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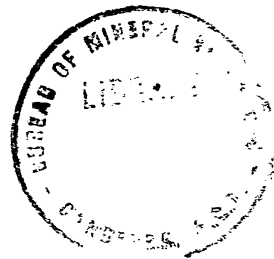


REPORT No. 149

Catalogue of Palaeontological Type Specimens Located in the Department of Geology and Geophysics, University of Sydney

G. Z. FOLDVARY
J. L. SANDERSON
University of Sydney

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DEPARTMENT OF NATIONAL DEVELOPMENT
BUREAU OF MINERAL RESOURCES, GEOLOGY AND GEOPHYSICS

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INTRODUCTION

This catalogue of type specimens, housed in the Department of Geology and Geophysics of the University of Sydney, represents the complete list, including primary as well as secondary types, together with those that are unlocated at the time of writing of this catalogue. Including the primary and secondary types as well as the unlocated specimens, this catalogue contains a total of 1470 type specimens with separate catalogue numbers. Details of the statistics of the collection are given below; numbers show the number of type specimens in each group with a separate catalogue number.

Plantae 225	Echinodermata 21
Protozoa 1	Graptolithina 123
Coelenterata 428	Vermes 1
Bryozoa 262	Pisces 85
Brachiopoda 150	Reptilia 1
Bivalvia 29	Cricoconarida 9
Cephalopoda 48	Precambrian <i>incertae sedis</i> 4
Arthropoda 29	Trace fossils 42

This catalogue represents all type fossils housed in the University of Sydney. It also must be mentioned here that Tenison Woods' types are undesignated, hence the use of a question mark after the word 'holotype'.

The primary and secondary type specimens are listed alphabetically within their respective taxa. The terminology of primary types (e.g. holotype, lectotype, neotype, syntype) used in this catalogue is that in common usage in palaeontological works. The generic and specific names used are those in the original published works, except for some corrections in conformity with modern spelling (e.g. *Phillipsastrea*) as used in the Treatise on Invertebrate Paleontology (ed. R. C. Moore) and as recommended by the International Commission of Zoological Nomenclature.

The locality names and stratigraphic horizons of these type specimens are those supplied by the original author but sometimes with *additional* information to render those names up to date and conformable with the Australian Code of Stratigraphic Nomenclature.

The references are restricted to publications connected with type specimens held in this type collection. The larger collections include those of Crockford, Hill, Strusz, Tenison Woods, Webby, and Wright. Without effecting any revision of the taxonomic names, the references also include the papers of J. A. Townrow (1957) and W. Gothan (1912), both dealing with the *Thinnfeldia-Dicroidium* problem, and the papers of J. M. Crockford (1944 and 1951) and T. G. Miller (1961), all dealing with the problem of *Fenestella*—*Fenestrellina*—*Levifenestella*—*Minilya*.

The Precambrian material of R. J. Tillyard (1936, in David & Tillyard) has been included for historical reasons, but Glaessner (1958; 1962) as well as W. Häntzschel (1962 in the Treatise on Invertebrate Paleontology, ed. R. C. Moore, Part W) consider it inorganic in origin.

ACKNOWLEDGEMENTS

Thanks are due to Dr G. H. Packham, Dr R. E. Wass, and Dr B. D. Webby for their advice on various taxonomic problems relating to specimens included in this list. The curator of Macleay Museum, Dr P. J. T. Stanbury, is thanked for arranging the transfer of the type material from the Macleay Museum to the Department of Geology and Geophysics in 1968.

ABBREVIATIONS

- S.U.P. . . . Palaeontological Collection of the Department of Geology and Geophysics, University of Sydney.
- S.U.M. . . . specimen numbers of the Macleay Museum, University of Sydney, where these specimens were housed before.
- cum syn.* . . . with full or reasonably full synonymy.
- in litt.* . . . specimen numbers from Tenison Woods' handwritten list, housed in the Macleay Museum. (Numbers are not indicated in the text of Tenison Woods, 1883.)
- parte or partim* . . . in part, partly, i.e., the specimen is combined with another or others, not even necessarily of the same species, on the same piece of rock. Therefore, the same catalogue number may occur several times.

PLANTAE

- ABACELLA DELICATULA** Johnson, 1964.
Abacella delicatula Johnson, 1964, p. 101, Pl. 27, fig. 4.
 S.U.P. 16002 (=N456) Holotype (= 2838)
 Between Euchareena and Mumbil, N of Orange, N.S.W.
 Nubrigyn Formation
Lower Devonian
- ALETHOPTERIS AUSTRALIS** Morris, 1845; Tenison Woods, 1883.
Alethopteris australis Morris, 1845; Tenison Woods, 1883, p. 75.
 S.U.M. 6, 31 (*partim*), 62, 63, 78, 53, 54, 55, 122. Mentioned in *litt*.
 Rosewood, Ipswich, Qld (for S.U.M. 6, 31, 53, 63, 78)
 Fassifern, Qld (for S.U.M. 54)
 Locality of 55, 62, and 122 unknown
- ALETHOPTERIS CONCINNA** Tenison Woods, 1883.
Alethopteris concinna Tenison Woods, 1883, p. 76, Pl. 9, fig. 1.
 S.U.M. 32 Holotype (?)
 Fassifern, Qld
- ALETHOPTERIS CURRANI** Tenison Woods, 1883.
Alethopteris currani Tenison Woods, 1883, p. 77, Pl. 6, fig. 4.
 S.U.M. 37 (Pl. 6, fig. 4), 72, 73, 75, 76
 Ballinore Coal-field, Talbragar River near Dubbo, N.S.W.
- ANGIOPTERIDIUM ENSIS** Morris, 1845; Tenison Woods, 1883.
Angiopteridium ensis Morris, 1845; Tenison Woods, 1883, p. 83.
 S.U.M. 4 and 25 (both *partim*), also 61 (*partim*). Mentioned in *litt*.
 Aberdare Mine, Ipswich, Qld
Jurassic
- ? **ARAUCARIAN CONE** Walkom, 1935.
 ? Araucarian cone Walkom, 1935, p. 463, Pl. 19, fig. 10.
 S.U.P. 2044 Figured specimen
 Newcastle Coal Measures
 Werrie Basin, N.S.W.
Upper Permian
- ARAUCARITES AUSTRALIS** Tenison Woods, 1883.
Araucarites australis Tenison Woods, 1883, Pl. 10, fig. 1.
 ? = *A. polycarpa* Tenison Woods, 1883, p. 129.
 S.U.M. 105 Holotype ? (Pl. 10, fig. 1)
 Burnett River coal beds, Qld
- ARAUCARITES SYDNEYENSIS** Walkom, 1925; Burges, 1935.
Araucarites sydneyensis Walkom, 1925; Burges, 1935, p. 262, Text-figs 10, 11.
 See *Cylostrobus sydneyensis*.
 S.U.P. 2010 (Fig. 10), 2011 (Fig. 11)
 Sydney Basin
 Narrabeen Group
Lower Triassic
- AUSTROCLEPSIS AUSTRALIS** (Osborn, 1917); Sahni, 1932.
Austroclepsis australis (Osborn, 1917, in *litt.*); Sahni, 1928 (figs); 1932 (*cum syn.*), p. 274.
 S.U.P. 1101 Holotype (nos 1 & 2 of Sahni, 1928; Pl. I, figs 1, 14, 16, 20-22, Text-fig. 11)
 4 miles NNE of Mount Tangorin, Hunter Valley, N.S.W., in freshwater conglomerate of Kuttung Series
 S.U.P. 1102 (figs 29-31, 34-38, 40, 44, 46-49, 50, 51)
 S.U.P. 1103 (No. 6 of Sahni, 1928) (figs 26-28, 32, 33, 41-43, 45)
 S.U.P. 1089 (No. 3 of Sahni, 1928)
 Lyndon, S of Eccleston, Allyn River, N.S.W.
Carboniferous

BAIERA SIMMONDSI Shirley; Burges, 1935.

Baiera simmondsi Shirley; Burges, 1935, p. 261, Text-figs 7, 8.

S.U.P. 2008, 2009 Mentioned, figured specimen

Sydney Basin

Narrabeen Group

Lower Triassic

BRACHYPHYLLUM AUSTRALE Feistmantel, 1878; Tenison Woods, 1883.

Brachyphyllum australe Feistmantel, 1878; Tenison Woods, 1883, p. 159.

S.U.M. 67 Mentioned

Tivoli, Qld

CALAMITES (ARCHAEOCALAMITES)

RADIATUS (Brongniart, 1828); Tenison Woods, 1883.

Calamites (Archaeocalamites) radiatus (Brongniart, 1828); Tenison Woods, 1883, p. 49.

S.U.M. 84, 85, 86, 87, 88, 89, 90, 98, 109 (*parte*), 110, 113 (*parte*), 118, 124. Mentioned specimens (*in litt.*)

Drummond Range, Qld

CARPOLITHUS CIRCULARIS Walkom, 1935.

Carpolithus circularis Walkom, 1935, p. 462, Pl. 19, figs 13, 14.

S.U.P. 2042, 2043

Werrie Basin, N.S.W.

Newcastle Coal Measures

Upper Permian

CARPOLITHUS STRIATUS Walkom, 1935.

Carpolithus striatus Walkom, 1935, p. 461, Pl. 19, fig. 5.

S.U.P. 2032

Werrie Basin, N.S.W.

Upper Kuttung Series

Carboniferous

CAULOPTERIS sp. 2 Burges, 1935.

Caulopteris sp. 2 Burges, 1935, p. 260,

Text-figs 3, 4.

S.U.P. 2006 Mentioned, figured specimen
Sydney Basin

Narrabeen Group

Lower Triassic

? **CEDROXYLON TRIASSICUM** Burges, 1935.

? *Cedroxylon triassicum* Burges, 1935, p. 263, Pl. 19, figs 7-9.

S.U.P. 16019 Figured sections

Sydney Basin

Narrabeen Group

Lower Triassic

CORDAICARPUS EMARGINATUS Walkom, 1935.

Cordaicarpus emarginatus Walkom, 1935, p. 462, Pl. 19, fig. 11.

S.U.P. 2039 Figured specimen

Werrie Basin, N.S.W.

Greta Coal Measures

Permian

CORDAICARPUS ?OVATUS Walkom, 1935.

Cordaicarpus ?ovatus Walkom, 1935, p. 461, Pl. 19, fig. 8.

S.U.P. 2034 Figured specimen

Werrie Basin, N.S.W.

Upper Kuttung Series

Carboniferous

CORDAICARPUS PROLATUS Walkom, 1935.

Cordaicarpus prolatus Walkom, 1935, p. 461, Pl. 19, fig. 6.

S.U.P. 2035

Werrie Basin, N.S.W.

Upper Kuttung Series

Carboniferous

CORNUCARPUS STRIATUS Walkom, 1935.

Cornucarpus striatus Walkom, 1935, p. 461, Pl. 19, fig. 9.

S.U.P. 2038

Werrie Basin, N.S.W.

Greta Coal Measures

Permian

CUNNINGHAMITES AUSTRALIS Tenison Woods, 1883.

Cunninghamites australis Tenison Woods, 1883, p. 129.

S.U.M. 27 and 28 Figured specimens (Pl. 3, fig. 2 and Pl. 7, fig. 1, respectively)

S.U.M. 133 and 134 (Pl. 4, fig. 1)

Rosewood, Ipswich, Qld

CUNNINGHAMITES ?sp. Tenison Woods, 1883.

Cunninghamites ?sp. Tenison Woods, 1883, figs 12, 38.

S.U.M. 12, 38 Figured specimens

Tivoli Mine, near Ipswich, Qld

CUPRESSINOXYLON NOVAE-VALESIAE Burges, 1935.

Cupressinoxylon novae-valesiae Burges, 1935, p. 263, P. 10, figs 2-5.

S.U.P. 16020 Figured specimens and sections

Sydney Basin

Narrabeen Group

Lower Triassic

CUPRESSINOXYLON sp. Burges, 1935.

Cupressinoxylon sp. Burges, 1935, Pl. 10, fig. 6.

S.U.P. 16021 Figured specimen

Sydney Basin

Narrabeen Group

Lower Triassic

CYLOSTROBUS GRANDIS Helby & Martin, 1965.

Cylostrobos grandis Helby & Martin, 1965, Pl. 1, fig. 1; Pl. 2, figs 14, 15, 17, 20, 21.

S.U.P. 16015 Holotype; also unnumbered paratypes on thin sections

Narrabeen district, Sydney, N.S.W.

Narrabeen Group

Lower Triassic

CYLOSTROBUS MAJOR Helby & Martin, 1965.

Cylostrobos major Helby & Martin, 1965, p. 396, Pl. 1, figs 2, 4, 8, 9; Pl. 2, figs 12, 13, 19.

S.U.P. 16014 Holotype (Pl. 1, fig. 2)

S.U.P. 16018 Paratype (Pl. 1, fig. 4)

S.U.P. 16023 Paratype (Pl. 1, fig. 8)

S.U.P. 16024 Paratype (Pl. 1, fig. 9)

Turrimetta Head, N.S.W.

Collaroy Claystone of Narrabeen Group

Lower Triassic

CYLOSTROBUS SYDNEYENSIS (Walkom, 1925); Helby & Martin, 1965.

Cylostrobos sydneyensis (Walkom, 1925); Helby & Martin, 1965, p. 395, Pl. 1, figs 3, 5, 6, 7; Pl. 2, figs 10, 11, 18; Pl. 3, figs 22-27.

S.U.P. 16016 Neotype (Pl. 1, fig. 3)

S.U.P. 16021 a, b, 16022 Paratypes (Pl. 1, figs 5, 6, 7 respectively)

Turrimetta Head, N.S.W.

Collaroy Claystone of Narrabeen Group

Lower Triassic

DADOXYLON FARLEYENSE Walkom, 1928.

Dadoxylon farleyense Walkom, 1928b, p. 261, Pl. 22, figs 4-9; Pl. 23, figs 1-3.

S.U.P. 15081 Holotype

Welshman's Creek, Wallarobba, N.S.W.

Ravensfield Sandstone, Dalwood Group

Permian

DICROIDIDIUM ODONTOPTEROIDES

(Morris, 1845); Gothan, 1912; Townrow, 1957.

Dicroidium odontopteroides (Morris, 1845); Gothan, 1912; Townrow, 1957, p. 33 (*cum syn.*).

See *Thinnfeldia odontopteroides* (Morris, 1845) Tenison-Woods, 1883.

EPIPHYTON FASCICULATUM Chapman, 1916.

Epiphyton fasciculatum Chapman, 1916, p. 82, Pl. 1, fig. 1.

S.U.P. 16013 Paratype
Antarctica at 85°S

Limestone breccia pebble, containing
archaeocyathids, oolite grains, and
ostracods

Cambrian

EQUISETUM LATUM Tenison Woods,
1883.

Equisetum latum Tenison Woods, 1883,
Pl. 2, fig. 1.

S.U.M. 43 Figured stem
Rosewood, Rockhampton, Qld

EQUISETUM ROTIFERUM Tenison
Woods, 1883.

Equisetum rotiferum Tenison Woods, 1883,
p. 30, Pl. 6, figs 5, 6.

S.U.M. 14 Holotype?

S.U.M. 3, 8, 9, 10, 11, 13, 30 (parte), 69,
80, 81, 82, 96 (mentioned in litt.)

Tivoli mine, Ipswich, Qld
Aberdare, Ipswich district, Qld
Rosewood, Ipswich, Qld

GANGAMOPTERIS sp. a Carey, 1935.

Gangamopteris sp. a Carey, 1935, p. 450,
Text-fig. 3.

S.U.P. 3036 and 3037 Mentioned and
figured frond

Werrie Basin, N.S.W.

Greta Coal Measures

Permian

GANGAMOPTERIS sp. Carey, 1935.

Gangamopteris sp. Carey, 1935, p. 450.

S.U.P. 3031, 3034 Mentioned

Werrie Basin, N.S.W.

Greta Coal Measures

Permian

GARWOODIA PRIMITIVA Johnson,
1964.

Garwoodia primitiva Johnson, 1964, p. 99,
Pl. 25, fig. 3.

S.U.P. 16000 (= N466) (partim) Holo-
type, figured

Between Euchareena and Mumbil, N of
Orange, N.S.W.

Nubrigyn Formation

Lower Devonian

GIRVANELLA DUCII Wethered, 1890;
Johnson, 1964.

Girvanella ducii Wethered, 1890; Johnson,
1964, p. 104, Pl. 25, fig. 5.

S.U.P. 16009 Figured

Between Euchareena and Mumbil, N of
Orange, N.S.W.

Nubrigyn Formation

Lower Devonian

GIRVANELLA sp. aff. DUCII Wethered,
1890; Johnson, 1964.

Girvanella sp. aff. *ducii* Wethered, 1890;
Johnson, 1964, p. 104, Pl. 25, fig. 4.

S.U.P. 16010 Figured

Between Euchareena and Mumbil, N of
Orange, N.S.W.

Nubrigyn Formation

Lower Devonian

GIRVANELLA PROBLEMATICA
Nicholson & Etheridge, 1880; Wolf,
Flügel, & Kemezs, 1968.

Girvanella problematica Nicholson &
Etheridge, 1880; Wolf, Flügel, &
Kemezs, 1968, p. 150, fig. 2.

S.U.P. 16073-76 (Mentioned and figured:
16075)

1 mile SW of Wahringa Farm, S. of Bakers
Swamp, Wellington district, N.S.W.

Blathery Creek Volcanics

Ordovician

GIRVANELLA TASMANIAENSIS Banks
& Johnson, 1957; Wolf, Flügel, &
Kemezs, 1968.

Girvanella tasmaniaensis Banks & Johnson,
1957; Wolf, Flügel, & Kemezs, 1968, p.
151, figs 3, 4.

S.U.P. 16077-89 (Mentioned and figured:
16086)

1 mile SW of Wahringa Farm, S of Bakers
Swamp, Wellington district, N.S.W.
Blathery Creek Volcanics

Ordovician

GLEICHENIA ?LINEATA Tenison
Woods, 1883.

