

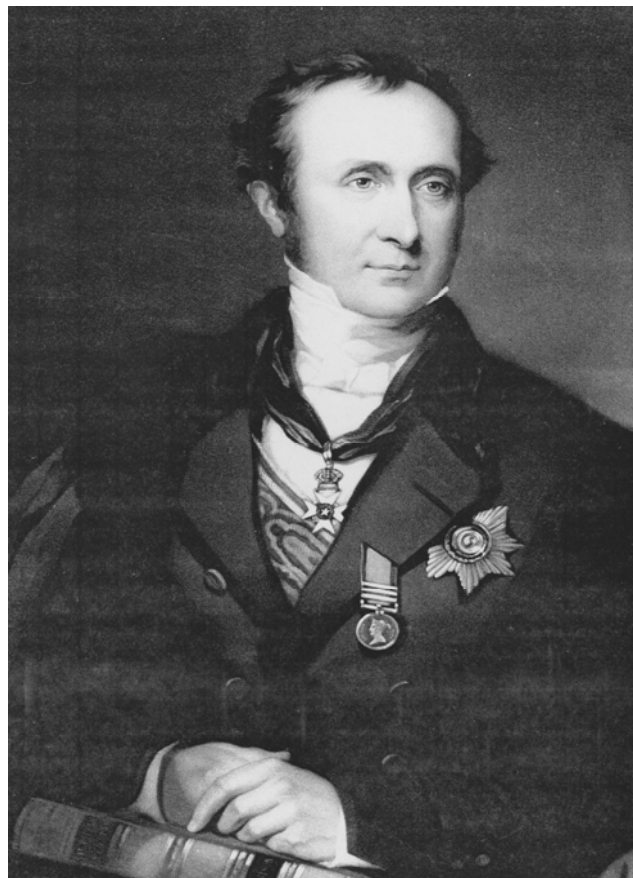


**British
Geological Survey**

NATURAL ENVIRONMENT RESEARCH COUNCIL

The Silurian System by R I
Murchison. A catalogue of the
fossils illustrated in Part II. BGS
Research Report SH/89/01
Stratigraphy Series (1989).
SUPPLEMENT (2007)

Research Report RR/07/05



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Murchison in mid career. Facing
p. 78 of Woodward, H B. 1908.
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Natural History Museum,
Cromwell Rd, London SW7 5BD

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British Geological Survey offices

BGS Central Enquiries Desk

Tel 0115 936 3143 Fax 0115 936 3276
email: enquiries@bgs.ac.uk

Kingsley Dunham Centre, Keyworth, Nottingham NG12 5GG

Tel 0115 936 3241 Fax 0115 936 3488
email: sales@bgs.ac.uk

Murchison House, West Mains Road, Edinburgh EH9 3LA

Tel 0131 667 1000 Fax 0131 668 2683
email: scotsales@bgs.ac.uk

London Information Office at the Natural History Museum (Earth Galleries), Exhibition Road, South Kensington, London SW7 2DE

Tel 020 7589 4090 Fax 020 7584 8270
Tel 020 7942 5344/45 email: bgs london@bgs.ac.uk

Columbus House, Greenmeadow Springs, Tongwynlais, Cardiff CF15 7NE

Tel 029 2052 1962 Fax 029 2052 1963

Forde House, Park Five Business Centre, Harrier Way, Sowton, Exeter, Devon EX2 7HU

Tel 01392 445271 Fax 01392 445371

Maclean Building, Crowmarsh Gifford, Wallingford, Oxfordshire OX10 8BB

Tel 01491 838800 Fax 01491 692345

Geological Survey of Northern Ireland, Colby House, Stranmillis Court, Belfast BT9 5BF

Tel 028 9038 8462 Fax 028 9038 8461

www.bgs.ac.uk/gsni/

Parent Body

Natural Environment Research Council, Polaris House, North Star Avenue, Swindon, Wiltshire SN2 1EU

Tel 01793 411500 Fax 01793 411501
www.nerc.ac.uk

Website: www.bgs.ac.uk
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Introduction

Roderick Impey Murchison (1792–1871) was one of the first British geologists to appreciate the value of fossils in stratigraphical research. He devoted much time in the early 1830s to mapping the geology of Wales and the Welsh Borderland and studying the stratigraphical importance of the fossils contained in the rocks. In 1835 he named the series of fossiliferous rocks that he had studied the Silurian System after the Silures, a Romano-British tribe that had lived in the region. In 1839 he published a detailed account of his researches on the geology and palaeontology of these rocks in *The Silurian System*. The book was published in two parts, together with an accompanying map. Part I was written by Murchison himself, while Part II consisted mainly of descriptions and illustrations of fossils by Agassiz, Beck, Broderip, König, Lonsdale, MacLeay, Milne Edwards, Phillips and J de C Sowerby as well as by Murchison. Part II has 31 plates of fossils numbered from 1 to 27, with the addition of 2bis, 7bis, 15bis and 16bis. These plates have 484 figures, many of them composite. Of the 365 species listed, 269 were new.

The continuing importance of Murchison's studies and his and his collaborators' palaeontological work is demonstrated by the steady flow of publications referring to *The Silurian System* and the fossil collections described in Part II.

A catalogue of the fossils illustrated in *The Silurian System* was compiled by J D D Smith and published by the British Geological Survey in 1989 to coincide with the 150th Anniversary of the publication of Murchison's book. In this catalogue the fossils figured in *The Silurian System* were grouped into 463 entries, each referring to a figure or group of figures or part of a composite figure. Each entry (numbered from 1 to 463) recorded the plate and figure reference in *The Silurian System* (abbreviated to 'SS'), the name given, and subsequent publications in which the specimen used in *The Silurian System* was figured, described or cited. Where a specimen figured in *The Silurian System* is registered in a museum collection, details were given. Many of the existing specimens were originally registered in the Geological Society Collection and are now housed in the British Geological Survey; these bear the prefix 'BGS Geol. Soc. Coll.'

