH G27742 (Hinde Coll.); AUGD 4833).
- Murchisonia gracilis* Hall 1847
80, 18, figs. 7c. (Ord., Trenton/Collingwood)
- Murchisonia hercynia* Billings 1865
80, 71, pl. 3, fig. 2.
pl. 3, fig. 2 AUGD 4842 (Sil., Elora)
88, 547-8, pl. 26, fig. 2 (= 80, pl. 3, fig. 2).
- Murchisonia loganii* Hall 1852
80, 70, pl. 3, figs. 3, 4.
pl. 3, fig. 3 AUGD 4830 (Sil., Elora/Hespeler)
88, 544, pl. 26, figs. 3, 4 (= 80, pl. 3, figs. 3, 4).
- Murchisonia (?) longispira* (Hall 1852)
80, 70, pl. 3, figs. 11, 12.
pl. 3, fig. 11 BMNH 73840 (Sil., Ontario)
12 BMNH 73840 (Sil., Ontario)
88, 546, pl. 26, figs. 11, 12 (= 80, pl. 3, figs. 11, 12).
- Murchisonia macrospira* Hall 1852
80, 70, pl. 3, fig. 9. (Sil., Elora)
88, 545-6, pl. 26, fig. 9 (= 80, pl. 3, fig. 9).
- Murchisonia subfusiformis* Hall 1847
80, 18, fig. 7b. (Ord., Collingwood)
- Murchisonia turritiformis* Hall 1852
80, 70-1, pl. 3, fig. 10.
pl. 3, fig. 10 AUGD 4837 (Sil., Elora)
88, 545, pl. 26, fig. 10 (= 80, pl. 3, fig. 10).
- Murchisonia vitellia* Billings 1865
80, 71, pl. 3, fig. 6.
pl. 3, fig. 6 AUGD 4921 (Sil., Elora)
88, 547, pl. 26, fig. 6 (= 80, pl. 3, fig. 6).
- Platyceras sp.* Conrad 1840
71, 116, pl. 2, fig. 6, 7. (Dev., Wainfleet/Ridgeway)
- Platyceras dumosus* Conrad 1840
71, 116-7, fig. 52 (var. *rarispinum*)
fig. 52a, b RSM 1875.1.87 (Dev., Arkona)
179, fig. 99 (= 71, fig. 52) ('*Capulus dumosus*').
174, fig. 647 (= 71, fig. 52).
- Platyceras intermedium* Hall 1861
71, 115, fig. 51, pl. 2, fig. 2. (Dev., Port Colborne)
- Platyceras uniseriale* Nicholson 1874
71, 116, pl. 2, fig. 5.
pl. 2, fig. 5 AUGD 4897 (Dev., Port Colborne)
Nicholson material: CANADA, Port Colborne, Ontario
(AUGD 4897)
- Platyceras ventricosum* Conrad 1842
71, 115, pl. 2, fig. 1, 1a (Dev., Port Colborne)
- Platyostoma ventricosa* Conrad 1842
71, 117, pl. 2, fig. 4. (Dev., Port Colborne)
- Pleurotomaria sp.* DeFrance 1826
80, pl. 3, figs. 13, 14. (Sil., Elora)
88, 550, pl. 26, figs. 13, 14 (= 80, pl. 3, figs. 13, 14).
- Pleurotomaria lenticularis* Emmons 1842
80, 19, fig. 7d. (Ord., Collingwood)
- Pleurotomaria solarioides* Hall 1852
80, 72, pl. 3, fig. 15.
pl. 3, fig. 15 AUGD 4839 (Sil., Ontario)
88, 550, pl. 26, fig. 15 (= 80, pl. 3, fig. 15).
- Pleurotomaria umbilicata* Hall 1847
80, 19, fig. 7e.
fig. 7e AUGD 4900 ? (Ord., Collingwood)
- Strophostylus obliquus* Nicholson 1874
71, 119, pl. 2, fig. 11, 11a. (Dev., Port Colborne)
Note: I have found no Nicholson material of this species.
- Strophostylus ? ovatus* Nicholson 1874
71, 118-9, pl. 2, fig. 10, 10a. (Dev., Port Colborne)
Note: I have found no Nicholson material of this species.
- Strophostylus ? subglobus* Nicholson 1874
71, 118, pl. 2, fig. 3, 3a. (Dev., Port Colborne)
Note: I have found no Nicholson material of this species.
- Subulites ventricosus* Hall 1847
80, 71, pl. 3, fig. 5. (Sil., Hespeler)
88, 549, pl. 26, fig. 5 (= 80, pl. 3, fig. 5).

MOLLUSCA: POLYPLACOPHORA

B RSM slide 1968.15. 'unreg. 2'
(Cret., Cambridge)

Solenocaris solenoides J. Young 1868
129, 207. (Ord., Balclatchie)

MOLLUSCA: CEPHALOPODA

Discinocaris browniana H. Woodward 1866 (? cephalopod operculum)
174, 515-6, fig. 365c. (Ord.)

Endoceras longissimum Hall 1847
80, 20, fig. 8.
fig. 8, 8a' AUGD 5015 ('*E. proteiforme*')
(Ord., Ontario)

Endoceras proteiforme Hall 1847
35, 102-4, fig. 1a, b. (Sil., Skelgill Beck)
80, 33, 39, fig. 12c. (Ord., Weston)

Orthoceras lamellosum Hall 1847
80, 36, fig. 12b. (Ord., Weston/Toronto)

Orthoceras multicameratum Emmons 1842
80, 36, fig. 12a.
fig. 12a AUGD 5026 (Ord., Ontario)

MOLLUSCA: BIVALVIA

Ambonychia radiata Hall 1847
80, 35, fig. 11d.
fig. 11d, d' AUGD 4518 ? (Ord., Weston/Toronto)

Cleidophorus planulatus (Conrad 1841)
80, 36, fig. 11c. (Ord., Toronto)

Conocardium trigonale (Hall 1843)
71, 113-4, fig. 50 (copy)

Lyrodesma poststriata (Emmons 1842)
80, 36, fig. 11b.
fig. 11b, b' AUGD 4419 (Ord., Weston)

Megalomus canadensis Hall 1852
80, 68, fig. 39.
fig. 39a, b RSM 1875.1.96 (Sil., Ontario)
c BMNH 73876 ? (Sil., Ontario)

Megalomus compressus Nicholson & Hinde 1874
67, 143*-4*, fig. 6A, B. (Sil., Hespeler)
80, 69-70, fig. 40 (= 67, fig. 6).
174, fig. 586 (= 67, fig. 6).
Note: I have found no Nicholson material of this species.

Modiolopsis curta Hall 1847
80, 35, fig. 11a. (Ord., Weston)

Myalina crassa (Fleming 1828)
174, fig. 578
fig. 578 AUGD 8933 (Carb., Cults)

Sphaerulites (Radiolites) mortoni (Mantell 1833)
174, fig. 614.
fig. 614A RSM slide 1968.15. 'unreg. 1'
(Cret., Cambridge)

MOLLUSCA: ROSTROCONCHA

Pinnocaris lapworthi Etheridge 1878
129, 210, pl. 14, figs. 17-20.
pl. 14, fig. 17 BMNH In20366 (Ord., Balclatchie)
18 BMNH In20367 (Ord., Balclatchie)
19 BMNH In20368 (Ord., Balclatchie)
20 BMNH In20422 ? (Ord., Balclatchie)

ARTHROPODA: TRILOBITOMORPHA

Acidaspis sp. Murchison 1839
123, 129-30, fig. 7C.
fig. 7C BMNH In22831 (Sil., Mulloch Hill)
130-1, fig. 7A.
fig. 7A BMNH In23123 (Ord., Balclatchie)
129, 206, pl. 14, fig. 14.
pl. 14, fig. 14 GSE 5776 (Sil., Bargany Pond)

Acidaspis callipareos Wyville Thomson 1857
123, 125-6. (Mulloch Hill)

Acidaspis erinaceus Marr & Nicholson 1888
156, 723, pl. 16, figs. 11, 12.
pl. 16, fig. 11, SM A4874 (Sil., Torver Beck)
12, SM A4875 (Sil., Torver Beck)
Nicholson material: ENGLAND, Torver Beck,
Westmorland (SM A4874, 5).

Acidaspis grayae Etheridge 1878
123, 126-9, pl. 8, fig. 26, pl. 9, figs. 1-7.
pl. 8, fig. 26 BMNH In23108 (Ord., Balclatchie)
pl. 9, fig. 1 BMNH In23112 (Ord., Balclatchie)
2 BMNH In23113 (Ord., Balclatchie)
3 BMNH In23111 (Ord., Balclatchie)
4, 4a BMNH In23114 (Ord., Balclatchie)
5a, b BMNH In23109 (Ord., Balclatchie)
6 BMNH In23116 (Ord., Balclatchie)
7 BMNH In23117 (Ord., Balclatchie)

Acidaspis hystrix Wyville Thomson 1857
123, 123-5, pl. 8, figs. 23-25.
pl. 8, fig. 23 BMNH In23118 (Ord., Balclatchie)
24 BMNH In23120 (Ord., Balclatchie)
25 BMNH In23119 (Ord., Balclatchie)

Acidaspis lalage Wyville Thomson 1857
123, 121-3, pl. 8, figs. 17-22.
pl. 8, fig. 17 BMNH In23125 (Ord., Balclatchie)
18 BMNH In23115 (Ord., Balclatchie)
19 BMNH In23131 (Ord., Balclatchie)
20 BMNH In23128 (Ord., Balclatchie)
21 BMNH In23126 (Ord., Balclatchie)
22 BMNH In23127 (Ord., Balclatchie)

Agnostus agnostiformis (M'Coy 1846)
129, 200-1, pl. 14, fig. 6.
pl. 14, fig. 6 BMNH In20605-7 (Ord., Balclatchie)
Note: BMNH In20605-8 are borne on a tablet on the
back of which is a label: 'Drawn from 3 specimens'.

Agnostus americanus Billings 1860
129, 298, (locality ?)

- Agnostus perrugatus* Barrande 1852
 129, 296-9, pl. 20, figs. 6, 7.
 pl. 20, fig. 6 BMNH In20621 (Ord., Whitehouse)
 7 BMNH In20624 (Ord., Whitehouse)
- Ampyx* sp. ind.
 129, 206-7, pl. 14, fig. 16 (Ord., Balcletchie)
- Ampyx (Raphiophorus) aloniensis* Marr & Nicholson 1888
 156, 724-5, pl. 16, fig. 17.
 pl. 16, fig. 17 SM A40327 (Sil., Skelgill)
 Nicholson material: ENGLAND Skelgill, Westmorland
 (SM A40327).
- Ampyx hornei* Etheridge & Nicholson 1879
 129, 184-8, pl. 13, figs. 4-8.
 pl. 13, fig. 4 BMNH In20829 (Ord., Balcletchie)
 5 BMNH In20830 (Ord., Balcletchie)
 6 BMNH In20831 (Ord., Balcletchie)
 7 BMNH In20832 (Ord., Balcletchie)
 8 BMNH In20833 (Ord., Balcletchie)
 Nicholson material: SCOTLAND, Balcletchie, Ayrshire
 (BMNH In20829-33 (Gray Coll.); GSM 4232, 32989-92
 (Gray Coll.)).
 Note: pl. 13, fig. 5: 'drawn from 2 specimens' - figure
 could be based on BMNH In20830 with details from
 GSM 4323, 3289-92.
- Ampyx maccalumi* Etheridge & Nicholson 1879
 129, 180-3, pl. 13, figs. 9-12.
 pl. 13, fig. 9 BMNH In20844/5 (Ord., Balcletchie)
 10 BMNH In20846 (Ord., Balcletchie)
 11, 11a BMNH In20847 (Ord., Balcletchie)
 12 BMNH In20848 (Ord., Balcletchie)
 Nicholson material: SCOTLAND, Balcletchie, Ayrshire
 (BMNH In20844-8 (Gray Coll.)).
- Ampyx macconochiei* Etheridge & Nicholson 1879
 129, 183-4, pl. 14, fig. 1.
 pl. 14, fig. 1 BMNH In20679 (Ord., Balcletchie)
 133, 288, pl. 19, fig. 9 ('*Trinucleus macconochiei*').
 pl. 19, fig. 9 BMNH In20679
 Nicholson material: SCOTLAND, Balcletchie, Ayrshire
 (BMNH In20679 (Gray Coll.)).
- Ampyx rostratus* Sars 1853
 129, 178-80, pl. 12, figs. 14, 15, pl. 13, figs. 1-3.
 pl. 12, figs. 14, 15 GSM 35665 (Ord., Drummuck)
 pl. 13, fig. 1 BMNH In20812 (Ord., Drummuck)
 2, 2a BMNH In20813 (Ord., Drummuck)
 3 BMNH In20815 (Ord., Drummuck)
- Asaphus* sp.
 129, 154, pl. 10, fig. 20.
 pl. 10, fig. 20 BMNH In20836 (Ord., Balcletchie)
- Asaphus canadensis* Chapman 1856
 174, fig. 380C. (locality ?)
- Asaphus gigas* (De Kay 1824)
 129, 153-4, pl. 10, figs. 18-20 (fig. 20: *Asaphus* sp. q.v.).
 pl. 10, fig. 18 cf. BMNH In47384 (Ord., Balcletchie)
 19 GSM 12790 (Ord., Ardmillan Brae)
 Note: label of BMNH In47384 reads 'Dow Hill'.
- Asaphus radiatus* Salter 1866
 129, 153, pl. 10, fig. 17.
 pl. 10, fig. 17 GSM 12835 (Sil., Penwhapple Burn)
- Bronteopsis scotica* Etheridge & Nicholson 1879 (Salter MS)
 129, 167-9, pl. 10, figs. 21, 22, pl. 11, figs. 1-5.
 pl. 10, fig. 21 BMNH In22695 (Ord., Balcletchie)
 22 GSM 35607 (Ord., Balcletchie)
 pl. 11, fig. 1 BMNH In22692 (Ord., Balcletchie)
 2 BMNH In22690 (Ord., Balcletchie)
 3 BMNH In22696 (Ord., Balcletchie)
 4 GSM 35608 (Ord., Balcletchie)
 5 BMNH In22691 (Ord., Balcletchie)
 Nicholson material: SCOTLAND, Balcletchie, Ayrshire
 (BMNH In22690-2, 5-6 (Gray Coll.); GSM 35607-8
 (Coll. R. Gibbs)).
 Note: pl. 10, fig. 21 is mistakenly given as '22' on the
 plate.
- Bronteus* sp. ind.
 129, 165-6, pl. 12, fig. 6.
 pl. 12, fig. 6 BMNH In22672 (Ord., Craighead)
- Bronteus andersoni* Etheridge & Nicholson 1879
 129, 162-5, pl. 12, figs. 3-5.
 pl. 12, fig. 3 BMNH In22650 (Sil., Penkill)
 4 BMNH In22651 (Sil., Penkill)
 5 HM A138 (Sil., Penkill)
 Nicholson collection: SCOTLAND, Penkill, Ayrshire
 (BMNH In22650-1 (Gray Coll.); HM A138 (Gray Coll.)).
 Note: pl. 12, fig. 3, supposedly drawn from 2 specimens
 - only one found.
- Calymene blumenbachii* Brongniart 1822
 129, 140-5, pl. 10, figs. 2-6.
 pl. 10, fig. 2 BMNH In23368 (Ord., Drummuck)
 3 BMNH In23369 (Ord., Drummuck)
 4, 4a BMNH In23370 (Ord., Drummuck)
 5 BMNH In23371 (Ord., Drummuck)
 6 BMNH In23330 (Sil., Mulloch Hill)
- Calymene senaria* Conrad 1841
 174, fig. 380A, B. (locality ?)
- Cheirurus* sp. ind.
 123, 104, pl. 7, fig. 9.
 pl. 7, fig. 9, 9a BMNH In23445 (Ord., Drummuck)
 107, pl. 7, fig. 18.
 pl. 7, fig. 18 BMNH In21109 (Ord., Drummuck)
- Cheirurus* (?) sp. ind.
 123, 107, pl. 7, fig. 19.
 pl. 7, fig. 19 BMNH In20989 (Ord., Balcletchie)
 129, 203-4, pl. 14, figs. 11, 12.
 pl. 14, fig. 11 BMNH In20993 (Ord., Balcletchie)
 12 BMNH In23296 (Ord., Balcletchie)
- Cheirurus bimucronatus* Murchison 1864
 123, 100.
 129, 202, pl. 14, fig. 9.
 pl. 14, fig. 9 GSE 5732 (Ord., Drummuck)