Gleichenia ?lineata Tenison Woods, 1883,
p. 94, Pl. 3, fig. 6; Pl. 8, fig. 2.

S.U.M. 34 Holotype ? (Pl. 3, fig. 6)

S.U.M. 64 Mentioned *in litt.*

Ipswich, Qld (S.U.M. 34)

Rosewood, Ipswich Basin, Qld (S.U.M.
64)

Rosewood, Ipswich, Qld (S.U.M. 65)

HEDSTROEMIA AUSTRALE Johnson,
1964.

Hedstroemia australe Johnson, 1964, p. 99,
Pl. 25, figs 1, 2.

S.U.P. 16000 (= N466 *partim*) Holotype
Between Euchareena and Mumbil, N of
Orange, N.S.W.

Nubrigyn Formation

Lower Devonian

JEANPAULIA BIDENS Tenison Woods,
1883.

Jeanpaulia bidens Tenison Woods, 1883,
p. 96, Pl. 4, fig. 3.

S.U.M. 40 Holotype?

Burnett River, Qld

JEANPAULIA BIDENS Tenison Woods,
1883; Shirley, 1896.

Jeanpaulia bidens Tenison Woods, 1883;
Shirley, 1896.

See *Jeanpaulia bidens* Tenison Woods,
1883

LANCICULA WOLFI Johnson, 1964.

Lancicula wolfi Johnson, 1964, p. 102, Pl.
26, figs 1-7.

S.U.P. 16003 Holotype

Between Euchareena and Mumbil, N of
Orange, N.S.W.

Nubrigyn Formation

Lower Devonian

LEPIDODENDRON NOTHUM? Unger,
1856; Tenison Woods, 1883.

Lepidodendron nothum? Unger, 1856;
Tenison Woods, 1883, p. 99.

S.U.M. 94, 103 Mentioned *in litt.*

LEPIDODENDRON OSBORNEI Walkom,
1928.

Lepidodendron osbornei Walkom, 1928b,
p. 256, Pl. 21, figs 1-2.

S.U.P. 4016 Holotype

Welshman's Creek, Wallarobba, N.S.W.

Kuttung Series

Carboniferous

LEPIDODENDRON VELTHEIMIANUM
Sternberg, 1828; Tenison Woods, 1883.

Lepidodendron veltheimianum Sternberg,
1828; Tenison Woods, 1883, p. 99.

S.U.M. 84 and 92 (both *partim*), 91, 93,
95, 96, 98, 109 (*partim*), 111, 112, 113
(*partim*), 114, 115, 116, 117, 119, 120,
121, 125, 126, 127, 131. Mentioned *in*
litt.

Drummond Range, Qld

'LEPIDODENDRON' sp. Barnard, 1928.

'Lepidodendron' sp. Barnard, 1928, p.
665, Pl. 11, figs 1, 2, Text-figs 1-5.

S.U.P. 3051 Holotype (figured stem and
transverse section)

Welshman's Creek, near Wallarobba,
N.S.W.

Burindi Series (?)

Lower Carboniferous

LEPIDOPHLOIOS sp. indet. Mackay,
1964.

'Lepidophloios' sp. indet. Mackay, 1964,
p. 83, Pl. 1, fig. 12.

S.U.P. 7016 Mentioned and figured speci-
men

Wallerawang 1:63,360 military sheet,
ref. 001650; 2200 ft above the basal
unconformity of the Lambie Group

Devonian

LEPIDOPTERIS MADAGASCARIENSIS

Carpentier, 1935; Townrow, 1966.

Lepidopteris madagascariensis Carpentier, 1935; Townrow, 1966, p. 203 (*cum syn.*), Text-figs 1B, 1E, 2B, 3C, 3E, 4B, 4D.

S.U.P. 16023, 16024 Mentioned and figured specimens

Turrimetta Head, 1 mile N of Narrabeen, N.S.W.

Lower Triassic

LITANAIA CRACENS Johnson, 1964.

Litanaia cracens Johnson, 1964, p. 100, Pl. 27, figs 2, 3.

S.U.P. 16004 (=N309 *partim*) Holotype
= 2882, 2887 (Johnson's
slide numbers)

Between Euchareena and Mumbil, N of
Orange, N.S.W.

Nubigyn Formation

Lower Devonian

LITANAIA ROBUSTA Johnson, 1964.

Litanaia robusta Johnson, 1964, p. 100, Pl. 26, figs 8, 9, 10; Pl. 27, fig. 1.

S.U.P. 16001 (*partim*) Holotype
(= N309, N456)

Between Euchareena and Mumbil, N of
Orange, N.S.W.

Nubrigyn Formation

Lower Devonian

LITOPORA SPATIOSA Johnson, 1964
(for genus & sp.).

Litopora spatiosa Johnson, 1964 (for genus
& sp.), pp. 103-104, Pl. 27, figs 5, 9.

S.U.P. 16008 Holotype (type species)
(= N309)

Between Euchareena and Mumbil, N of
Orange, N.S.W.

Nubrigyn Formation

Lower Devonian

LYCOSTROBUS LONGICAULIS Burges,
1935.

Lycostrobus longicaulis Burges, 1935, p.
259, Text-fig. 1.

See Helby & Martin, 1965, who also men-
tioned this specimen.

S.U.P. 2003 Holotype
Avalon, N of Sydney, N.S.W.
Narrabeen Group

Lower Triassic

MERIANOPTERIS MAJOR Feistmantel,
1881; Tenison Woods, 1883.

Merianopteris major Feistmantel, 1881;
Tenison Woods, 1883, p. 78.

S.U.M. 58, 130 Mentioned *in litt.*

Ballinore coal field, Talbragar River, near
Dubbo, N.S.W.

NEOCALAMITES STRIATIFOLIA Carey,
1935.

Neocalamites striatifolia Carey, 1935, p.
454, Text-fig. 4.

S.U.P. 3010 Holotype

Werris Creek, Por. 118, Par. Werrie, N.S.W.

Upper Permian

NEUROPTERIS AUSTRALIS Tenison
Woods, 1883.

Neuropteris australis Tenison Woods, 1883,
p. 64, Pl. 8, figs 4, 5.

S.U.M. 57 Holotype ? (Pl. 8, fig. 4)

Wellington Valley, Bell River, near Welling-
ton, N.S.W.

?NOEGGERATHIA sp. Walkom, 1934.

?*Noeggerathia sp.* Walkom, 1934, p. 433,
Pl. 18, fig. 3.

S.U.P. 4014 a-b (2 specimens)

Paterson and Currabubula, N.S.W.

Upper Kuttung Series

Carboniferous

NOEGGERATHIOPSIS HISLOPI Feist-
mantel, 1879, 1890; Carey, 1935.

Noeggerathiopsis hislopi Feistmantel, 1879,
1890; Carey, 1935, p. 450.

S.U.P. 3032, 3033

Werrie Basin, N.S.W.

Greta Coal Measures

Permian

ODONTOPTERIS DUBIA Burges, 1935.

Odontopteris dubia Burges, 1935, p. 261,
Text-figs 6, 69.

S.U.P. 2007 Holotype

Sydney Basin

Narrabeen Group

Lower Triassic

OLEANDRIDIDIUM LENTRICULIFORME

Etheridge, 1894.

Oleandrididium lentriculiforme Etheridge,
1894, p. 49, Pl. 8, figs 1-3

S.U.P. 3079, 4065, 4094 ? Syn-
types (Figured 'syntypes' are in the
Australian Museum and Mining
Museum)

Freshwater, near Curl Curl, N of Manly,
N.S.W.

Hawkesbury Sandstone (in a shale lens)

Triassic

PALAEOVITTARIA MCCARTHYI

Carey, 1935.

Palaeovittaria mccarthyi Carey, 1935, p.
449, Text-figs 1, 2.

S.U.P. 3035 Holotype

Werrie Basin (in Par. Werrie), N.S.W.

Greta Coal Measures

Permian

PHYLLOTHECA CARNOSA Tenison
Woods, 1883.

Phyllothea carnosa Tenison- Woods, 1883,
p. 39, Pl. 9, fig. 2.

S.U.M. 17 Holotype?

Walloon Mine, Qld

Walloon Coal Measures

Jurassic

PHYLLOTHECA CONCINNA Tenison
Woods, 1883.

Phyllothea concinna Tenison- Woods,
1883, p. 39, Pl. 6, fig. 9.

S.U.M. 106 Holotype? (Pl. 6, fig. 9)

S.U.M. 106, 107, 108 Mentioned (*in litt.*)

Sugarloaf Hill, near Campbelltown, N.S.W.

?PITYOLEPIS sp. Walkom, 1935.

?Pityolepis sp. Walkom, 1935, p. 462, Pl.
19, fig. 12.

S.U.P. 2040 Holotype

Werrie Basin, N.S.W.

Newcastle Coal Measures

Upper Permian

PITYS ?SUSSMILCHI Walkom, 1928.

Pitys ?sussmilchi Walkom, 1926, p. 260, Pl.
22, figs 1-3.

S.U.P. 15080 Holotype

Welshman's Creek, Wallarobba, N.S.W.

Volcanic stage of Kuttung Series

Upper Carboniferous

PTILOPHYLLUM OLIGONEURUM

Tenison Woods, 1883.

Ptilophyllum oligoneurum Tenison Woods,
1883, p. 113, Pl. 7, figs 2, 3, 4.

S.U.M. 47, 49, 50 Holotype? (Pl. 7, figs
2, 3, 4 respectively)

S.U.M. 45 (*partim*), 48, 59 Mentioned
in litt.

Rosewood, Rockhampton, Qld

RENALCIS DEVONICUS Johnson, 1964.

Renalcis devonicus Johnson, 1964, p. 106,
Pl. 29, figs 3, 4.

S.U.P. 16005 (= N285 *partim*) Holotype
Between Euchareena and Mumbil, N of
Orange, N.S.W.

Nubrigyn Formation

Lower Devonian

RHIPIDOPSIS NARRABEENENSIS

Walkom, 1925; Burges, 1935.

Rhipidopsis narrabeenensis Walkom, 1925;
Burges, 1935, p. 262, Text-fig. 9.

S.U.P. 2012

Sydney Basin

Narrabeen Group

Lower Triassic

ROTHPLETZELLA DEVONICUM

(Maslov); Johnson, 1964.

Rothpletzella devonicum (Maslov);
Johnson, 1964, p. 105, Pl. 28, figs 1,
2; Pl. 29, figs 1, 2.

- S.U.P. 16006 (=2837, Johnson's slide number) Figured (thin sections)
Between Euchareena and Mumbil, N of Orange, N.S.W.
Nubrigyn Formation
Lower Devonian
- SAGENOPTERIS RHOIFOLIA** Presl in Sternberg; Tenison Woods, 1883.
Sagenopteris rhoifolia Presl in Sternberg; Tenison Woods, 1883, p. 92.
S.U.M. 104
Darling Downs, Qld
- SAMAROPSIS MILLERI** Feistmantel; Walkom, 1935.
Samaropsis milleri Feistmantel; Walkom, 1935, p. 461, Pl. 19, fig. 7.
S.U.P. 2031 Mentioned, figured specimen Werrie Basin, N.S.W.
Upper Kuttung Series
Upper Carboniferous
- SAMAROPSIS MORAVICA?** Helmbacher; Walkom, 1928; 1935.
Samaropsis moravica? Helmbacher; Walkom, 1928a, p. 562, fig. 10; 1935, p. 462.
S.U.P. 2041 Mentioned, figured specimen Werrie Basin, N.S.W.
Newcastle Coal Measures
Upper Permian
- SAMAROPSIS ?OVALIS** Walkom, 1935.
Samaropsis ?ovalis Walkom, 1935, p. 460, Pl. 19, fig. 3.
S.U.P. 2028 Holotype
Werrie Basin, N.S.W.
Upper Kuttung Series
Upper Carboniferous
- SAMAROPSIS cf. BARCELLOSA** White; Walkom, 1935.
Samaropsis cf. Barcellosa White; Walkom, 1935, p. 460, Pl. 19, fig. 4.
S.U.P. 2030 Mentioned, figured specimen Werrie Basin, N.S.W.
Upper Kuttung Series
Upper Carboniferous
- SEQUIOITES ?AUSTRALIS** Tenison Woods, 1883.
Sequoiites ?australis Tenison Woods, 1883, p. 126, Pl. 7, fig. 5.
S.U.M. 45 Holotype?
Rosewood, Qld
- ?SPHENOPTERIDIUM CUNEATUM** Walkom, 1934.
?Sphenopteridium cuneatum Walkom, 1934, p. 432, Pl. 18, fig. 2.
S.U.P. 4015 Holotype
Currabubula, N.S.W.
Upper Kuttung Series
Carboniferous
- SPHENOPTERIS CREBRA** Tenison Woods, 1883.
Sphenopteris crebra Tenison Woods, 1883, p. 57, Pl. 3, fig. 4.
S.U.M. 127 (2 specimens) Syntypes?
Ballinore coal mine, Talbragar River, near Dubbo, N.S.W.
- SPHENOPTERIS BAILEYANA** Tenison Woods, 1883.
Sphenopteris baileyana Tenison Woods, 1883, p. 57, Pl. 4, fig. 2.
S.U.M. 140 Holotype?
Rosewood, Ipswich, Qld
- SPHENOPTERIS (ANEIMIOIDES) FLABELLIFOLIA** var. **ERECTA** Tenison Woods, 1883.
Sphenopteris (Aneimioides) flabellifolia var. *erecta* Tenison Woods, 1883, p. 58, Pl. 2, fig. 2.
S.U.M. 39 Holotype?
S.U.M. 62
Burnett River, Qld
Triassic
- SPHENOPTERIS ?GLOSSOPHYLLA** Tenison Woods, 1883.
Sphenopteris ?glossophylla Tenison Woods, 1883, p. 58, Pl. 4, fig. 4.
S.U.M. 35 Holotype?
Talbragar River, near Dubbo, N.S.W.
Triassic

STIGMARIA FICOIDES Brongniart; Walkom, 1928.

Stigmaria ficoides Brongniart; Walkom, 1928b, p. 259.

S.U.P. 4018 Mentioned specimen
Welshman's Creek, Wallarobba, N.S.W.
Volcanic Stage of Kuttung Series

Carboniferous

STIGMARIA sp. Tenison Woods, 1883.

Stigmaria sp. Tenison Woods, 1883, p. 6
and *in litt.*

S.U.M. 97 Mentioned specimen
Drummond Range, Qld

TAENIOPTERIS DAINTREEI McCoy,
1860; Tenison Woods, 1883.

Taeniopteris daintreei McCoy, 1860;
Tenison Woods, 1883.

S.U.M. 31 Mentioned specimen (*in litt.*)

?TAENIOPTERIS UNDULATA Burges,
1935.

?*Taeniopteris undulata* Burges, 1935, p.
261, Pl. 10, fig. 1.

S.U.P. 2005 Holotype

Sydney Basin
Narrabeen Group

Lower Triassic

TAXITES MEDIUS Tenison Woods, 1883.

Taxites medius Tenison Woods, 1883, p.
124, Pl. 9, fig. 3.

S.U.M. 102 Holotype?
Rosewood, Ipswich, Qld

THINNFELDIA FALCATA Tenison
Woods, 1883.

Thinnfeldia falcata Tenison Woods, 1883,
p. 71, Pl. 8, fig. 1.

S.U.M. 19 Holotype? (Pl. 8, fig. 1)

S.U.M. 5, 20 (*partim*), 23, 24, 25
(*partim*), 29, 30 (*partim*), 61 (*partim*).
Mentioned (*in litt.*)

Rosewood, Ipswich, Qld
Darling Downs, Qld
Toowoomba, Qld

Triassic

THINNFELDIA MEDIA Tenison Woods,
1883.

Thinnfeldia media Tenison Woods, 1883,
p. 66, Pl. 6, fig. 1.

S.U.M. 26 Holotype? (Pl. 6, fig. 1)
Dubbo sandstone quarries, N.S.W.

Triassic

THINNFELDIA ODONTOPTEROIDES
(Morris, 1845); Tenison Woods, 1883.

Thinnfeldia odontopteroides (Morris,
1845); Tenison Woods, 1883, pp. 67, 70
(*cum syn.*).

S.U.M. 1, 4 (*partim*), 7 (*partim*), 18, 61
(*partim*), 77, 20 (*partim*), 21. Men-
tioned *in litt.*

Ipswich, Aberdare Mine, Qld

Rosewood, Ipswich, Qld

Pine Mountain, Qld (S.U.M. 77)

Rosewood, Ipswich, Qld

Triassic

THINNFELDIA ODONTOPTEROIDES
var. **FALCATA** Tenison Woods, 1883.

Thinnfeldia odontopteroides var. *falcata*
Tenison Woods, 1883, p. 71, Pl. 8,
fig. 1.

S.U.M. 29 Mentioned *in litt.*

Aberdare Mine, Ipswich, Qld

THINNFELDIA ODONTOPTEROIDES
var. **LONGIFOLIA** Tenison Woods,
1883.

Thinnfeldia odontopteroides var. *longifolia*
Tenison Woods, 1883, p. 71.

S.U.M. 2 Mentioned *in litt.*

Rosewood, Ipswich, Qld

Triassic

TODITES NARRABEENENSIS Burges,
1935.

Todites narrabeenensis Burges, 1935, p.
259, Text-fig. 2.

S.U.P. 2004 Holotype

Turrimetta Head, Mona Vale-Avalon,
N.S.W.