A considerable number of papers have been published since the 1989 Catalogue was prepared in which specimens originally illustrated in *The Silurian System* have been figured, described or cited. Details of these references are given in this Supplement using the same entry numbers (from 1 to 463) as in the 1989 Catalogue, together with additional pre-1989 works and amendments to the Catalogue.

Supplement 2007

2 *Cephalaspis Lyellii* Agassiz pl. 1, figs. 1, 2

1972 Rudwick *Cephalaspis*, pp. 196–197; fig. 4.6, SS pl. 1, figs. 1, 2 reproduced.

13 *Onchus arcuatus* Agassiz pl. 2, figs. 10, 11

Specimens SS 2.10 and 2.11 located in Muséum National d'Histoire Naturelle, Paris, by Dr Daniel F. Goujet, registered: SS 2.10-GBP 30; SS 2.11-GBP 29.

14 *Onchus semistriatus* Agassiz pl. 2, fig. 13

Specimen SS 2.13 located in Muséum National d'Histoire Naturelle, Paris, by Dr Daniel F. Goujet, registered: SS 2.13-GBP 33.

1845 Agassiz *Onchus semistriatus* Agassiz, p. 118, pl. 33, fig. 37; described.

1982 Andrews *Onchus semistriatus* Agassiz, pp. 35, 51; Agassiz (1845, pl. 33, fig. 37) reproduced as fig. 20(n); stated to be apparently lost.

16 *Holoptychius Nobilissimus* Agassiz pl. 2 bis, fig. 1

1995 Collie & Diemer *Holoptychius nobilissimus* Agassiz, pp. 46–47; Agassiz's description of SS 2 bis.1 repeated; described.

25 *Cucullaea antiqua* J de C Sowerby pl. 3, fig. 1b

1968 McAlester *Cucullella antiqua* (J de C Sowerby), p. 24, pl. 26, figs. 8–11; BGS Geol. Soc. Coll. 6656 cited as **lectotype**; described; original of SS 3.1b (upper figure) [referred to as SS 5.1b in error] described as idealised representation unrecognisable on original slab.

41 *Cypricardia cymbaeformis* J de C Sowerby pl. 3, fig. 10a

1994 Liljedahl *Goniophora cymbaeformis* (J de C Sowerby), pp. 74–75, fig. 52.I; BGS Geol. Soc. Coll. 6689 cited as **holotype**; described.

44 *Cucullaea antiqua* J de C Sowerby pl. 3, fig. 12a

1968 McAlester *Cucullella antiqua* (J de C Sowerby), p. 24, pl. 26, fig. 11; SS 3.12a (upper figure) cited as **paratype**; described; original of SS 3.12a (lower figure) [referred to as SS 5.12a in error] described as idealised representation unrecognisable on original slab.

56 *Agnostus tuberculatus* Klöden pl. 3, figs. 17, 17a

1980 Siveter Kloedeniine ostracod valves, pp. 1–2: 'The first mention of ostracods from the Siluro-Devonian of Britain'.

1990 Siveter & Vannier reference (p. 45): 'The first figured British Silurian ostracode, from Downton near Ludlow, appeared in Murchison's *The Silurian System*'.

71 *Thelodus parvidens* Agassiz pl. 4, figs. 34, 35, 36

1973 Turner *Thelodus parvidens* Agassiz, p. 562; BGS Geol. Soc. Coll. 6746 recorded by British Geological Survey as probable type material.

81 *Serpulites longissimus* Murchison & J de C Sowerby pl. 5, fig. 1

1840 MacLeay *Serpulites longissimus* Murchison, pp. 387–388; reprint of description of SS 5.1 on p. 608 [where author stated to be J de C Sowerby].

87 *Pullastra complanata* J de C Sowerby pl. 5, fig. 7

1994 Liljedahl *Pul[*I*]astra complanata* (J de C Sowerby), p. 58; described; compared with *Colpomya munini* sp. nov.

91 *Orbicula rugata* J de C Sowerby pl. 5, fig. 11

2006 Mergl *Rugadiscina rugata* (J de C Sowerby), pp. 228, 230–232; BGS Geol. Soc. Coll. 6634 B cited as **lectotype**; figured 7I.

92 *Orbicula striata* J de C Sowerby pl. 5, fig. 12

1980 Lockley & Antia *Schizocrania striata* (J de C Sowerby), pp. 707, 709; BGS Geol. Soc. Coll. 6631 cited as **lectotype**; described; figured text-fig. 2A, attached to mould of orthocone septum.

2006 Mergl *Schizocrania striata* (J de C Sowerby), pp. 217–218; BGS Geol. Soc. Coll. 6631 cited as **lectotype**; described; figured 3I; BGS Geol. Soc. Coll. 6632 described; figured 3C.

109 *Orthoceras bullatum* J de C Sowerby pl. 5, fig. 29

2002 Holland *Polygrammoceras bullatum* (J de C Sowerby), pp. 355–357, figs. 1, 3; BGS Geol. Soc. Coll. 6715 cited as **holotype**; described; figured.

110 *Orthoceras Ibex* J de C Sowerby pl. 5, fig. 30

In press Holland *Orthocycloceras ibex* (J de C Sowerby), refers to Marek's (1971) description of SS 5.30 as weathered siphonal tube of some actinocerid.