- Cheirurus bimucronatus* var. *acanthodes* Marr & Nicholson 1888
 156, 722, pl. 16, figs. 7, 8.
 pl. 16, fig. 7 SM A40328 (Sil., Skelgill)
 8 SM A40329 (Sil., Skelgill)
 Nicholson material: ENGLAND, Skelgill, Westmorland (SM A40328-9).
 LECTOTYPE: SM A40328, Lane 1971:39.
- Cheirurus clavifrons* (Dalman 1826)
 123, 101-4, pl. 7, figs. 7, 8.
 pl. 7, figs. 7, 8, 8a BMNH In23436 (Ord., Drummuck)
 129, 202-3, pl. 14, fig. 10. - 10b. (Ord., Drummuck)
- Cheirurus gelasinus* Portlock 1864
 123, 100-1, pl. 7, figs. 5, 6.
 pl. 7, fig. 5 BMNH In23457 (Ord., Balclatchie)
 6 BMNH In23458 (Ord., Balclatchie)
- Cheirurus (Pseudosphaerexochus) moroides* Marr & Nicholson 1888
 156, 722-3, pl. 16, figs. 9-10.
 pl. 16, fig. 9 SM A40325 (Sil., Skelgill)
 10, 10a SM A40326 (Sil., Skelgill)
 Nicholson material: ENGLAND, Skelgill, Westmorland (SM A40325-6 (Harkness Coll.)).
- Cheirurus trispinosus* Young 1868
 123, 105-6, pl. 7, figs. 10-17 (17: copy).
 pl. 7, fig. 10 BMNH In23491 (Sil., Penkill)
 11 BMNH In23492 (Sil., Penkill)
 12 BMNH In23493 (Sil., Penkill)
 13, 13a BMNH In23494 (Sil., Penkill)
 14 BMNH In23496 (Sil., Penkill)
 15, 16 BMNH In23496 (Sil., Penkill)
- Cybele rugosa* (Portlock 1843)
 123, 112-4, pl. 8, figs. 5-7.
 pl. 8, fig. 5 BMNH In23274 (Ord., Drummuck)
 6a, b BMNH In23275 (Ord., Drummuck)
 7 BMNH In23276 (Ord., Drummuck)
 129, 205-6, pl. 14, fig. 13 (= 123, pl. 8, fig. 5).
- Cybele verrucosa* (Dalman 1826)
 123, 111, fig. 5c. (Ord., Balclatchie)
- Cyclopyge armata* Barrande 1852
 133, 286-7, pl. 19, figs. 5-8.
 pl. 19, fig. 5 BMNH In21624 (Ord., Whitehouse)
 6 BMNH In21625 (Ord., Whitehouse)
 7 BMNH In21626 (Ord., Whitehouse)
 8 BMNH In21625 (Ord., Whitehouse)
- Cyclopyge rediviva* Barrande 1846
 133, 284-6, pl. 19, fig. 4.
 pl. 19, fig. 4 BMNH In21650 (Ord., Whitehouse)
- Cyphaspis megalops* M'Coy 1862
 129, 140. (Sil., Mulloch Hill)
- Dalmanites boothii* (Green 1837)
 71, 123, fig. 56c. (Dev., Widder/Arkona)
- Dindymene cordai* Etheridge & Nicholson 1878
 123, 115-7, fig. 5A, B, pl. 8, fig. 8.
 pl. 8, fig. 8 BMNH In23310 (Ord., Drummuck)
 Nicholson material: SCOTLAND, Drummuck, Ayrshire, (BMNH In23310 (Gray Coll.)).
- Dionide* sp. ind.
 133, 393-6, pl. 20, figs. 2-5.
 pl. 20, fig. 2 BMNH In20974 (Ord., Whitehouse)
 3 BMNH In20965 (Ord., Whitehouse)
 4 BMNH In22814 (Ord., Whitehouse)
 5 BMNH In20972 (Ord., Whitehouse)
- Dionide lapworthi* Etheridge & Nicholson 1880
 133, 290-3, pl. 20, fig. 1.
 pl. 20, fig. 1 BMNH In20964 (Ord., Whitehouse)
 Nicholson material: SCOTLAND, Whitehouse, Ayrshire (BMNH In20964 (Gray Coll.)).
- Encrinurus punctatus* var. *arenosus* Salter 1853
 123, 109-10, pl. 8, figs. 1-4.
 pl. 8, fig. 1 BMNH In23205 (Sil., Penkill)
 2 BMNH In23210 (Sil., Mulloch)
 3 BMNH In23206 (Sil., Penkill)
 4 BMNH In23161 (Ord., Craighead)
 Note: Apparently BMNH In23210 is from Penkill, rather than Mulloch (Y. Howells, pers. comm. May 1977).
- Encrinurus punctatus* var. *calcareus* Salter 1853
 123, 108. (Sil., Penkill)
 129, 205, pl. 10, fig. 7.
 pl. 10, fig. 7 BMNH In23207 (Sil., Penkill)
- Harpes angustus* Marr & Nicholson 1888
 156, 724, pl. 16, figs. 15, 16.
 pl. 16, fig. 15 SM A10977 (Sil., Skelgill)
 16 SM A10978 (counterpart) (Sil., Skelgill)
 Nicholson material: ENGLAND, Skelgill, Westmorland (SM A10977-8 (Harkness Coll.)).
- Harpes judex* Marr & Nicholson 1888
 156, 723-4, pl. 16, figs. 13, 14.
 pl. 16, fig. 13 SM A10979 (Sil., Skelgill)
 14, a SM A10980 (Sil., Skelgill)
 Nicholson material: ENGLAND, Skelgill, Westmorland (SM A10979-80 (Harkness Coll.)).
 LECTOTYPE: SM A10979a, b: Whittington 1950: 45.
- Iliaenus aemulus* Salter 1867
 129, 157-8, pl. 11, fig. 10; pl. 12, figs. 12, 13.
 pl. 11, fig. 10 BMNH In21712 (Sil., Penkill)
 11 BMNH In21714 (Sil., Penkill)
 12 BMNH In21713 (Sil., Penkill)
- Iliaenus bowmani* Salter 1867
 129, 155-6, pl. 11, figs. 6-8.
 pl. 11, fig. 6 BMNH In21722 (Ord., Balclatchie)
 7 BMNH In21723 (Ord., Balclatchie)
 8 HM A136 (Ord., Balclatchie)
- Iliaenus crassicauda* (Wahlenberg 1821)
 129, 160. (Sil., Knockdolian)
- Iliaenus davisii* Salter 1867
 129, 159. (Ord., Stinchar River)
- Iliaenus maccalumi* Salter 1867
 129, 162, pl. 12, fig. 2.

- pl. 12, fig. 2 BMNH In21797
(Sil., Mulloch Hill)
- Illaenus murchisoni* Salter 1867
129, 161, pl. 12, fig. 1.
pl. 12, fig. 1 BMNH In21868 (Sil., Penkill)
- Illaenus nexilis* Salter 1867
129, 158-9, pl. 11, figs. 11-13.
pl. 11, fig. 11 GSE 540 (Ord., Drummuck)
12 BMNH In21870 (Sil., Penkill)
13 BMNH In21710 (Sil., Penkill)
- Illaenus rosenbergii* Eichwald 1840
129, 159-60, pl. 11, fig. 14.
pl. 11, fig. 14 HM A137 (Sil., Mulloch Hill)
Note: Locality probably not Mulloch Hill (Y. Howells, pers. comm. May 1977); possibly Woodland Point (R. Tripp, pers. comm. May 1977).
- Illaenus thomsoni* Salter 1866
129, 156-7, pl. 11, fig. 9.
pl. 11, fig. 9 BMNH In21858 (Ord., Drummuck)
- Lichas* sp. ind.
123, 135, pl. 9, figs. 13, 14.
pl. 9, figs. 13, 14 BMNH In22782
(Ord., Drummuck)
- Lichas barrandei* Fletcher 1850
123, 132-3, pl. 9, fig. 8.
pl. 9, fig. 8 GSM 16192 (Sil., Mulloch Hill)
- Lichas geikiei* Etheridge & Nicholson 1879
129, 137-9, pl. 10, fig. 1.
pl. 10, fig. 1 GSE 5731 (Ord., Drummuck)
Nicholson material: SCOTLAND, Drummuck, Ayrshire (GSE 5731).
- Lichas grayii* Fletcher 1850
123, 134-5, pl. 9, figs. 11, 12.
pl. 9, fig. 11, 12 BMNH In22726
(Sil., Mulloch Hill)
- Lichas hibernicus* Portlock 1843
123, 133-4, pl. 9, figs. 9, 10.
pl. 9, fig. 9, 9a BMNH In22799 (Ord., Craighead)
10 BMNH In22802 (Ord., Balclatchie)
- Lichas laxatus* M'Coy 1848
123, 131. (Ord., Lower Thraive)
- Phacops brongniarti* Portlock 1864
123, 99, pl. 7, figs. 1, 2; pl. 14, figs. 7, 8.
pl. 7, fig. 1 GSM 19105 (Ord., Ardmillan Brae)
2 BMNH In23568 (Sil., Mulloch Hill)
pl. 14, fig. 7 GSE 5734 (Ord., Drummuck)
8 BMNH In23552
(Ord., Ardmillan Brae)
- Phacops elegans* Sars & Boeck
156, 720-1, pl. 16, figs. 1-3.
pl. 16, fig. 1 SM A40310 (Sil., Skelgill)
1a SM A40311 (Sil., Skelgill)
2 SM A40313 (Sil., Skelgill)
3 SM A40312a (Sil., Skelgill)
3a SM A40312b (Sil., Skelgill)
3b SM A40312a (Sil., Skelgill)
- Phacops elegans* var. *glabra* Marr & Nicholson 1888
156, 721, pl. 16, fig. 4.
pl. 16, fig. 4 SM A40320 (Sil., Skelgill)
Nicholson material: ENGLAND, Skelgill, Westmorland (SM A40320 (Harkness Coll.)).
- Phacops (Dalmanites) mucronata* (Brongniart 1822)
156, 721-2, pl. 16, figs. 5, 6.
pl. 16, fig. 5 SM A35392 (Sil., Browgill)
6 SM A35393 (Sil., Browgill)
- Phacops rana* (Green 1832)
71, 123-4, fig. 56a. (Dev., Widder/Arkona)
- Phacops stokesii* Edwards 1864
123, 98. (Sil., Mulloch)
- Phacops truncatocaudata* Portlock 1864
123, 99-100, pl. 7, figs. 3, 4.
pl. 7, fig. 3 BMNH In20970 (Ord., Drummuck)
4 BMNH In20971 (Ord., Drummuck)
133, 393 (= *Dionide* sp. ind.).
- Proetus* (?) or *Acidaspis* (?) sp. ind.
129, 206, pl. 14, fig. 15.
pl. 14, fig. 15 GSE 5774 (Sil., Bargany Pond)
- Proetus brachypygus* Marr & Nicholson 1888
156, 725, pl. 16, figs. 18, 19.
pl. 16, fig. 18 SM A40323 (Sil., Skelgill)
19 SM A40324 (Sil., Pull Beck)
Note: These figures are reversed when compared with the specimens.
Nicholson material: ENGLAND, Pull Beck, Westmorland (SM A40324 (Harkness Coll.)), Skelgill, Westmorland (SM A40323 (Harkness Coll.)).
- Proetus crassimarginatus* (Hall 1843)
71, 123, fig. 56b.
fig. 56b RSM 1875.1.91 ? (Dev., Ontario)
- Proetus girvanensis* Etheridge & Nicholson 1879
129, 169-74, pl. 12, figs. 7-10.
pl. 12, fig. 7-7d GSM 35612 (Ord., Drummuck)
8 GSE 5733 (Ord., Drummuck)
9, 9a BMNH In21925 (Ord., Drummuck)
10 BMNH In21926 (Ord., Drummuck)
Nicholson material: SCOTLAND, Drummuck, Ayrshire (BMNH In21925-6 (Gray Coll.); GSM 35612; GSE 5733);
LECTOTYPE: BMNH In21926: Přibyl 1964:42.
PARALECTOTYPES: GSM 35612, BM In21925.
- Proetus procerus* Etheridge & Nicholson 1879
129, 174-6, pl. 12, fig. 11.
pl. 12, fig. 11, 11a BMNH In21942 (Ord., Drummuck)
Nicholson material: SCOTLAND, Drummuck, Ayrshire (BMNH In21942 (Gray Coll.)).
- Remopleurides* sp. ind. (a, b)
129, 149-50, pl. 10, figs. 9, 12.
pl. 10, fig. 9, 9a BMNH In21162 (Ord., Drummuck)
12 BMNH In21006 (Ord., Balclatchie)
- Remopleurides (Caphyra) barrandii* Etheridge & Nicholson 1879

- 129, 151-3, pl. 10, figs. 13-16, pl. 11, fig. 16.
 pl. 10, fig. 13 BMNH In21004 (Ord., Balcletchie)
 14 BMNH In21064 (Ord., Balcletchie)
 15 BMNH In21065 (Ord., Balcletchie)
 16 BMNH In21063 (Ord., Balcletchie)
 pl. 11, fig. 16 BMNH In21029
 (Ord., Balcletchie; label reads Ardmillan)
 Nicholson material: SCOTLAND, Balcletchie, Ayrshire
 (BMNH In21004, In21063-5 (Gray Coll.)), Ardmillan,
 Ayrshire (BMNH In21029 (Gray Coll.))
- Remopleurides colbii* Portlock 1843
 129, 146-9, pl. 10, fig. 8.
 pl. 10, fig. 8, 8a BMNH In21038
 (Ord., Drummuck)
- Remopleurides laterispirifer* Portlock 1843
 129, 149, pl. 10, figs. 10, 11, pl. 11, fig. 15.
 pl. 10, fig. 10 BMNH In21141 (Ord., Ardmillan)
 11 BMNH In21142 (Ord., Ardmillan)
 pl. 11, fig. 15 BMNH In21140 (Ord., Ardmillan)
- Salteria primaeva* Wyville Thomson 1864
 129, 199, pl. 14, fig. 5.
 pl. 14, fig. 5 HM A139 (Ord., Balcletchie)
- Sphaerexochus mirus* Beyrich 1864
 123, 107-8, pl. 7, fig. 20.
 pl. 7, fig. 20 BMNH In23519 (Ord., Balcletchie)
- Staurocephalus* (?) sp. ind.
 133, pl. 19, fig. 3.
 pl. 19 fig. 3 BMNH In23316 (Ord., Whitehouse Bay)
- Staurocephalus globiceps* Salter 1865
 123, 117. (Ord., Ardmillan)
- Staurocephalus nodulosus* Salter 1865
 123, 121. (Ord./Sil., Ayrshire)
- Staurocephalus* (?) *unicus* Wyville Thomson 1857
 123, 118-21, fig. 6, pl. 8, figs. 9-16.
 fig. 6A, B BMNH In23485 (Sil., Shalloch Mill)
 pl. 8, fig. 9 BMNH In23471 (Ord., Balcletchie)
 10 BMNH In23454 (Ord., Balcletchie)
 11 GSM 35465 (Ord., Penwhapple)
 12 BMNH In23474 (Ord., Balcletchie)
 13, 13a BMNH In23475/It8659
 (Sil., Penkill)
 14, 14a BMNH In23476
 (Ord., Balcletchie)
 15 BMNH In23477 (Ord., Balcletchie)
 16 BMNH In23478 (Ord., Balcletchie)
- Trinucleus* sp. ind. (a-d)
 129, 198, 288-9, pl. 14, figs. 2-4; pl. 19, fig. 10
 pl. 14, fig. 2 BMNH In20716 (Sil., Shalloch Mill)
 3 BMNH In20723 (Sil., Shalloch Mill)
 4 BMNH In20733 (Sil., Shalloch Mill)
 pl. 19, fig. 10 BMNH In20741 (Ord., Whitehouse)
- Trinucleus concentricus* (Eaton) Salter 1867
 129, 198 (Sil., Mulloch)
- Trinucleus macconochiei* (Etheridge & Nicholson 1879) (see
Ampyx macconochiei)
- Trinucleus seticornis* var. *bucklandi* Barrande 1846
 129, 190-7, pl. 13, figs. 13-20, pl. 20, fig. 11.
 pl. 13, fig. 13 BMNH In20648 (Ord., Drummuck)
 14 GSM 26017 ?
 (Ord., Pomeroy) (Portlock Coll.)
 15-15b BMNH In20652
 (Ord., Drummuck)
 16 BMNH In20653 (Ord., Drummuck)
 17 BMNH In20654 (Ord., Drummuck)
 18 BMNH In20655 (Ord., Drummuck)
 19 GSM 26016 (Ord., Drummuck)
 20 BMNH In20649 (Ord., Drummuck)
 pl. 20, fig. 11 BMNH In20653 (Ord., Drummuck)
- ARTHROPODA: CHELICERATA: MEROSTOMATA/
 ARACHNIDA**
- Limulus* sp. Müller 1785
 174, 547, fig. 411A, B. (Recent)
 'Scorpion'
 174, 573, fig. 430A-D.
 fig. 430C, D AUGD slide 03203 (Carb., Scotland)
- ARTHROPODA: CHELICERATA: CRUSTACEA:
 OSTRACODA**
- Beyrichia comma* Jones in Nicholson & Etheridge 1879
 129, 219-20, pl. 15, fig. 9.
 pl. 15, fig. 9a-c BMNH In20008
 (Ord., Thraive Glen)
- Beyrichia impendens* Jones 1869
 129, 219, pl. 15, fig. 10.
 pl. 15, fig. 10a-c GSE (not found)
 (Sil., Blair House)
- Beyrichia kloedeni* M'Coy 1846
 129, 218, pl. 15, fig. 8a, b.
 pl. 15, fig. 8a BMNH In19996
 (Ord., Thraive Glen)
- Cythere aldensis* (M'Coy 1851)
 129, 216, pl. 15, figs. 1-3.
 pl. 15, fig. 1a-c BMNH In19999 (Ord., Aldens)
 2a-b BMNH In19998 (Ord., Aldens)
- Cythere aldensis* var. *major* Jones in Nicholson & Etheridge
 1879
 129, 216-7, pl. 15, fig. 4.
 pl. 15, fig. 4a-c BMNH In19995 (Ord., Aldens)
- Cythere grayana* Jones in Nicholson & Etheridge 1879
 129, 217, pl. 15, figs. 5, 6.
 pl. 15, fig. 5a, b BMNH In19995 (Ord., Aldens)
 6a, b BMNH In 19994 (Ord., Aldens)
- Cythere ? punctulifera* (Hall 1861)
 71, 124. (Dev., Widder)
- Cythere wrightiana* Jones & Holl 1868
 129, 217, pl. 15, fig. 7.
 pl. 15, fig. 7a-b BMNH In19995 (Ord., Aldens)
- Entomis globulosa* Jones in Nicholson & Etheridge 1879
 129, 223, pl. 15, fig. 12.
 pl. 15, fig. 12a, b GSE 10803 (Sil., Blair Farm)

Primitia barrandiana Jones in Nicholson & Etheridge 1879
129, 220-3, pl. 15, fig. 11.

pl. 15, fig. 11a BMNH In20002 (Ord., Aldens)
b BMNH In20002 (Ord., Aldens)
c BMNH In20002 (Ord., Aldens)
d, e BMNH In20002 (Ord., Aldens)
f BMNH In20002 (Ord., Aldens)

ARTHROPODA: CHELICERATA: CRUSTACEA: MALACOSTRACA

Caryocaris sp. Salter 1863
49, 143. (Ord., Point Lévis)

Dictyocaris sp. ind.
129, 212-3 (Sil., Knockgardner)

Discinocaris browniana H. Woodward 1866 (see MOLLUSCA:
CEPHALOPODA)

Peltocaris sp. ind. (? mollusc)
129, 212, pl. 14, fig. 21.
pl. 14, fig. 21 GSE 5973 (Sil., Penwhapple Burn)

Pinnocaris lapworthi Etheridge 1878 (see MOLLUSCA:
ROSTROCONCHA)

ECHINODERMATA

'Echinoderm plate'
174, fig. 236A
fig. 236A AUGD slide 02409 (Carb., Scotland)

'Crinoids'
133, 326-34, pl. 22, figs. 1-8, 13-19. (Ord., Girvan)

Antedon sp.
174, 410, fig. 285. (Recent?)

Glyptocrinus globularis Nicholson & Etheridge 1880
133, 329-30, pl. 22, figs. 9-12.
pl. 22, fig. 9 BMNH E46894? (Ord., Craighead)
10 BMNH E46890? (Ord., Craighead)
11 BMNH E46892? (Ord., Craighead)

Note: A tablet found associated loosely with BMNH
E46890-46910 bears a label reading: 'Girvan Mon.
Pl XXII figs. 9-10-11'. These specimens are now named
Diabolocrinus globularis (Nicholson & Etheridge) by
Ramsbottom 1961; 28.

Lepidocentrus sp.
174, fig. 236B. (Dev., Eifel)

Myelodactylus sp. ind.
133, 333, pl. 21, figs. 11, 12.
pl. 21, fig. 11 BMNH E49930 (Sil., Penkill)
12 BMNH E49930 (Ord., Balclatchie)

Ophioglypha lacertosa (Lamarck 1801)
174, 400, fig. 276.
fig. 276A-C AUGD 9203 (Recent)

Tetraster sp. ind.
133, 325-6, pl. 21, figs. 9, 10. (Sil., Thraive Glen)

Tetraster wyvillethomsoni Etheridge & Nicholson 1880
133, 324-5, pl. 21, figs. 1-8.
pl. 21, fig. 1, 2 BMNH E52673 (Sil., Thraive Glen)
2, 3 BMNH E52542 (Sil., Thraive Glen)
5, 6 BMNH E52674 (Sil., Thraive Glen)
Nicholson material: SCOTLAND, Thraive Glen,
Ayrshire (BMNH E52542, E52673-4 (Gray Coll.)).