Grey shale horizon, 40 ft above the Choco-
late Shale, Narrabeen Group

Triassic

- TRICHOMANIDES LAXUM** Tenison Woods, 1883.
Trichomanides laxum Tenison Woods, 1883, p. 59, Pl. 10, fig. 2.
 S.U.M. 103 Holotype?
 Rosewood, Ipswich, Qld
- TRICHOMANIDES SPINIFOLIUM**
 Tenison Woods, 1883.
Trichomanides spinifolium Tenison Woods, 1883, p. 59, Pl. 10, fig. 2.
 S.U.M. 22 Mentioned *in litt.*
 S.U.M. 33 Holotype? (Pl. 3, fig. 7)
 Rosewood, Ipswich, Qld
- TRIGONOCARPUS ?ELLIPTICUS**
 Walkom, 1935.
Trigonocarpus ?ellipticus Walkom, 1935, p. 460, Pl. 19, fig. 2.
 S.U.P. 2024 Holotype
 Werrie Basin, N.S.W.
 Upper Kuttung Series
 Upper Carboniferous
- TRIGONOCARPUS ?OVOIDEUS**
 Walkom, 1935.
Trigonocarpus ?ovoideus Walkom, 1935, p. 459, Pl. 19, fig. 1.
 S.U.P. 2022 Holotype
 Werrie Basin, N.S.W.
 Upper Kuttung Series
 Upper Carboniferous
- ULODENDRON MINUS** Lindley & Hutton; Walkom, 1928.
Ulodendron minus Lindley & Hutton; Walkom, 1928b, p. 258, Pl. 21, fig. 3.
- S.U.P. 4016 Mentioned, figured specimen
 Welshman's Creek, Wallarobba, N.S.W.
 Kuttung Series
 Carboniferous
- UVA ? sp.** Johnson, 1964.
Uva ? sp. Johnson, 1964, p. 102, Pl. 27, fig. 8.
 S.U.P. 16001 (= N456) Holotype
 = 2838 (Johnson's slide number)
 Between Euchareena and Mumbil, N of Orange, N.S.W.
 Nubrigyn Formation
 Lower Devonian
- VERTEBRARIA EQUISETI** Tenison Woods, 1883.
Vertebraria equiseti Tenison Woods, 1883, p. 44, Pl. 1, fig. 3.
 S.U.M. 42 Holotype?
 Tivoli Mine, Ipswich, Qld
- VERTEBRARIA TOWARRENSIS**
 Tenison Woods, 1883.
Vertebraria towarrensis Tenison Woods, 1883, p. 45, Pl. 1, figs 1, 2, 4.
 S.U.M. 52 Holotype? (Pl. 1, fig. 4)
 S.U.M. 44, 46, 51, 56
 Rosewood, Qld
- WALCHIA MILNEANA** Tenison Woods, 1883.
Walchia milneana Tenison Woods, 1883, p. 127, Pl. 2, fig. 3; Pl. 3, figs 7, 8.
 S.U.M. 36, 41 Holotypes? (Pl. 3, fig. 5 and Pl. 2, fig. 3 respectively)
 S.U.M. 74 Mentioned *in litt.*
 Ballinore Coal Field, Talbragar River, near Dubbo, N.S.W.

ANIMALIA

PROTOZOA

ENCrustING FORAMINIFERA

Johnson, 1964.

Encrusting Foraminifera Johnson, 1964, p. 106, Pl. 29, figs 3, 4.

S.U.P. 1600 (=2841a) Figured sections Between Euchareena and Mumbil, N of Orange, N.S.W.

Nubrigyn Formation

Lower Devonian

COELENTERATA

ACANTHOHALYSITES AUSTRALIS

Etheridge, 1898; Strusz, 1961.

Acanthohalysites australis Etheridge, 1898; Strusz, 1961, p. 353 (*cum syn.*), Pl. 44, figs 6, 7.

S.U.P. 10183 (Pl. 44, figs 6, 7) and 11211 Mentioned and figured (10183) specimens

Pors 93 and 5 (respectively) in Par. Mumbil, Co. Wellington, N.S.W.

Lower or Middle Silurian (10183) and Upper Ordovician or Lower Silurian (11211)

ACANTHOPHYLLUM AEQUISEPTATUM Hill, 1939; 1942.

Acanthophyllum aequiseptatum Hill, 1939; 1942b, p. 189, Pl. 6, fig. 1.

S.U.P. 7297 Figured sections

Near Geurie, 12-mile post from Wellington, towards Dubbo, N.S.W.

Lower Middle Devonian (Couvianian)

ACANTHOPHYLLUM ?MANSFIELDENSE Dun, 1918; Hill, 1942.

Acanthophyllum ?mansfieldense Dun, 1918; Hill, 1942a, p. 146, Pl. 2, fig. 1.

S.U.P. 7254 Figured section

Por. 256, Par. Burdekin, Tamworth district, N.S.W.

Nemingha Limestone

Devonian

ACANTHOPHYLLUM (ACANTHOPHYLLUM) AENAE Strusz, 1966.

Acanthophyllum (Acanthophyllum) aenae Strusz, 1966, p. 550, Pl. 85, figs 5a, b.

S.U.P. 11291 Holotype, figured

S.U.P. 11296 Topotype, mentioned (p. 550)

S.U.P. 14121 Mentioned (p. 550)

Por. 81 (NW), Par. Bell, Co. Ashburnam, Wellington district, N.S.W., except

S.U.P. 14121: Boundary of portions 75, 124, Par. Catombal, Co. Gordon

Garra Formation

Devonian

ACANTHOPHYLLUM (ACANTHOPHYLLUM) sp. cf. CLERMONTENSE (Etheridge, 1911); Strusz, 1966.

Acanthophyllum (Acanthophyllum) sp. cf. clermontense (Etheridge, 1911); Strusz, 1966, p. 552, Pl. 85, figs 3, 4, 6; Pl. 86, fig. 1, text-fig. 4.

S.U.P. 13227 Mentioned, figured (p. 552, Pl. 85, figs 3a, b)

S.U.P. 13230 Mentioned, figured (p. 552, Pl. 85, figs 4a, b)

S.U.P. 17237 Mentioned, figured (p. 552, Pl. 85, figs 6a, b)

S.U.P. 17258 Mentioned, figured (p. 552, Pl. 86, fig. 1)

S.U.P. 17261 Mentioned (p. 552)

Por. 80 Par. Curra, Co. Gordon, Wellington district, N.S.W. (for S.U.P. 13227, 13230) and Por. 103, Par. Ponto, Co. Gordon, (for S.U.P. 17237, 17258, 17261)

Garra Formation

Devonian

ACANTHOPHYLLUM (NEOSTRINGOPHYLLUM) IMPLICATUM Strusz, 1966.

Acanthophyllum (Neostringophyllum) implicatum Strusz, 1966, p. 554, Pl. 86, figs 2-8, text-figs 5, 6.

S.U.P. 17219 Holotype, figured (p. 554, Pl. 86, figs 2a, b)

S.U.P. 7297 Figured (Pl. 86, figs 4a, b) (Also figured by Hill, 1942)

S.U.P. 12177 Figured (Pl. 86, figs 6a, b)

S.U.P. 13222 Figured (Pl. 86, fig. 8)

S.U.P. 15296 Figured (Pl. 86, fig. 3)

S.U.P. 18222 Figured (Pl. 86, figs 5a, b)

Por. 103, Par. Ponto, Co. Gordon (Holotype)

Por. 210 (NE), Par. Geurie, Co. Lincoln (S.U.P. 7297)

Por. 106 (NE corner), Par. Cardington, Co. Gordon (S.U.P. 12177)

Por. 80, Par. Curra, Co. Gordon (S.U.P. 13222)

Pors 98, 160, Par. Eurimbula, Co. Gordon (S.U.P. 15296)

Por. 103 (W), Par. Ponto, Co. Gordon (S.U.P. 18222)

Garra Formation

Devonian

ACANTHOPHYLLUM (NEOSTRINGOPHYLLUM) TURNI Strusz, 1966.

Acanthophyllum (*Neostringophyllum*) *turni* Strusz, 1966, p. 559, Pl. 87, figs 1, 2, text-fig. 7.

S.U.P. 14247 Holotype, figured (Pl. 87, figs 1a, b; text-fig. 7)

S.U.P. 14248 Topotype, mentioned (p. 559), figured (Pl. 87, figs 2a, b)

S.U.P. 14250 Topotype, mentioned (p. 559)

Por. 113 (SW corner), Par. Catombal, Co. Gordon

Garra Formation

Devonian

ACANTHOPHYLLUM (GRYPOPHYLLUM) JENKINSI Strusz, 1966.

Acanthophyllum (*Grypophyllum*) *jenkinsi* Strusz, 1966, p. 562, Pl. 87, fig. 3.

S.U.P. 16247 Holotype, figured (Pl. 87, figs 3a, b, c)

NE bank of railway cutting between Pors 197 and 198, near Geurie, N.S.W.

Garra Formation

Devonian

ACANTHOPHYLLUM sp. Hill, 1940.

Acanthophyllum sp. Hill, 1940, p. 179, Pl. 2, fig. 1.

S.U.P. 5171 Holotype

Por. 81, Par. Brymedura, Molong district, N.S.W.

Garra Beds

Lower and Middle Devonian

AULACOPHYLLUM TRIZONATUM Hill, 1942.

Aulacophyllum trizonatum Hill, 1942a, p. 160, Pl. 3, figs 10, 11, 12.

S.U.P. 7245 Holotype (Pl. 3, fig. 10)

S.U.P. 6212, 7242 Figured specimens (Pl. 3, figs 11 and 12 respectively)

Por. 88, Par. Burdekin, near Attunga, N.S.W.

Sulcor Limestone

Lower Middle Devonian

AULACOPHYLLUM sp. Hill, 1942.

Aulacophyllum sp. Hill, 1942b, p. 187, Pl. 5, figs 11a, b.

S.U.P. 7274 Figured sections

Por. 105, Par. Narragal

Devonian?

AUSTRALOPHYLLUM THOMASAE (Hill & Jones, 1940); Strusz, 1966.

Australophyllum thomasaе (Hill & Jones, 1940, p. 181, Pl. 4, fig. 1); Strusz, 1966, p. 586, Pl. 94, figs 1a, b; text-fig. 18.

S.U.P. 6188 Holotype (Pl. 94, figs 1a, b)

Pors 2, c, Par. Cudal, W of Orange, N.S.W.

Garra Formation

Devonian

Wellington district N.S.W.

AUSTRALOPHYLLUM ? sp. cf.

THOMASAE (Hill & Jones, 1940);
Strusz, 1966.

Australophyllum ? sp. cf. *thomasaе* (Hill &
Jones, 1940); Strusz, 1966, p. 586, Pl.
94, figs 2-5; Pl. 95, figs 1-3, text-fig. 18.

S.U.P. 14149 Figured (Pl. 94, fig. 4)

S.U.P. 14155 Figured (Pl. 94, fig. 3)

S.U.P. 7289 Holotype (Pl. 95, fig. 3.)

S.U.P. 14162 Figured (Pl. 95, fig. 2)

S.U.P. 18114 Figured (Pl. 94, fig. 2)

S.U.P. 20125 Figured (Pl. 94, fig. 5)

S.U.P. 20126 Figured (Pl. 95, fig. 1)

Por. 45 (NW Corner), Par. Catombal, Co.
Gordon

Garra Formation

Devonian

AUSTRALOPHYLLUM BILATERALE

Strusz, 1966.

Australophyllum bilaterale Strusz, 1966,
p. 589, Pl. 95, fig. 4; Pl. 96, fig. 1, text-
figs 19, 20.

S.U.P. 15158 Holotype, figured (Pl. 95,
fig. 4; Pl. 96, figs 1a, b)

Por. 127 (east), Par. Eurimbula, Co.
Gordon

Garra Formation

Devonian

BILLINGSASTRAEA APERTA (Hill,
1942); Strusz, 1965.

Billingsastrea aperta (Hill, 1942); Strusz,
1965, p. 547 (*cum syn.*), Pl. 74, fig. 41,
Pl. 75, figs 2, 3.

S.U.P. 7289 Holotype (Pl. 75, fig. 3.)

S.U.P. 13261, 20104 Figured specimens
(Pl. 74, fig. 4; Pl. 75, fig. 2 respectively).

7289: Por. 50, Par. Curra, Co. Gordon,
N.S.W.

Garra Formation

Devonian

BILLINGSASTREA SPECIOSA (Chap-
man, 1914); Strusz, 1965.

Billingsastrea speciosa (Chapman, 1914);
Strusz, 1965, p. 550, Pl. 76, figs 1a-c.

S.U.P. 13206 Figured sections

Por. 80, Par. Curra, Co. Gordon, Dubbo,
N.S.W.

Garra Formation

Devonian

'CAMPOPHYLLUM' cf. LINDSTROMI

Frech, 1886; Hill, 1942.

'*Campophyllum*' cf. *lindstromi* Frech, 1886;
Hill, 1942a, p. 148.

S.U.P. 7151 Mentioned specimen

Pors 41 and 42, Par. Woolomol, Tam-
worth district, N.S.W.

Woolomol Limestone

Upper Devonian (Givetian)

**CLATHRODICTYON aff. MAMMILLA-
TUM** (Schmidt, 1858); Webby, 1969.

Clathrodictyon aff. *mammillatum* (Schmidt,
1858); Webby, 1969, p. 657, Pl. 126,
figs 3-5.

S.U.P. 26218 Mentioned

S.U.P. 26219, 28250 Mentioned and figured

S.U.P. 28255 Mentioned

Malachi's Hill (26218-19); Quondong
(28250); Licking Hole Creek (28255)

Upper part of limestone (26218-19);
Bowen Park Limestone (28250); middle
member of Cliefden Caves Limestone
(28255)

Ordovician

**CLATHRODICTYON cf. MICROUNDU-
LATUM** Nestor, 1964; Webby, 1969.

Clathrodictyon cf. *microundulatum* Nestor,
1964; Webby, 1969, p. 657, Pl. 126,
fig. 6; Pl. 127, figs 1-4.

S.U.P. 26220-21 Mentioned and figured

S.U.P. 26222 Mentioned

S.U.P. 26223 Mentioned and figured

S.U.P. 26224-25, 28257 Mentioned

S.U.P. 29133 Mentioned and figured

Licking Hole Creek (28257); from 'Island'
between Belubula River and Large Flat
(26220-25) and SSE of Malachi's Hill
(29133)

Middle and upper member of Cliefden
Caves Limestone (Licking Hole Creek

and 'Island' localities respectively); upper part of Bowan Park Limestone (29133)

Ordovician

CLIEDENELLA ETHERIDGEI Webby, 1969.

Cliefdenella etheridgei Webby, 1969, p. 655, Pl. 125, figs 1-5; Pl. 126, figs 1-2.

S.U.P. 24157 (Holotype)

S.U.P. 24154-60, 26246, 26264, 29138-39 (Paratypes)

On 'Island', between Belubula River and Large Flat (24154-59, 26246, 26264); S side of Parkes-Bogan Gate road, 1 mile N of Gunningbland (24160, 29138-39)

Upper member of Cliefden Caves Limestone ('Island' locality); limestone N of Gunningbland (24160, 29138-39)

Ordovician

CONULARIA BOWNINGENSIS Fletcher, 1946; Sherwin, 1969.

Conularia bowningensis Fletcher, 1946; Sherwin, 1969, p. 36, Pl. 2, fig. 4.

S.U.P. 10891 (Mentioned and figured)

Por. 270, Par. Boree Nyrang, Co. Ashburnham

Panuara Formation, *Monograptus nilssoni* Zone

Upper Silurian (Ludlow)

CORONARUGA DRIPSTONENSE, Strusz, 1961.

Coronaruga dripstonense Strusz, 1961, p. 348, Pl. 42, figs 9, 17.

S.U.P. 11104 Holotype

S.U.P. 11103 and 11215 Figured paratypes (figs 9 and 17 respectively)

S.U.P. 11212, 11213, 11214, 11216, 11195 and 11198 Mentioned paratypes

Holotype: Boundary between Pors 116 and 194, Par. Mumbil, Co. Wellington, N.S.W.

Paratypes: Por. 116, Par. Mumbil, Co. Wellington, N.S.W.

Middle Silurian

CRYPTOPHRAGMUS ? sp. Webby, 1969.

Cryptophragmus? sp. Webby, 1969, p. 651, Pl. 122, figs 1, 2.

S.U.P. 28169 (mentioned and figured), 28171 (mentioned)

Large Flat, near Cliefden Caves, Orange district N.S.W.

Regan's Creek Limestone

Ordovician

'CYSTIPHYLLUM' AUSTRALE

Etheridge, 1899; Hill, 1942.

'*Cystiphyllum*' *australe* Etheridge, 1899; Hill, 1942a, p. 149.

S.U.P. 6249 Mentioned specimen

Pors 41 and 42, Par. Woolomol, Tamworth district, N.S.W.

Woolomol Limestone

Devonian

'CYSTIPHYLLUM' CONJUNCTUM Hill, 1943.

'*Cystiphyllum*' *conjunctum* Hill, 1943, p. 185, Pl. 5, figs 3a, b.

S.U.P. 7291 Holotype

Por. 30, Par. Gundy, about 5 miles SW of Wellington, N.S.W.

Garra Beds

Lower Devonian (Coblentzian)

'CYSTIPHYLLUM' MULTITRABECULATUM Hill, 1942.

'*Cystiphyllum*' *multitrabeculatum* Hill, 1942a, p. 149, Pl. 2, figs 3a-b.

S.U.P. 7214 Holotype

Por. 15, Par. Burdekin, Tamworth district, N.S.W.

In limestone that is equivalent to the Nemingha Limestone

Devonian

'CYSTIPHYLLUM' sp. Hill, 1942.

'*Cystiphyllum*' sp. Hill, 1942a, p. 188, Pl. 5, fig. 2.

S.U.P. 7294 Figured section

Por. 30, Par. Gundy, N.S.W.

Garra Beds

Lower Devonian (Coblentzian)

CYSTISTROMA DONNELLII Etheridge,
1895; Webby, 1969.

Cystistroma donnellii Etheridge, 1895;
Webby, 1969, p. 652, Pl. 122, figs 3-8;
Pl. 123, figs 1-5; Pl. 124, fig. 2.

S.U.P. 26250, 26255, 26257-63, 26267-68,
28246-47 (Mentioned and figured;
assumed topotypes; 26250, 26267-68,
28246-47)

Fossil Hill (assumed topotypes); shearers'
quarters, Boonderoo (26260-61); Lick-
ing Hole Creek (26255); W of shearing
shed, Boonderoo (26263); E of Large
Flat (26257-58); ESE of Cliefden Caves
(26259) and near Molong (26262)

Lower member of Cliefden Limestone (both
in 'lower coral' unit and 'mixed fauna'
unit) and in lower part of Reedy Creek
Limestone

Ordovician

CYSTOSTROMA CLIEDENENSE

Webby, 1969.