- 115 *Cardium? striatum* J de C Sowerby pl. 6, fig. 2
1908 Chapman *Cardium? striatum* J de C Sowerby, p. 42; described; compared with *Lunulicardium antistriatum* sp. nov.
- 122 *Lingula Lewisii* J de C Sowerby pl. 6, fig. 9
1984 Bassett '*Lingula? lewisii* J de C Sowerby, p. 240; BGS Geol. Soc. Coll. 6633 cited as **lectotype**; reconstruction of burrowing stage and life habits figured in text-fig. 1.
- 138 *Homalonotus Herschelii* Murchison pl. 7 bis, fig. 2
1994 Kennedy *Burmeisteria herschelii* Murchison, p. 25; Murchison's **syntype** cited as 'apparently lost'.
1897 Frech p. 218; reference and description of SS 7 bis.2.
1904 Lake *Homalonotus herscheli* Murchison, pp. 214–216; 'Frech's (1897) description appears to rely solely upon the figure of the thorax and tail given by Murchison'.
1982 Cooper *Burmeisteria herscheli* (Murchison), pp. 18–27; SS 7 bis.2 described (p. 21), '*Burmeisteria herscheli* was originally based upon a thorax and pygidium ...'.
- 140 *Spirorbis tenuis* J de C Sowerby pl. 8, figs. 1a, b
Attributed to Annelida, not Gastropoda.
- 144 *Cardiola interrupta* J de C Sowerby pl. 8, fig. 5
2002 Rushton & Shepherd *Cardiola interrupta* J de C Sowerby, pp. 155–160; BGS Geol. Soc. Coll. 6650 cited as **type specimen** following Blake (1902), SS 8.5 reproduced as fig. 1, described; BGS 51556 cited as **lectotype**, as preferred by Kriz (1979).
- 147 *Atrypa obovata* J de C Sowerby pl. 8, figs. 8, 9
1997 Barclay et al. *Glassia obovata* (J de C Sowerby), pp. 22–23, pl. 2, fig. 14; BGS Geol. Soc. Coll. 6624 cited as **lectotype**; figured.
2002 Musteikis & Modzalevskaya *Lissatrypa obovata* (J de C Sowerby), pp. 605–606; BGS Geol. Soc. Coll. 6624 cited as **lectotype**.
2004 Copper *Lissatrypa obovata* (J de C Sowerby), pp. 112–114, pl. 26, figs. Ba–e; BGS Geol. Soc. Coll. 6624 cited as **lectotype**; described; figured.
- 154 *Orthoceras gregarium* J de C Sowerby pl. 8, fig. 16
1993 Holland '*Orthoceras? gregarium* J de C Sowerby, p. 39; Hewitt & Watkins (1980) cited as selecting a **lectotype** (BGS Geol. Soc. Coll. 6725), previous descriptions being based on a composite.
- 155 *Orthoceras distans* J de C Sowerby pl. 8, fig. 17
2000a Holland *Harrisoceras distans* (J de C Sowerby), p. 118, pl. 1, fig. 2; BGS Geol. Soc. Coll. 6724 cited as **holotype**; described; figured.
- 156 *Orthoceras dimidiatum* J de C Sowerby pl. 8, fig. 18
1992 Holland *Radnoroceras dimidiatum* (J de C Sowerby), p. 124; BGS Geol. Soc. Coll. 6721 cited as **holotype**; described.
1994 Evans *Hemicosmorthoceras dimidiatum* (J de C Sowerby), pp. 124–127; BGS Geol. Soc. Coll. 6721 cited as **holotype**; described.
- 160, 161 *Orthoceras ludense* vars. α , β J de C Sowerby pl. 9, figs. 1a, 1b
2000a Holland *Temperoceras ludense* (J de C Sowerby), pp. 120–121, pl. 1, figs. 3, 6; BGS Geol. Soc. Coll. 6716 (SS pl. 9, fig. 1a) cited as **paralectotype**; BGS Geol. Soc. Coll. 6671 (SS pl. 9, fig. 1b) there designated as **lectotype**; described; figured.
- 164 *Orthoceras virgatum* J de C Sowerby pl. 9, fig. 4
2000b Holland *Kionoceras virgatum* (J de C Sowerby), pp. 178, 180; BGS Geol. Soc. Coll. 6720 cited as **holotype** as stated by Hewitt & Watkins (1980).
- 166 *Phragmoceras arcuatum* J de C Sowerby pl. 10, fig. 1
2004 Holland & Stridsberg *Phragmoceras arcuatum* J de C Sowerby, pp. 303–305; original of SS 10.1 described as 'a composite of what may be two specimens or of external and internal views of the same specimen'.
- 169 *Phragmoceras ventricosum* J de C Sowerby pl. 10, fig. 4
2004 Holland & Stridsberg *Phragmoceras ventricosum* J de C Sowerby, p. 306, fig. 2; BGS Geol. Soc. Coll. 6742 cited as **holotype** as selected by Blake (1882); described; figured.
- 173 *Phragmoceras compressum* J de C Sowerby pl. 11, fig. 2
In press Holland *Amphicyrtoceras compressum* (J de C Sowerby); BGS Geol. Soc. Coll. 6740 cited as **holotype**; described; figured fig. 3A; Blake's illustration (1882, pl. 18, fig. 1) cited as original of SS 11.2.
- 176 *Lituites articulatus* J de C Sowerby pl. 11, fig. 5
1997 Stridsberg & Turek *Ophioceras articulatum* (J de C Sowerby), pp. 25, 27, fig. 6G; BGS Geol. Soc. Coll. 6729 cited as **lectotype**; figured.