ECHINODERMATA ? : MACHAERIDIA

Turrilepas peachii Etheridge & Nicholson 1880
133, 301-2, pl. 20, figs. 8-10.
pl. 20, fig. 8 BMNH In23650 (Ord., Whitehouse)
9 BMNH In20964 (Ord., Whitehouse)
10 BMNH In23651 (Ord., Whitehouse)
Nicholson material: SCOTLAND, Whitehouse, Ayrshire
(BMNH In20964, 23650-1 (Gray Coll.)).

Turrilepas scotica Etheridge 1878
129, 214-5, pl. 14, figs. 22-27.
pl. 14, fig. 22 BMNH In23675 (Ord., Balclatchie)
23 BMNH In23674 (Ord., Balclatchie)
24 BMNH In23676 (Ord., Balclatchie)
25 BMNH In23708 (Ord., Balclatchie)
26 BMNH In23677 (Ord., Balclatchie)

Note: 'original [of fig. 27] cannot be traced:' Withers
1926:65.

GRAPTOLITHINA: DENDROIDEA

Dendrograptus hallianus (Prout 1851)
9, pl. 3, figs. 16, 17 (copy).
10, 142-3, pl. 5, figs. 6, 7. (Ord., Ellergill)
37, fig. 38 = fig. 67 (copy).

Dictyonema grandis Nicholson 1873
49, 134-6, fig. 1.
fig. 1 BMNH P1967 (A,B) (Ord., Point Lévis)
Nicholson material: CANADA; Point Lévis, Quebec
(BMNH 56634 (6), P1967 (4); AUGD 2375 (3),
2576, 2826).

Dictyonema socialis Salter 1857
37, fig. 70.
fig. 70 BMNH H3054/P1966/56615? (locality?)

Ptilograptus sp. Hall 1865
12, 238-41, figs. 4, 5. (Sil., Bow Bridge)
37, 126-7, fig. 66 (copy).

Ptilograptus anglicus Nicholson 1868
12, 239-40, figs. 1-3.
fig. 1-3 BMNH 38566??
(Sil., Bow Bridge; label reads Leintwardine)
Nicholson material: ENGLAND, Bow Brig, Ludlow,
Shropshire (BMNH P2071), Leintwardine, Hereford
(BMNH 38566).

GRAPTOLITHINA: GRAPTOLOIDEA

Graptogonophores ('ovarian vesicles of graptolites')
Nicholson wrote several papers on supposed egg-cases
of graptolites (4, 5, 6, 7, 9, 11, 37, 49). He named them
Dawsonia in 1873. Some of them may be small
brachiopods.
The name *Dawsonia* was misused by U.P. James for a
trace fossil (*Lockeia*), but, being carbonaceous, it cannot

- be synonymous with the latter (Häntzschel, 1965:53; 1975:W79; Osgood, 1970:308-312).
- 4, pl. 17, figs. 1, 2, 4, 5.
pl. 17, fig. 1, 1a BMNH P2082 ? (Sil., Garple Linn)
- 5, 111-2, pl. 7, figs. 22-24.
pl. 7, fig. 22 BMNH P2025 ? (Sil., Dumfriesshire)
23 BMNH P2025 ? (Sil., Dumfriesshire)
24 BMNH P2025 ? (Sil., Dumfriesshire)
- 8, 259-61, pl. 11, figs. 8-11, 17-19.
(Sil., Dobb's Linn ?)
17 BMNH Q53 ?
(Sil., Hart Fell)
18 BMNH Q53 ?
(Sil., Hart Fell)
19 BMNH Q53 ?
(Sil., Hart Fell)
- Dawsonia acuminata* Nicholson 1873
49, 140-1, fig. 3a.
fig. 3a, a' BMNH P1985 ? (Ord., Point Lévis)
Nicholson material: CANADA, Point Lévis, Quebec (BMNH P1985 (7)).
- Dawsonia campanulata* Nicholson 1873
49, 142-3, fig. 3e, f. (South Scotland)
Note: I have found no Nicholson material of this species.
- Dawsonia rotunda* Nicholson 1873
49, 141, fig. 3b.
fig. 3b, b' BMNH P1982 ? (Ord., Point Lévis)
Nicholson material: SCOTLAND, Garple Linn, Dumfriesshire (BMNH P1983 (9)); CANADA, Point Lévis, Quebec (BMNH P1982 (4)).
- Dawsonia tenuistriata* Nicholson 1873
49, 141-2, fig. 3c, d.
fig. 3c, c' BMNH P1984 ? (Ord., Point Lévis)
d, d' BMNH P1984 ? (Ord., Point Lévis)
Nicholson material: CANADA, Point Lévis, Quebec (BMNH P1984 (4)).
- Azygograptus lapworthi* Nicholson 1875
87, 269-70, pl. 7, fig. 2-2c. (Ord., Hodgson-How quarry)
Nicholson material: ENGLAND, Barff, Cumberland (BMNH P1938 (2); AUGD 2538).
Note: Strachan 1971:18 states: 'Nicholson's original slab has not yet been recognised.'
- Climacograptus antennarius* (Hall 1865)
10, 139 ('*Diplograpsus*').
30, 382-4, fig. 6a(copy)-c.
fig. 6c BMNH P1948 ('144) (Ord., Outerside)
- Climacograptus bicornis* (Hall 1847)
9, pl. 3, figs. 8-10 ('*Diplograpsus*') (10: copy).
pl. 3, fig. 8 BMNH P1945 ? (locality ?)
9 BMNH P1943 ? (Sil., Glenkiln Burn)
30, 280-2, fig. 5a-d (a, d: copies)
fig. 5b BMNH P1943 (Sil., Glenkiln Burn)
c BMNH P1947 ? (Sil., Dumfriesshire)
37, fig. 29 (= 30, fig. 5).
- Climacograptus innotatus* Nicholson 1869
24, 238-9, pl. 11, figs. 16, 17.
pl. 11, fig. 16, 17 BMNH P1949 ?
(Sil., Dobb's Linn)
- 30, 384.
Nicholson material: SCOTLAND, Dobb's Linn, Dumfriesshire (BMNH P1834, P19494).
Note: Strachan 1971:33 states: 'Nicholson's original has not yet been traced.'
LECTOTYPE: original of 1869, pl. 11, fig. 16: Příbyl, 1948:48.
- Climacograptus normalis* Lapworth 1877
174, fig. 105A-E. (Sil.)
- Climacograptus teretiusculus* (Hisinger 1840)(see *Diplograptus teretiusculus*)
- Climacograptus tuberculatus* Nicholson 1869.
23, 224 (mention only).
24, 239, pl. 11, fig. 18.
pl. 11, fig. 18 BMNH Q1360 (Sil., Dobb's Linn)
30, 384.
Nicholson material: SCOTLAND, Dobb's Linn, Dumfriesshire (BMNH P1950, P7770-5, Q1360-4, Q1369), Duffkinnel, Dumfriesshire (AUGD 2547 (2), 2561 (4)).
Note: Strachan 1971:35 states: 'Nicholson's original specimen has not yet been traced.'
- Corynoides calicularis* Nicholson 1867
5, 108-9, pl. 7, figs. 9-11.
pl. 7, fig. 9, 9a BMNH Q61-64
(Sil., Dobb's Linn/Hart Fell)
10 BMNH Q61-64
(Sil., Dobb's Linn/Hart Fell)
11 BMNH Q61-64
(Sil., Dobb's Linn/Hart Fell)
9, 60, pl. 3, fig. 19 (cf. 5, pl. 7, fig. 9a).
37, 132-3, fig. 74.
fig. 74a BMNH Q61-64 (locality ?)
b BMNH Q61-64 (locality ?)
49, 143 (Ord., Point Lévis)
Nicholson material: SCOTLAND, Dobb's Linn, Dumfriesshire (BMNH 56600, P1934, H2730, H4110-2, H4114, Q63-64 (H4113, H4115); AUGD 2340, 2341, 2360), Hartfell, Dumfriesshire (BMNH 56596, 56665, H4108-9, Q62 (P1933), Q61 (H4107); AUGD 2346-8, 2351-2, 2354, 2357, 2364-5, 2371, 2373, 2641, 2659); CANADA, Point Lévis, Quebec (BMNH P1930 (3)).
LECTOTYPE: BMNH P1933 (renumbered as Q62): Strachan 1949:156.
- Ctenograptus annulatus* (Nicholson 1869) (see *Dichograptus annulatus*)
- Cyrtograptus murchisoni* Carruthers 1867
37, fig. 56 (copy).
- Dichograptus (?) annulatus* Nicholson 1869
24, 233-4, pl. 11, figs. 4, 5. (Ord., Barrow/Wath Brow)
26, 498 (mention only).
99, 248, pl. 9, fig. 4, 4a (= 24, pl. 11, figs. 4, 5) ('*Ctenograptus annulatus*').
Nicholson material: ENGLAND, Barrow Burn, Keswick, Cumberland (BMNH P1916(3)).
- Dichograptus flexilis* (Hall 1858)
37, fig. 51 (copy).
- Dichograptus fragilis* Nicholson 1869
24, 232-3, pl. 11, figs. 1-3.

- pl. 11, fig. 1-3 BMNH Q1 (Ord., Thornship Beck)
99, 248, pl. 9, fig. 2, 2a (= 24, pl. 11, figs. 1, 2)
 ('*Trichograptus fragilis*').
 Nicholson material: ENGLAND, Thornship Beck, Shap, Westmorland (BMNH P1918(2), Q1 (renumbered from P1918)).
 LECTOTYPE: BMNH Q1: Strachan 1971: 11.
- Dichograptus logani* (Hall 1858)
9, pl. 3, fig. 5.
 pl. 3, fig. 5 BMNH Q798 (Ord., Skiddaw slates)
10, 128-9. (Ord., Outerside)
37, fig. 52 (copy) ('*Loganograptus logani*').
- Dichograptus (Graptolithus) milesi* Hall 1861
37, fig. 34 (copy).
99, 248 (= *Temnograptus*).
- Dichograptus multiplex* Nicholson 1868
10, 129-30, pl. 6, figs. 1-3.
 pl. 6, fig. 1, 2 BMNH Q31. (Ord., Peelwyke)
 3 BMNH Q31 (Ord., Peelwyke)
99, 248, pl. 9, fig. 1 (= **10**, pl. 6, fig. 1) ('*Temnograptus multiplex*').
 Nicholson material: ENGLAND, Peelwyke, Cumberland (BMNH Q31).
 Note: Strachan 1971: 11 refers to Q31 as a syntype.
- Dichograptus octobrachiatus* (Hall 1858)
9, pl. 3, fig. 6.
 pl. 3, fig. 6 BMNH P1917 ?? (locality ?)
10, 129, pl. 5, figs. 1 (copy), 2.
 pl. 5, fig. 2 BMNH P1923 ? (Ord., Muirhouse)
37, fig. 33 = fig. 50 (copy).
- Dichograptus reticulatus* Nicholson 1868
10, 143, pl. 5, figs. 3-5.
 pl. 5, fig. 4, 5 BMNH Q29 (Ord., Scale Hill ?)
99, 248, pl. 9, fig. 3 (= **10**, pl. 5, fig. 4) ('*Schizograptus reticulatus*').
 Nicholson material: ENGLAND, Scale Hill, Cumberland (BMNH Q29 (rereg. from P1915)).
 LECTOTYPE: BMNH Q29: Strachan 1971: 11.
- Dicranograptus ramosus* (Hall 1847)
37, fig. 60A-C.
 fig. 60B, C BMNH P1920 (Ord., Britain/N.America)
- Didymograptus affinis* Nicholson 1869
23, 224 (mention only).
24, 240-1, pl. 11, fig. 20.
 pl. 11, fig. 20 BMNH Q3108 (Ord., Cumberland)
26, 498 (mention).
29, 343, fig. 4.
 fig. 4a, b BMNH Q3108 (Ord., Skiddaw slates)
 Nicholson material: ENGLAND, Eggbeck, Westmorland (BMNH P1858), Outerside, Cumberland (BMNH P1859 (rereg. as Q2)), 'Skiddaw slates' (BMNH Q3108).
 NEOTYPE: Elles & Wood selected the specimen which they figured as pl. 2, fig. 16 (= Q3108) as the type, on the grounds that Nicholson's original specimen was unknown (Strachan 1971: 15).
- Didymograptus anceps* Nicholson 1867
5, 110, pl. 7, figs. 18-20.
 pl. 7, fig. 19 BMNH Q3047 (Sil., Dobb's Linn)
 20, 20 BMNH Q3065 (Sil., Dobb's Linn)
- 29**, 351-3, fig. 8b, c, pl. 7, fig. 5-5b.
 fig. 8b BMNH H1649 ? (Sil., Dobb's Linn)
 c BMNH Q3047 ? (Sil., Dobb's Linn)
 pl. 7, fig. 5a BMNH Q3047 ? (Sil., Dobb's Linn)
 b BMNH H1649 ? (Sil., Dobb's Linn)
- 37**, fig. 24b, c (= **29**, fig. 8b, c).
 Nicholson material: SCOTLAND, Dobb's Linn, Dumfriesshire (BMNH P1869 (11), H1647-50, H2727, Q3047, Q3065, Q3070; AUGD 2066).
 LECTOTYPE: Q3047: Toghill 1970: 10.
 PARALECTOTYPE: Q3065: Toghill 1970: 10.
 Note: Toghill (1970: 10) suggests that BMNH Q3047 or Q3065 could be the original of 5, pl. 7, fig. 19, 20.
- Didymograptus bifidus* (Hall 1865)
10, 136 (Ord., Skiddaw slates)
29, 346-7, fig. 7a-e.
 fig. 7a, b BMNH H2739 ? (Ord., Skiddaw slates)
- Didymograptus caduceus* Salter 1853
10, 133-4. (Ord., Skiddaw slates)
29, 348 (= *Tetragraptus serra*).
- Didymograptus divaricatus* (Hall 1859)
29, 350-1, fig. 8d, pl. 7, fig. 4.
 fig. 8d BMNH H2740 (Sil., Glenkiln Burn)
 pl. 7, fig. 4, a BMNH H2740 (Sil., Glenkiln Burn)
37, fig. 24d (= **29**, fig. 8d), fig. 30.
 fig. 30 BMNH H2740 (locality ?)
- Didymograptus extensus* (Hall 1858)
29, 341-2, fig. 1b, pl. 7, fig. 2.
 fig. 1b BMNH P1839 ? (Ord., Outerside)
 pl. 7, fig. 2, a BMNH Q3110 (Ord., Outerside)
- Didymograptus fasciculatus* Nicholson 1869
24, 241-2, pl. 11, figs. 21, 22.
 pl. 11, fig. 21, 22 BMNH Q4 (Ord., Cumberland)
29, 344-5, fig. 5a, b.
 fig. 5b BMNH P1864 ? (Ord., Cumberland)
 Nicholson material: SCOTLAND, Dobb's Linn, Dumfriesshire (BMNH P1866 (23)); ENGLAND, Eggbeck, Cumberland (BMNH P1862), Ellergill, Cumberland (BMNH P1864 (3), ? Q4) Thornship Beck, Shap, Cumberland (BMNH P1863, P1865).
 Note: Strachan 1971: 20 comments: 'Nicholson described the species as having two branches but noted (1870) that this was a restoration. His original specimens have not been positively identified.' This species was made the type species of *Nicholsonograptus* Bouček and Přibyl (1951), and was redescribed in detail by Skevington (1966).
- Didymograptus flaccidus* (Hall 1865)
5, 110-1, pl. 7, figs. 1-3.
 pl. 7, fig. 1, 1a BMNH P1849 ? (Sil., Dobb's Linn -label reads Hartfell)
 3 BMNH Q3066 (Sil., Dobb's Linn)
9, pl. 3, fig. 14 (= **5**, pl. 7, fig. 1).
29, 353-4, fig. 8a (cf. **5**, pl. 7, fig. 3), pl. 7, fig. 6-6c. (Sil., Dobb's Linn)
37, fig. 24a (= **29**, fig. 8a).
- Didymograptus geminus* (Hisinger 1840)
10, 134-5, pl. 5, figs. 8-10.
 pl. 5, fig. 8, 9 BMNH Q7 (Ord., Skiddaw slates)
 10 BMNH P1856 ? (Ord., Skiddaw slates)
29, 345-6, fig. 6.