Cystostroma cliefdenense Webby, 1969, p.
644, Pl. 117, figs 1-5.

S.U.P. 28258 (Holotype)

S.U.P. 28259-28264 (Paratypes)

Licking Hole Creek (28258-60); eastern
side of Large Flat (28261-4)

Middle member of Cliefden Caves Lime-
stone (28258-61, 28263-4) and middle
part of Regan's Creek Limestone

Ordovician

DESMIDOPORA MULTITABULATA

Fitzgerald, 1955.

Desmidopora multitabulata Fitzgerald,
1955, p. 1057, text-fig. 1A-B.

S.U.P. 7118 Holotype

Orange district, N.S.W.

Silurian

DISPHYLLUM GEMMIFORME

Etheridge, 1902; Hill, 1940.

Disphyllum gemmiforme Etheridge, 1902;
Hill, 1940b, p. 259, Pl. 10, figs 2, 3.

S.U.P. 5278 Figured section

Por. 247, Par. Micky Mulga, Wellington
district

Lower Middle Devonian

DISPHYLLUM MESA Hill, 1942.

Disphyllum mesa Hill, 1942a, p. 185, Pl.
5, fig. 4 (*cum syn.*).

S.U.P. 5276 Holotype

Por. 30, Par. Gundy, near Wellington,
N.S.W.

Garra Beds

Lower Devonian (Coblentian)

DISPHYLLUM cf. GREGORII Etheridge,
1899; Hill, 1942.

Disphyllum cf. gregorii Etheridge, 1899;
Hill, 1942a; p. 151, Pl. 4, fig. 9.

S.U.P. 7263

Por. 248, Par. Burdekin, Tamworth dis-
trict, N.S.W.

In a limestone

Middle Devonian

DISPHYLLUM sp. cf. GREGORII
(Etheridge, 1892); Strusz, 1965.

Disphyllum sp. cf. gregorii (Etheridge,
1892); Strusz, 1965, p. 537, Pl. 73, figs
4, 5.

S.U.P. 16143 (fig. 4), 16145, 16153 (fig.
5) Mentioned and figured

Por. 123 (S.U.P. 16143 and S.U.P. 16145)
Por. 57 (S.U.P. 16153), Par. Eurimbula,
Co. Gordon, N.S.W.

Garra Formation

Devonian

DISPHYLLUM sp. ? aff. FLOYDENSE
(Belanski, 1928); Strusz, 1961.

Disphyllum sp. ? aff. floydense (Belanski,
1928); Strusz, 1961, p. 339, Pl. 42, fig.
6 and text-fig. 2.

S.U.P. 11185, 11186 (fig. 6 and text-fig.
2.) Mentioned and figured

Por. 5, Par. Mumbil, Co. Wellington,
N.S.W.

Upper Silurian

?DOHMOPHYLLUM sp. Hill, 1942.

?*Dohmophyllum* sp. Hill, 1942a, p. 164,
Pl. 3, fig. 1.

S.U.P. 7262 Figured specimen

Pors 88 and 115, Par. Burdekin, Tamworth
district, N.S.W.

Sulcor Limestone

Lower Middle Devonian

ECCLIMADICTYON AMZASSENSIS
(Khalfina, 1960); Webby, 1969.

Ecclimadictyon amzassensis (Khalfina,
1960); Webby, 1969, p. 659, Pl. 127,
figs 5-7; Pl. 128, figs 1-5.

S.U.P. 26205-26213 (Mentioned and fig-
ured: 26205-7, 26209, 26211).

At 'Island' between Belubula River and
Large Flats

Upper member of Cliefden Caves Limestone
Ordovician

ECCLIMADICTYON NESTORI Webby,
1969.

Ecclimadictyon nestori Webby, 1969, p.
660, Pl. 128, fig. 1; Pl. 129, figs 1-6.

S.U.P. 26203 (Holotype)

S.U.P. 26199-26202, 26204, 26209,
28256 (Paratypes)

'Island' between Belubula River and Large
Flat (Holotype and 26199-26202, 26204,
26209) and Licking Hole Creek (28256)

Upper member of Cliefden Caves Lime-
stone ('Island' locality) and middle
member (at Licking Hole Creek)

Ordovician

ENDOPHYLLUM cf. ABDITUM Milne-
Edwards & Haime, 1853; Hill, 1942.

Endophyllum cf. *abditum* Milne-Edwards
& Haime, 1853; Hill, 1942a, p. 155, Pl.
2, figs 8a-b.

S.U.P. 6196 Figured specimen

Por. 23, Par. Loomberah, Tamworth dis-
trict, N.S.W.

Loomberah Limestone

Devonian

ENTELOPHYLLUM ARBORESCENS
Hill, 1940.

Entelophyllum arborescens Hill, 1940b, p.
188, Pl. 3, fig. 5.

S.U.P. 6190 Holotype

Nora Creek, Par. The Gap, near Molong,
N.S.W.

Garra Beds

Lower Devonian?

ENTELOPHYLLUM LATUM Hill, 1940;
Strusz, 1961.

Entelophyllum latum Hill, 1940; Strusz,
1961, p. 338, Pl. 42, figs 3-5.

S.U.P. 10212 Mentioned, figured

Por. 5, Mumbil, Co. Wellington, N.S.W.

Middle Silurian

ERIDOPHYLLUM BARTRUMI Allan,
1935; Hill, 1940; 1942.

Eridophyllum bartrumi Allan, 1935; Hill,
1940; 1942a, p. 158, Pl. 3, figs 8a-b.

See also *Tipheophyllum bartrumi*.

S.U.P. 5278, 7265 (fig. 8a), 7267 (fig. 8b)
Figured specimens

Por. 247, Par. Mickety Mulga, Wellington
district (S.U.P. 5278)

Sulcor Quarry, Pors 88, 115, Par. Burde-
kin (S.U.P. 7265, 7267)

Sulcor Limestone

Lower Middle Devonian

**FALSICANTENIPORA CHILLAGOEN-
SIS** (Etheridge, 1904); Strusz, 1961.

Falsicantenipora chillagoensis (Etheridge,
1904); Strusz, 1961, p. 356 (*cum*
syn.), Pl. 44, fig. 13.

S.U.P. 6923 Mentioned and figured

Par. Mumbil, Co. Wellington, N.S.W.

Upper Ordovician or Lower Silurian

FAVISTELLA cf. RHENANA Frech,
1886; Hill, 1942.

Favistella cf. *rhenana* Frech, 1886; Hill,
1942a, p. 158, Pl. 4, fig. 13.

S.U.P. 7258 Figured section

Por. 264, Par. Burdekin, near Attunga, N.S.W.

Moore Creek Limestone?

Devonian

FAVOSITES ALLANI Jones, 1937; Hill, 1940.

Favosites allani Jones, 1937; Hill, 1940b, p. 189, Pl. 5, figs 1a-b.

S.U.P. 5181 Mentioned, figured

Por. 50. Par. Curra, near Wellington, N.S.W.

Garra Beds

Lower and Middle Devonian

FAVOSITES ALLANI Jones, 1937; Strusz, 1961.

Favosites allani Jones, 1937; Strusz, 1961, p. 350 (*cum syn.*), Pl. 43, figs 8-10, text-fig. 5.

S.U.P. 10190 (Pl. 43, figs 9-10, text-fig. 5), 10209 (Pl. 43, fig. 8) Mentioned
"Mumbil" Homestead, Par. Mumbil, Co. Wellington, N.S.W.

Middle Silurian

FAVOSITES BASALTICUS var. **MOONBIENSIS** Etheridge, 1899; Jones, 1943.

Favosites basalticus var. *moonbiensis* Etheridge, 1899; Jones, 1943, p. 34.

S.U.P. 6250.

Por. 82, Par. Micky Mulga, N.S.W.
Nemingha and Moore Creek Limestones

Middle Devonian

FAVOSITES BRYANI Jones, 1937; 1943.

Favosites bryani Jones, 1937; 1943, p. 34, Pl. 1, figs 1-2.

S.U.P. 6253, 6254 (Pl. 1) Mentioned, figured

Por. 206 (S.U.P. 6254), Par. Micky Mulga; Por. 50 (S.U.P. 6253), Par. Curra, Wellington district, N.S.W.

Lower Devonian to Lower Middle Devonian

FAVOSITES GOLDFUSSI d'Orbigny, 1850; Jones, 1943.

Favosites goldfussi d'Orbigny, 1850; Jones, 1943, p. 34.

S.U.P. 5246, 6252 Mentioned

Por. 82, Par. Micky Mulga, Wellington district, N.S.W. (S.U.P. 6252); ?Willow-tree Creek, Attunga, N.S.W. (S.U.P. 5246)

Garra Formation (S.U.P. 6252) and Nemingha Limestone and Moore Creek Limestone (S.U.P. 5246)

Lower and Middle Devonian

FAVOSITES GOTHLANDICUS Lamarck, 1816; Strusz, 1961.

Favosites gothlandicus Lamarck, 1816; Strusz, 1961, p. 351 (*cum syn.*), Pl. 44, figs 1, 2.

S.U.P. 10160, 10221, 10251 Mentioned

S.U.P. 11196 Mentioned and figured.

Par. Mumbil, Co. Wellington, N.S.W.

Lower Devonian (S.U.P. 10160)

Middle Silurian (S.U.P. 10221 and 11196)

Upper Ordovician or Lower Silurian (S.U.P. 10251)

FAVOSITES GOTHLANDICUS forma **FORBESI** Milne-Edwards & Haime, 1851; Hill, 1940.

Favosites gothlandicus forma *forbesi* Milne-Edwards & Haime, 1851; Hill, 1940b, p. 193, Pl. 5, figs 4a-b.

S.U.P. 708, 714, 715 Mentioned, figured
Cudal, near Molong, N.S.W. (S.U.P. 708);
Crystal Springs, W of Molong, N.S.W. (S.U.P. 714, 715)

Garra Beds

Lower and Middle Devonian

FAVOSITES NITIDUS var. **MEDIUS** Hill, 1940.

Favosites nitidus var. *medius* Hill, 1940b, p. 198, Pl. 6, fig. 4.

S.U.P. 5178 Holotype

Por. 51, Par. Eurimbula, near Molong, N.S.W.

Garra Beds

Lower and Middle Devonian

FAVOSITES OVATIPORUS Hill, 1940.

Favosites ovatiporus Hill, 1940b, p. 199,
Pl. 7, figs 3, 4.

S.U.P. 5177 Holotype

Por. 184, Par. Cudal, near Molong, N.S.W.

S.U.P. 706, 707 Figured specimens

Por. 184, Par. Cudal, near Molong, N.S.W.

Garra Beds

Lower and Middle Devonian

FAVOSITES RICHARDSI Jones, 1937;
1943.

Favosites richardsi Jones, 1937; 1943, p.
35, Pl. 1, figs 5-6.

S.U.P. 7278 Mentioned, figured

0.25 miles NE of Apsley, Wellington dis-
trict, N.S.W.

Upper Silurian

FAVOSITES sp. Jones, 1943

Favosites sp. Jones, 1943, p. 35, Pl. 1, figs
3-4.

S.U.P. 5290 Mentioned, figured

Por. 119, Par. Veech, Wellington, N.S.W.

FAVOSITES sp. Strusz, 1961.

Favosites sp. Strusz, 1961, p. 352, Pl. 43,
fig. 11.

S.U.P. 10294 Mentioned, figured

Por. 123, Par. Mumbil, Co. Wellington,
N.S.W.

Lower Devonian

?GRYPOPHYLLUM AGGREGATUM
Hill, 1940; 1942.

?Grypophyllum aggregatum Hill, 1940;
1942b, p. 189, Pl. 6, fig. 4.

S.U.P. 5293 Figured specimen

Por. 247, Par. Mickety Mulga, Wellington
district, N.S.W.

Lower Middle Devonian (Couvinian)

**HADROPHYLLUM WELLINGTON-
ENSE** Packham, 1953.

Hadrophyllum wellingtonense Packham,
1953, p. 121, text-figs A-C.

S.U.P. 7100 Holotype (figs A and B)

S.U.P. 7101 Paratype (fig. C)

S.U.P. 7102 Paratype

S.U.P. 7103 Paratype

S.U.P. 7104 Paratype

Por. 50, Par. Curra, Wellington district,
N.S.W.

Garra Beds (Garra Formation)

Lower and Middle Devonian

HALYSITES LITHOSTROTIONOIDES
Etheridge, 1904; Strusz, 1961.

Halysites lithostrotionoides Etheridge,
1904; Strusz, 1961, p. 354 (*cum. syn.*),
Pl. 44, figs 8, 9.

S.U.P. 10227 Mentioned, figured

Por. 5, Mumbil, Co. Wellington, N.S.W.

Upper Ordovician or Lower Silurian

HALYSITES PRAECEDENS Webby &
Semeniuk, 1969.

Halysites praecedens Webby & Semeniuk,
1969, p. 349, figs 2-6.

S.U.P. 29111 Holotype

S.U.P. 29104-5, 29107-10, 29112,
29186-7 Paratypes

1 mile SW of Malachi's Hill (29104-5,
29107-12); on the bank of the Belubula
River, E of Cranky Rock (29186-7)

Upper part of Bowan Park Limestone
(Malachi's Hill locality) and upper part
of Canomodine Limestone (Cranky Rock
locality)

Ordovician

HALYSITES sp. Strusz, 1961.

Halysites sp. Strusz, 1961, p. 355, Pl. 44,
fig. 11.

S.U.P. 11115 Mentioned, figured

Boundary between Pors 5 and 93, Par.
Mumbil, Co. Wellington, N.S.W.

Upper Ordovician or Lower Silurian

HELIOLITES DAINTREEI Nicholson &
Etheridge, 1879; Jones, 1943.

Heliolites daintreei Nicholson & Etheridge,
& Etheridge, 1879; Jones, 1943, p. 37,
Pl. 1, figs 9-10.

S.U.P. 7272 Mentioned and figured
0.25 miles N.E. of Apsley, Wellington
district, N.S.W.

Upper Silurian—Middle Devonian

HELIOLITES DAINTREEI Nicholson &
Etheridge, 1879; Strusz, 1961.

Heliolites daintreei Nicholson & Etheridge,
1879; Strusz, 1961, p. 349 (*cum syn.*),
Pl. 43, figs 1, 2, 5, 6.

S.U.P. 10165 (Pl. 43, figs 1, 2); 10168,
10187, 10196, 10203, 10211 (Pl. 43,
figs 5, 6) and 11124. Mentioned and
figured

Por. 92 (S.U.P. 10165). Boundary between
Pors 6 and 138 (S.U.P. 10187), Por.
93 (S.U.P. 10168, 10196, 10203,
10211, 11124), all in Par. Mumbil, Co.
Wellington, N.S.W.

Middle Silurian (S.U.P. 10165), **Lower
Devonian** (S.U.P. 10187), and **Lower or
Middle Silurian** (S.U.P. 10168, 10196,
10203, 10211, 11124)

HELIOLITES DIGITALIS Hill, 1957.

Heliolites digitalis Hill, 1957, p. 105, Pl. 4,
fig. 18.

S.U.P. 9397 Holotype

Por. 289, Par. Bowan, Co. Ashburnham,
Cargo district, N.S.W.

Bowan Park Limestone

Middle or Upper Ordovician

HEXAGONARIA APPROXIMANS
CRIBELLUM Strusz, 1965.

Hexagonaria approximans cribellum
Strusz, 1965, p. 544, Pl. 74, figs 2a-b;
Pl. 75, figs 1a-b, and text-figs 8, 9.

S.U.P. 13259 Holotype (Pl. 74, fig. 2)

S.U.P. 13260 Topotype (Pl. 75, fig. 1 and
text-fig. 9)

Por. 80. Par. Curra, Co. Gordon, N.S.W.
Garra Formation

Devonian

LABECHIA REGULARIS Yabe & Sugi-
yama, 1930; Webby, 1969.

Labechia regularis Yabe & Sugiyama,
1930; Webby, 1969, p. 649, Pl. 120, fig.
1; Pl. 121, figs 3-6; Pl. 124, figs 1-2.

S.U.P. 26231, 26236-40, 26242-45,
26248, 26252, 26255 (mentioned and
also figured in case of: 26236, 26240,
26242, 26248, 26252)

Licking Hole Creek (26236, 26238-39,
26242, 26248, 26252, 26255), W of
shearing shed, Boonderoo (26231,
26240, 26243-44) and E of Large Flat
(26237, 26245)

Lower member of Cliefden Caves Lime-
stone in both the 'lower coral' unit and
the 'mixed fauna' unit

Ordovician

LABECHIA VARIABILIS Yabe & Sugi-
yama, 1930; Webby, 1969.

Labechia variabilis Yabe & Sugiyama,
1930; Webby, 1969, p. 650, Pl. 121,
figs 1, 2.

S.U.P. 28163-4 Mentioned

S.U.P. 28248, 28251 Mentioned and
figured

On banks of Belubula River, W of Large
Flat (28163-64, 28248) and Licking
Hole Creek (28251)

Regan's Creek Limestone (28163-64,
28248) and middle member of Cliefden
Caves Limestone (28251)

Ordovician

LISCOMBEA INSOLENS Phillips Ross,
1961.

Liscombea insolens Phillips Ross, 1961b,
p. 1018, Pl. 122, figs. 1-10.

S.U.P. 12408 Holotype (Pl. 122, figs 2, 3,
5, 6, 7, 8)

S.U.P. 12409 Paratype (Pl. 122, figs 1, 4,
9, 10)

Road, cutting Liscombe Pools Creek, 1 mile
SW of Malongulli Trig. Station, Parish
Malongulli, N.S.W., Longitude 148° 40';
Latitude 33° 40'

Calcutite

Silurian

LOOMBERAPHYLLUM PUSTULOSUM

Pedder, 1965.