177 *Lituites? Ibex* J de C Sowerby pl. 11, fig. 6

In press Holland *Cyrtocycloceras ibex* (J de C Sowerby); BGS Geol. Soc. Coll. 6676 cited as **holotype**; described; figured fig. 1A.

178 *Lituites articulatus* J de C Sowerby pl. 11, fig. 7

1997 Stridsberg & Turek p. 25, BGS Geol. Soc. Coll. 6677 cited as original of SS 11.7, ‘does not belong to the genus *Ophioceras*’.

191 *Terebratula imbricata* J de C Sowerby pl. 12, fig. 12

1996 Copper ‘*Spirigerina imbricata*’ (J de C Sowerby), pp. 914–915; SS 12.12 right described.

2004 Copper *Plectatrypa imbricata* (J de C Sowerby), pp. 80–82; BGS Geol. Soc. Coll. 6600 selected by Bassett & Cocks (1974) as **lectotype** (original of SS 12.12 left), stated to be original of SS 13.27 (*Plectatrypa abbreviata*).

2004 Copper *Spirigerina lockwenia* nov. sp., pp. 101–103, pl. 24, figs. a–e; BGS Geol. Soc. Coll. 6601 (original of SS 12.12 right) cited as **paratype**; figured.

203 *Conularia quadrisulcata* Miller pl. 12, figs. 22, 22a

1997 Barclay et al. *Conularia sowerbyi* de Verneuil, pp. 22–23; BGS Geol. Soc. Coll. 6713 cited; pl. 2, fig. 4.

206 *Modiola antiqua* J de C Sowerby pl. 13, fig. 1

1989(a) Liljedahl ?*Modiodonta gothlandica* (Hisinger), pp. 314–318; questionably conspecific; compared with original of SS 13.1.

1989(b) Liljedahl ?*Fulgia baltica* sp. nov., pp. 340–344; questionably conspecific; compared with original of SS 13.1.

1994 Liljedahl ?*Modiodonta gothlandica* (Hisinger), pp. 50–51; described; compared with original of SS 13.1.

210 *Atrypa compressa* J de C Sowerby pl. 13, fig. 5

2004 Copper *Atrypa compressa* (J de C Sowerby), pp. 114–115, pl. 26, figs. Ca–e; BGS Geol. Soc. Coll. 6625 cited as **holotype**; figured.

211 *Atrypa depressa* J de C Sowerby pl. 13, fig. 6

2002 Musteikis & Modzalevskaya *Plagiorhyncha depressa* (J de C Sowerby), pp. 601–604; BGS Geol. Soc. Coll. 6626 cited as **lectotype**; described.

213 *Atrypa linguifera* J de C Sowerby pl. 13, fig. 8

1968 Amsden *Atrypa linguifera* J de C Sowerby, pp. 46–47; ‘Sowerby’s type specimens have never been restudied’; described.

214 *Spirifer? Pisum* J de C Sowerby pl. 13, fig. 9

2002 Musteikis & Modzalevskaya *Nucleospira pisum* (J de C Sowerby), pp. 621–623; BGS 51551 cited as **lectotype**; described.

218 *Orthis canalis* J de C Sowerby pl. 13, fig. 12a

1932 Schuchert & Cooper *Resserella canalis* (J de C Sowerby), p. 126; cited as ‘**genolectotype**’.

1977 Havlicek *Resserella canalis* (J de C Sowerby), pp. 163–164; BGS 51550 cited as **lectotype**, said to have been designated by Schuchert & Cooper, 1932, p. 126.

230 *Orthoceras Nummularius* J de C Sowerby pl. 13, fig. 24

1998 Holland *Armenoceras nummularium* (J de C Sowerby), pp. 184–187, pl. 1, figs. 1, 5; BMNH C3501 cited as **holotype**; described; figured.

233 *Terebratula imbricata* var. *abbreviata* J de C Sowerby pl. 13, fig. 27

2004 Copper *Plectatrypa (Plectatrypa) abbreviata* (J de C Sowerby), pp. 82–83, pl. 19, figs. Aa–g; BGS Geol. Soc. Coll. 6600 there designated as **lectotype (holotype** in explanation of plate 19); figured.

244 *Paradoxides quadrimucronatus* Murchison pl. 14, fig. 10

1992 Ramsköld & Chatterton *Exallaspis quadrimucronata* (Murchison), pp. 362–363, 367; holotype not traced; described.

256 *Aulopora consimilis* Lonsdale pl. 15, fig. 7

2004 Snell *Sagenella consimilis* (Lonsdale), pp. 32–33; specimen not traced.

260 *Ptilodictya lanceolata* Lonsdale pl. 15, figs. 11, 11a, 11b, 11c

2004 Snell *Ptilodictya lanceolata* (Goldfuss), pp. 16–20; BGS 87333 cited as SS pl. 11 [recte 15], fig. 11 (lower half of figure); BGS 87334 cited as SS pl. 11 [recte 15], fig. 11 (upper half of figure).