- fig. 6a BMNH Q5 (Ord., Skiddaw slates)
 b BMNH 56567?/P1856 ??
 (Ord., Skiddaw slates)
- Didymograptus gibberulus* Nicholson 1875
 87, 271-2, pl. 7, fig. 3.
 pl. 7, fig. 3 SM A17779
 (Ord., Randal Crag/White Houses)
 3a SM A11780
 (Ord., Randal Crag/White Houses)
 3b SM A17781 ?
 (Ord., Randal Crag/White Houses)
 Nicholson material: ENGLAND, Cumberland (BMNH Q795), Carlside, Skiddaw, Cumberland (AUGD 2025, 2509), Randal Crag/White Houses, Cumberland (SM A17779-81), Troutbeck, Cumberland (AUGD 2453); AUSTRALIA, Castlemaine, Victoria (AUGD 2026 (2)). LECTOTYPE: SM A17780: Obut & Sobolevskaya 1964. SYNTYPES: SM A17779, 17780, 17781; Strachan 1971: 19.
- Didymograptus murchisoni* (Beck in Murchison 1839)
 29, 349-50, pl. 7, fig. 7-7b. (Sil., Abereiddy Bay)
- Didymograptus nitidus* (Hall 1858)
 10, 135-6 (Ord., Barff)
 29, 341-2, fig. 3.
 fig. 3a BMNH P1854 (Ord., Barff)
 b, c BMNH P1841 (Ord., Barff)
 37, fig. 45 (= 29, fig. 3).
- Didymograptus patulus* (Hall 1858)
 29, 339-41, fig. 1a, pl. 7, fig. 1.
 fig. 1a BMNH Q6 ? (Ord., Outside)
 pl. 7, fig. 1, 1a BMNH Q6 (Ord., Outside)
 37, fig. 3 (= 29, fig. 1a).
- Didymograptus serratulus* (Hall 1847)
 10, 136-7. (Ord., Outside/Barff)
 29, 343-4, pl. 7, fig. 3-3d. (3a: copy).
 pl. 7, fig. 3c BMNH P1868 (Ord., Outside)
- Didymograptus sextans* (Hall 1843)
 10, 134. (Sil., Braithwaite Brow)
 29, 354-6, fig. 9.
 fig. 9a, b BMNH P1867 ?
 (Sil., Glenkiln Burn/Cairn Ryan)
 37, fig. 31 (= 29, fig. 9).
- Didymograptus V-fractus* Salter 1863
 10, 134. (Ord., Skiddaw slates ?)
 29, 341, fig. 2. (Ord., Skiddaw slates ?)
 37, fig. 48 (= 29, fig. 2).
- Diplograptus acuminatus* Nicholson 1867
 5, 109-10, pl. 7, figs. 16, 17.
 pl. 7, fig. 16, a-c BMNH Q1310 ??
 (Sil., Dumfriesshire)
 17, a, b BMNH Q1889 ?
 (Sil., Dumfriesshire)
 37, fig. 10B (= 27B = 59B) (cf. 5, pl. 7, fig. 16a).
 Nicholson material: SCOTLAND, Dobb's Linn, Dumfriesshire (BMNH 56590 (2), P2023 (4), H2869-77, Q1309-10, Q1312-3, Q1871-80, Q1889-95, etc); Garple Linn, Dumfriesshire (BMNH 56604).
 Note: Strachan 1971: 49 notes: 'Nicholson's original figured specimen has not yet been found.'
- Diplograptus angustifolius* (Hall 1859)
 18, 525-6, pl. 19, figs. 8, 9. (Sil., Skelgill Beck)
- Diplograptus antennarius* (Hall 1865) (see *Climacograptus antennarius*)
- Diplograptus armatus* Nicholson 1869
 24, 234-5, pl. 11, fig. 8.
 pl. 11, fig. 8 BMNH Q17 (Ord., Thornship Beck)
 Nicholson material: ENGLAND, Thornship Beck, Westmorland (BMNH P2020 (2), Q17 (rereg. from H2424)).
 HOLOTYPE: Q17, 'Nicholson's sole figured specimen': Strachan 1971: 27.
- Diplograptus bicornis* Hall 1847 (see *Climacograptus bicornis*)
- Diplograptus bimucronatus* Nicholson 1869
 24, 236, pl. 11, fig. 12.
 pl. 11, fig. 12 BMNH P1877 ?
 (Sil., Glenkiln Burn)
 12' BMNH P1877 ?
 (Sil., Glenkiln Burn)
 Nicholson material: SCOTLAND, Glenkiln Burn, Dumfriesshire (BMNH 56610 (5), P1877 (18)).
 Note: 'type specimen not yet designated', Strachan 1971: 45.
- Diplograptus cometa* Geinitz 1852
 37, fig. 10A = 27A = 58A.
 fig. 10A BMNH Q83 ? (Sil., Dumfriesshire)
- Diplograptus confertus* Nicholson 1868
 14, 299 (mention only). 16, 62 (mention only).
 18, 526, pl. 19, figs. 14, 15.
 pl. 19, fig. 14, 15 BMNH H3026 ? (Sil., Skelgill)
 Nicholson material: SCOTLAND, Dobb's Linn, Dumfriesshire (H3022); ENGLAND, Skelgill, Westmorland (BMNH P1876 (14), H2023-4, H2026, H3023-6; AUGD 2054, 2105, 2125).
 Note: 'Nicholson's original figured specimen has not yet been found': Strachan 1971: 48.
 LECTOTYPE: The specimen figured by Nicholson, 18, pl. 19, figs. 14-15 (Bjerreskov, 1975, pp. 41-42).
- Diplograptus folium* (Hisinger 1837)
 18, 524-5, pl. 19, figs. 4-7.
 pl. 19, fig. 6, 7 BMNH Q105 (Sil., Skelgill)
 37, fig. 11C, D.
 fig. 11C BMNH H2863 ?? (Sil., Dumfriesshire)
 D BMNH H2863 ?? (Sil., Dumfriesshire)
- Diplograptus harknessi* Nicholson 1867
 8, 262, pl. 11, figs. 6, 7.
 pl. 11, fig. 6 BMNH Q53 ? (Sil., Hart Fell)
 7 BMNH Q53 ? (Sil., Hart Fell)
 Nicholson material: SCOTLAND, Dobb's Linn, Dumfriesshire (BMNH P2022: AUGD 7671), Garple Linn, Dumfriesshire (BMNH P1866 (2), H1592-4), Hartfell, Dumfriesshire (BMNH P1867, H3027, Q53).
 LECTOTYPE: BMNH Q53c: Rickards & Bulman 1965: 274.
- Diplograptus hopkinsoni* Nicholson 1869
 24, 234, pl. 11, fig. 7.
 pl. 11, fig. 7 BMNH Q3109 (Ord., Outside)
 Nicholson material: SCOTLAND, Hartfell, Dumfries-

- shire (P1885, H2835-9); ENGLAND, Outerside, Westmorland (BMNH P1884(4), P1953, Q3109).
HOLOTYPE: BMNH Q3109: Strachan 1971: 28
(? = lectotype).
- 26A BMNH P1911 ? (locality ?)
B H2834 (locality ?)
C H2833 ? (locality ?)
80, 38. (Ord., Ontario)
- Diplograptus hudsonicus* Nicholson 1875
80, 38, fig. 15.
fig. 15a, a' BMNH P1901 (Ord., Toronto/Weston)
Nicholson material: CANADA, Toronto, Ontario
(BMNH P1901 (5); AUGD 2227 (2), 2699).
- Diplograptus hughesi* Nicholson 1869
24, 235, pl. 11, figs. 9, 10.
pl. 11, fig. 9 BMNH Q1365 ? (Sil., Skelgill)
10 BMNH Q1968 ? (Sil., Skelgill)
Nicholson material: SCOTLAND, Dobb's Linn,
Dumfriesshire (AUGD 2723); ENGLAND, Skelgill,
Westmorland (BMNH P1890 (3), P7780-3, Q1365-6,
Q1968-9, R7780-5; AUGD 2269 (3), 2329 (2), 2661 (3)),
Swindale, Knock, Westmorland (AUGD 2332 (7), 2334
(3)).
NEOTYPE: BMNH Q1365: Přibyl 1948: 18.
- Diplograptus insectiformis* Nicholson 1869
24, 236-7, pl. 11, fig. 13.
pl. 11, fig. 13 BMNH Q3112-3 (Sil., Dobb's Linn)
Nicholson material: SCOTLAND, Dobb's Linn,
Dumfriesshire (BMNH P1888 (3), P7913-4, Q3112-3;
AUGD 2389).
LECTOTYPE: BMNH Q3112: Hutt, 1974: 34; Rickards
and Koren', 1974: 200. BMNH Q3112 refigured by
Rickards and Koren', 1974: fig. 4 (p. 194).
- Diplograptus mucronatus* (Hall 1847)
5, 111, pl. 7, fig. 5.
pl. 7, fig. 5, 5a BMNH P2021 ? (Ord.,)
10, 139. (Ord., Outerside)
18, pl. 19, fig. 16.
pl. 19, fig. 16 BMNH P2021 ? (Ord.,)
- Diplograptus palmeus* (Barrande 1850)
18, 523-4, pl. 19, figs. 1-3.
pl. 19, fig. 1 BMNH 56662/P1910 ?
(Sil., Dumfriesshire)
2 BMNH H2868 ? (Sil., Skelgill)
3 BMNH Q89 (Sil., Dumfriesshire)
37, fig. 11B. (Sil., Dumfriesshire)
- Diplograptus physophora* Nicholson 1868
9, 56, pl. 3, fig. 7 (not described). (Sil., Garple Linn)
Nicholson material: SCOTLAND, Garple Linn,
Dumfriesshire (BMNH P1891 (4)).
Note: 'Nicholson's original figured specimen has not yet
been found': Strachan 1971: 49.
- Diplograptus pristiniiformis* Hall 1865
10, 140, pl. 5, figs. 14, 15.
pl. 5, fig. 14 BMNH Q1179 ?
(Ord., Outerside/Ellergill)
15 BMNH Q1152 ?
(Ord., Outerside/Ellergill)
- Diplograptus pristis* (Hisinger 1837)
5, 111-2, pl. 7, fig. 21-21b ('germs')
(Sil., Hart Fell)
18, 527-8. (Sil., Mosedale)
37, fig. 9 = 22 = 58; 39A (copy), 26.
fig. 9 BMNH P1905 (locality ?)
- Diplograptus putillus* (Hall 1865)
18, 527, pl. 19, figs. 17, 18. (Sil., Skelgill)
- Diplograptus quadrimucronatus* (Hall 1865)
5, 111, pl. 7, figs. 6-8 (7, 8: copies).
pl. 7, fig. 6, 6a BMNH P1889 ? (Sil., Dobb's Linn)
- Diplograptus sinuatus* Nicholson 1869
24, 235-6, pl. 11, fig. 11.
pl. 11, fig. 11 BMNH Q93 (Sil., Skelgill)
Nicholson material: ENGLAND, Skelgill, Westmorland
(BMNH P1843 (213), P1892, P7927-8, P7946-9,
P7955, Q93-4, Q101), Spengill, Yorkshire (AUGD
2236).
Note: 'Nicholson's original specimen has not yet been
traced': Strachan 1971: 37.
LECTOTYPE: The specimen figured by Nicholson,
24, pl. 11, fig. 11 (Bjerreskov, 1975: 31).
- Diplograptus tamariscus* Nicholson 1868
10, 299 (mention only). 16, 62 (mention only).
18, 526, pl. 19, figs. 10-13.
pl. 19, fig. 10 BMNH Q579/Q91 (Sil., Duffkinnel)
11 BMNH Q578 (Sil., Duffkinnel)
12 BMNH Q91 ?
(Sil., Duffkinnel - label reads Skelgill)
13 BMNH Q3069 (Sil., Duffkinnel)
37, fig. 4C.
fig. 4C BMNH Q91 ? (Sil., Skelgill)
Nicholson material: SCOTLAND, Dobb's Linn,
Dumfriesshire (AUGD 2496 (2), 2497 (2)), Duffkinnel,
Dumfriesshire (BMNH P1914 (2), H1600-24, Q576-80,
Q3067, Q3069; AUGD 2140, 2478, 2686), Frenchland
Burn, Dumfriesshire (AUGD 2265, 2544), Garple Linn,
Dumfriesshire (H1586-7, 92, 96, H1638); ENGLAND,
Troutbeck Beck, Cumberland (AUGD 2387), Mealy Beck,
Coniston, Lancs, (AUGD 2767), Mosedale, Westmorland
(BMNH P2030(3), P7941-5), Ambleside, Westmorland
(BMNH 56676 (3)), Skelgill, Westmorland (BMNH P1896,
P1913, P7931-7, H1588-91, H1597-9, H1625-37, Q91;
AUGD 2476).
LECTOTYPE: BMNH Q579; Přibyl 1948: 10.
See Packham 1962.
PARALECTOTYPES: BMNH Q578, Q3069.
- Diplograptus teretiusculus* (Hisinger 1840)
9, pl. 3, figs. 3-4, 18.
pl. 3, fig. 3 BMNH P1957 (locality ?)
4 BMNH Q1302 ? (locality ?)
10, 139-40, pl. 5, figs. 11-13. (Ord., Ellergill)
18, 528-9. (Sil., Coniston flags)
30, 372-80, figs. 1a-g, 2a-d, 3(copy) ('*Climacograptus*
teretiusculus').
fig. 1a BMNH Q1326 (Sil., Dobb's Linn)
b BMNH Q1302 ? (Sil., Garple Linn)
c BMNH Q1163 ? (Sil., Skelgill)
d BMNH P1957 ('1565') ?
(Sil., Dobb's Linn)
f BMNH P1958 ('293') ?
(Sil., Coniston mudstones)
g BMNH P1957 ('1566')
(Sil., Coniston mudstones)
2a BMNH Q1163 ? (Sil., Coniston mudstones)

- 37, 31-5, fig. 8 = 28 (= 30, fig. 2).
80, 39. (Ord., Ontario)
- Diplograptus tubulariformis* Nicholson 1867
5, 109, pl. 7, figs. 12-15.
pl. 7, fig. 12, a BMNH Q83 (Sil., Duffkinnel)
8, 262 (footnote) (= *D. cometa*).
Nicholson material: SCOTLAND, Duffkinnel,
Dumfriesshire (BMNH Q83).
LECTOTYPE: BMNH Q83: Bouček & Přibyl 1942:
- Diplograptus vesiculosus* Nicholson 1869
9, 57, pl. 3, fig. 11 (not described).
pl. 3, fig. 11 BMNH P1880 (Sil., Dobb's Linn)
10, 299 (mention only). 18, 527 (mention only).
24, 237-8, pl. 11, figs. 14-15.
pl. 11, fig. 14 BMNH P1880 (locality ?)
15 BMNH H2845 ? (locality ?)
37, fig. 11A.
fig. 11A BMNH P1880 ? (Sil., Dumfriesshire)
Nicholson material: SCOTLAND, Dobb's Linn,
Dumfriesshire (BMNH P1592-3, P1880 (19), 56607
H2840-51; AUGD 2494, 2640), Wandel Burn,
Abington, Lanark (AUGD 2707); ENGLAND,
Skelgill, Westmorland (AUGD 2402, 2405 (3)),
Spengill, Sedbergh, Yorkshire (AUGD 2155).
Note: 'Nicholson's original specimen has not yet been
traced': Strachan 1971: 35.
LECTOTYPE: Specimen figured by Nicholson, 9,
pl. 3, fig. 11 (Bjerreskov, 1975: 29).
- Diplograptus whitfieldi* (Hall 1859)
5, 111, pl. 7, fig. 4.
pl. 7, fig. 4, 4a BMNH P1873 ?
(Sil., Glenkiln Burn)
37, fig. 23, 39 (copy).
fig. 23 BMNH P1873 ? (Sil., Glenkiln Burn)
- Graptolites argenteus* Nicholson 1869
24, 239-40, pl. 11, fig. 19.
pl. 11, fig. 19 BMNH Q3148 (Sil., Skelgill)
Nicholson material: ENGLAND, Ambleside, Westmorland
(BMNH 56584 (2)), Skelgill, Westmorland (BMNH
P1909, P2045 (9), H296-300, Q97, Q3148; AUGD 2523
(7), 2563).
LECTOTYPE: BMNH Q3148: Hutt 1975: 73-74.
- Graptolites bohemicus* (Barrande 1850)
18, 539-40, pl. 20, figs. 22-24. (Sil., Skelgill)
- Graptolites clingani* Carruthers 1867
37, fig. 6D. (Sil., Coniston mudstones)
- Graptolites colonus* Barrande 1850
12, 241. (Sil., Ludlow)
18, 540-1, pl. 20, figs. 9-11.
pl. 20, fig. 9 BMNH P2041 (Sil., Horton)
10 BMNH Q1291 (Sil., Helmside)
30, 379, figs. 4a-c. (Sil., Sedbergh)
37, fig. 2a-c (= 30, fig. 4), 4A, B. (Sil., Coniston grits)
- Graptolites discretus* Nicholson 1868
10, 299 (mention only). 16, 62 (mention only).
18, 539, pl. 20, figs. 12-15.
pl. 20, fig. 12, 13 BMNH H311 ? (Sil., Mosedale)
Nicholson material: ENGLAND, Mosedale, Westmorland
(BMNH H311), Long Sleddale, Westmorland (BMNH
56594 (2), 56646 (4)), Skelgill, Westmorland (BMNH
P2028, P2044 (5)), Stockdale, Westmorland (BMNH
P2044 (4), H307-8 Q104).
- Graptolites fimbriatus* Nicholson 1868
10, 299 (mention only). 16, 62 (mention only).
18, 536-7, pl. 20, figs. 3-5. (Sil., Skelgill)
Nicholson material: SCOTLAND, Dobb's Linn,
Dumfriesshire (AUGD 2081, 2520), Duffkinnel,
Dumfriesshire (BMNH P2029 (2)), Frenchland Burn,
Dumfriesshire (AUGD 2195 (2), 2250, 2265).
ENGLAND, Mosedale, Westmorland (BMNH P2030
(3), P7941-5), Skelgill, Westmorland (BMNH P2031).
Note: A specimen at Birmingham University (BU 1671)
was designated provisionally as neotype by Sudbury
1958: 500.
- Graptolites latus* M' Coy 1851
10, 141. (Ord., Skiddaw slates)
37, 51, fig. 19. (Ord., Skiddaw slates)
- Graptolites lobiferus* M' Coy 1850
18, 32-3, pl. 19, figs. 29, 30. (Sil., Dumfriesshire)
- Graptolites lobiferus* var. *exiguus* Nicholson 1868
18, 533, pl. 19, figs. 27, 28.
pl. 19, fig. 27, 28 BMNH Q96 ? (Sil., Skelgill)
Nicholson material: SCOTLAND, Caddonfoot,
Selkirkshire (BMNH 56616; AUGD 2257); ENGLAND,
Skelgill, Westmorland (BMNH Q96).
HOLOTYPE: specimen figured Nicholson 1868, pl. 19,
fig. 27.
'The specimen is unlikely to be recognised': Strachan
1971: 54.
- Graptolites lobiferus* var. *nicoli* Harkness 1851
18, 533. (Sil., Coniston flags)
- Graptolites nilssoni* (Barrande 1850)
10, 142 (Ord., Skiddaw slates ?). 12, 241 (Sil., Ludlow).
18, 537-8, pl. 20, figs. 18, 19.
pl. 20, fig. 18, 19 BMNH Q100 ?? (Sil., Skelgill)
37, fig. 15B. (Sil., Skelgill/Dumfriesshire)
- Graptolites nilssoni* var. *major* Nicholson 1868
18, pl. 20, figs. 20, 21. (Sil., Dumfriesshire)
Note: I have found no Nicholson material of this
subspecies.
- Graptolites nilssoni* var. *minor* Nicholson 1868
18, 537-8, pl. 20, figs. 16, 17. (Sil., Dumfriesshire)
Note: I have found no Nicholson material of this
subspecies.
- Graptolites priodon* (Bronn 1835)
12, 241. (Sil., Ludlow)
18, 540, pl. 20, figs. 6-8.
pl. 20, fig. 6 BMNH P2080 ? (Sil., Broughton Moor)
30, 379, fig. 4c, d.
fig. 4c BMNH P2080 ? (Sil., Broughton Moor)
d BMNH P2037 (Sil., Long Sleddale)
37, fig. 2c, d (= 30, fig. 4c, d), 7A-D (= 47).
fig. 7B, C (= 30, fig. 4d, c)
D BMNH P2037 (Sil., Coniston flags)
- Graptolites sagittarius* Linné 1768
9, pl. 3, figs. 1, 2. (Ord., Skiddaw slates)
10, 141 (Ord., Skiddaw slates). 12, 241 (Sil., Ludlow).
18, 541-2, pl. 20, figs. 25-27