Loomberaphyllum pustulosum Pedder, 1965, p. 214 (*cum syn.*)

S.U.P. 7247, 7285 Mentioned specimens

Near Sulcor Quarry, Pors 88 and 115,

Par. Burdekin, Attunga district, N.S.W.
Sulcor Limestone**Middle Devonian****LYRIELASMA AGGREGATUM** (Hill, 1940); Strusz, 1966.*Lyrielasma aggregatum* (Hill, 1940);

Strusz, 1966, p. 571, Pl. 89, figs 6a, b.

S.U.P. 5280 Mentioned (p. 571)

S.U.P. 14257 Figured (Pl. 89, figs 6a, b)

S.U.P. 19147 Mentioned (p. 570)

Pors 60, 247 (boundary), Par. Micky Mulga, Co. Gordon (for S.U.P. 5280)

Por. 46 (north), Par. Catombal, Co. Gordon (for S.U.P. 14257)

Measured section, Por. 53, Par. Eurimbula, Co. Gordon (for S.U.P. 19147)

Garra Formation

Devonian**LYRIELASMA FLORIFORME** Hill 1942.*Lyrielasma floriforme* Hill, 1942a, p. 146, Pl. 2, fig. 2.

S.U.P. 7252 Holotype (Pl. 2, fig. 2)

S.U.P. 8151 Mentioned specimen

Por. 277 (S.U.P. 7252) and Por. 256 (S.U.P. 8151), both in Par. Burdekin; Tamworth district, N.S.W.

Nemingha Limestone? (in a limestone that is probably equivalent to this)

Devonian**LYRIELASMA? MICRUM** Strusz, 1966.*Lyrielasma? micrum* Strusz, 1966, pp. 567-568, Pl. 89, figs 1, 2, text-fig. 8.

S.U.P. 18200 Holotype (Pl. 89, figs 1a, b)

S.U.P. 18195 Topotype, mentioned (pp. 567, 568), figured (Pl. 89, figs 2a, b)

S.U.P. 16299 Mentioned (p. 568)

Por. 103 (W side), Par. Ponto, Co. Gordon (for S.U.P. 18200, 18195)

Por. 58 (NE corner), Walker's Creek, west of road-bridge, Par. Gregra, Co. Ashburnham, N.S.W. (for S.U.P. 16299)

Garra Formation

Devonian**LYRIELASMA sp. cf. SUBCAESPITOSUM** (Chapman, 1925); Strusz, 1966.*Lyrielasma sp. cf. subcaespitosum* (Chapman, 1925); Strusz, 1966, p. 569, Pl. 87, fig. 5.

S.U.P. 12245 Mentioned

S.U.P. 19238 Mentioned, figured (p. 569; Pl. 87, fig. 5)

S.U.P. 19241 Mentioned

Por. 171 (E), Par. Curra, Co. Gordon (for S.U.P. 12245)

Por. 53, Par. Eurimbula (measured section, gully in a southern tributary of Spring Creek) 18 in. bed of grey calcarenite (S.U.P. 19238, 1924)

Garra Formation

Devonian**MANSUYPHYLLUM BELLENSE** Strusz, 1965.*Mansuyphyllum bellense* Strusz, 1965, p. 526, Pl. 72, figs 1-3 and text-fig. 7e.

S.U.P. 11295 Holotype (Pl. 72, fig. 1)

S.U.P. 20099 Paratype (Pl. 72, fig. 3)

S.U.P. 12109, 12110 (Pl. 72, fig. 2) Topotypes

Por. 81, Par. Bell, Co. Ashburnham, Wellington district, N.S.W.

Garra Formation

Devonian**MANSUYPHYLLUM CATOMBALENSE** Strusz, 1965.*Mansuyphyllum catombalense* Strusz 1965, p. 529, Pl. 73, figs 2a-c, text-figs 4, 7d.

S.U.P. 14155 Holotype (Pl. 73, fig. 2, text-fig. 7d)

S.U.P. 14156 Paratype

Por. 45, Par. Catombal, Co. Gordon, Wellington district, N.S.W.

Garra Formation

Devonian

MANSUYPHYLLUM CATOMBALENSE

subsp. nov? Strusz, 1965.

Mansuyphyllum catombalense subsp. nov?
Strusz, 1965, p. 531, Pl. 72, figs 8a, b,
text-fig. 7F.

S.U.P. 13268 Mentioned, figured

Por. 80, Par. Curra, Co. Gordon, Wellington district, N.S.W.

Garra Formation

Devonian

MANSUYPHYLLUM PARVULUM

Strusz, 1965.

Mansuyphyllum parvulum Strusz, 1965,
p. 527, Pl. 72, figs 4-6; Pl. 73, fig. 1,
text-figs 3, 7a, b.

S.U.P. 14224 Holotype (Pl. 72, fig. 6; Pl.
73, fig. 1, text-figs 3, 7b)

S.U.P. 14223 Topotype (Pl. 72, fig. 4 and
text-fig. 7a)

S.U.P. 12296, 18152, 18151 (Pl. 72, fig. 5)
figured

Por. 125, Par. Catombal (Holotype); Por.
173, Par. Curra (others); all from Co.
Gordon, Wellington district, N.S.W.

Garra Formation

Devonian

MANSUYPHYLLUM sp. A Strusz, 1965.

Mansuyphyllum sp. A Strusz, 1965, p. 531,
Pl. 72, figs 9a, b; text-fig. 7C.

S.U.P. 12250, 20101 (Pl. 72, fig. 9 and
text-fig. 7c) Mentioned and figured Por.
171, Par. Curra, Co. Gordon (S.U.P.
12250) and Por. 81, Par. Bell, Co. Ash-
burnham (S.U.P. 20101); both from
Wellington district, N.S.W.

Garra Formation

Devonian

MANSUYPHYLLUM sp. B Strusz, 1965.

Mansuyphyllum sp. B Strusz, 1965, p. 532,
Pl. 73, fig. 3.

S.U.P. 17117, 20102 (Pl. 73, fig. 3) Men-
tioned, figured

Por. 132, Par. Gundy, Co. Gordon, N.S.W.
(S.U.P. 17117)

Par. Curra, Co. Gordon, N.S.W. (S.U.P.
20102)

Garra Formation

Devonian

MANSUYPHYLLUM sp. C Strusz, 1965.

Mansuyphyllum sp. C Strusz, 1965, p. 533,
Pl. 73, fig. 6.

S.U.P. 17117 (Pl. 73, fig. 6), 17118
Mentioned, figured

Por. 132, Par. Gundy, Co. Gordon, N.S.W.
Garra Formation

Devonian

MAZAPHYLLUM CORTISJONESI

Crook, 1955.

Mazaphyllum cortisjonesi Crook, 1955,
p. 1053, text-figs 2-3.

S.U.P. 6136 Holotype (Fig. 2 and also Figs
3A, B and D)

S.U.P. 6139 Paratype (Fig. 3C)

Por. 60, Par. Turon, Co. Roxburgh,
Bathurst district, N.S.W.

In limestone lens in a shale sequence

Silurian

MELASMAPHYLLUM MULLAMUDDIENSIS Wright, 1966.

Melasmaphyllum mullamuddiensis Wright,
1966, p. 269, Pl. 26, fig. 2, text-figs 4-10.

S.U.P. 21103 (a, b, c, d, e) Holotype

Por. 152 (grid. ref. 26879585), Par. Broon-
bee, Co. Wellington, N.S.W.

Sutchers Creek Formation

Devonian

MELROSIA ROSAE Wright, 1966.

Melrosia rosae Wright, 1966, p. 266, Pl. 26,
fig. 1, text-figs 1-3.

- S.U.P. 21104 Holotype (Pl. 26, fig. 1 and text-fig. 1)
 S.U.P. 21105, 21106 Paratypes (text-figs 2 and 3 respectively)
 S.U.P. 21107-21119 Mentioned specimens
 Por. 54, immediately N of quarry, NW of 'Melrose' homestead, Par. Bumberra, Co. Phillip
 Mount Frome Limestone
Devonian
- MESOCONULARIA WEBBYI** Sherwin, 1969.
Mesoconularia webbyi Sherwin, 1969, p. 38, Pl. 3, fig. 3.
 S.U.P. 17891 Holotype
 Por. 216, Par. Boree Nyrang, Co. Ashburnham
 Wallace Shale
Upper Silurian-Lower Devonian
- MICTOPHYLLUM cf. CRESSWELLI** Chapman, 1939; Hill, 1942.
Mictophyllum cf. cresswelli Chapman, 1939; Hill, 1942a, p. 159, Pl. 3, fig. 9.
 S.U.P. 7247 (Pl. 3, fig. 9) Mentioned and figured
 S.U.P. 7285 Mentioned
 Pors 88 and 115, Par. Burdekin, near Attunga, N.S.W.
 Sulcor Limestone
Lower Middle Devonian
- MULTISOLENIA TORTUOSA** Fritz, 1937; Strusz, 1961.
Multisolenia tortuosa Fritz, 1937; Strusz, 1961, p. 352 (*cum syn.*), Pl. 44, fig. 3.
 S.U.P. 10178, 10291 (Pl. 44, fig. 3) Mentioned, figured
 Por. 93 (S.U.P. 10178); Por. 5 (S.U.P. 10291), both in Par. Mumbil, Co. Wellington, N.S.W.
Middle Silurian (S.U.P. 10178), **Upper Ordovician or Lower Silurian** (S.U.P. 10291)
- MYCOPHYLLUM LILIIFORME** Etheridge, 1907; Hill, 1940.
Mycophyllum liliiforme Etheridge, 1907; Hill, 1940a, p. 401, Pl. 11, figs 18, 19; Pl. 12 figs 3-6.
 S.U.P. 6180 (Pl. 12, fig. 4), 6183 (Pl. 12, fig. 6a), 6184 (Pl. 11, fig. 18 and Pl. 12, fig. 6b) Mentioned, figured
 Hatton's Corner, Yass River, W of Yass, N.S.W. (S.U.P. 6180); Darrengullen Creek, Yass (S.U.P. 6183, 6184)
 Bowspring Limestone, Hume Group
Silurian
- NIPPONOPHYLLUM MULTISEPTATUM** Strusz, 1961.
Nipponophyllum multiseptatum Strusz, 1961, p. 346, Pl. 44, fig. 12; Pl. 45, fig. 9.
 S.U.P. 11099 Holotype (Pl. 44, fig. 12 and Pl. 45, fig. 9)
 S.U.P. 10299 Paratype
 Por. 141, Par. Narragal, Co. Gordon, N.S.W.
Middle Silurian
- NIPPONOPHYLLUM sp. aff. GIGANTEUM** Sugiyama, 1940; Strusz, 1961.
Nipponophyllum sp. aff. giganteum Sugiyama, 1940; Strusz, 1961, p. 347, Pl. 43, figs 3, 4; Pl. 45, fig. 12.
 S.U.P. 10289 Mentioned, figured
 Por. 5, Par. Mumbil, Co. Wellington, N.S.W.
Upper Ordovician or Lower Silurian
- NICTOPORA ?STEVENSII** Hill, 1957.
Nictopora ?stevensii Hill, 1957, p. 100, Pl. 2, figs 7a-b.
 S.U.P. 9288, 9289 (Pl. 2, fig. 7) Mentioned and figured
 Fossil Hill, near Cliefden Caves, Mandurama, N.S.W.
 Cliefden Caves Limestone
Middle Ordovician

PALAEOPHYLLUM RUGOSUM

Billings, 1858; Strusz, 1961.

Palaeophyllum rugosum Billings, 1858;
Strusz, 1961, p. 341, Pl. 42.

S.U.P. 10240 (Pl. 42, figs 7, 8, 15); 10244,
10245 (text fig. 3) Mentioned and
figured

S.U.P. 10246, 10248-50 Mentioned

Por. 5, Par. Mumbil, Co. Wellington,
N.S.W.

Upper Ordovician or Lower Silurian

PALAEOPHYLLUM sp. Strusz, 1961.

Palaeophyllum sp. Strusz, 1961, p. 343.

S.U.P. 10199 Mentioned

Por. 5, N of Mumbil-Neurea Road,
N.S.W.

Lower or Middle Silurian

PARACONULARIA PACKHAMI Sherwin, 1969.

Paraconularia packhami Sherwin, 1969, p.
39, Pl. 2, fig. 3 and text-fig. 1.

S.U.P. 10892 Holotype

Por. 270, Par. Boree Nyrang, Co. Ashburnham

Panuara Formation, *Monograptus nilssoni*
Zone

Upper Silurian (Ludlow)

PARADISPHYLLUM HARUNDINETUM
Strusz, 1965.

Paradisphyllum harundinetum Strusz, 1965,
p. 538, Pl. 74, figs 1, 3, text-figs 6,
7g-h.

S.U.P. 13236 Holotype (Pl. 74, fig. 1, text-
figs 6, 7h)

S.U.P. 20100 Paratype (Pl. 74, fig. 3,
text-figs 6, 7g)

Por. 80, Par. Curra, Co. Gordon, N.S.W.
Garra Formation

Devonian

PENECKIELLA BOREENSIS Strusz,
1965.

Peneckiella boreensis Strusz, 1965, p. 562,
Pl. 78, figs 2a-c; text-fig. 21.

S.U.P. 12118 Holotype

Por. 22, Par. Boree Nyrang; Co. Ashburnham, N.S.W.

Garra Formation

Devonian

PENECKIELLA MESA (Hill, 1942);
Strusz, 1965.

Peneckiella mesa (Hill, 1942); Strusz,
1965, p. 556 (*cum syn.*), Pl. 75, fig. 4;
Pl. 77, figs 1, 3; Pl. 78, fig. 1, text-figs
16-21.

S.U.P. 5276 Holotype (Pl. 77, figs 1, 3;
text-figs 17-21)

S.U.P. 17125 (text-fig. 16b), 17126, 20103
(Pl. 75, fig. 4, and Pl. 78, fig. 1) Topo-
types (also appears in text-figs 17-21)

S.U.P. 13145 Homeotype

Por. 30, Par. Gundy, Co. Gordon, N.S.W.
Garra Formation

Devonian

PENECKIELLA sp. cf. MINOR KUNTHI
(Dames, 1868); *sensu* Rozkowska, 1960;
Strusz, 1965.

Peneckiella sp. cf. *minor kunthi* (Dames,
1868), *sensu* Rozkowska, 1960; Strusz,
1965, p. 563, Pl. 78, figs 3a-c.

S.U.P. 11273 Mentioned, figured

Por. 70, Par. Boree Cabonne, Co. Ashburnham, N.S.W.

Garra Formation

Devonian

PHAULACTIS SHEARBYI Süssmilch
(ex Etheridge MS, 1914); Strusz, 1961.

Phaulactis shearsbyi Süssmilch (ex
Etheridge MS, 1914); Strusz, 1961, p.
337, Pl. 42, figs. 1, 2.

S.U.P. 10179 (Pl. 42, fig. 1), 10204 (Pl.
42, fig. 2) Mentioned and figured

S.U.P. 10185, 10215, 10220, 10281, 11203,
11204 Mentioned

Por. 93 (S.U.P. 10179, 10185); Por. 5.
(S.U.P. 10204, 10215, 10220, 10281,
11203, 11204), all in Par. Mumbil, Co.
Wellington, N.S.W.

Middle Silurian

- PHILLIPSASTREA APERTA** Hill, 1942.
Phillipsastrea aperta Hill, 1942a, p. 154, Pl. 2, figs 7a-b.
 S.U.P. 7289 Holotype Mentioned
 S.U.P. 6199 Paratype Figured (Pl. 2, figs 7a-b)
 Por. 50, Par. Curra (Holotype); Por. 23, Par. Loomberah (Paratype), Tamworth district, N.S.W.
 Loomberah Limestone
Devonian
- PHILLIPSASTREA CALLOSA** Hill, 1942.
Phillipsastrea callosa Hill, 1942a, p. 154, Pl. 2, figs 6a-b.
 S.U.P. 6194 Holotype
 Por. 23, Par. Loomberah, Tamworth district, N.S.W.
 Loomberah Limestone
Devonian
- PHILLIPSASTREA CARINATA** Hill, 1942.
Phillipsastrea carinata Hill 1942a, p. 154, Pl. 3, fig. 7.
 S.U.P. 7249 Figured specimen
 Pors 88 and 115, Par. Burdekin, E of Sulcor Quarry, near Attunga, N.S.W.
 Sulcor Limestone
Lower Middle Devonian
- PHILLIPSASTREA LINEARIS** Hill, 1942.
Phillipsastrea linearis Hill, 1942a, p. 153, Pl. 3, figs 6a-b.
 S.U.P. 7266 Holotype
 Pors 88 and 115, Par. Burdekin, Sulcor Quarry, near Attunga, N.S.W.
 Sulcor Limestone
Lower Middle Devonian
- PHILLIPSASTREA MACULOSA**, Hill, 1942.
Phillipsastrea maculosa Hill, 1942a, p. 153, Pl. 3, figs 5a-b.
 S.U.P. 7268 Holotype (figured transverse section, fig. 5a)
 S.U.P. 7269 Figured (vertical section, fig. 5b)
 Pors 88 and 115, Sulcor Quarry, Par. Burdekin, near Attunga, N.S.W.
 Sulcor Limestone
Lower Middle Devonian
- PHILLIPSASTREA OCULOIDES** Hill, 1942.
Phillipsastrea oculoides Hill, 1942b, p. 186, Pl. 6, fig. 9.
 S.U.P. 5281b Holotype
 Por. 247, Par. Mickety Mulga, about 6 miles NW of Wellington, N.S.W.
Lower Middle Devonian? (Early Couvinian?)
- PHILLIPSASTREA OCULOIDES** Hill, 1942; Strusz, 1965.
Phillipsastrea oculoides Hill, 1942; Strusz, 1965, p. 565, Pl. 73, fig. 7, text-fig. 22.
 S.U.P. 5281 Mentioned, figured
 Boundary between Pors 60 and 247, Par. Mickety Mulga, Co. Gordon, N.S.W.
 Garra Formation
Devonian
- PHILLIPSASTREA SPECIOSA** Chapman, 1939; Hill, 1942.
Phillipsastrea speciosa Chapman, 1939; Hill, 1942b, p. 186, Pl. 6, fig. 8.
 S.U.P. 7298 Mentioned, figured (Pl. 6, fig. 8)
 Wellington-Dubbo Road, near Geurie, 12 miles from Wellington, N.S.W.
Lower Middle Devonian ? (Couvinian?)
- PHILLIPSASTREA sp.** Hill, 1942.
Phillipsastrea sp. Hill, 1942b, p. 186.
 S.U.P. 7276 Mentioned specimen
 Por. 50, Par. Curra, Wellington district, N.S.W.
 Loyola Limestone
Lower Devonian ?