261 *Glauconome disticha* Goldfuss pl. 15, figs. 12, 12a, 12b, 12c, 12d

2004 Snell *Arcanopora disticha* (Goldfuss), pp. 25–27; BGS Geol. Soc. Coll. 6595 cited as original of SS 15.12, 12b.

262 *Hornera crassa* Lonsdale pl. 15, figs. 13, 13a

2004 Snell *Thamniscus crassus* (Lonsdale), p. 70; specimen not traced.

- 263** *Heteropora crassa* Lonsdale pl. 15, figs. 14, 14a
 2004 Snell *Fistulipora crassa* (Lonsdale), pp. 44–45; specimen not traced.
- 265** *Fenestella antiqua* Lonsdale pl. 15, figs. 16, 16a
 2004 Snell *Fenestella subantiqua* d'Orbigny, pp. 51–54, text-fig. 10; BGS Geol. Soc. Coll. 6619 cited as original of SS 15.16, 16a; figured.
- 266** *Fenestella Milleri* Lonsdale pl. 15, figs. 17a, 17b
 2004 Snell *Semicoscium milleri* (Lonsdale), pp. 62–64; specimen not traced.
- 267** *Fenestella prisca* Lonsdale pl. 15, figs. 18, 18a, 18b, 18c
 2004 Snell *Unitrypa lonsdalei* (d'Orbigny), pp. 68–69; ?BGS Geol. Soc. Coll. 6923 cited as original of SS 15.18, 18a–c.
- 268** *Fenestella reticulata* Lonsdale pl. 15, figs. 19, 19a
 2004 Snell *Reteporina reticulata* (Hisinger), pp. 65–67; BGS Geol. Soc. Coll. 6594 cited as original of SS 15.19, 19a.
- 272** *Discopora squamata* Lonsdale pl. 15, figs. 23, 23a
 2004 Snell *Favositella squamata* (Lonsdale), pp. 38–39, pl. 3, fig. 8; BGS Geol. Soc. Coll. 6596 cited as **lectotype**; described; figured.
- 273** *Retepora infundibulum* Lonsdale pl. 15, fig. 24
 2004 Snell *Polyporella infundibulum* (Lonsdale), pp. 59–60; specimen not traced.
- 274** *Eschara? scalpellum* Lonsdale pl. 15, figs. 25, 25a, 25b
 2004 Snell *Stictopora scalpellum* (Lonsdale), pp. 22–24; specimen not traced.
- 276** *Gorgonia assimilis* Lonsdale pl. 15, figs. 27, 27a
 2004 Snell *Reteporina reticulata* (Hisinger), pp. 65–67; BGS GSM 53522 cited as original of SS 15.27, 27a.
- 282** *Favosites alveolaris* De Blainville pl. 15 bis, figs. 1, 1a, 1b
 1979 Laub *Paleofavosites prolificus* (Billings), pp. 259–271; described.
 2004 White & Yang *Paleofavosites asper* (d'Orbigny), p. 45; BGS Geol. Soc. Coll. GSb 3726–3728 cited as **holotype**.
- 283** *Favosites alveolaris* De Blainville (larger variety) pl. 15 bis, figs. 2, 2a
 1979 Laub *Paleofavosites prolificus* (Billings), pp. 259–271; described.
- 292** *Favosites spongites* Goldfuss pl. 15 bis, figs. 8, 8a, 8b, 8c, 8d, 8e
 1979 Laub *Alveolites labechii* Milne Edwards & Haime, pp. 321–325; both specimens described.
- 301** *Porites tubulata* Lonsdale pl. 16, figs. 3, 3a, 3b, 3c, 3d, 3e, 3f
 1979 Laub *Propora tubulata* (Lonsdale), pp. 331–332; described.
 1988 Lee & Noble *Propora tubulata* (Lonsdale), p. 859; BGS Geol. Soc. Coll. 6555 cited as **holotype**; described.
 1990 Young & Noble *Propora tubulata* (Lonsdale), pp. 188–191; BGS Geol. Soc. Coll. 6555 cited as **holotype**; described.
 1998 Dixon *Propora tubulata* (Lonsdale), pp. 958–962; **holotype** described; illustrations of **holotype** in Powell (1980, unpublished) described.
- 302** *Porites petalliformis* Lonsdale pl. 16, fig. 4, 4a
 1990 Young & Noble *Plasmopora petalliformis* (Lonsdale), p. 197; BGS Geol. Soc. Coll. 6557 cited as **holotype** of *Plasmopora petalliformis*; described; compared with *Plasmopora corrugata* sp. nov.
- 303** *Monticularia conferta* Lonsdale pl. 16, figs. 5, 5a
 1999 Stearn, Webby, Nestor & Stock *Labechia conferta* (Lonsdale), p. 13; **holotype** stated to be 'presumably lost'.
- 307** *Acervularia Baltica* Schweigger pl. 16, figs. 8b, 8c, 8d, 8e
 1979 Laub *Arachnophyllum purchisoni* (Milne Edwards & Haime), pp. 192–193; original of SS 16.8b–e cited as basis of *Strombodes purchisoni*.
 1989 Scrutton *Arachnophyllum purchisoni* (Milne Edwards & Haime), pp. 11–22; BGS Geol. Soc. Coll. 6577 and BGS PF 4533 cited as **lectotype**; pl. 1, fig. 1, pl. 2, fig. 1, text-fig. 5; BGS Geol. Soc. Coll. 6578 and 6579 cited as **paralectotypes**.
- 313** *Cyathophyllum dianthus* Goldfuss pl. 16, figs. 12b, 12c, 12d
 1990 Jell & Sutherland *Entelophyllum pseudodianthus* (Weissemel), pp. 793–796; BGS Geol. Soc. Coll. 6575 and BGS PF 4617 there selected as **neolectotype**; stated to be one of Weissemel's original syntypes; text-figs. 6, 7 E; described.