- pl. 20 fig. 26 BMNH P2034 (Sil., Garple Linn)
 37, 4-5, 26-8, fig. 6A-C, 15A.
 fig. 6A BMNH P2034 (Sil., Dumfriesshire)
- '*Graptolithus scalaris*' Linné 1768
 30, 378-9, fig. 3 (copy from Linné) (see
Climacograptus teretiusculus)
 37, 1-3, fig. 1.
- Graptolites sedgwickii* Portlock 1843
 4, 488, pl. 17, fig. 3. (Sil., Garple Linn)
 8, 260, pl. 11, figs. 12-15. (Sil., Dobb's Linn ?)
 18, 533-5, pl. 19, fig. 31, pl. 20, fig. 28.
 pl. 20, fig. 28 BMNH Q92? (Sil., Dumfriesshire)
 37, fig. 15C, 43 (i-viii).
 fig. 15C BMNH Q92/P2030 ('505')? (locality ?)
- Graptolites sedgwickii* var. *spinigerus* Nicholson 1868
 18, 535, pl. 19, fig. 32.
 pl. 19, fig. 32 BMNH Q51? (Sil., Mosedale)
 37, fig. 5.
 fig. 5 BMNH Q51 (Sil., Mosedale)
 Nicholson material: SCOTLAND, Duffkinnel,
 Dumfriesshire (BMNH P2059 (2), P2084 (3), H350-1;
 AUGD 2280 (3), 2458 (3), 2793, 2611, 2736), Moory
 Syke, St. Mary's Loch, Selkirk (AUGD 2232 (2));
 ENGLAND, Ambleside, Westmorland (BMNH 56581),
 Mosedale, Westmorland (BMNH 56644, Q51), Skelgill,
 Westmorland (BMNH (P2060 (3); AUGD 2375 (3)),
 Stockdale, Westmorland (BMNH (P2046 (7))).
- Graptolites sedgwickii* var. *triangulatus* Harkness 1851
 18, 535-6, pl. 19, figs. 33, 34, pl. 20, figs. 1, 2.
 (Sil., Skelgill)
- Graptolites tenuis* Portlock 1843
 10, 142. (Ord., Lake District)
 18, 538-9, pl. 20, fig. 31.
 pl. 20, fig. 31 BMNH Q104/56580/P2055 ?
 (Sil., Dumfriesshire)
- Graptolites turriculatus* Barrande 1850
 18, 542, pl. 20, figs. 29, 30.
 pl. 20, fig. 29, 30 BMNH P2043 ??
 (Sil., Mosedale - label reads Stockdale)
- Graptolites vomerina* Nicholson 1872
 37, 52-3, fig. 21.
 fig. 21A BMNH P2047? (Sil., Coniston flags)
 B, C BMNH P2047 ?
 (Sil., Coniston flags)
 Nicholson material: ENGLAND, Long Sleddale,
 Westmorland (BMNH 56618, P2047 (22)), Broughton
 Moor, Cumberland (BMNH P2032), Sedbergh, Yorkshire
 (AUGD 2809).
 NEOTYPE: Birmingham University, BU 1542:
 Strachan 1971: 63.
- Helicograptus (Graptolithus) gracilis* (Hall 1847)
 8, 258.
 9, pl. 3, fig. 15. (Sil., Glenkiln Burn)
 15, 25-6, fig. 1. (Sil., Glenkiln Burn)
 37, fig. 14 = 35 = 55 (= 15, fig. 1).
- Loganograptus logani* (Hall 1858) (see *Dichograptus logani*)
- Monograptus broughtonensis* Marr & Nicholson 1888
 (nom. nud.)
- 156, 699, 726 (mention). (Ord., Stockdale shales)
 Nicholson material: ENGLAND, Knock, Westmorland
 (BMNH P2053 (3); AUGD 2725).
 Note: Synonymous with *M. acus* Elles & Wood (1913,
 p.431).
- Phyllograptus angustifolius* Hall 1858
 10, 132-3. (Ord., Skiddaw slates)
- Phyllograptus typus* Hall 1858
 10, 133, pl. 5, fig. 16. (Ord., Barff)
 37, fig. 64 (copy).
- Pleurograptus linearis* (Carruthers 1858)
 8, 256-9, pl. 11, figs. 1-5.
 pl. 11, fig. 1 BMNH Q27
 (Sil., Hart Fell/Glenkiln)
 4 BMNH Q27 ?
 (Sil., Hart Fell/Glenkiln)
 5 BMNH Q27 ?
 (Sil., Hart Fell/Glenkiln)
 15, fig. 2 (adaptation of 8, pl. 11, fig. 1).
 37, 110-2, figs. 53, 54.
 fig. 53 BMNH Q27 (Sil., Dumfriesshire)
- Pleurograptus (?) vagans* Nicholson 1868
 8, 258 (footnote).
 10, 144, pl. 6, figs. 4, 5. (Ord., Scale Hill)
 Note: I have found no Nicholson material of this
 species.
- Rastrites capillaris* Carruthers 1867
 37, fig. 17B = 57B. (Sil., Dumfriesshire)
- Rastrites linnaei* Barrande 1850
 18, 531-2, pl. 19, fig. 25, 26. (Sil., Mosedale)
 37, fig. 17C = 57C. (Sil., Coniston mudstones)
- Rastrites peregrinus* Barrande 1850
 18, 531, pl. 19, figs. 23, 24.
 pl. 19, figs. 23, 24 BMNH P2002 ? (Sil., Skelgill)
 37, fig. 17 A, D = fig. 57 A, D. (Sil., Coniston mudstones)
- Retiolites geinitzianus* (Barrande 1850)
 18, 530, pl. 19, figs. 19, 20.
 pl. 19, fig. 19, 20 BMNH P1969
 (Sil., Broughton Moor)
 37, fig. 61a-g (a, c copies).
 fig. 61b BMNH P1969 ? (Britain)
 e, f BMNH P1973 ?
 (Sil., Coniston mudstones)
 g BMNH P1969 (Sil., Coniston flags)
- Retiolites perlatus* Nicholson 1868
 10, 299 (mention only). 16, 62 (mention only).
 18, 530-1, pl. 19, figs. 21, 22.
 pl. 19, fig. 21, 22 BMNH Q1368 (Sil., Mosedale)
 Nicholson material: ENGLAND, Mosedale, Westmorland
 (BMNH P1843, P1971 (2), Q1368).
 HOLOTYPE: BMNH Q1368: Strachan 1971: 47 (i.e.
 lectotype ?).
- Retiolites venosus* (Hall 1852)
 37, 42-3, fig. 12 (copy).
- Schizograptus (Dichograptus) reticulatus* (Nicholson 1868)
 (see *Dichograptus reticulatus*)

Temnograptus (Dichograptus) multiplex (Nicholson 1868)
(see *Dichograptus multiplex*)

C RSM slide 1968.15.383
(label reads Ord., Cincinnati, Ohio)
D RSM slide 1968.15.381 ?
(Dev., Canada)

Tetragraptus alatus (Hall 1858)
37, fig. 37 (copy).

Tetragraptus approximatus Nicholson 1873
49, 136-7, fig. 2.
fig. 2a, b BMNH P1996 ? (Ord., Point Lévis)
Nicholson material: CANADA, Point Lévis, Quebec
(BMNH P1996 (5), P2069, H978-9; AUGD 2013, 2143,
2440, 2446, 2450 (2)).

Tetragraptus bryonoides (Hall 1858)
12, 131-2. (Lake District)
37, fig. 49A (copy), B (Ord., Skiddaw slates)
87, 272, pl. 7, figs. 4, 5. (locality ?)

Tetragraptus crucifer (Hall 1858)
10, 144 (Ord., Barff)

Tetragraptus headi (Hall 1858)
10, 131. (Ord., Barff)
37, fig. 36 (copy).

Tetragraptus inosculans Nicholson & Marr 1895
166, 538 (footnote: Brief comment and reference to
figure by Hall)
Nicholson material: ENGLAND, Outerside, Cumberland
(AUGD 2811).

Tetragraptus quadribrachiatus (Hall 1858)
9, pl. 3, fig. 20.
pl. 3, fig. 20 BMNH Q12 ? (locality?)
10, 131 (Ord., Outerside)
37, fig. 32 (copy).

Thamnograptus doveri Nicholson 1875
87, 271, pl. 7, fig. 1. (Ord., Randal Crag)
Note: I have found no Nicholson material of this
species.

Trichograptus (Dichograptus) fragilis (Nicholson 1869) (see
Dichograptus fragilis)

Trigonograptus lanceolatus Nicholson 1869
24, 232, pl. 11, fig. 6.
pl. 11, fig. 6 BMNH Q49 (Ord., Ellergill)
37, 122-3, fig. 13 = fig. 62 (= 24, pl. 11, fig. 6).
Nicholson material: ENGLAND, Ellergill, Westmorland
(BMNH Q49 (rereg. from P1900)).

SMALL CONOIDAL SHELLS OF UNCERTAIN AFFINITIES

Styliola fissurella Hall 1879
174, fig. 8 (= fig. 720).
fig. 8 AUGD slide 03010 (Dev., Canadaigua)
163, 66-7, fig. 1 (= 174, fig. 8), 2 (copy).

Tentaculites sp.
71, 114. (Dev., Arkona)

Tentaculites attenuatus Hall 1876
174, 809-10, fig. 725.
fig. 725A RSM slide 1968.15.381 (Dev., Canada)
B RSM slide 1968.15.379 (Dev., Canada)

Tentaculites distans Hall 1852
67, 144-5 (Sil., Dundas). 80, 48 (Sil., Dundas)

Tentaculites neglectus Nicholson & Hinde 1874
67, 145 (Sil., Dundas). 80 (Sil., Dundas).
Nicholson material: CANADA, ? Dundas, Ontario
(AUGD 10187).

INC. SED. (? ANNELIDA)

Conchicolites corrugatus Nicholson 1873
48, 55-6, pl. 4, fig. 2, 2a. (Ord., Cincinnati)
Note: I have found no Nicholson material of this species.

Conchicolites gregarius Nicholson 1872
36, 202-5, fig. 2a-b.
fig. 2a AUGD 8796 (Ord., Dufton)
172, fig. 88 (= 36, fig. 2).
48, 55.
174, 477-8, fig. 335D, 342 (= 36, fig. 2).
fig. 335D RSM slide 1968.15.369 (Ordovician)
Nicholson material: ENGLAND, Pusgill, Dufton,
Westmorland (AUGD 8796, 8797 (2), RSM slide
1968.15.369).

Cornulites sp. Schlotheim 1820
174, 475-6, fig. 335C.
fig. 335C RSM slide 1968.15.371 (Silurian)

Cornulites serpularius Schlotheim 1820
36, 202-4, fig. 1a, b.
fig. 1a AUGD 8795 (Sil., Dudley)
172, fig. 87 (= 36, fig. 1).
174, fig. 339A, B, 340 (= 36, fig. 1) (Sil., Wenlock Lst)

Ortonia conica Nicholson 1872
42, 447-8, fig. 1A, B. (Ord., S.W. Ohio)
174, fig. 341 (= 42, fig. 1).
Nicholson material: USA, Ohio (AUGD 8791 (2)).

Ortonia intermedia Nicholson 1874
69, 199-200, pl. 9, fig. 26.
pl. 9, fig. 26a RSM 1875.1.90 ? (Dev., Arkona)
b RSM 1875.1.90 ? (Dev., Arkona)
71, 122-3, fig. 55 (= 69, pl. 9, fig. 26).
Nicholson material: CANADA, Ontario (RSM 1875.1.90,
1875.1.98 (2)).

Ortonia minor Nicholson 1873
48, 56-7, pl. 4, fig. 3, 3a. (Ord., Cincinnati)
Nicholson material: USA, Ohio (RSM slide 1967.66.
unreg: 'var. *variabilis*'; AUGD 3793 (5), 9299 (2)).

ANNELIDA

Serpula sp.
174, 472-3, fig. 335A, B.
fig. 335A RSM slide 1968.15.374 (Recent)
B RSM slide 1968.15.373 (Tertiary)

- Serpulites longissimus* Murchison 1839
133, 303-4, pl. 20, figs. 12, 13.
pl. 20, fig. 13 BMNH A6192 (Ord., Drummuck)
- Nicholson material: SCOTLAND, Grieston, Peebleshire
(AUGD 7059, 10674).
- Spirorbis angulatus* Hall 1861
80, 83. (Dev., Widder)
- Spirorbis arkonensis* Nicholson 1874
69, 199, pl. 9, fig. 25b, c.
pl. 9, fig. 25b RSM 1875.1.89 ? (Dev., Arkona)
c RSM 1875.1.89 ? (Dev., Arkona)
71, 121-2, fig. 54b, c (= 69, pl. 9, fig. 25b, c).
179, fig. 87b, c (= 69, pl. 9, fig. 25b, c).
174, 474, fig. 336b, c (= 69, pl. 9, fig. 25b, c).
Nicholson material: CANADA, Western Ontario (RSM
1875.1.89).
- Spirorbis omphalodes* (Goldfuss 1826)
69, 199, pl. 9, fig. 25a.
fig. 25a RSM 1875.1.88 ? (Dev., Arkona)
71, 121, fig. 54a (= 69, pl. 9, fig. 25a).
179, fig. 87a (= 69, pl. 9, fig. 25a).
174, fig. 337a (= 69, pl. 9, fig. 25a).
- Spirorbis spinuliferus* Nicholson 1875
80, 83-4, fig. 44c. (Dev., Arkona)
179, fig. 88c (= 80, fig. 44c).
174, fig. 337c (= 80, fig. 44c).
Nicholson material: CANADA, Arkona, Ontario
(AUGD 7230 (26)).
- TRACE FOSSILS**
- Arenicolites robustus* Nicholson 1873 (nom. nud.) 1978
167, 21-22, pl. 1, fig. 4.
pl. 1, fig. 4 AUGD 10603
(Ord., Rake Beck, Melmerby)
Nicholson material: ENGLAND, Rake Beck, Melmerby,
Westmorland (AUGD 10603).
Note: '167' was written in 1873. See Introduction.
- Arenicolites sparsus* Salter 1857
67, 138. (Sil., Dundas)
80, 41, fig. 17. (Sil., Dundas)
167, 20, fig. 1 (copy), pl. 1, figs. 1, 3.
pl. 1, fig. 1 AUGD 10605 (Ord., Longmynd)
3 AUGD 10604 (Ord., Barff)
- Buthotrephis gracilis* (Hall 1843)
67, 137-8. (Sil., Dundas)
80, 7, 8, 40, fig. 1.
fig. 1 AUGD 10630 (Sil., Ontario)
- Buthotrephis harknessi* Nicholson 1869
26, 495-6, pl. 18, fig. A. (Ord., Thornship Beck)
172, 477-8 (comments by Dr. Dawson).
Note: I have found no Nicholson material of this species.
- Buthotrephis (?) radiata* Nicholson 1869
26, 496-7, pl. 18, fig. B. (Ord., Thornship Beck)
172, 478 (notes by Dr. Dawson).
Note: I have found no Nicholson material of this species.
- Caridolites wilsoni* Nicholson 1873 (nom. nud.), Etheridge,
Woodward & Jones 1890
167, 44, pl. 5, fig. 2.
pl. 5, fig. 2 AUGD 7059 (Sil., Grieston)
- Chondrites* sp. Sternberg 1833
26, 497-8, pl. 18, fig. D. (Ord., Rake Beck)
123, 9 (Girvan: BMNH Q852, *Koremograptus* sp.).
- Crossopodia* sp. ind.
133, 308, pl. 23, fig. 3.
pl. 23, fig. 3 BMNH A6162 (Sil., Penwhapple Burn)
- Crossopodia lata* M'Coy 1851
167, 38. (Sil., Storm Hill, Llandeilo)
- Crossopodia scotica* M'Coy 1851
133, 308, pl. 24, fig. 3.
pl. 24, fig. 3 BMNH A6161 (Sil., Penwhapple Glen)
167, 36-37, pl. 3, fig. 1, pl. 6.
pl. 3, fig. 1 AUGD 10606 (Sil., Thornilee)
pl. 6, fig. 1 AUGD 8820 (Sil., Grieston)
- Eione* sp. Tate 1859
133, 308-9, pl. 24, fig. 4.
pl. 24, fig. 4 BMNH A6180 (Sil., Penwhapple Glen)
- Eophyton (?) palmatum* Nicholson 1869
26, 497, pl. 18, fig. C. (Ord., Barff)
Note: I have found no Nicholson material of this species.
- Histioderma hibernicum* Kinahan 1858
167, 24-25, fig. 2 (copy).
- Myrianites* sp. ind. MacLeay 1839
133, 306, pl. 23, fig. 2, pl. 24, fig. 1.
pl. 23, fig. 2 BMNH A6169 (Sil., Penwhapple Glen)
pl. 24, fig. 1 BMNH A6170 (Sil., Penwhapple Glen)
- Myrianites murchisoni* Emmons 1846
167, 43, pl. 4, fig. 2, pl. 5, fig. 1.
pl. 4, fig. 2 AUGD 10608 (Ord., Barff)
pl. 5, fig. 1 AUGD 10607 (Sil., Grieston)
- Myrianites tenuis* M'Coy 1851
133, 306, 311-3, fig. 10, pl. 24, fig. 2.
pl. 24, fig. 2 BMNH A6163
(Sil., Penwhapple Glen)
174, 485-6, fig. 349C (= 133, fig. 10).
167, 42-43, fig. 7, pl. 4, fig. 1.
fig. 7 AUGD 10610 (Sil., Thornilee)
pl. 4, fig. 1 AUGD 10612 (Sil., Grieston)
- Nemertites* sp. MacLeay 1839
133, 309, pl. 23, fig. 4, 5.
pl. 23, fig. 4 BMNH A6175
(Sil., Penwhapple Glen)
5 BMNH A6174
(Sil., Penwhapple Glen)
- Nemertites major* (M'Coy 1848)
167, 40, pl. 3, figs. 2, 3.
pl. 3, fig. 2 AUGD 10614 (Ord., Mungrisedale)
3 AUGD 10613 (Ord., Barff)
- Nemertites minor* (M'Coy 1848)
167, 40-41, pl. 3, fig. 4.
pl. 3, fig. 4 AUGD 10615 (Ord., Outside)