PLEURODICTYUM BIFIDUM Jones, 1943.

Plurodictyum bifidum Jones, 1943, p. 37, Pl. 1, figs 7-8.

S.U.P. 6251 Holotype (Pl. 1, figs 7-8)

S.U.P. 5287 Mentioned

Por. 82 (S.U.P. 6251) and Por. 206 (S.U.P. 5287) in Par. Mickety Mulga, Wellington district, N.S.W.

Middle Devonian

PRISMATAPHYLLUM BROWNAE Hill, 1942.

Prismataphyllum brownae Hill, 1942a, p. 152, Pl. 3, figs 4a-b.

S.U.P. 8152 Holotype

S.U.P. 7246 (Pl. 3, fig. 4), 7236 Mentioned
Pors 88 and 115, near Sulcor Quarry, Par. Burdekin, NE of Attunga, N.S.W. (S.U.P. 8152, and 7246)

Por. 193, Par. Burdekin, N.S.W. (S.U.P. 7236)

Sulcor Limestone

Lower Middle Devonian? (Couvinian?)

PROPORA BOWANENSIS Hill, 1957.

Propora bowanensis Hill, 1957, p. 103, Pl. 3, fig. 15.

S.U.P. 9350 Holotype

Por. 289, Par. Bowan, Co. Ashburnham; N of Cargo, N.S.W.

Bowan Park Limestone

Middle or Upper Ordovician

PROPORA CONFERTA Milne-Edwards & Haime, 1849; Strusz, 1961.

Propora conferta Milne-Edwards & Haime, 1849; Strusz, 1961, p. 350 (*cum syn.*), Pl. 43, fig. 7.

S.U.P. 10215, 10235, 11125, 11174 (Pl. 43, fig. 7), 11180, 11189, 11210 Mentioned, figured (only S.U.P. 11174)

Par. Mumbil, Co. Wellington, N.S.W.

Upper Ordovician or Lower Silurian

PROPORA MAMMIFERA Hill, 1957.

Propora mammifera Hill, 1957, p. 102, Pl. 3, fig. 9a-b.

S.U.P. 9227 Holotype

Fossil Hill, Cliefden Caves, near Mandurama, N.S.W.

Cliefden Caves Limestone

Middle Ordovician

PROPORA? MAMMIFERA Hill, 1957.

Propora ? mammifera Hill, 1957, pp. 102-103, Pl. 3, figs 11, 12a-b.

S.U.P. 9125 (Pl. 3, fig. 11), 9353 (Pl. 3, fig. 12) Mentioned, figured

E side of the Large Flat, near Cliefden Caves, Mandurama, N.S.W. (S.U.P. 9125); at Trilobite Hill, Belubula River, Mandurama, N.S.W. (S.U.P. 9353)

Cliefden Caves Limestone

Middle Ordovician

PROPORA sp. Jones, 1943.

Propora sp. Jones, 1943, p. 38, Pl. 1, fig. 11.

S.U.P. 7279 Mentioned, figured

Por. 241, Par. Mickety Mulga, Wellington, N.S.W.

PSEUDAMPLEXUS PRINCEPS Etheridge, 1899; Hill, 1942.

Pseudamplexus princeps Etheridge, 1899; Hill, 1942, p. 159.

S.U.P. 7247 Mentioned

Por. 115, Par. Burdekin, near Attunga, N.S.W.

Sulcor Limestone

Lower Devonian or Lower Middle Devonian

PSEUDOCHONOPHYLLUM PSEUDO-HELIANTHOIDES (Sherzer, 1892); Strusz, 1966.

Pseudochonophyllum pseudohelianthoides (Sherzer, 1892); Strusz, 1966, pp. 564, 565, Pl. 87, figs 6-8; Pl. 88, figs 1-3.

S.U.P. 13180 Mentioned (p. 565)

S.U.P. 13241 Figured (Pl. 87, fig. 7)

S.U.P. 13246 Mentioned (p. 565)

S.U.P. 13248. Mentioned, figured (p. 565, Pl. 88, figs 1, 3)

S.U.P. 13249 Figured (Pl. 88, fig. 2)

S.U.P. 13252 Mentioned (p. 565)

S.U.P. 14104 Mentioned (p. 565)

Por. 39, Par. Curra, Co. Gordon (for S.U.P. 13180)

Por. 80, Par. Curra, Co. Gordon (for S.U.P. 13241, 13246, 13248, 13249 and 13252)

Por. 111, Par. Curra, Co. Gordon (for S.U.P. 14104)

Garra Formation

Devonian

PSEUDOSTYLODICTYON aff. **POSHANENSE** Ozaki, 1938; Webby, 1969

Pseudostylodictyon aff. *poshanense* Ozaki, 1938; Webby, 1969, p. 645, Pl. 117, fig. 6; Pl. 118, figs 1-3.

S.U.P. 26226, 26232-3 Mentioned

S.U.P. 26234-5 Mentioned and figured W of shearing shed, Boonderoo, N.S.W.

Lower member of Cliefden Caves Limestone

Ordovician

PSEUDOSTYLODICTYON **INEQUALE** Webby, 1969.

Pseudostylodictyon inequale Webby, 1969, p. 646, Pl. 119, figs 1-3.

S.U.P. 28252 Holotype

S.U.P. 28253-54, 29134, 29141 Paratypes Licking Hole Creek (28252-54); Malachi's Hill (29134); Quondong (29141)

Middle member of Cliefden Caves Limestone (28252-54); above middle thinly bedded unit of Bowan Park Limestone (29141); from upper part of limestone (29134)

Ordovician

QUEPORA BELLENSIS, Strusz, 1961.

Quepora bellensis Strusz, 1961, p. 356, Pl. 45, figs 1-3.

S.U.P. 11209 Holotype

Por. 5, Par. Mumbil, Co. Wellington, N.S.W.

Upper Ordovician or Lower Silurian

QUEPORA CALAMUS Webby & Semeniuk, 1969.

Quepora calamus Webby & Semeniuk, 1969, p. 346, fig. 1A-B.

S.U.P. 25286 Holotype

S.U.P. 28217, 29113 Paratypes

Cargo Creek, N.S.W.

Por. 110, Par. Cargo, SE side Canomodine Creek, N.S.W.

Cargo Creek Limestone

Ordovician

QUEPORA sp. Webby & Semeniuk, 1969.

Quepora sp. Webby & Semeniuk, 1969, p. 348, fig. 1C.

S.U.P. 28216 Mentioned and figured NW side of Canomodine Creek

?Upper part of Cargo Creek Limestone

Ordovician

RADIOPHYLLUM sp. aff. **R. ARBORESCENS** (Hill & Jones, 1940); Hill, 1942.

Radiophyllum sp. aff. *R. arborescens* (Hill & Jones, 1940); Hill, 1942b, p. 188, Pl. 5, figs 7, 8.

S.U.P. 5291 (fig. 8), 7295 (fig. 7) Figured S.U.P. 6189 Thin section (not mentioned or figured)

Por. 42, Par. Woorooboomi (S.U.P. 5291), Nora Creek, Par. The Gap, Molong district (S.U.P. 6189), Wellington Caves, Wellington district, N.S.W. (S.U.P. 7295)

Garra Formation ('Wellington Caves Limestone')

Lower and Middle Devonian

RHIZOPHYLLUM INTERPUNCTATUM de Koninck, 1876; Hill, 1940.

Rhizophyllum interpunctatum de Koninck, 1876; Hill, 1940a, p. 394, Pl. 11, figs 6, 9, 10.

S.U.P. 22150 Figured specimen
Hattons Corner, 2 miles W of Yass, N.S.W.
Barrandella Shale, Hume Group

Silurian

ROEMERIPORA PROGENITOR (Chapman, 1921); Hill & Jell, 1970.

Roemeripora progenitor (Chapman, 1921); Hill & Jell, 1970, p. 182, Pl. 19, fig. 4.

S.U.P. 28200 Mentioned and figured

Near Reefton, New Zealand

Reefton Limestone

Middle Devonian

ROSENELLA WOYUENSIS Ozaki, 1938; Webby, 1969.

Rosenella woyuensis Ozaki, 1938; Webby, 1969, p. 649, Pl. 120, figs 3-6.

S.U.P. 26214-17, 29140 Mentioned

S.U.P. 26216-17 Mentioned and figured

Licking Hole Creek (26214-17) and east of Large Flat (29140)

Lower member of Cliefden Caves Limestone (26214-17) and 'upper big shell' unit of lower member of Cliefden Caves Limestone (29140)

Ordovician

SANIDOPHYLLUM COLLIGATUM (Etheridge, 1920); Hill, 1942.

Sanidophyllum colligatum (Etheridge, 1920); Hill, 1942a, p. 157 (*cum syn.*), Pl. 4, fig. 11.

S.U.P. 5245 Topotype?

Moore Creek, Por. 264, Par. Burdekin, near Attunga, N.S.W.

Moore Creek Limestone

Devonian

SANIDOPHYLLUM DAVIDIS

Etheridge, 1889; Hill, 1942.

Sanidophyllum davidis Etheridge, 1889; Hill, 1942a, p. 156, Pl. 4, fig. 10.

S.U.P. 5251 Topotype?

Spring Creek (2 miles S of Moore Creek)

Por. 264, Par. Burdekin, near Attunga, N.S.W.

Moore Creek Limestone

Devonian

SCHEDOHALYSITES ORTHO-

TEROIDES Etheridge, 1904; Strusz, 1961.

Schedohalysites orthopteroides Etheridge, 1904; Strusz, 1961, p. 355 (*cum syn.*), Pl. 44, fig. 10.

S.U.P. 11188 Mentioned, figured

Por. 93, Par. Mumbil, Co. Wellington, N.S.W.

Upper Ordovician or Lower Silurian

SPONGOPHYLLOIDES? THOMASAE Hill, 1940.

Spongophylloides? thomasaе Hill, 1940, p. 181, Pl. 4, figs 1a-b.

S.U.P. 6188 Holotype

Near Cudal, N.S.W.

Garra Beds (Garra Formation)

Lower and Middle Devonian

SPONGOPHYLLUM GIGANTEUM

Etheridge, 1899; Hill, 1942.

Spongophyllum giganteum Etheridge, 1899; Hill, 1942a, p. 161, Pl. 4, figs 15a-b.

S.U.P. 7235 (Pl. 4, fig. 15), 7161 Mentioned, figured

Por. 248 (S.U.P. 7235); Por. 252 (S.U.P. 7161); both in Par. Burdekin, Tamworth district, N.S.W.

In a limestone, equivalent to Moore Creek Limestone

Devonian

SPONGOPHYLLUM HALYSITOIDES

HALYSITOIDES Etheridge fil., 1918; Strusz, 1966.

Spongophyllum halysitoides halysitoides Etheridge fil., 1918; Strusz, 1966, p. 573, Pl. 90, figs 2, 3; text-figs 11, 12.

S.U.P. 6241 Mentioned (p. 573)

S.U.P. 16223 Figured (Pl. 90, figs 3a, b)

S.U.P. 16224 Figured (Pl. 90, fig. 2)

Por. 256, Par. Burdekin, Tamworth district; Nemingha Limestone (Lower Devonian) (for S.U.P. 6241)

Por. 80, Par. Eurimbula, Co. Gordon; in

Blind Gully, in biohermal limestone;
Garra Formation (Devonian) (for S.U.P.
16223, 16224)

Devonian

SPONGOPHYLLUM ?IMMERSUM Hill, 1942.

Spongophyllum ?immersum Hill, 1942a;
1942b, p. 161.

S.U.P. 7154, 7159 Mentioned

Por. 61 (S.U.P. 7154), Por. 137 (S.U.P.
7159); Par. Woolmol, Tamworth dis-
trict, N.S.W.

Moore Creek Limestone

Middle Devonian

SPONGOPHYLLUM sp. cf. **ROSIFORME** Yoh, 1937; Strusz, 1966.

Spongophyllum sp. cf. *rosiforme* Yoh, 1937;
Strusz, 1966, p. 575, Pl. 91, figs 1a, b;
text-fig. 13.

S.U.P. 17167 Mentioned, figured

Por. 14 (SW corner), Par. Ponto, Co.
Gordon

Garra Formation

Devonian

STRATODICTYON COLUMNARE

Webby, 1969.

Stratodictyon columnare Webby, 1969, p.
648, Pl. 118, figs 4-6; Pl. 119, fig. 6; Pl.
124, fig. 3.

S.U.P. 26229 Holotype

S.U.P. 26227-28, 26230-31, 29142 Para-
types

Licking Hole Creek (26227-31) and
Quondong (29142)

Lower member of Cliefden Caves Lime-
stone (26227-31), and lower part of
Bowen Park Limestone (29142)

Ordovician

STRATODICTYON OZAKII Webby, 1969.

Stratodictyon ozakii Webby, 1969, p. 647,
Pl. 119, figs 4-5; Pl. 120, figs 1, 2; Pl.
124, fig. 1.

S.U.P. 26252 Holotype

S.U.P. 26247-48, 26253 Paratypes

Licking Hole Creek, W of Orange, N.S.W.

Lower member of Cliefden Caves Limestone

Ordovician

STRIATOPORA sp. Hill & Jones, 1940; Strusz, 1961.

Striatopora sp. Hill & Jones, 1940; Strusz,
1961, p. 353 (*cum syn.*), Pl. 44, figs
4, 5.

S.U.P. 10152, 10162 (Pl. 44, figs 4, 5),
10164, 11190 Mentioned figured

'Mumbil' farmhouse (S.U.P. 10152); Por.
5 (S.U.P. 10162); Por. 3 (S.U.P.
10164); Por. 89 (S.U.P. 11190); all in
Par. Mumbil, Co. Wellington, N.S.W.

Middle Silurian

STRINGOPHYLLUM BIPARTITUM Hill, 1942.

Stringophyllum bipartitum Hill, 1942a;
1942b, p. 161, Pl. 4, fig. 17.

S.U.P. 7191, 7195 (Pl. 4, fig. 17) Men-
tioned, figured

Por. 127, Par. Burdekin, near Attunga,
N.S.W.

Moore Creek Limestone

Middle Devonian

STRINGOPHYLLUM DENSUM Hill, 1942.

Stringophyllum densum Hill, 1942a, p. 161,
Pl. 4, fig. 16.

S.U.P. 7193 Holotype

Por. 127, Par. Burdekin, N of Sulcor
Quarry, near Attunga, N.S.W.

Middle Devonian

SULCORPHYLLUM BROWNAE (Hill, 1942); Pedder, 1963.

Sulcorphyllum brownae (Hill, 1942);
Pedder, 1963, p. 367 (*cum syn.*).

S.U.P. 8152 Holotype

Por. 88 or 115, Par. Burdekin, near
Attunga, N.S.W.

Limestone near Sulcor Quarry

Late Lower Devonian?

SYRINGOPORA sp. Hill, 1940.

Syringopora sp. Hill, 1940, p. 201, Pl. 8, fig. 4.

S.U.P. 5176 Mentioned, figured

Crystal Springs, near Molong, Por. 174,

Par. Bell

Garra Beds

Lower and Middle Devonian

SYRINGOPORA sp. Strusz, 1961.

Syringopora sp. Strusz, 1961, p. 357, Pl. 45, figs 4-5, 6-8, 10-11.

S.U.P. 10175 (Pl. 45, figs 4-5), 10191, 11107 (Pl. 45, figs 6-8), 11108, 11193 (Pl. 45, figs 10-11) Mentioned, figured

Boundary between Pors 116 and 194, Par. Mumbil, N.S.W.

Middle Silurian

TAIMYROPHYLLUM EXPANSUM

(Hill, 1942); Strusz, 1966.

Taimyrophyllum expansum (Hill, 1942b, p. 184, Pl. 6, figs 5a, b); Strusz, 1966, p. 592, Pl. 96, figs 2-4.

S.U.P. 7290 Holotype (figured: Pl. 96, fig. 3)

(also figured by Hill, 1942)

S.U.P. 14102 Mentioned (p. 592), figured (Pl. 96, figs 4a, b)

S.U.P. 14103 Figured (Pl. 96, fig. 2)

Por. 50 (S end), Par. Curra, Co. Gordon (for S.U.P. 7290)

Por. 111, Par. Curra, Co. Gordon (S.U.P. 14102-3)

Garra Formation

Devonian

TIPHEOPHYLLUM BARTRUMI (Allan, 1935); Hill, 1956.

Tipheophyllum bartrumi (Allan, 1935); Hill, 1956, p. 9.

See *Eridophyllum bartrumi* (Allan, 1935); Hill, 1940.

TRAPEZOPHYLLUM COULTERI Hill, 1942.

Trapezophyllum coulteri Hill, 1942a, p. 152, Pl. 3, figs 3a-b.

S.U.P. 5243 Holotype

Sulcor Quarry in Por. 88, Par. Burdekin

Sulcor Limestone

Lower Middle Devonian

TRYPLASMA COLUMNARE Etheridge, 1907; Hill, 1940.

Tryplasma columnare Etheridge, 1907; Hill, 1940, p. 187.

S.U.P. 5165, 5168-70 Mentioned

At turn-off to Wellington Caves from main road between Wellington and Molong, N.S.W. (S.U.P. 5165)

Nora Creek, Por. 191, Par. The Gap, Co. Ashburnham (S.U.P. 5168-5170)

Garra Formation

Lower and Middle Devonian

?TRYPLASMA COLUMNARE Etheridge, 1907; Strusz, 1961.