- 318** *Strombodes plicatum* Ehrenberg pl. 16 bis, figs. 4, 4a, 4b, 4c
- 1979 Laub *Schlotheimophyllum benedicti* (Greene), pp. 112–113, 115–120; BGS Geol. Soc. Coll. 6569 cited as original of SS 16bis.4b, c; described; SS 16bis.4b likely to be reversed figure.
- 326** *Porites inordinata* Lonsdale pl. 16 bis, figs. 12, 12a, 12b, 12c
- 2004 White & Yang *Lonsdalia inordinata* (Lonsdale), p. 68, pl. 24, figs. 1a–c; BGS Geol. Soc. Coll. 6921 there designated as **lectotype** (referred to as **holotype** in explanation of pl. 24, figs. 1a–c); BGS GSd 3152, PF5708–5711 and PF 5716 (parts and slides of same specimen); described; figured.
- 327** *Cyathocrinites goniodactylus* Phillips pl. 17, fig. 1
- 1989 Sutherland *Cyathocrinus goniodactylus* (Phillips), p. 117; original specimen in collection of Northampton Central Museum.
- 332** *Cyathocrinites pyriformis* Phillips pl. 17, fig. 6
- Cyathocrinites pyriformis* Phillips — Sedgwick Museum specimen A 10186 definitely not original of SS 17.6 (pers. comm. R E Widdison - 8.10.2001).
- 1920 Springer *Ichthyocrinus pyriformis* (Phillips), pp. 273–275, pl. 32, fig. 1; described; specimen not traced.
- 335** *Actinocrinites? expansus* Phillips pl. 17, fig. 9
- 1920 Springer *Sagenocrinus expansus* (Phillips), pp. 218–219, pl. 18, fig. 1; described; specimen not traced.
- 348** *Atrypa orbicularis* J de C Sowerby pl. 19, fig. 3
- 2004 Copper ?*Gotatrypa orbicularis* (J de C Sowerby), pp. 56–57; BGS GSd 6073 cited as **lectotype**; described; figured pl. 9, figs. Ba–e.
- 358** *Bellerophon bilobatus* J de C Sowerby pl. 19, fig. 13
- 1897 Ulrich & Scofield *Protowarthia bilobata* (J de C Sowerby), p. 869, figs. 3 A, B; SS 19.13 reproduced.
- 359** *Bellerophon acutus* J de C Sowerby pl. 19, fig. 14
- 1897 Ulrich & Scofield *Bellerophon (Oxydiscus?) acutus* J de C Sowerby, p. 869, fig. 3 C; SS 19.14 reproduced.
- 368** *Atrypa hemisphaerica* J de C Sowerby pl. 20, fig. 7
- 1997 Barclay et al. *Eocoelia hemisphaerica* (J de C Sowerby), pp. 20–21; BGS Geol. Soc. Coll. GSd 4829 cited; pl. 1, fig. 1.
- 2002 Savage *Eocoelia hemisphaerica* (J de C Sowerby), pp. 1081, 1083–1084; SS 20.7 copied as fig. 733a; illustrated as **lectotype** fig. 733b.
- 372** *Orthis Vespertilio* J de C Sowerby pl. 20, fig. 11
- 1932 Schuchert & Cooper *Harknessella vespertilio* (J de C Sowerby), p. 138; cited as '**genoholotype**'.
- 377, 378** *Orthis Actoniae* J de C Sowerby pl. 20, figs. 16 left and right
- 1932 Schuchert & Cooper *Nicolella actoniae* (J de C Sowerby), p. 77; cited as '**genoholotype**'.
- 388** *Atrypa plana* J de C Sowerby pl. 21, fig. 4
- 2004 Copper *Atrypa (Atrypa) plana* (J de C Sowerby), pp. 43–44; BGS Geol. Soc. Coll. 6611 cited as **lectotype**; described; figured pl. 4, figs. Ba–b.
- 391** *Spirifer plicatus* J de C Sowerby pl. 21, fig. 6
- 1995 Modzalevskaya & Popov *Dolerorthis sowerbyana* (Davidson), pp. 405–406; **lectotype** of *D. plicata* described, stated to be poorly preserved; name a nomen dubium.
- 1997 Jin & Chatterton *Dolerorthis plicata* (J de C Sowerby), p. 12; **holotype** (= **lectotype**) described.
- 392** *Orthis semicircularis* J de C Sowerby pl. 21, fig. 7
- In press Cocks *Coolinia semicircularis* (J de C Sowerby), pl. 6, fig. 5; BGS Geol. Soc. Coll. 6871 cited as **lectotype**; described; figured.
- 402** *Terebratula decemplicata* Murchison & J de C Sowerby pl. 21, fig. 17
- 1997 Barclay et al. *Stegerhynchus decemplicatus* (J de C Sowerby), pp. 20–21, pl. 1, fig. 4; BGS Geol. Soc. Coll. 6912 cited; figured.
- 406** *Orthoceras conicum* J de C Sowerby pl. 21, fig. 21
- 1998 Holland *Armenoceras subconicum* (d'Orbigny), pp. 187–189; BGS Geol. Soc. Coll. 6857 cited as **holotype**; text-fig. 2B; described.
- 408** *Orthoceras bisiphonatum* J de C Sowerby pl. 21, fig. 23
- 1874 Barrande *Tretoceras bisiphonatum*, pp. 800–802; original of SS 21.23 described.
- 1995 Evans & Kennedy *Tretoceras bisiphonatum* (J de C Sowerby), pp. 348–351, fig. 4C–E; BGS Geol. Soc. Coll. 6855 cited as **holotype**; described.
- 409** *Nucula? laevis* J de C Sowerby pl. 22, fig. 1
- 1996 Cope *Pensarnia laeviformis* sp. nov., pp. 984–985, pl. 1, fig. 8; the largest of three specimens figured in SS