- Nemertites ollivantii* Murchison 1839
167, 39-40 (Sil., Lampeter)
- Nereites* sp. ind. MacLeay 1839
133, 305, pl. 23, fig. 1.
pl. 23, fig. 1 BMNH A6182
(Sil., Penwhapple Burn)
167, 41 (general).
- Palaeophycus virgatus* Hall 1847
80, 38, fig. 13.
fig. 13 AUGD 10616 (Ord., Weston)
- Planolites articulatus* Nicholson 1873 (nom. nud.) 1978
167, 32, pl. 2, fig. 4.
pl. 2, fig. 4 AUGD 10617 (Ord., Coldale)
Nicholson material: ENGLAND, Coldale, Westmorland
(AUGD 10617).
- Planolites granosus* Nicholson 1873 (nom. nud.) 1978
167, 31-32, pl. 4, figs. 3-5.
pl. 4, fig. 3, 3a AUGD 10618 (Ord., Outerside)
4 AUGD 10619 (Ord., Outerside)
5 AUGD 10620 (Ord., Ellergill)
Nicholson material: ENGLAND, Ellergill, Westmorland
(AUGD 10620), Outerside, Westmorland (AUGD
10618-9, 10621-3).
- Planolites vulgaris* Nicholson 1873 (nom. nud.), Nicholson
& Hinde 1874
67, 139. (Sil., Dundas)
80, 42, fig. 18. (Sil., Dundas)
179, fig. 63 (= 80, fig. 18).
174, fig. 348 (= 80, fig. 18).
167, 28-31, fig. 4 (copy), pl. 1, fig. 2, pl. 2, figs. 1, 3.
pl. 1, fig. 2 AUGD 10624 (Ord., Barff)
pl. 2, fig. 1 AUGD 10625 (Ord., Mirehouse)
3 AUGD 10626 (Ord., Outerside)
Nicholson material: ENGLAND, Barff, Westmorland
(AUGD 10624), Mirehouse, Westmorland (AUGD 10625),
Outerside, Westmorland (AUGD 10626).
Note: Alpert (1975) reviewed the ichnogenus *Planolites*
Nich. 1873 without knowledge of Nicholson's then
unpublished Ms. (167).
- Rusophycus bilobatus* Hall 1847
80, 38, fig. 14.
fig. 14 AUGD 4571 (Ord., Weston)
- Skolithos canadensis* Billings 1865
167, 22-23, pl. 2, fig. 2.
pl. 2, fig. 2 AUGD 10627 (Ord., Stiper Stones)
- Skolithos linearis* Hall 1847
167, 23-24. (Ord., USA and Labrador)
- Skolithos verticalis* Hall 1852
67, 138. (Sil., Dundas)
80, 40-1, fig. 16.
fig. 16 AUGD 10123 (Sil., Dundas)
167, 24. (Sil., Monroe Co., N.Y.)
- ALGAE**
- Girvanella problematica* Nicholson & Etheridge 1878
123, 23-4, pl. 9, fig. 24. (Ord., Tramitchell)
153, 22-4, fig. 5A, B
fig. 5A, B RSM slide 1968.15.391 (Ord., Craighead)
174, fig. 32 (= 153, fig. 5).
Nicholson material: SCOTLAND, Craighead, Ayrshire
(RSM slide 1968.15.391), Tramitchell, Ayrshire (BMNH
V20734, V34556; AUGD 1st yr. 1091, slide A2).
NEOTYPE: BMNH V34556: Wood 1957: 27.
- Mitcheleania gregaria* Nicholson 1888
153, 17-19, figs. 1A-G, 2. (Carb., Kershope Foot)
174, fig. 82 (= 153, fig. 2).
Nicholson material: SCOTLAND, Kershope Foot,
Roxburghshire (AUGD 1237 (83), 9835 (2), 10640 (2));
ENGLAND, High Longhouse, Northumberland (RSM
slides 1968.15.396-7).
Note: Wood (1940:221) says: 'Apparently Nicholson's
types are lost... In any case, it would be practically
impossible to identify the type specimens with
certainty from Nicholson's line drawings.'
NEOTYPE: GSM slide 70741 (Wethered Coll.): Wood,
1941:221.
- Nidulites favus* Salter 1851
123, 18-19, pl. 9, figs. 15-22.
pl. 9, fig. 15 BMNH V16092 (Ord., Mulloch Hill)
16 BMNH V16093 (Ord., Mulloch Hill)
17 BMNH V16094 (Ord., Mulloch Hill)
18 BMNH V16095 (Ord., Mulloch Hill)
19 BMNH V16106 ?
(Ord., Mulloch Hill)
20 BMNH V16096 (Ord., Mulloch Hill)
21 GSM 10480 (Ord., Haverford West)
22 BMNH V16097 (Ord., Mulloch Hill)
Note: pl. 9, fig. 22 is given as '24' on the plate.
- Nidulites parvus* Etheridge & Nicholson 1878
123, 18. (Ord., Balclatchie)
Note: This species was only provisionally proposed.
- Solenopora compacta* (Billings 1865)
142, 529-35, pl. 13, figs. 1, 4, 8.
pl. 13, fig. 4 BMNH slide V15942/3
(Ord., Prince Edward's County)
5 BMNH slide V15941
(Ord., Prince Edward's County)
6 AUGD slide 02808 (Ord., Saak)
7, 8 BMNH slide V15958
(Ord., Saak)
- Solenopora compacta* var. *peachii* (Nicholson &
Etheridge 1877)
113, 166-9, figs. d-g ('*Tetradium peachii*')
(Sil., Habbies Howe)
123, 31-3, pl. 1, fig. 3, pl. 2, fig. 1 ('*Tetradium peachii*').
pl. 1, fig. 3 RSM slide 1967.66.49 (Ord., Craighead)
pl. 2, fig. 1 RSM slide 1967.66.49 (Ord., Craighead)
1a RSM slide 1967.66.49 (Ord., Craighead)
1b BMNH V16080 (Ord., Craighead)
142, 534-5, pl. 13, figs. 2, 3, 9.
pl. 13, fig. 2 AUGD slide 02806 ? (Ord., Craighead)
3 AUGD slide 02805 ? (Ord., Craighead)
9 AUGD slide 02807 (Ord., Craighead)
153, 20-1, fig. 3A (= 142, pl. 13, fig. 1) -D.
fig. 3C AUGD slide 02808/BMNH slide
V15958 ? (Ord., Saak)
D BMNH slide V15959 (Ord., Saak)
174, fig. 83 (= 153, fig. 3).
Nicholson material: SCOTLAND, Craighead, Ayrshire

(RSM slide 1967.66.49; BMNH slides V16080, V45104, R475, R27245; AUGD 10636 (6), 10639, slides 02805-7), Girvan, Ayrshire (BMNH slides V45103), Habbies Howe, Midlothian (RSM slides 1967.66.50-56; BMNH R31131); ENGLAND, Froderley Quarry; Hoar Edge (BMNH slide V15955); USSR, Saak, Estonia (BMNH slides V15958-9; AUGD slide 02808).

Solenopora ? filiformis Nicholson 1888

153, 21-2, fig. 4.

fig. 4A BMNH slide V15952 (Ord., Craighead)

B BMNH slide V15953 (Ord., Craighead)

Nicholson material: SCOTLAND, Craighead, Ayrshire (BMNH slides V15952-4); ENGLAND, Malton, Yorkshire (AUGD 10637 (2)).

ADDENDA

- p. iv Note: R Kirkpatrick, who was the first to recognise the true sclerosponge affinities of stromatoporoids in 1912, later developed eccentric views in his book "The Nummulosphere" (1917; London, Lamley & Co.). Using Nicholson's slides, some of which he figured (pp. 221-235, fig. 29, 30, pl. 4) he interpreted stromatoporoids as inorganic accumulations of Foraminifera. See S.J. Gould, 1978. Crazy old Randolph Kirkpatrick. *Natural Science*, 87(3): 20.
- p. 19 *Actinostroma clathratum*
To list of Nicholson material from Teignmouth, add BMNH P5713, P5714(2).
- p. 20. *Actinostroma stellulatum*
To list of Nicholson material from Teignmouth, add BMNH P5942, from Gerolstein add BMNH P6117(3).
- p. 26. *Stromatopora carteri*
To list of Nicholson material add: Benthall Edge, Shropshire BMNH H4276
- p. 28. *Stromatopora mammillata* Nicholson 1873
Note: *non Stromatopora mammillata* Schmidt 1858
- p. 33. *Columnaria halli*
To the note add: Jull (1976a: pl. 1, figs. 1a, 3b) figures the 'holotypes', GSC 6690, 6690a, and discusses the hystero-ontogeny of *Foerstephyllum halli* (Nicholson 1875).
- p. 35. *Heliophyllum subcaespitosum*
To the list of Nicholson material from Western Ontario add: BMNH 56684, and from Arkona, add: AUGD 10745(2).
- p. 79. Additional reference: Jull, R.K., 1976a. Septal development during hystero-ontogeny in the the Ordovician tabulate coral *Foerstephyllum*. *J. Paleont.*, 50: 380-391.

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INDEX OF LOCALITIES

Note: Spelling of locality names is that used by Nicholson. Many have changed since then.

- Abereiddy Bay, Pembrokeshire, WALES.
- Aldens, Girvan, Ayrshire, SCOTLAND.
- Anticosti, Ontario, CANADA.
- Arbigland, Dumfriesshire, SCOTLAND.
- Ardmillan Brae, Girvan, Ayrshire, SCOTLAND.
- Ardwell, Girvan, Ayrshire, SCOTLAND.
- Arkona, Ontario, CANADA.
- Auchenskeoch, Dalry, Ayrshire, SCOTLAND.
- Ayrshire, SCOTLAND.
- Babbicombe, Devon, ENGLAND.
- Balcletchie, Girvan, Ayrshire, SCOTLAND.
- Barff, Keswick, Cumberland, ENGLAND.
- Bargany Pond, Girvan, Ayrshire, SCOTLAND.
- Barrow, Keswick, Cumberland, ENGLAND.
- Bathgate, West Lothian, SCOTLAND.
- Beith, Ayrshire, SCOTLAND.
- Benthall Edge, Much Wenlock, Shropshire, ENGLAND.
- Blair House, Girvan, Ayrshire, SCOTLAND.
- Boghead, Lesmahagow, Lanarkshire, SCOTLAND.
- Bow Bridge, Ludlow, Shropshire, ENGLAND.
- Braithwaite Brow, Cumberland, ENGLAND.
- Broadstones, Beith, Ayrshire, SCOTLAND.
- Brockley, Lesmahagow, Lanarkshire, SCOTLAND.
- Broken River, Queensland, AUSTRALIA.
- Broughton Moor, Cumberland, ENGLAND.
- Browgill, Westmorland, ENGLAND.
- Büchel, Eifel, GERMANY.
- Buildwas, Shropshire, ENGLAND.
- Cairn Ryan, Dumfriesshire, SCOTLAND.
- Cambridge, Cambridgeshire, ENGLAND.
- Canandaigua, New York, USA.
- Cape Churchill, Ontario, CANADA.
- Cape Smyth, Lake Huron, Ontario, CANADA.
- Cedarville, Ohio, USA.

Chalonnès, Mayenne, FRANCE.
 Charleston, Fife, SCOTLAND.
 Cincinnati, Ohio, USA.
 Coldale, Cumberland, ENGLAND.
 Collingwood, Ontario, CANADA.
 Columbus, Ohio, USA.
 Combe Hill, Henbury, Bristol, Gloucestershire, ENGLAND.
 Couchiching, Ontario, CANADA.
 Cousland, Dalkeith, Midlothian, SCOTLAND.
 Craighead, Girvan, Ayrshire, SCOTLAND.
 Credit River, Ontario, CANADA.
 Cults, Fife, SCOTLAND.
 Cumberland, ENGLAND.
 Dahlem, Eifel, GERMANY.
 Dartington, Devon, ENGLAND.
 Devonshire, ENGLAND.
 Dobb's Linn, Dumfriesshire, SCOTLAND.
 Dormington, Shropshire, ENGLAND.
 Drummuck, Girvan, Ayrshire, SCOTLAND.
 Dudley, Staffordshire, ENGLAND.
 Duffkinnel, Dumfriesshire, SCOTLAND.
 Dufton, Westmorland, ENGLAND.
 Dumfriesshire, SCOTLAND.
 Dunbar, East Lothian, SCOTLAND.
 Dundas, Ontario, CANADA.
 Durnish, Co. Limerick, EIRE.
 Ecclefechan, Dumfriesshire, SCOTLAND.
 Eifel, GERMANY.
 Ellergill, Milburn, Westmorland, ENGLAND.
 Elora, Ontario, CANADA.
 Erie Co., New York, USA.
 Errinal, Estonia, USSR.
 Estonia, USSR.
 Falls of the Ohio, Kentucky, USA.
 Fanning River, Queensland, AUSTRALIA.
 Feilden isthmus, Arctic.
 Fife, SCOTLAND.
 Frenchland Burn, Dumfriesshire, SCOTLAND.
 Garple Linn, Dumfriesshire, SCOTLAND.
 Gateside, Beith, Ayrshire, SCOTLAND.
 Gees, Gerolstein, Eifel, GERMANY.
 Gerolstein, Eifel, GERMANY.
 Girvan, Ayrshire, SCOTLAND.
 Glenkiln Burn, Dumfriesshire, SCOTLAND.
 Gotland, SWEDEN.
 Grieston, Innerleithen, Peeblesshire, SCOTLAND.
 Guelph, Ontario, CANADA.
 Habbies Howe, Pentland Hills, Midlothian, SCOTLAND.
 Hagersville, Ontario, CANADA.
 Hambrug, New York, USA.
 Hand, Paffrath, Eifel, GERMANY.
 Hardendale, Shap, Westmorland, ENGLAND.
 Harper's Hill, Maitland, New South Wales, AUSTRALIA.
 Hart Fell, Dumfriesshire, SCOTLAND.
 Haverfordwest, Pembrokeshire, WALES.
 Hayes River, Hudson Bay, Ontario, CANADA.
 Hebborn, Eifel, GERMANY.
 Helmside, Dent, Yorkshire, ENGLAND.
 Hespeler, Ontario, CANADA.
 Hodgson-How quarry, Portinscale, Cumberland, ENGLAND.
 Hoheneichen, Estonia, USSR.
 Horton, Ribblesdale, Yorkshire, ENGLAND.
 Indiana, USA.
 Ironbridge, Shropshire, ENGLAND.
 Jarvis, Ontario, CANADA.
 Kangatomapank, Oesel, Estonia, USSR.
 Kashmir, INDIA.
 Kattentack, Estonia, USSR.
 Kattripank, Oesel, Estonia, USSR.
 Kelley's Island, Ohio, USA.
 Kendal, Westmorland, ENGLAND.
 Kershope Foot, Roxburghshire, SCOTLAND.
 Knockdolian, Girvan, Ayrshire, SCOTLAND.
 Knockgardner, Ayrshire, SCOTLAND.
 Knockgeeran, Girvan, Ayrshire, SCOTLAND.
 La Baconnière, Laval, Mayenne, FRANCE.

Ladyburn, Drummuck, Girvan, Ayrshire, SCOTLAND.
 Lake Manitoba, Manitoba, CANADA.
 Lake Winnipegosis, Manitoba, CANADA.
 Lampeter, Pembrokeshire, WALES.
 Lanarkshire, SCOTLAND.
 Lancashire, ENGLAND.
 Langside, Beith, Ayrshire, SCOTLAND.
 L'Anse au Gascon, Quebec, CANADA.
 Lebanon, Ohio, USA.
 Little Red River, Manitoba, CANADA.
 Longmynd, Shropshire, ENGLAND.
 Long Sleddale, Cumberland, ENGLAND.
 Louisville, Kentucky, USA.
 Lummaton, Devon, ENGLAND.
 Manitoulin Island, Ontario, CANADA.
 Marblehead, Ottawa Co., Ohio, USA.
 Marion Co., Kentucky, USA.
 Mirehouse, Westmorland, ENGLAND.
 Monroe Co., New York, USA.
 Montjean, Gallois, FRANCE.
 Mosedale, Westmorland, ENGLAND.
 Much Wenlock, Shropshire, ENGLAND.
 Muirhouse, Skiddaw, Cumberland, ENGLAND.
 Muirkirk, Ayrshire, SCOTLAND.
 Mulloch Hill, Girvan, Ayrshire, SCOTLAND.
 Mungrisedale, Cumberland, ENGLAND.
 New South Wales, AUSTRALIA.
 Newton Abbott, Devon, ENGLAND.
 Northumberland, ENGLAND.
 Oesel, Estonia, USSR.
 Ohio, USA.
 Ontario, CANADA.
 Ottawa, Ontario, CANADA.
 Outerside, Westmorland, ENGLAND.
 Owen Sound, Ontario, CANADA.
 Paffrath, Eifel, GERMANY.
 Peelwyke, Cumberland, ENGLAND.
 Penkill, Girvan, Ayrshire, SCOTLAND.
 Penrith, Cumberland, ENGLAND.
 Penruddock, Cumberland, ENGLAND.
 Penwhapple Glen, Girvan, Ayrshire, SCOTLAND.
 Peterboro' (= Peterborough), Ontario, CANADA.
 Pit Park Quarry, Dartington, Devon, ENGLAND.
 Point Lévis, Quebec, CANADA.
 Pomeroy, EIRE.
 Port Colborne, Ontario, CANADA.
 Prince Edward's Co., Ontario, CANADA.
 Pull Beck, Ambleside, Westmorland, ENGLAND.
 Queensland, AUSTRALIA.
 Rake Beck, Melmerby, Westmorland, ENGLAND.
 Randal Crag, Cumberland, ENGLAND.
 Ravenswood, Bosanquet, Ontario, CANADA.
 Redesdale, Northumberland, ENGLAND.
 Ridgeway, Ontario, CANADA.
 Ristigouche, New Brunswick, CANADA.
 Rockford, Iowa, USA.
 Rockwood, Ontario, CANADA.
 Rough Range, Western Australia, AUSTRALIA.
 Saage/Ridaka, Estonia, USSR.
 Saak, Estonia, USSR.
 St. Mary's, Ontario, CANADA.
 Sandusky, Ohio, USA.
 Scale Hill, Crummock, Cumberland, ENGLAND.
 Sedbergh, Yorkshire, ENGLAND.
 Sedgeley, Shropshire, ENGLAND.
 Shaldon, Devon, ENGLAND.
 Shalloch Mill, Girvan, Ayrshire, SCOTLAND.
 Shap, Westmorland, ENGLAND.
 Shiels, East Kilbride, Lanarkshire, SCOTLAND.
 Shropshire, ENGLAND.
 Skelgill Beck, Westmorland, ENGLAND.
 Sötenich, Eifel, GERMANY.
 South Devon, ENGLAND.
 Steinbreche, Eifel, GERMANY.
 Stinchar River, Girvan, Ayrshire, SCOTLAND.

Stiper Stones, Shropshire, ENGLAND.
Stoke-Edith, Herefordshire, ENGLAND.
Storm Hill, Llandeilo, WALES.
Suffolk, ENGLAND.
Tasmania, AUSTRALIA.
Teignmouth, Devon, ENGLAND.
Thetford, Ontario, CANADA.
Thirdpart, Beith, Ayrshire, SCOTLAND.
Thornilee, Innerleithen, Peeblesshire, SCOTLAND.
Thornship Beck, Shap, Westmorland, ENGLAND.
Thorold, Ontario, CANADA.
Thraive Glen, Girvan, Ayrshire, SCOTLAND.
Toronto, Ontario, CANADA.
Torver Beck, Westmorland, ENGLAND.
Tramitchel (= Tormitchell), Girvan, Ayrshire, SCOTLAND.
Trearne, Beith, Ayrshire, SCOTLAND.
Trenton, Ontario, CANADA.
Viré, Sarthe, FRANCE.
Wainfleet, Ontario, CANADA.
Waldron, Indiana, USA.
Walpole, Ontario, CANADA.
Wath Brow, Cumberland, ENGLAND.
Waynesville, Ohio, USA.
Westmorland, ENGLAND.
Weston, Ontario, CANADA.
Whitby, Ontario, CANADA.
Whitehouse, Girvan, Ayrshire, SCOTLAND.
White Houses, Cumberland, ENGLAND.
Widder, Ontario, CANADA.
Wisby (= Visby), Gotland, SWEDEN.
Woodland Point, Girvan, Ayrshire, SCOTLAND.
Wood Point, Ontario, CANADA.
Woodstock, Ontario, CANADA.
Yellow Springs, Ohio, USA.