?Tryplasma columnare Etheridge, 1907; Strusz, 1961, p. 345 (*cum syn.*), Pl. 42, figs 10, 11.

S.U.P. 11197 Mentioned and figured

Por. 116, Par. Mumbil, Co., Wellington, N.S.W.

Middle Silurian

TRYPLASMA DERRENGULLENENSE? Etheridge, 1907; Strusz, 1961.

Tryplasma derrengullenense? Etheridge, 1907; Strusz, 1961, p. 345 (*cum syn.*) Pl. 42, fig. 14; Pl. 43, fig. 12.

S.U.P. 10159, 10223, 11173 Mentioned, figured

(S.U.P. 10223; Pl. 42, fig. 14; S.U.P. 11173; Pl. 43, fig. 12)

Par. Mumbil, Co. Wellington, N.S.W.

Upper Silurian or Lower Devonian (S.U.P. 10159 and 10223)

Upper Ordovician or Lower Devonian (S.U.P. 11173)

TRYPLASMA? LONSDALEI Etheridge, 1890; Hill, 1942.

- Tryplasma? lonsdalei* Etheridge, 1890; Hill, 1942b, p. 188, Pl. 5, fig. 9.
S.U.P. 7296 Mentioned, figured
Lower Devonian (Coblenzian)
- TRYPLASMA? LONSDALEI** Etheridge, 1890; Strusz, 1961.
Tryplasma? lonsdalei Etheridge, 1890; Strusz, 1961, p. 343 (*cum syn.*), Pl. 42, figs 12, 13; text-fig. 4.
S.U.P. 10163, 10164, 10210, 10213, 10280, 10298, 11109, 11117, 11207 Mentioned
S.U.P. 10186 (Pl. 42, fig. 12), 10201 (Pl. 42, fig. 13), 11183 (text-fig. 4) Mentioned and figured
Par. Mumbil, Co. Wellington and Por. 141, Par. Narragal, Co. Gordon, N.S.W.
Topmost Ordovician or Lower Silurian
- TRYPLASMA WELLINGTONENSE** Etheridge, 1895; Strusz, 1961.
Tryplasma wellingtonense Etheridge, 1895; Strusz, 1961, p. 344 (*cum syn.*), Pl. 42, fig. 16.
S.U.P. 10217 Mentioned, figured
Por. 5, Par. Mumbil, Co. Wellington, N.S.W.
Middle Silurian
- TRYPLASMA sp.** Hill, 1942.
Tryplasma sp. Hill, 1942a, p. 160.
S.U.P. 6242 Mentioned
Por. 192, Par. Attunga, N.S.W.
In a limestone, possibly equivalent to Nemingha Limestone
Lower Devonian
- ?TRYPLASMA sp.** Hill, 1942.
?Tryplasma sp. Hill, 1942a, p. 160, Pl. 4, fig. 14.
S.U.P. 7186 Mentioned, figured
Por. 252, Par. Burdekin, near Attunga, N.S.W.
Follington's Limestone
Middle Devonian
- XYSTRIPHYLLUM DUNSTANI** (Etheridge fil., 1911); Hill, 1942; Strusz, 1966.
Xystriphyllum dunstani (Etheridge fil., 1911); Hill, 1942b, p. 189, Pl. 6, fig. 2; Strusz, 1966, pp. 580, 581, 583; Pl. 92, figs 1, 2; text-figs 14, 15.
S.U.P. 3193 Mentioned (p. 583)
S.U.P. 5282 Mentioned (p. 580) and figured (in Hill, 1942b, Pl. 6, fig. 2)
S.U.P. 13263 Mentioned (p. 580), figured (Pl. 92, figs 1, 2; text-fig. 14)
S.U.P. 17182, 17183, 17184 Mentioned (p. 581 in text-fig. 15)
Wee Jasper, Goodradigbee River, N.S.W. (for S.U.P. 3193)
Por. 247 (NW corner), E of Por. 39, S of road, Par. Mickety Mulga, Co. Lincoln, N.S.W. (for S.U.P. 5282)
Por. 80, Par. Curra, Co. Gordon (for S.U.P. 13263)
Por. 142 (E. centre), Par. Ponto, Co. Gordon (for S.U.P. 17182-84)
Garra Formation
Devonian
- XYSTRIPHYLLUM MAGNUM** Hill, 1942.
Xystriphyllum magnum Hill, 1942a; 1942b, p. 189, Pl. 6, fig. 3; Pl. 3, fig. 2 in: Hill 1942a.
S.U.P. 7270 Holotype (Pl. 3, fig. 2 in Hill 1942a)
S.U.P. 5292 Hypotype? (Pl. 6, fig. 2 in Hill 1942b)
Sulcor Quarry, in Pors 88 and 115, Par. Burdekin, near Attunga, N.S.W. (Holotype); N of road, Par. 247, Par. Mickety Mulga, about 6 miles NW of Wellington, N.S.W. (Hypotype?)
Sulcor Limestone
Lowermost Middle Devonian (Early Couvinian)
- XYSTRIPHYLLUM MAGNUM** Hill, 1942; Strusz, 1966.
Xystriphyllum magnum Hill, 1942; Strusz, 1966, p. 584, Pl. 93, fig. 1.

S.U.P. 5292 Mentioned and figured
Pors 60, 247 (boundary), Par. Micky
Mulga, Co. Lincoln, N.S.W.
Garra Formation

Devonian

XYSTRIPHYLLUM MITCHELLI

Etheridge, 1899; Hill, 1942.

Xystriphyllum mitchelli Etheridge, 1899;
Hill, 1942a, p. 147, Pl. 2, fig. 9.

S.U.P. 7251 Mentioned and figured
Por. 248, Par. Burdekin, Tamworth district

Devonian

ZELOLASMA GEMMIFORME (Etheridge
fil., 1902); Strusz, 1965.

Zelolasma gemmiforme (Etheridge fil.,
1902); Strusz, 1965, p. 534, Pl. 72, fig.
7; text-fig. 5.

S.U.P. 5278 Mentioned and figured
Boundary of Pors 60 and 247, Par. Micky
Mulga, Co. Gordon, N.S.W.

Garra Formation

Devonian

BRYOZOA

AUSTRAPHYLLOPORINA CLIEFDEN- ENSIS Phillips Ross, 1961.

Austraphylloporina cliefdenensis Phillips
Ross, 1961a, p. 58, Pl. 13, figs 2, 4; Pl.
14, figs 3, 5.

S.U.P. 9262 Holotype (Pl. 13, fig. 4; Pl.
14, fig. 5)

S.U.P. 9263 Topotype (Pl. 13, fig. 2; Pl.
14, fig. 3)

Fossil Hill, SW of Orange, N.S.W.

Cliefden Caves Limestone

Middle Ordovician

BATOSTOMA TUBULIFERUM Phillips Ross, 1961.

Batostoma tubuliferum Phillips Ross, 1961a,
p. 31, Pl. 3, figs 4, 5, 7; Pl. 4, figs 1, 2;
text-figs 3, 4.

S.U.P. 10415 Holotype (Pl. 3, figs 5, 7;
Pl. 4, figs 1, 2; text-figs 3, 4)

Middle Ordovician

S.U.P. 10416(A) and 10417(B) Paratypes
A and B (Pl. 3, fig. 4)

Fossil Hill, Por. 3, Par. Malongulli, SW of
Orange, N.S.W.

Cliefden Caves Limestone

Middle Ordovician

BATOSTOMA sp. A (Crockford, 1943);
Phillips Ross, 1961.

Batostoma sp. A (Crockford, 1943);
Phillips Ross, 1961a, p. 33 (*cum syn.*),
Pl. 5, fig. 2.

S.U.P. 494 Mentioned and figured section
Locality uncertain; either Middle Valley or
George Gill Range, Macdonnell Ranges,
Central Australia

'Larapintine Series'

Upper Ordovician

BATOSTOMA sp. B Phillips Ross, 1961.

Batostoma sp. B Phillips Ross, 1961a, p.
34, Pl. 5, figs 1, 4.

S.U.P. 11421, 11423 Mentioned and figured
section

Por. 289, Par. Bowan, N.S.W.

Bowan Park Limestone

Middle or Upper Ordovician

BATOSTOMELLA CYLINDRICA Crock-
ford, 1941.

Batostomella cylindrica Crockford,
1941(b), p. 504, Pl. 20, fig. 1; text-figs
1A-B.

S.U.P. 1428, 1438 Topotypes

(S.U.P. 1428: Pl. 20, fig. 1; S.U.P. 1428:
text-fig. 1)

North Head, Ulladulla, N.S.W.

Conjola Formation

Lower Permian

CHEILOTRYPA sp. A Phillips Ross, 1961.

Cheilotrypa sp. A Phillips Ross, 1961a, p.
65, Pl. 15, fig. 3.

S.U.P. 10436 Mentioned, figured section
Hatton's Corner, Yass, N.S.W.

Hume Limestone or 'Barrandella Shale' (in
Hume Group)

Middle Silurian

CYPHOTRYPA LAMELLOSA Phillips
Ross, 1961.

Cyphotrypa lamellosa Phillips Ross, 1961a,
p. 41, Pl. 6, fig. 3; Pl. 7, fig. 2.

S.U.P. 10444 Holotype

7.5 miles at 325° from Molong Railway
Station, N.S.W.

Garra 'Beds'?

Middle Devonian

CYPHOTRYPA MURRUMBIDGENSIS
Phillips Ross, 1961.

Cyphotrypa murrumbidgensis Phillips Ross,
1961a, p. 42, Pl. 7, fig. 5; Pl. 8, figs
1, 4.

S.U.P. 11436 Holotype

Devil's Elbow, above Burrinjuck Dam,
Murrumbidgee River, N.S.W.

Murrumbidgee Group

Middle Devonian?

CYPHOTRYPA ? SHEARBYI Crock-
ford, 1942.

Cyphotrypa ? shearsbyi Crockford, 1942,
p. 105, text-fig. 1A-B.

S.U.P. 1439 Holotype

Por. 229, Par. Warroo, Co. Murray, about
200 yards N of Taemas Bridge, Murrum-
bidgee River, N.S.W.

'Basal Limestone Series' (?Cavan Forma-
tion)

Devonian

DYBOWSKIELLA CRESCENTICA
Crockford, 1947.

Dybowskiella crescentica Crockford, 1947,
p. 6, text-fig. 3.

S.U.P. 6448 Holotype

Old Cannindah Homestead, near Monto,
Queensland

Baywulla Formation

Lower Carboniferous

DYBOWSKIELLA

RHOMBOIDEA

Crockford, 1947.

Dybowskiella rhomboidea Crockford, 1947,
p. 25, text-fig. 32.

S.U.P. 6426 Holotype

Taree Quarry in Por. 18, Par. Taree, N.S.W.
'Upper Burundi Series'

Lower Carboniferous

DYSCRITELLA POROSA Crockford,
1943.

Dyscritella porosa Crockford, 1943a, p.
259.

S.U.P. 3402 Holotype

S.U.P. 3403 Figured sections

Jackson's Hill, Por. 132, Par. Pokolbin,
N.S.W.

Allandale Formation

Lower Permian

DYSCRITELLA RESTIS Crockford, 1943.

Dyscritella restis Crockford, 1943a, p. 259.

S.U.P. 2448 Holotype

S.U.P. 3400 Figured sections

Allandale Railway Cutting, E of Allandale
Railway Station, Hunter Valley, N.S.W.
Allandale Formation (above *Eurydesma*
Horizon)

Permian

EVACTINOPORA TRIFOLIATA Crock-
ford, 1947.

Evactinopora trifoliata Crockford, 1947, p.
27, Pl. 4, fig. 1; text-figs 30, 31.

S.U.P. 6433 Holotype

Glen William, N.S.W.: Par. Wallarobba,
Co. Durham

'Lower Burundi Series'

Lower Carboniferous

FENESTELLA ALTACARINATA Crock-
ford, 1941; 1951.

Fenestella altacarinata Crockford, 1941b,
p. 507, Pl. 21, fig. 6; 1951, p. 110.

S.U.P. 1421 Holotype (Pl. 21, fig. 6)

S.U.P. 3411, 3413, 3427, 3429 Paratypes

Por. 15, Par. Belford, Hunter Valley, N.S.W.

Maitland Group (*Fenestella* Zone)

Upper Permian

FENESTELLA CANTHARIFORMIS Crockford, 1941; 1951.

Fenestella canthariformis Crockford, 1941b, p. 510, text-fig. 2A; 1951, p. 110.

S.U.P. 1423 Holotype (text-fig. 2A)

S.U.P. 3412 Paratype

Por. 15, Par. Belford, Hunter Valley, N.S.W.

Maitland Group (*Fenestella* Zone)

Upper Permian

FENESTELLA FOSSULA Lonsdale, 1844; Crockford, 1941; 1951.

Fenestella fossula Lonsdale, 1844; Crockford, 1941a, p. 399, Pl. 18, figs 2, 3, text-fig. 1; 1951, p. 110.

S.U.P. 1406 Neotype (Pl. 18, fig. 3)

S.U.P. 1412 Topotype (Pl. 18, fig. 2)

Huon Rd (?), Mt Wellington, Tasmania; in fine sandstone horizon

Permian

FENESTELLA GRANULIFERA Crockford, 1941; 1951.

Fenestella granulifera Crockford, 1941b, p. 509 (*cum syn.*), Pl. 21, fig. 4; 1951, p. 110.

S.U.P. 1427 Holotype

Railway cutting, 1 mile W of Branxton, N.S.W.

Maitland Group (*Fenestella* Zone)

Upper Permian

FENESTELLA MALCHI Crockford 1948; 1951.

Fenestella malchi Crockford, 1948, p. 422; 1951, p. 109.

S.U.P. 7429, 7432 Mentioned

Stroud district, N.S.W.; from marine intercalation in 'Upper Kuttung'

Upper Carboniferous—Lower Permian

FENESTELLA QUINQUECELLA Crockford, 1941; 1951.

Fenestella quinquecella Crockford, 1941b, p. 508, Pl. 21, fig. 3; 1951, p. 110.

S.U.P. 1422 Holotype

Warden Head, Ulladulla, N.S.W.

Maitland Group ('Ulladulla Mudstone' = Conjola Formation)

Permian

FENESTRELLINA ACARINATA Crockford, 1947.

Fenestrella quinquecella Crockford, 1941b, 36, Pl. 6, fig. 3; text-fig. 45.

S.U.P. 7402 Holotype

S.U.P. 6438 Mentioned

Hilldale, N.S.W. (Holotype); Glen William, N.S.W. (mentioned specimen)

'Lower Burindi Series'

Lower Carboniferous

FENESTRELLINA CRIBRIFORMIS Crockford, 1947.

Fenestrellina cribriformis Crockford, 1947, p. 36, text-fig. 48.

S.U.P. 7415A Holotype

Rouchel Brook, N.S.W.; marine intercalation near the base of Lower Kuttung Series

Lower Carboniferous

FENESTRELLINA MOUARA Crockford, 1942.

Fenestrellina mouara Crockford, 1942, p. 108, text-figs 1c, 1f.

S.U.P. 1437 Holotype

Por. 41, Par. Woolamel, S of Moore (Mouara) Creek, near Tamworth, N.S.W.

Moore Creek Limestone

Middle Devonian

FENESTRELLINA PROPINQUA de Koninck, 1877; Crockford, 1947.

Fenestrellina propinqua de Koninck, 1877; Crockford, 1947, p. 35, Pl. 6, fig. 4, text-fig. 50.

S.U.P. 2403 Neotype
S.U.P. 7401, 7406, 7412, 7426 Mentioned
Glen William, N.S.W. (Neotype); Hildale,
N.S.W.
(S.U.P. 7401, 7406, 7412); Back Creek,
N.S.W.

All from Lower Burindi Series, except
S.U.P. 7426 which is from marine intercalation near base of Lower Kuttung Series

Carboniferous

FENESTRELLINA ROUCHELI Crockford, 1947.

Fenestrellina roucheli Crockford, 1947, p. 37, text-fig. 49.

S.U.P. 7414 and 7415 B Holotypes (Syntypes?)

Rouchel Brook, N.S.W.; marine intercalation near base of Lower Kuttung Series

Lower Carboniferous

FISTULAMINA FRONDESCENS Crockford, 1948.

Fistulina frondescens Crockford, 1948, p. 420, text-figs 2, 2A.

S.U.P. 7427, 7428 Holotypes (Syntypes?)
Stroud, N of Newcastle, N.S.W.; marine intercalation in the Upper Kuttung Series

Upper Carboniferous

FISTULAMINA INORNATA Crockford, 1947.

Fistulina inornata Crockford, 1947, p. 29, Pl. 4, figs 5-6, text-figs 33-36.

S.U.P. 6431 Holotype

S.U.P. 9444 Topotype (text-figs 33-36)

S.U.P. 7405, 7426 Mentioned

Glen William, N.S.W. (S.U.P. 6431, 9444); Hildale, N.S.W. (S.U.P. 7405); Back Creek, N.S.W. (S.U.P. 7426)

All from Lower Burindi Series, except S.U.P. 7426, which is from Lower Kuttung Series

Lower Carboniferous

FISTULIPORA MIRARI Crockford, 1947.

Fistulipora mirari Crockford, 1947, p. 25, Pl. 4, fig. 4, text-fig. 26.

S.U.P. 6432 Holotype

S.U.P. 7404 Mentioned

Glen William, N.S.W. (Holotype); Hildale, N.S.W. (S.U.P. 7404), both from Lower Burindi Series

Lower Carboniferous

FISTULIPORA NORENSIS Phillips Ross, 1961.

Fistulipora norensis Phillips Ross, 1961a, p. 61, Pl. 14, fig. 7; Pl. 19, fig. 7.

S.U.P. 10446 Holotype

Nora Creek, 7.25 miles at 318° from Molong Railway Station, N.S.W.

Garra Beds (Garra Formation)

Middle Devonian

FISTULIPORA sp. Wass, 1968.

Fistulipora sp. Wass, 1968, p. 18, Pl. 1, figs 1, 2.