- 22.1 there selected as **lectotype** of Sowerby's species; BGS Geol. Soc. Coll. 6849 cited as **paratypes** and original of SS 22.1; described.
- 410** *Leptaena duplicata* J de C Sowerby pl. 22, fig. 2
- 1995 Baarli *Eoplectodonta duplicata* (J de C Sowerby), pp. 27–29; BGS Geol. Soc. Coll. 6874 cited as **lectotype**; described.
- 421** *Lingula attenuata* J de C Sowerby pl. 22, fig. 13
- 1999 Sutton, Bassett & Cherns *Palaeoglossa attenuata* (J de C Sowerby), pp. 48–50; BGS Geol. Soc. Coll. 6861 cited as **lectotype**.
- 428** *Trinucleus Caractaci* Murchison pl. 23, fig. 1b
- 2002 Bowdler-Hicks, Ingham & Owen *Salterolithus caractaci* (Murchison), pp. 1090–1091; BGS Geol. Soc. Coll. 6829 cited as **lectotype**; described.
- 437** *Illaeus? perovalis* Murchison pl. 23, figs. 7a, 7b
- 1989 Kennedy *Ectillaenus perovalis* (Murchison), pp. 29–30; BGS Geol. Soc. Coll. 6844 cited as **lectotype**; described.
- 446** *Asaphus Corndensis* Murchison pl. 25, fig. 4
- 1989 Kennedy *Ogyginus corndensis* (Murchison), p. 18; BGS GSb 4094 cited as **holotype**; described.
- 451** *Graptolithus Ludensis* Murchison pl. 26, figs. 1, 1a
- 1996 Strachan p. 7, *Graptolithus virgulatus* Beck stated to be the name proposed by Beck in his account of the graptolites for *The Silurian System*, but changed by Murchison to *Graptolithus ludensis* with figures of two different forms; best regarded as a nomen oblitum.
- 452** *Graptolithus Ludensis* Murchison pl. 26, fig. 2
- 1996 Strachan p. 7, *Graptolithus virgulatus* Beck stated to be the name proposed by Beck in his account of the graptolites for *The Silurian System*, but changed by Murchison to *Graptolithus ludensis* with figures of two different forms; best regarded as a nomen oblitum.
- 1997 Strachan *Monograptus ludensis* (Murchison) sensu Wood, p. 100; BGS Geol. Soc. Coll. 6584a cited as **lectotype**.
- 453** *Graptolithus foliaceus* Murchison pl. 26, figs. 3, 3a
- 1989 Hughes *Diplograptus foliaceus* (Murchison), pp. 50–56; BGS Geol. Soc. Coll. 6926 cited as type slab; described.
- 1997 Strachan *Diplograptus foliaceus* (Murchison), p. 60; BGS Geol. Soc. Coll. 6926 cited as type slab.
- 454** *Graptolithus Murchisonii* Beck pl. 26, figs. 4, 4a
- 1983 Jenkins *Didymograptus murchisoni* (Beck), p. 652; table 2 gives detailed measurements of specimens on BGS Geol. Soc. Coll. 6820b.
- 1996 Strachan *Didymograptus murchisoni* (Beck), p. 29; BGS Geol. Soc. Coll. 6820b cited as **lectotype**.
- 2000 Rickards & Khashoggi *Didymograptus murchisoni* (Beck), pp. 174–187, text-figs. 10a–d, table 1; BGS Geol. Soc. Coll. 6820b cited as **lectotype**.
- 459** *Polymeres Demetarum* Murchison pl. 26, fig. 13
- 2005 Evans *Saloceras sericeum* (Salter in Ramsay), pp. 11–15, pl. 1, fig. 13; SS 26.13 (right hand figure only); BGS Geol. Soc. Coll. 6961 cited; described; figured.
- 2005 Evans *Polymeres demetarum* Murchison, pp. 42–48, pl. 5, fig. 7, text-figs. 12A, 12A1; SS 26.13 (left hand figure only); BGS Geol. Soc. Coll. 6960 there designated as **lectotype**; described; figured.
- 460** *Nereites Cambrensis* Murchison & MacLeay pl. 27, fig. 1
- 1840 MacLeay *Nereites Cambrensis* Murchison, p. 386; reprint of SS 27.1 entry.
- 1978 Nicholson *Nereites* MacLeay, p. 41; MacLeay's generic definition quoted; attributed to surface-trail of Errant-Annelides.
- 1991 Crimes & Crossley *Nereites cambrensis* MacLeay, pp. 50–51; NMW 62.24.G107 cited as **holotype**; described.
- 1995 Orr *Nereites cambrensis* Murchison, pp. 274–275; NMW 62.24.G107 cited as **holotype**.
- 1995 Orr & Pickerill *Nereites cambrensis* Murchison, pp. 396–399; NMW62.24.G107 cited as **holotype**; fig. 3A, B, C; described.
- 1995 Owens & Bassett *Nereites cambrensis* Murchison, p. 172; NMW62.24.G107 cited as **holotype**; fig. 26; stated to be on loan from Powysland Museum Fossil Collection, original donor Prebendary Mathews.
- 461** *Nereites Sedgwickii* Murchison & MacLeay pl. 27, fig. 2
- 1840 MacLeay *Nereites Sedgwickii* Murchison, pp. 386–387; reprint of SS 27.2 entry.
- 1978 Nicholson *Nereites* MacLeay, p. 41; MacLeay's generic definition quoted; attributed to surface-trail of Errant-Annelides.
- 1995 Orr *Nereites sedgwickii* Murchison, pp. 274–275; compared with Orr's *Nereites* isp. [ichnospecies] 2; type specimen of *N. sedgwickii* not located.