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<i>boothii, Dalmanites</i>	65	<i>canadensis, Alecto ?</i>	47	<i>Clathrodictyon</i>	21
<i>borealis, Caryophyllia</i>	38	<i>canadensis, Asaphus</i>	64	<i>Clathropora</i>	51
<i>borealis, Duncanella</i>	34	<i>canadensis, Aulopora (?)</i>	39	<i>clausa, Favosites</i>	41
<i>borealis, Stromatopora</i>	26	<i>canadensis, Fistulipora</i>	52	<i>clausa, Vermipora</i>	47
<i>Botryllopora</i>	48	<i>canadensis, Hederella</i>	54	<i>clavacoidea, Monticulipora (Monotrypa)</i>	56
<i>bowerbanki, Favosites</i>	41	<i>canadensis, Labechia</i>	23	<i>clavaria, Porites</i>	38
<i>bowmani, Illaenus</i>	65	<i>canadensis, Megalomus</i>	63	<i>clavifrons, Cheirurus</i>	65
<i>boylei, Holoepa</i>	62	<i>canadensis, Skolithos</i>	77	<i>Cleidophorus</i>	63
<i>brachypyrgus, Proetus</i>	66	<i>Caninia</i>	32	<i>Cleistopora</i>	40
<i>breviuscula, Calostylis</i>	32	<i>Cannapora</i>	39	<i>Climacograptus</i>	69
<i>briarea, Monticulipora (Monotrypa)</i>	56	<i>capillaris, Rastrites</i>	74	<i>clingani, Graptolites</i>	73
<i>briareus, Chaetetes</i>	39, 49	<i>capitata, Parallelopora</i>	24	<i>clintonensis, Acervularia</i>	31
<i>brongniarti, Phacops</i>	66	<i>capitatum, Idiostroma</i>	23	<i>Clisiophyllum</i>	32
<i>Bronteopsis</i>	64	<i>Capulus</i>	61	<i>cobourgensis, Lingula</i>	60
<i>Bronteus</i>	64	<i>Carcinophyllum</i>	32	<i>coccinea, Distichopora</i>	31
<i>broughtonensis, Monograptus</i>	74	<i>Caridolites</i>	76	<i>Coelospira</i>	60
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<i>buecheliensis, Stromatopora</i>	26	<i>carteri, Stromatopora</i>	26	<i>colbornense, Heliophyllum</i>	34
<i>bucklandi, Trinucleus seticornis</i>	67	<i>Caryocaris</i>	68	<i>colliculata, Stromatopora concentrica</i>	26
<i>bulloides, Globigerina</i>	18	<i>Caryophyllia</i>	38	<i>colligatum, Heliophyllum</i>	34
<i>Buthotrephis</i>	76	<i>catenularia, Halysites</i>	43	<i>colonus, Graptolites</i>	73
<i>caduceus, Didymograptus</i>	70	<i>Caunopora</i>	21	<i>columnare, Stylodictyon</i>	30
<i>caerulea, Heliopora</i>	31	<i>cayugaense, Heliophyllum</i>	34	<i>Columnaria</i>	32
<i>calcareus, Encrinurus punctatus</i>	65	<i>cellulosum, Clathrodictyon</i>	21	<i>columnaris, Lindstroemia</i>	35
<i>calceola, Monticulipora (Monotrypa)</i>	56	<i>Centronella</i>	60	<i>columnaris, Syringostroma</i>	30
<i>Calipora</i>	39	<i>Ceramopora</i>	48		

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<i>cometa, Diplograptus</i>	71	<i>crassicauda, Illaenus</i>	65	<i>ramosa</i>	
<i>comma, Beyrichia</i>	67	<i>crassimarginatus, Proetus</i>	66	<i>dalmanni, Lindstroemia (Cyathaxonia)</i>	35
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<i>concava, Coelospira</i>	60	<i>Crepidophyllum</i>	33	<i>Dania</i>	41
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<i>Conchicolites</i>	75	<i>cribrosa, Fenestella</i>	52	<i>davidsoni, Acervularia</i>	31
<i>concinnum, Diphyphyllum</i>	34	<i>cribrosa, Laceripora</i>	44	<i>davidsoni, Orthis calligramma</i>	60
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<i>Coscinium</i>	52	<i>Cyrtograptus</i>	69	<i>Dindymene</i>	65
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<i>Crania</i>	60	<i>Cythere</i>	67	<i>Diphyphyllum</i>	34
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<i>dumosus, Platyceras</i>	62	<i>expansum, Actinostroma</i>	19	<i>foliacea, Heliolites</i>	43
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<i>inosculans, Tetragraptus</i>	75	<i>lanceolatus, Trigonograptus</i>	75	<i>longissimus, Endoceras</i>	63
<i>insectiformis, Diplograptus</i>	72	<i>lapworthi, Azygograptus</i>	69	<i>longissimus, Serpulites</i>	76
<i>intermedia, Athyris</i>	59	<i>lapworthi, Dionide</i>	65	<i>Lonsdaleia</i>	36
<i>intermedia, Clathropora</i>	52	<i>lapworthi, Pinnocaris</i>	63, 68	<i>Lophiostroma</i>	24
<i>intermedia, Meristella</i>	60	<i>lata, Crossopodia</i>	76	<i>Lophophyllum</i>	36
<i>intermedia, Ortonia</i>	75	<i>lata, Pocillopora aspera</i>	38	<i>ludensis, Fistulipora</i>	53
<i>intermedia, Syringopora</i>	46	<i>laterispirifer, Remopleurides</i>	67	<i>lunata, Coenites</i>	40
<i>intermedium, Platyceras</i>	62	<i>latus, Graptolites</i>	73	<i>lycoperdon, Chaetetes</i>	40
<i>interruptum, Koninckophyllum</i>	35	<i>laxata, Syringopora</i>	47	<i>Lyellia</i>	44
<i>interstincta, Heliolites</i>	44	<i>laxatus, Amplexus</i>	31	<i>Lyopora</i>	44
<i>intertexta, Clathropora</i>	52	<i>laxatus, Lichas</i>	66	<i>Lyrodesma</i>	63
<i>intertextum, Actinostroma</i>	19	<i>laxum, Clathrodictyon</i>	21	<i>maccalumi, Ampyx</i>	64
<i>invaginata, Favosites</i>	42	<i>leichardtii, Stenopora</i>	59	<i>maccalumi, Illaenus</i>	65
<i>irregulare, Actinostroma</i>	20	<i>Leiorhynchus</i>	60	<i>macconochiei, Ampyx</i>	64
<i>irregulare, Lithostrotion</i>	35	<i>lenticularis, Pleurotomaria</i>	62	<i>macconochiei, Trinucleus</i>	67
<i>irregularis, Monticulipora (Monotrypa)</i>	56	<i>lepida, Chonetes</i>	60	<i>maclurei, Syringopora</i>	47
<i>Ischadites</i>	18	<i>Lepidocentrus</i>	68	<i>macrocytis, Rosenella</i>	25
<i>jackii, Stenopora</i>	59	<i>Leptaena</i>	60	<i>macrospira, Murchisonia</i>	62
<i>jamesi, Chaetetes</i>	40, 50	<i>Leptoceelia</i>	60	<i>magnifica, Fenestella</i>	52
<i>jamesi, Monticulipora</i>	54	<i>Lichas</i>	66	<i>magnificum, Koninckophyllum</i>	35
<i>jamesi, Monticulipora (Heterotrypa)</i>	55	<i>Limulus</i>	67	<i>magnificus, Dinobolus</i>	60
<i>judex, Harpes</i>	65	<i>lindstroemi, Calostylis</i>	32	<i>maia, Athyris (?)</i>	59
<i>junceum, Lithostrotion</i>	35	<i>lindstroemi, Koninckophyllum</i>	35	<i>maida, Lingula</i>	60
<i>juniperinus, Coenites</i>	40	<i>Lindstroemia</i>	35	<i>major, Beyrichia aldensis</i>	67
<i>keyserlingi, Clisiophyllum</i>	32	<i>linearis, Coenites</i>	40	<i>major, Graptolites nilssoni</i>	73
<i>kloedeni, Beyrichia</i>	67	<i>linearis, Pleurograptus</i>	74	<i>major, Nemertites</i>	76
<i>koenigii, Ischadites</i>	18	<i>linearis, Skolithos</i>	77	<i>mammillata, Stromatopora</i>	28
<i>koninckianum, Aspidophyllum</i>	31	<i>lineata, Chonetes</i>	60	<i>mammulata, Monticulipora</i>	54
<i>koninckii, Palaeacis cyclostoma</i>	45	<i>Lingula</i>	60	<i>mammulata, Monticulipora (Heterotrypa)</i>	55
<i>Koninckophyllum</i>	35	<i>linnaei, Rastrites</i>	74	<i>mammulatus, Chaetetes</i>	40, 50
<i>labechei, Alveolites</i>	38	<i>linnarssoni, Clathrodictyon</i>	22	<i>marginalis, Fenestella</i>	52
<i>labechei, Caliapora</i>	39	<i>linneana, Striatopora</i>	46	<i>martini, Lithostrotion</i>	35
<i>Labechia</i>	23	<i>Lithostrotion</i>	35	<i>matutinum, Actinostroma</i>	20
<i>labiosa, Alveolites</i>	38	<i>livia, Orthis</i>	60	<i>m'chesneyi, Dibunophyllum</i>	33
<i>Laceripora</i>	44	<i>lobiferus, Graptolites</i>	73	<i>m'coyanum, Lithostrotion</i>	35
<i>lacertosa, Ophioglypha</i>	68	<i>Loftusia</i>	18		

<i>meeeki</i> , <i>Monticulipora</i> (<i>Heterotrypa</i>) <i>gracilis</i>	55	<i>muirheadi</i> , <i>Dibunophyllum</i>	34	<i>nobilis</i> , <i>Syringopora</i>	47
<i>meeeki</i> , <i>Ptilodictya</i>	58	<i>mullochensis</i> , <i>Favosites</i>	42	<i>nodosa</i> , <i>Millepora</i>	31
<i>Megalomus</i>	63	<i>multicameratum</i> , <i>Orthoceras</i>	63	<i>nodulata</i> , <i>Stromatopora</i>	28
<i>megalops</i> , <i>Cyphaspis</i>	65	<i>multicosta</i> , <i>Leiorhynchus</i>	60	<i>nodulatum</i> , <i>Syringostroma</i>	30
<i>megastoma</i> , <i>Heliolites</i>	44	<i>multilamellata</i> , <i>Zaphrentis</i>	37	<i>nodulosa</i> , <i>Beatricea</i>	21
<i>meridionalis</i> , <i>Pachypora</i>	44	<i>multiplex</i> , <i>Dichograptus</i>	70	<i>nodulosa</i> , <i>Monticulopora</i> (<i>Heterotrypa</i>)	55
<i>Meristella</i>	60	<i>multiplex</i> , <i>Temnograptus</i> (<i>Dichograptus</i>)	75	<i>nodulosus</i> , <i>Amplexus</i>	31
<i>michelini</i> , <i>Cladochonus</i> (<i>Pyrgia</i>)	40	<i>multiplora</i> , <i>Favosites</i>	43	<i>nodulosus</i> , <i>Chaetetes</i> ?	40, 50
<i>Michelinia</i>	44	<i>murchisoni</i> , <i>Favosites</i>	43	<i>nodulosus</i> , <i>Staurocephalus</i>	67
<i>Microcyclus</i>	36	<i>murchisoni</i> , <i>Campophyllum</i>	32	<i>normalis</i> , <i>Climacograptus</i>	69
<i>milesi</i> , <i>Dichograptus</i> (<i>Graptolithus</i>)	70	<i>murchisoni</i> , <i>Cyrtograptus</i>	69	<i>nulliporoides</i> , <i>Stromatopora</i>	28
<i>miliaria</i> , <i>Monticulipora</i> (<i>Heterotrypa</i>) <i>tumida</i>	56	<i>murchisoni</i> , <i>Didymograptus</i>	71	<i>nummiformis</i> , <i>Callopora</i>	48
<i>Millepora</i>	31	<i>murchisoni</i> , <i>Iliaenus</i>	66	<i>nummulina</i> , <i>Fistulipora</i>	53
<i>minor</i> , <i>Fistulipora</i>	53	<i>murchisoni</i> , <i>Myrianites</i>	76	<i>Nyctopora</i>	44
<i>minor</i> , <i>Graptolites nilssoni</i>	73	<i>Murchisonia</i>	62	<i>obliquus</i> , <i>Strophostylus</i>	62
<i>minor</i> , <i>Nemertites</i>	76	<i>muscosa</i> , <i>Fistulipora</i>	53	<i>oblonga</i> , <i>Amphispongia</i>	18
<i>minor</i> , <i>Ortonia</i>	75	<i>musica</i> , <i>Tubipora</i>	31	<i>oblongus</i> , <i>Pentamerus</i>	60
<i>minor</i> , <i>Roemeria</i>	46	<i>Myalina</i>	63	<i>obtusa</i> , <i>Palaeacis</i>	45
<i>minus</i> , <i>Tetradium</i>	47	<i>Myelodactylus</i>	68	<i>occidentalis</i> , <i>Holopea</i> ?	62
<i>minus</i> , <i>Thysanophyllum</i>	37	<i>Myrianites</i>	76	<i>occidentalis</i> , <i>Pentamerus</i>	60
<i>minutissima</i> , <i>Callopora</i>	48	<i>nacrea</i> , <i>Strophomena</i>	61	<i>occidentalis</i> , <i>Stylaraea</i>	46
<i>mirabilis</i> , <i>Cryptopora</i>	52	<i>nana</i> , <i>Callopora</i>	48	<i>octobrachiatus</i> , <i>Dichograptus</i>	70
<i>mirus</i> , <i>Sphaerexochus</i>	67	<i>nasuta</i> , <i>Athyris</i>	59	<i>oculatum</i> , <i>Idiostroma</i>	23
<i>Mitcheledeania</i>	77	<i>naviformis</i> , <i>Athyris</i>	59	<i>oehlerti</i> , <i>Endophyllum</i>	34
<i>Modiolopsis</i>	63	<i>naviformis</i> , <i>Meristella</i>	60	<i>oehlerti</i> , <i>Pachypora</i>	44
<i>molesta</i> , <i>Monticulipora</i> (<i>Peronopora</i>)	57	<i>neglecta</i> , <i>Rhynchonella</i>	61	<i>ohioense</i> , <i>Cystiphyllum</i>	33
<i>moniliformis</i> , <i>Chaetetes</i>	40, 50	<i>neglectus</i> , <i>Tentaculites</i>	75	<i>ohioensis</i> , <i>Ceramopora</i>	48
<i>moniliformis</i> , <i>Monticulipora</i>	54	<i>Nemertites</i>	76	<i>ohioensis</i> , <i>Labechia</i>	24
<i>moniliformis</i> , <i>Monticulipora</i> (<i>Heterotrypa</i>)	55	<i>neozelanica</i> , <i>Heteropora</i>	54	<i>ollivantii</i> , <i>Nemertites</i>	77
<i>Monilipora</i>	44	<i>Nereites</i>	77	<i>omphalodes</i> , <i>Spirorbis</i>	76
<i>Monograptus</i>	74	<i>nervata</i> , <i>Fenestella</i>	52	<i>Omphyma</i>	36
<i>Monotrypa</i>	54	<i>newberryi</i> , <i>Chaetetes</i>	40, 50	<i>oneidaense</i> , <i>Acrophyllum</i>	31
<i>Monotrypella</i>	54	<i>newberryi</i> , <i>Monticulipora</i> (<i>Prasopora</i>)	57	<i>oneidaense</i> , <i>Clisiophyllum</i>	32
<i>Monticulipora</i>	54	<i>nexilis</i> , <i>Iliaenus</i>	66	<i>o'nealli</i> , <i>Monticulipora</i> (<i>Heterotrypa</i>)	55
<i>moroides</i> , <i>Cheirurus</i> (<i>Pseudosphaerexochus</i>)	65	<i>niagarensis</i> , <i>Alveolites</i>	38	<i>Ophioglypha</i>	68
<i>mortoni</i> , <i>Sphaerulites</i> (<i>Radiolites</i>)	63	<i>niagarensis</i> , <i>Favosites</i>	43	<i>ordinatum</i> , <i>Haimeophyllum</i>	43
<i>mucronata</i> , <i>Chonetes</i>	60	<i>niagarensis</i> , <i>Spirifera</i>	61	<i>orientale</i> , <i>Thysanophyllum</i>	37
<i>mucronata</i> , <i>Phacops</i>	66	<i>nicholsoni</i> , <i>Pachypora</i>	44	<i>ornata</i> , <i>Trachypora</i>	47
<i>mucronata</i> , <i>Spirifera</i>	61	<i>nicoli</i> , <i>Graptolites lobiferus</i>	73	<i>Orthis</i>	60
<i>mucronatus</i> , <i>Diplograptus</i>	72	<i>Nidulites</i>	77	<i>Orthoceras</i>	63
		<i>nilssoni</i> , <i>Graptolites</i>	73	<i>ortoni</i> , <i>Chaetetes</i>	40, 50
		<i>nitidus</i> , <i>Didymograptus</i>	71	<i>ortoni</i> , <i>Monticulipora</i> (<i>Peronopora</i>)	57

<i>Ortonia</i>	75	<i>perplana, Strophomena</i>	61	<i>Porites</i>	38
<i>ostiolata, Parallelopora</i>	25	<i>perrugatus, Agnostus</i>	64	<i>porosa, Heliolites</i>	44
<i>ostiolata, Stromatopora</i>	28	<i>petaliformis, Plasmopora</i>	45	<i>Porosphaera</i>	18
<i>ostiolata, Trematopora</i>	59	<i>petasiformis, Monticulipora</i>	54	<i>porpita, Palaeocyclus</i>	36
<i>ostiolatum, Clathrodictyon</i>	22	<i>petasiformis, Monticulipora (Monotrypa)</i>	56	<i>portlocki, Lithostrotion</i>	36
<i>ovata, Pholidops</i>	61	<i>petechialis, Chaetetes</i>	40, 51	<i>poststriata, Lyrodesma</i>	63
<i>ovata, Stenopora</i>	59	<i>Petrata</i>	36	<i>Prasopora</i>	57
<i>ovatus, Strophostylus ?</i>	62	<i>petropolitana, Monticulipora</i>	54	<i>primaeva, Salteria</i>	67
<i>pachyphylla, Rosenella</i>	25	<i>petropolitana, Monticulipora (Diplotrypa)</i>	55	<i>Primitia</i>	68
<i>Pachypora</i>	44	<i>petropolitanus, Chaetetes</i>	40, 51	<i>priodon, Graptolites</i>	73
<i>Pachystroma</i>	24	<i>Phacops</i>	66	<i>prisca, Retepora</i>	58
<i>pachystroma, Striatopora</i>	46	<i>Phaenopora</i>	57	<i>pristiniformis, Diplograptus</i>	72
<i>Palaeacis</i>	45	<i>Phillipsastraea</i>	36	<i>pristis, Diplograptus</i>	72
<i>Palaeocyclus</i>	36	<i>phillipsianum, Rhodophyllum</i>	36	<i>problematica, Girvanella</i>	77
<i>Palaeophycus</i>	77	<i>phillipsi, Lithostrotion</i>	36	<i>problematicum, Pleurodictyum</i>	45
<i>Palaeophyllum</i>	36	<i>phillipsi, Retepora</i>	58	<i>procerus, Proetus</i>	66
<i>palmata, Stylophora</i>	38	<i>Pholidops</i>	61	<i>Productella</i>	61
<i>palmatum, Eophyton (?)</i>	76	<i>Phyllograptus</i>	74	<i>Proetus</i>	66
<i>palmeus, Diplograptus</i>	72	<i>Phyllopora</i>	57	<i>profunda, Acervularia</i>	31
<i>pandora, Streptorhynchus</i>	61	<i>physophora, Diplograptus</i>	72	<i>proliferum, Heliophyllum</i>	34
<i>papillatus, Chaetetes</i>	40	<i>pilula, Fistulipora (?)</i>	53	<i>proliferum, Koninckophyllum</i>	35
<i>paracida, Cyathophyllum</i>	33	<i>Pinacopora</i>	45	<i>prolifera, Zaphrentis</i>	37
<i>Parallelopora</i>	24	<i>Pinnocaris</i>	63, 68	<i>Propora</i>	45
<i>parasitica, Heliolites</i>	44	<i>planoconvexa, Leptocoelia</i>	60	<i>proporoides, Fistulipora</i>	53
<i>Parkeria</i>	18	<i>Planolites</i>	77	<i>Protaraea</i>	45
<i>parvulum, Lophophyllum</i>	36	<i>planulatus, Cleidophorus</i>	63	<i>proteiforme, Endoceras</i>	63
<i>parvus, Nidulites</i>	77	<i>Plasmopora</i>	45	<i>Ptilodictya</i>	57
<i>patersoni, Strophomena</i>	61	<i>plasmoporoides, Heliolites</i>	44	<i>Ptilograptus</i>	68
<i>patula, Zaphrentis</i>	37	<i>Platyceras</i>	62	<i>pulchella, Monotrypella (Monotrypa)</i>	54
<i>patulus, Didymograptus</i>	71	<i>Platyostoma</i>	62	<i>pulchella, Monticulipora</i>	54
<i>pavonia, Monticulipora (Monotrypa)</i>	56	<i>pleurodictyoides, Favosites</i>	43	<i>pulchella, Monticulipora (Monotrypa)</i>	56
<i>peachii, Solenopora compacta</i>	77	<i>Pleurodictyum</i>	45	<i>pulchella, Polypora</i>	57
<i>peachii, Tetradium</i>	47	<i>Pleurograptus</i>	74	<i>pulchellus, Chaetetes</i>	40, 51
<i>peachii, Turrilepas</i>	68	<i>Pleurotomaria</i>	62	<i>punctata, Favosites</i>	43
<i>pelliculata, Heteropora</i>	54	<i>plicatella, Orthis</i>	60	<i>punctata, Ptilodictya</i>	58
<i>Peltocaris</i>	68	<i>pluriradiale, Clistophyllum</i>	32	<i>punctatus, Encrinurus</i>	65
<i>penniformis, Taeniopora</i>	59	<i>Pocillopora</i>	38	<i>punctulifera, Beyrichia</i>	67
<i>Pentamerus</i>	60	<i>polymorpha, Favosites</i>	43	<i>putillus, Diplograptus</i>	72
<i>peregrinus, Rastrites</i>	74	<i>Polypora</i>	57	<i>quadrangularis, Chaetetes</i>	40, 51
<i>perelegans, Syringopora</i>	47	<i>polystomella, Constellaria</i>	52	<i>quadrata, Monticulipora (Monotrypa)</i>	56
<i>perforata, Stromatopora</i>	28	<i>ponderosa, Stromatopora</i>	28	<i>quadribrachiatus, Tetragraptus</i>	75
<i>perlatus, Regiolites</i>	74			<i>quadrimucronatus, Diplograptus</i>	72

<i>radians</i> , <i>Ascodictyon</i>	48	<i>Rhombopora</i>	58	<i>sedgwickii</i> , <i>Graptolites</i>	74
<i>radians</i> , <i>Chaetetes</i>	40	<i>Rhynchonella</i>	61	<i>selwynii</i> , <i>Alveolites</i>	39
<i>radiata</i> , <i>Amboynchia</i>	63	<i>ristigouchense</i> , <i>Syringostroma</i> (?)	30	<i>selwynii</i> , <i>Monticulipora</i>	54
<i>radiata</i> , <i>Buthotrephis</i> (?)	76	<i>robustus</i> , <i>Arenicolites</i>	76	<i>selwynii</i> , <i>Monticulipora</i> (<i>Prasopora</i>)	57
<i>radiatum</i> , <i>Koninckophyllum</i>	35	<i>roemeri</i> , <i>Alveolites</i>	39	<i>selwynii</i> , <i>Stromatoporella</i>	30
<i>radiatus</i> , <i>Asaphus</i>	64	<i>roemeri</i> , <i>Idiostroma</i>	23	<i>semiovata</i> , <i>Alveolaria</i>	47
<i>ramosa</i> , <i>Amphipora</i>	20	<i>Roemeria</i>	46	<i>senaria</i> , <i>Calymene</i>	64
<i>ramosa</i> , <i>Monticulipora</i>	54	<i>romingeri</i> , <i>Fistulipora</i>	53	<i>senacaense</i> , <i>Cystiphyllum</i>	33
<i>ramosa</i> , <i>Monticulipora</i> (<i>Heterotrypa</i>)	55	<i>Romingeria</i>	46	<i>seposita</i> , <i>Stromatopora huepschii</i>	27
<i>ramosa</i> , <i>Stachyodes</i>	25	<i>rosenbergii</i> , <i>Iliaenus</i>	66	<i>septosa</i> , <i>Alveolites</i>	39
<i>ramosus</i> , <i>Chaetetes</i>	40, 51	<i>Rosenella</i>	25	<i>septosus</i> , <i>Chaetetes</i>	40
<i>ramosus</i> , <i>Dicranograptus</i>	70	<i>rostrata</i> , <i>Spirigera</i>	61	<i>seriata</i> , <i>Favosites</i>	43
<i>ramulosa</i> , <i>Alveolites</i>	38	<i>rostratus</i> , <i>Ampyx</i>	64	<i>sericea</i> , <i>Leptaena</i>	60
<i>rana</i> , <i>Phacops</i>	66	<i>rotunda</i> , <i>Dawsonia</i>	69	<i>serotina</i> , <i>Helicotoma</i>	62
<i>raricosta</i> , <i>Spirifera</i>	61	<i>rubra</i> , <i>Corallium</i>	31	<i>serotina</i> , <i>Labechia</i>	24
<i>raripora</i> , <i>Ptilodictya</i> (?)	58	<i>rugosa</i> , <i>Callopora</i> (<i>Heterotrypa</i>)	48	<i>Serpula</i>	75
<i>Rastrites</i>	74	<i>rugosa</i> , <i>Cybele</i>	65	<i>serpularius</i> , <i>Cornulites</i>	75
<i>recurvirostris</i> , <i>Rhynchonella</i>	61	<i>rugosa</i> , <i>Lonsdaleia</i>	36	<i>Serpulites</i>	76
<i>rediviva</i> , <i>Cyclopyge</i>	65	<i>rugosa</i> , <i>Monticulipora</i>	54	<i>serratus</i> , <i>Didymograptus</i>	71
<i>regium</i> , <i>Cyathophyllum</i>	33	<i>rugosa</i> , <i>Monticulipora</i> (<i>Heterotrypa</i>) <i>ramosa</i>	56	<i>seticornis</i> , <i>Trinucleus</i>	67
<i>regulare</i> , <i>Clathrodictyon</i>	22	<i>rugosa</i> , <i>Stromatopora</i>	28	<i>sextans</i> , <i>Didymograptus</i>	71
<i>Remopleurides</i>	66	<i>rugosus</i> , <i>Chaetetes</i>	40, 31	<i>sigillarioides</i> , <i>Chaetetes</i>	40, 51
<i>repens</i> , <i>Aulopora</i>	39	<i>Rusophycus</i>	77	<i>simcoense</i> , <i>Eridophyllum</i>	34
<i>Retepora</i>	58	<i>Saccamina</i>	18	<i>simplex</i> , <i>Rhodophyllum</i>	36
<i>reticularis</i> , <i>Atrypa</i>	60	<i>sagittarius</i> , <i>Graptolites</i>	73	<i>sinuatus</i> , <i>Diplograptus</i>	72
<i>reticulata</i> , <i>Favosites</i>	43	<i>Salteria</i>	67	<i>Skolithos</i>	77
<i>reticulata</i> , <i>Syringopora</i>	47	<i>scabiosa</i> , <i>Labechia</i>	24	<i>slimonianum</i> , <i>Rhodophyllum</i>	36
<i>reticulatum</i> , <i>Lophophyllum</i>	36	<i>scalaris</i> , <i>Graptolites</i>	74	<i>socialis</i> , <i>Botryllopora</i>	48
<i>reticulatus</i> , <i>Dichograptus</i>	70	<i>schafferi</i> , <i>Ptilodictya</i>	58	<i>socialis</i> , <i>Dictyonema</i>	68
<i>reticulatus</i> , <i>Schizograptus</i> (<i>Dichograptus</i>)	74	<i>Schizograptus</i>	74	<i>socialis</i> , <i>Stromatoporella</i>	30
<i>retiforme</i> , <i>Clathrodictyon</i>	22	<i>schlueteri</i> , <i>Hermatostroma</i>	23	<i>solarioides</i> , <i>Pleurotomaria</i>	62
<i>retiforme</i> , <i>Koninckophyllum</i>	35	<i>schmidtii</i> , <i>Actinostroma</i>	20	<i>Solenocaris</i>	63
<i>retiforme</i> , <i>Stylodictyon</i>	30	<i>schmidtii</i> , <i>Labechia</i> ?	24	<i>solenoides</i> , <i>Solenocaris</i>	63
<i>retiformis</i> , <i>Syringopora</i>	47	<i>schmidtii</i> , <i>Lophiostroma</i>	24	<i>Solenopora</i>	77
<i>Retiolites</i>	74	<i>scita</i> , <i>Plasmopora</i>	45	<i>solitaria</i> , <i>Stromatoporella</i>	30
<i>Retzia</i>	61	<i>scitula</i> , <i>Chonetes</i>	60	<i>sparsus</i> , <i>Arenicolites</i>	76
<i>Rhabdomeson</i>	58	<i>scotica</i> , <i>Bronteopsis</i>	64	<i>spatiosa</i> , <i>Zaphrentis</i>	37
<i>Rhaphidopora</i>	45	<i>scotica</i> , <i>Crossopodia</i>	76	<i>Sphaerexochus</i>	67
<i>Rhinopora</i>	58	<i>scotica</i> , <i>Turrilepas</i>	68	<i>Sphaerulites</i>	63
<i>Rhodophyllum</i>	36	<i>scoticum</i> , <i>Lophophyllum</i>	36	<i>spinigerus</i> , <i>Graptolites sedgwickii</i>	74
<i>rhombicus</i> , <i>Chaetetes</i>	40, 51	<i>scoticus</i> , <i>Thecostegites</i>	47	<i>spinosa</i> , <i>Atrypa</i>	60
<i>rhomboidalis</i> , <i>Strophomena</i>	61	<i>sculptilis</i> , <i>Spirifera</i>	61	<i>spinuliferus</i> , <i>Spirorbis</i>	76

<i>Spirifera</i>	61	<i>subglobosus, Strophostylus ?</i>	62	<i>Trematopora</i>	59
<i>spiriferoides, Spirigera</i>	61	<i>suborbicularis, Alveolites</i>	39	<i>trentonensis, Monticulipora (Heterotrypa)</i>	56
<i>Spirigera</i>	61	<i>subplana, Strophomena</i>	61	<i>trentonensis, Retepora</i>	58
<i>Spirorbis</i>	76	<i>subpulchellus, Chaetetes</i>	40, 51	<i>triangulatus, Graptolites sedgwickii</i>	74
<i>splendens, Dibunophyllum</i>	34	<i>subpulchellus, Monticulipora (Heterotrypa)</i>	56	<i>Trichograptus</i>	75
<i>squamiformis, Lingula</i>	60	<i>subquadrata, Orthis</i>	60	<i>trifoliata, Fistulipora</i>	54
<i>squamosum, Cystiphyllum</i>	33	<i>substriatella, Stromatopora</i>	28	<i>trigonale, Conocardium</i>	63
<i>Stachyodes</i>	25	<i>subturbinata, Omphyma</i>	36	<i>Trigonograptus</i>	75
<i>Stauria</i>	37	<i>Subulites</i>	62	<i>Trimerella</i>	61
<i>Staurocephalus</i>	67	<i>suevicum, Actinostroma intertextum</i>	20	<i>Trinucleus</i>	67
<i>stellata, Domopora</i>	52	<i>sulcatum, Cystiphyllum</i>	33	<i>trispinosus, Cheirurus</i>	65
<i>stellata, Favistella</i>	34	<i>superbum, Cystiphyllum</i>	33	<i>truncocaudata, Phacops</i>	66
<i>stellata, Tennysonia</i>	59	<i>swindernana, Thecia</i>	47	<i>tubaeformis, Aulopora</i>	39
<i>stellatum, Ascodictyon</i>	48	<i>Syringolites</i>	46	<i>tuberculata, Monticulipora (Monotrypa)</i>	57
<i>stellulatum, Actinostroma</i>	20	<i>Syringopora</i>	46	<i>tuberculata, Polypora</i>	57
<i>Stenopora</i>	58	<i>Syringostroma</i>	30	<i>tuberculata, Stromatopora</i>	28
<i>stokesii, Phacops</i>	66	<i>Tabulipora</i>	59	<i>tuberculata, Stromatoporella</i>	30
<i>Stoliczkaia</i>	31	<i>Taeniopora</i>	59	<i>tuberculatus, Chaetetes</i>	40, 51
<i>Stomatopora</i>	59	<i>tamariscus, Diplograptus</i>	72	<i>tuberculatus, Climacograptus</i>	69
<i>stramineum, Diphyphyllum</i>	34	<i>tasmaniensis, Stenopora</i>	59	<i>tuberculo-carinata, Fenestella</i>	52
<i>Streptelasma</i>	37	<i>Temnograptus</i>	75	<i>tuberosa, Favosites forbesi</i>	42
<i>Streptorhynchus</i>	61	<i>tenella, Polypora</i>	57	<i>Tubipora</i>	31
<i>striatella, Stromatopora</i>	28	<i>Tennysonia</i>	59	<i>tubulariformis, Diplograptus</i>	73
<i>striatellum, Clathrodactyon</i>	22	<i>Tentaculites</i>	75	<i>tubulata, Propora</i>	45
<i>Striatopora</i>	46	<i>tenuiceps, Fenestella</i>	52	<i>tumida, Monticulipora</i>	54
<i>strictum, Eridophyllum</i>	34	<i>tenuis, Fenestella</i>	52	<i>tumida, Monticulipora (Heterotrypa)</i>	56
<i>Stromatocerium</i>	25	<i>tenuis, Graptolites</i>	74	<i>turbinata, Favosites</i>	42
<i>Stromatopora</i>	25	<i>tenuis, Myrianites</i>	76	<i>turriculatus, Graptolites</i>	74
<i>Stromatoporella</i>	29	<i>tenuistriata, Dawsonia</i>	69	<i>Turrilepas</i>	68
<i>stromatoporoides, Rhapsidopora</i>	46	<i>teretiusculus, Climacograptus</i>	69	<i>turritiformis, Murchisonia</i>	62
<i>Strophomena</i>	61	<i>teretiusculus, Diplograptus</i>	72	<i>typica, Stromatopora</i>	29
<i>Strophostylus</i>	62	<i>testudinaria, Orthis</i>	60	<i>typus, Phyllograptus</i>	74
<i>Stylaraea</i>	46	<i>Tetradium</i>	47	<i>tyrrelli, Actinostroma</i>	20
<i>Styliola</i>	75	<i>Tetragraptus</i>	75	<i>ulrichii, Monticulipora</i>	54
<i>Stylodictyon</i>	30	<i>Tetraster</i>	68	<i>ulrichii, Monticulipora (Heterotrypa)</i>	56
<i>Stylophora</i>	38	<i>Thamnograptus</i>	75	<i>umbellifera, Aulopora</i>	39
<i>stylophora, Labechia</i>	24	<i>Thecia</i>	47	<i>umbellifera, Romingeria</i>	46
<i>stylophorum, Pleurodictyum</i>	45	<i>Thecostegites</i>	47	<i>umbilicata, Pleurotomaria</i>	62
<i>subcaespitosum, Crepidophyllum</i>	33	<i>thomsoni, Illaenus</i>	66	<i>umbonata, Ambocoelia</i>	59
<i>subcaespitosum, Heliophyllum</i>	35	<i>Thysanophyllum</i>	37	<i>undulata, Beatricea</i>	21
<i>subduplicata, Lindstroemia (Petraia)</i>	35	<i>torrubiatae, Fistulipora</i>	53	<i>undulata, Dictyostroma</i>	41
<i>subfusiformis, Murchisonia</i>	62	<i>Trachypora</i>	47		

<i>undulata, Monticulipora</i>	55	<i>winteri, Monticulipora (Monotrypa)</i>	57
<i>undulata, Monticulipora (Monotrypa)</i>	57	<i>wortheni, Zaphrentis</i>	37
<i>undulatus, Chaetetes</i>	40, 51	<i>wrightiana, Cythere</i>	67
<i>unicus, Staurocephalus (?)</i>	67	<i>wyvillethomsoni, Tetraster</i>	68
<i>uniseriale, Platyceras</i>	62	<i>yandelli, Amplexus</i>	31
<i>urii, Tabulipora</i>	59	<i>Zaphrentis</i>	37
<i>utriculus, Fistulipora</i>	54	<i>zenkeri, Cyathophyllum</i>	33
<i>vagans, Pleurograptus (?)</i>	74		
<i>vanuxemi, Orthis</i>	60		
<i>varicosa, Spirifera</i>	61		
<i>variolare, Clathrodictyon</i>	22		
<i>venosus, Retiolites</i>	74		
<i>ventricosa, Platyostoma</i>	62		
<i>ventricosum, Platyceras</i>	62		
<i>ventricosus, Subulites</i>	62		
<i>venusta, Favosites</i>	43		
<i>Vermipora</i>	47		
<i>verneuillanum, Eridophyllum</i>	34		
<i>verneuili, Phillipsastraea</i>	36		
<i>verrucosa, Cybele</i>	65		
<i>verrucosa, Rhinopora</i>	58		
<i>verrucosum, Actinostroma</i>	20		
<i>verticalis, Skolithos</i>	77		
<i>verticillata, Stachyodes</i>	25		
<i>verticillata, Syringopora</i>	47		
<i>vesiculosum, Clathrodictyon</i>	22		
<i>vesiculosum, Cystiphyllum</i>	33		
<i>vesiculosus, Diplograptus</i>	73		
<i>vetusta, Protaraea</i>	45		
<i>vfractus, Didymograptus</i>	71		
<i>virgatus, Palaeophycus</i>	77		
<i>vitellia, Murchisonia</i>	62		
<i>vomerina, Graptolites</i>	74		
<i>vulgaris, Planolites</i>	77		
<i>Waldheimia</i>	61		
<i>waldronensis, Favosites forbesi</i>	42		
<i>whiteavesii, Actinostroma</i>	20		
<i>whiteavesii, Monticulipora (Diplotrypa)</i>	55		
<i>whitfieldi, Diplograptus</i>	73		
<i>wilsoni, Caridolites</i>	76		
<i>winchelli, Favosites</i>	43		
<i>winteri, Monticulipora</i>	55		