**462 *Myrianites MacLeayii* Murchison & MacLeay
pl. 27, fig. 3**

1840 MacLeay *Myrianites MacLeaii* Murchison, p. 387; reprint of SS entry. [Under this entry in the Catalogue it was suggested that the spelling *MacLeaii* on SS p. 700 was an error for *MacLeayii* as on pp. 699 and 712 and the plate explanation for SS 27.3. However, MacLeay (1840) would have provided an opportunity to correct any such error].

1978 Nicholson *Myrianites macleayi* Murchison, pp. 37, 41–42; MacLeay's generic definition quoted; species compared with *Crossopodia scotica* McCoy.

1995 Orr *Nereites macleayii* (Murchison), p. 277; original of SS 27.3 attributed to Orr's *Nereites macleayii* var. *b* on basis of behaviour pattern; spelling of specific name discussed.

1995 Orr & Pickerill *Nereites macleayii* (Murchison), pp. 399–402; **holotype** described by comparison.

**463 *Nemertites Ollivantii* Murchison & MacLeay
pl. 27, fig. 4**

1840 MacLeay *Nemertites Ollivantii* Murchison, p. 388; reprint of SS entry.

1978 Nicholson *Nemertites ollivantii* Murchison, pp. 38–40; MacLeay's generic definition quoted; species described as an annelide-trail.

NOTE

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The name *Serpuloides* Murchison is stated to be available. It should be treated as an incorrect original spelling and therefore not available under Article 32 of the *International Code of Zoological Nomenclature* (ed. 4, 1999) (arising from pers. comm. R A Hewitt and M A Whyte, 27 July 1990).

Baily's *Figures of Characteristic British Fossils* (1875)

Baily's *Figures of Characteristic British Fossils* (1875) reproduces a number of figures from *The Silurian System*. These are listed below:

Catalogue number	Name in Baily	Baily's plate & fig. No.
1	<i>Cephalaspis lyelli</i> Agassiz	33.2a
4	<i>Cephalaspis lyelli</i> Agassiz	33.2d
8	<i>Cephalaspis lyelli</i> Agassiz	33.2b, c
16	<i>Holoptychius nobilissimus</i> Agassiz	33.6a
34	<i>Platyschisma helicitis</i> Sowerby	26.3a, b
36	<i>Holopella obsoleta</i> Sowerby	26.2
54	<i>Bellerophon expansus</i> Sowerby	26.5b, c
55	<i>Bellerophon trilobatus</i> Sowerby	16.8
61	<i>Onchus murchisoni</i> Agassiz	27.8a, b
66	<i>Plectrodus mirabilis</i> Agassiz	27.9b, c
68	<i>Plectrodus mirabilis</i> Agassiz	27.9a
69	<i>Plectrodus pustuliferus</i> Agassiz	27.10a, b
71	<i>Thelodus parvidens</i> Agassiz	27.11a, b, c
76	<i>Onchus tenuistriatus</i> Agassiz	27.7
82	<i>Orthonota amygdalina</i> Sowerby	25.9
86	<i>Goniophora cymbaeformis</i> Sowerby	25.11
87	<i>Modiolopsis complanata</i> Sowerby	25.7
88	<i>Ctenodonta anglica</i> d'Orbigny	25.12
93	<i>Chonetes striatella</i> Dalman	24.11a
107	<i>Favosites fibrosus</i> Goldfuss	24.1
129	<i>Homalonotus knightii</i> König	27.1
132	<i>Calymene blumenbachii</i> Brongniart	23.1b
137	<i>Homalonotus delphinocephalus</i> Green	23.7
152	<i>Murchisonia lloydii</i> Sowerby	26.4
153	<i>Loxonema sinuosa</i> Sowerby	26.1
158	<i>Phragmoceras pyriforme</i> Sowerby	26.9
165	<i>Orthoceras annulatum</i> Sowerby	22.4
175	<i>Lituities? giganteus</i> Sowerby	26.7
204	<i>Bellerophon dilatatus</i> Sowerby	22.1a
206	<i>Modiolopsis antiqua</i> Sowerby	21.3
207	<i>Leptaena transversalis</i> Dalman	14.7a, b

227	<i>Bellerophon wenlockensis</i> Sowerby	22.2
284	<i>Favosites gothlandicus</i> Lamarck	17.2a
327	<i>Cyathocrinus goniodactylus</i> Phillips	18.1
332	<i>Ichthyocrinus pyriformis</i> Phillips	18.3
336	<i>Crotalocrinus rugosus</i> Miller	18.5a
339	<i>Periechocrinus moniliformis</i> Miller	18.4a, b
355	<i>Pentamerus oblongus</i> Sowerby	15.1a, b
358	<i>Bellerophon bilobatus</i> Sowerby	12.7
365	<i>Modiolopsis obliqua</i> Sowerby	12.3
380	<i>Holopella cancellata</i> Sowerby	16.5a, b
382	<i>Lituities cornu-arietis</i> var. α Sowerby	16.10
405	<i>Murchisonia angulata</i> Sowerby	16.6
407	<i>Cyrtoceras approximatum</i> Sowerby	16.9
416	<i>Orthis alata</i> Sowerby	8.4a, b
421	<i>Lingula attenuata</i> Sowerby	8.1a, b
422	<i>Bellerophon perturbatus</i> Sowerby	8.12a
424	<i>Euomphalus corndensis</i> Sowerby	8.10a, b
455	<i>Cornulites serpularius</i> Schlotheim	19.2a, b
460	<i>Nereites cambrensis</i> Murchison	6.6

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Most of the references listed below are held in the Library of the British Geological Survey at Keyworth, Nottingham. Copies of the references may be purchased from the Library subject to the current copyright legislation.

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