S.U.P. 16401, 16402 Mentioned and figured Bowen Basin, 6 miles S of Cracow, 0.8 miles at 290° from Cracow, Qld

Buffel Formation

Permian (Artinskian)

GONIOCLADIA IMMENSA Wass, 1968.

Goniocladia immensa Wass, 1968, p. 280, Pl. 15, figs 1-4; Pl. 16, figs 1, 2, 4.

S.U.P. 16413 Holotype

S.U.P. 16414-16 Paratypes (thin sections only)

S.U.P. 16417-24 Hypotypes (16422-24: thin sections only)

0.75 miles NW of Cracow, 6 miles S of Cracow, Qld, Grid. ref. 32108453 on Mundubbera 1: 253,440 military map

Buffel Formation

Permian

GONIOCLADIA LAXA (de Koninck, 1877); Crockford, 1947.

Goniocladia laxa (de Koninck, 1877); Crockford, 1947, p. 29 (*cum syn.*), Pl.

5, figs 3-5, text-figs 40-41.
S.U.P. 5424, 5427, 7411 Figured specimens
Hilldale, N.S.W.
'Lower Burindi Series'
Lower Carboniferous

GONIOCLADIA PARVA Crockford,
1947.

Goniocladia parva Crockford, 1947, p. 31.
Pl. 5, fig. 2, text-fig. 39.
S.U.P. 7415 Holotype
Rouchel Brook, N.S.W.; marine intercala-
tion near base of the 'Lower Kuttung
Series'

Lower Carboniferous

GRANIVALLUM FISTULOSUM
Phillips Ross, 1961.

Granivallum fistulosum Phillips Ross,
1961a, p. 52, text-figs 6, 7
S.U.P. 10430
Fossil Downs, 7 miles E of Bullock Pad-
dock Bire, Fitzroy Basin, W.A.
Calcareous siltstone in the Fairfield Beds
Upper Devonian

HEMITRYPA CLARKEI Crockford,
1947.

Hemitrypa clarkei Crockford, 1947, p. 38,
Pl. 6, figs 1, 2, text-fig. 46.
S.U.P. 6430 Holotype
S.U.P. 6430B, 7405, 7410 Mentioned.
Glen William, N.S.W. (Holotype); Hilldale,
N.S.W. (Mentioned specimens)
'Lower Burindi Series'
Lower Carboniferous

HEMITRYPA sp. B Phillips Ross, 1961.

Hemitrypa sp. B Phillips Ross, 1961a, p.
74, Pl. 17, fig. 2.
S.U.P. 10447 Hypotype
12 miles NW of Wellington, on the
Wellington-Dubbo road
Lower or Middle Devonian

HETEROTRYPA PONTENSIS Phillips
Ross, 1961.

Heterotrypa pontensis Phillips Ross, 1961a,
Pl. 6, figs 2, 5, 6; Pl. 7, figs 1-3.
S.U.P. 10440 Holotype
S.U.P. 10448 Topotype
Par. Ponto, Terabella Road, 4.5 miles W
of Wellington, N.S.W., in a calcarenite
Lower or Middle Devonian

HOMOTRYPA FENESTRATA Phillips
Ross, 1961.

Homotrypa fenestrata Phillips Ross, 1961a,
p. 24, Pl. 1, figs 2, 4, 5; Pl. 2, figs 1-2.
S.U.P. 10410 Holotype
Fossil Hill, Cliefden Caves, N.S.W.
Cliefden Caves Limestone

Middle Ordovician

HOMOTRYPA FENESTRATA Phillips
Ross, 1961.

Homotrypa fenestrata Phillips Ross, 1961a,
p. 26.
S.U.P. 10411, 10412, 10413, 10414, Hypo-
types
Fossil Hill, Cliefden Caves, N.S.W.
Cliefden Caves Limestone

Middle Ordovician

HOMOTRYPA FENESTRATA Phillips
Ross, 1961.

Homotrypa fenestrata Phillips Ross, 1961a,
p. 112, Pl. 1, fig. 1.
S.U.P. 11406 Figured specimen
Fossil Hill, Cliefden Caves, N.S.W.
Cliefden Caves Limestone
Middle Ordovician

HOMOTRYPA sp. cf. FENESTRATA
Phillips Ross, 1961.

Homotrypa sp. cf. *fenestrata* Phillips Ross,
1961a, pp. 26-27.
S.U.P. 10402, 10405, 10406, 11422-11432
(inc.) Hypotypes
Fossil Hill, Cliefden Caves, N.S.W.
Cliefden Caves Limestone
Middle Ordovician

IGNOTRYPA MULTIVINCULA Wass,
1969.

Ignotrypa multivincula Wass, 1969 (in
Wass & Byrnes, 1969), p. 161, Pl. 9,
a-d, fig. 2.

S.U.P. 17405 Holotype (Pl. 9, fig. 1)

S.U.P. 17406-17409 Paratypes (17406: Pl.
9, fig. d)

S.U.P. 17410-17419 Mentioned (17414:
Pl. 9b, 17415: Pl. 9c)

Ca. 5.5 miles WNW of Cundumbul, N of
Molong, N.S.W.

Grid ref.: 177941 on Dubbo sheet 1 :
250,000

Ischadites Bed of Garra Formation

Devonian

IKELARCHIMEDES WARROOENSIS
Phillips Ross, 1961.

Ikelarchimedes warrooensis Phillips Ross,
1961a, p. 75, Pl. 18, figs 4-6, 8-9; Pl.
19, figs 5, 6, 8, 9; Pl. 20, figs. 3-6, 9;
Pl. 21, figs 6, 8.

S.U.P. 11442 Holotype

S.U.P. 11443-11450 (inclusive) Paratypes
Por. 208, Par. Warroo, Yass district,
N.S.W.

Murrumbidgee 'Series' (Group)

Middle Devonian?

IKELARCHIMEDES WARROOENSIS
Phillips Ross, 1961.

Ikelarchimedes warrooensis Phillips Ross,
1961a, Pl. 18, figs 5, 6, 9; Pl. 19, figs 6,
8; Pl. 21, figs 6, 8.

S.U.P. 12400-12404 (inclusive), 12406,
12407 Hypotypes (12400: Pl. 19, fig. 6;
12401: Pl. 18, fig. 6; 12402: Pl. 18, fig.
9; 12403: Pl. 19, fig. 8; 12404: Pl. 18,
fig. 5; 12406: Pl. 21, fig. 6; 12407: Pl.
21, fig. 8)

Por. 208, Par. Warroo, Yass district, N.S.W.
Murrumbidgee 'Series' (Group)

Middle Devonian

LEIOCLEMA sp. Crockford, 1947.

Leioclema sp. Crockford, 1947, p. 13.

S.U.P. 7425 Mentioned
Wellington district, N.S.W.

Devonian

LEPTOTRYPA sp. A Phillips Ross, 1961.

Leptotrypa sp. A Phillips Ross, 1961a, p.
43, Pl. 7, fig. 4; Pl. 8, figs 2, 3; Pl. 9,
fig. 1.

S.U.P. 11435 Hypotype

Taemas, in Yass district (exact locality
unknown), N.S.W.: in a calcilutite

Middle Devonian?

MESOTRYPA sp. A Phillips Ross, 1961.

Mesotrypa sp. A Phillips Ross, 1961a, p.
30, Pl. 3, fig. 2.

S.U.P. 11405, 11441 Figured sections

Por. 289, Par. Bowan; Bowan Park, N.S.W.
Bowan Park Limestone

Middle or Upper Ordovician

MINILYA BITUBERCULATA Crockford,
1941; 1944; 1951.

Minilya bituberculata Crockford, 1941b, p.
506, text-fig. 2B; 1944, p. 173; 1951,
p. 110.

S.U.P. 1424 Holotype

S.U.P. 5400 Paratype

Por. 126, Par. Mulbring, Hunter Valley,
N.S.W.

Maitland Group (*Fenestella* Zone)

Upper Permian

NICKLESOPORA GEURIENSIS Phillips
Ross, 1961.

Nicklesopora geuriensis Phillips Ross,
1961a, p. 91, Pl. 25, figs 3, 7.

S.U.P. 10438 Holotype

Por. 58, Par. Geurie, 10.5 miles NW of
Wellington, N.S.W.

Lower or Middle Devonian

ORBIGNYELLA BOONDERENSIS
Phillips Ross, 1961.

Orbignyella boonderensis Phillips Ross,
1961a, p. 29, Pl. 3, figs 1, 3, 6.

S.U.P. 9245 Holotype

Large Flat, Cliefden Caves, N.S.W.

Cliefden Caves Limestone

Middle Ordovician

PENNIRETEPORA LOBATA Crockford, 1942.

Penniretepora lobata Crockford, 1942, p. 110 (*cum syn.*).

S.U.P. 1443, 1444 Paratypes

Por. 12, Par. Derrengullen, N.S.W. (S.U.P. 1443)

Derrengullen Creek, Por. 10, Par. Yass, N.S.W. (S.U.P. 1444)

Silurian

PENNIRETEPORA OSBORNEI Crockford, 1947.

Penniretepora osbornei Crockford, 1947, p. 42, text-fig. 47.

S.U.P. 6428 Holotype

Glen William, N.S.W.

'Lower Burindi Series'

Lower Carboniferous

PESNASTYLUS HUMEI Crockford, 1942.

Pesnastylus humei Crockford, 1942, p. 112, Pl. 5, figs 2, 6, text-fig. (G-1).

S.U.P. 1445, 1446 Cotypes

S.U.P. 1447 Topotype

Por. 16, Par. Boambolo, Co. Murray, N.S.W.: S.U.P. 1447 from outcrop in small creek W of Taemas Road Barrandella Shale (Hume Group)

Silurian

POLYPORA DICHOTOMA Crockford, 1941.

Polypora dichotoma Crockford, 1941b, p. 511, Pl. 20, fig. 4.

S.U.P. 1419 Holotype

Warden Head, Ulladulla, N.S.W.

'Ulladulla Mudstone' (=Conjola Formation)

Permian

POLYPORA LINEA Crockford, 1941.

Polypora linea Crockford, 1941b, p. 514, Pl. 21, fig. 1.

S.U.P. 1414 Holotype

S.U.P. 3435, 3449, 5404 Paratypes

Por. 126, Par. Mulbring, Hunter Valley, N.S.W.

Maitland Group (*Fenestella* 'Shale' Zone)

Permian

POLYPORA MAGNAFENESTRATA Crockford, 1941.

Polypora magnafenestrata Crockford, 1941b, p. 513, Pl. 20, fig. 5; Pl. 21, fig. 5.

S.U.P. 1418 Holotype (Pl. 20, fig. 5)

S.U.P. 3439 Paratype

S.U.P. 1417 Figured specimen (Pl. 21, fig. 5)

Railway cutting, 1 mile W of Branxton, N.S.W., Por. 126, Par. Mulbring

Maitland Group (*Fenestella* 'Shale' = *Fenestella* Zone)

Permian

POLYPORA MONTUOSA (Laseron, 1918); Crockford, 1941.

Polypora montuosa (Laseron, 1918); Crockford, 1941a.

S.U.P. 1409, 1413 Topotypes

Railway Cutting 1 mile W of Branxton, N.S.W.

Maitland Group (*Fenestella* 'Shale' = *Fenestella* Zone)

Permian

POLYPORA MULTINODATA Crockford, 1941.

Polypora multinodata Crockford, 1941b, p. 513, Pl. 21, fig. 7.

S.U.P. 1416 Holotype (Pl. 21, fig. 7)

S.U.P. 3422, 3430 Paratypes

Por. 15, Par. Belford, Hunter Valley, N.S.W.

Maitland Group (*Fenestella* 'Shale' = *Fenestella* Zone)

Permian

POLYPORA PERTINAX Laseron, 1918;
Crockford, 1941.

Polypora pertinax Laseron, 1918; Crockford, 1941a, p. 412.

S.U.P. 1411 Figured specimen
Railway Cutting, E of Allandale

Permian

POLYPORA TRISERIATA Crockford, 1941.

Polypora triseriata Crockford, 1941b,
p. 512, Pl. 20, fig. 2.

S.U.P. 1420 Holotype

Warden Head, Ulladulla, N.S.W.

Maitland Group ('Ulladulla Mudstone'
= Conjola Formation)

Permian

POLYPORA VIRGA Laseron, 1918;
Crockford, 1941.

Polypora virga Laseron, 1918; Crockford,
1941a, p. 410, Pl. 19, fig. 3.

S.U.P. 1407 Neotype

Railway cutting, 1 mile W of Braxton,
N.S.W.

Maitland Group (*Fenestella* 'Shale' =
Fenestella Zone)

Permian

POLYPORA WOODSI de Koninck, 1877;
Crockford, 1941.

Polypora woodsi de Koninck, 1877;
Crockford, 1941a, p. 414 (*cum syn.*),
Pl. 18, fig. 1; Pl. 19, fig. 1.

S.U.P. 1408 Neotype (Pl. 19, fig. 1)

S.U.P. 1410 Figured specimen (? Pl. 18,
fig. 1)

Por. 66, Par. Gosforth (S.U.P. 1408); Por.
65, Par. Maitland, just E of Farley Rail-
way Station (S.U.P., 1410)

Maitland Group (*Fenestella* 'Shale' =
Fenestella Zone)

Permian

?PROTORETEPORA AMPLA (Lonsdale,
1844); Crockford, 1940.

?*Protoretepora ampla* (Lonsdale, 1844);
Crockford, 1940, p. 406, Pl. 19, fig. 4,

text-fig. 2.

S.U.P. 2400 Mentioned, figured

Bundanoon River Valley, Bundanoon,
N.S.W.

'Upper Marine Series' (Shoalhaven Group)

Permian

PTYLOPORA KONINCKI Crockford,
1947.

Ptylopora konincki Crockford, 1947, p. 39,
Pl. 6, fig. 5, text-fig. 51.

S.U.P. 6441 Holotype (Pl. 6, fig. 5, text-
fig. 51)

Glen William, N.S.W.

'Lower Burindi Series'

S.U.P. 7417 Mentioned specimen

Rouchel Brook, N.S.W.

Marine intercalation near base of 'Lower
Kuttung Series'

Lower Carboniferous

RAMIPORA (RAMIPORALIA) BIFUR-
CATA Crockford, 1947.

Ramipora (Ramiporalia) bifurcata Crock-
ford, 1947, p. 32, Pl. 5, fig. 1, text-figs
37, 38.

S.U.P. 6429 Holotype

Glen William, N.S.W.; Par. Wallarobba,
Co. Durham

'Lower Burindi Series'

Lower Carboniferous

RHOMBOPORA FILIFORMIS Crockford,
1941.

Rhombopora filiformis Crockford, 1941b,
p. 517, Pl. 20, fig. 3.

S.U.P. 1425 Holotype

Warden Head, Ulladulla, N.S.W.

Maitland Group ('Ulladulla Mudstone'
= Conjola Formation)

Permian

SAFFORDOTAXIS MULTINODATA
Wass, 1968.

Saffordotaxis multinodata Wass, 1968, p.
32, Pl. 7, figs 3, 4; Pl. 9, figs 1-4.

S.U.P. 16405-16410 Mentioned and figured

16405 (Pl. 7, fig. 3), 16406 (Pl. 7, fig. 4), 16407 (Pl. 9, fig. 1), 16408 (Pl. 9, fig. 4) 16407 (Pl. 9, fig. 1), 16408 (Pl. 9, fig. 2) 16409 (Pl. 9, fig. 3), 16410 (Pl. 9, fig. 4)

Old Univ. Loc. No. L2575; Bowen Basin, 6 miles S of Cracow and 0.8 miles at 290 degrees from 'Cracow', Qld

Buffel Formation

Permian

SAFFORDOTAXIS ? sp. A Phillips Ross, 1961.

Saffordotaxis ? sp. A Phillips Ross, 1961a, p. 94, Pl. 27, figs 2, 5.

S.U.P. 11439, 11440 Hypotypes

Por. 58, Par. Geurie, 10.5 miles NW of Wellington, N.S.W.

Lower or Middle Devonian

SEMICOSCINIUM VALLATUM Crockford, 1942.

Semicoscinium vallatum Crockford, 1942, p. 109, Pl. 5, fig. 1, text-fig. 1E.

S.U.P. 1440 Holotype (Pl. 5, fig. 1)

S.U.P. 1441 Topotype (text-fig. 1E)

Por. 208, Par. Warroo, Co. Murray, SW of Yass, N.S.W.

Receptaculites Limestone, Taemas Formation, Murrumbidgee Group

Devonian

STENOPORA CONTIGUA Crockford, 1945.

Stenopora contigua Crockford, 1945, p. 14, text-figs 8-10.

S.U.P. 5431 Holotype

Loder's Creek, N of road leading to house, Abbey Green, near Singleton, N.S.W.; at base of cliff section

Maitland Group, 'Muree Stage' (Formation)

Permian

STENOPORA CRINITA Lonsdale, 1845; Crockford, 1945.

Stenopora crinita Lonsdale, 1845; Crockford, 1945, p. 10, text-figs 3, 4.

S.U.P. 430, 5441, 5445-5449, 6400-1
Mentioned sections

Black Head, Gerroa, 5 miles S of Gerringong, S coast of N.S.W.

Westley Park Sandstone

Permian

STENOPORA ETHERIDGEI Crockford, 1945.

Stenopora etheridgei Crockford, 1945, p. 19, Pl. 2, fig. 4, text-figs 14-16.

S.U.P. 5434 Holotype (Pl. 2, fig. 4)

S.U.P. 6402 Topotype (text-figs 14-16)

S.U.P. 5435 Mentioned specimen

Jackson's Hill, Por. 132, Par. Pokolbin, N.S.W. (Holotype); Por. 7, Par. Allandale, where road from Allandale to Rothbury crosses Black Creek, N.S.W. (S.U.P. 5435); Allandale Stage (Formation), in Horizon of Walkom 1913. Precise locality for Topotype not given.

Dalwood Group

Permian

STENOPORA FRONDESCENS Crockford, 1943.

Stenopora frondescens Crockford, 1943, p. 264, Pl. 15, fig. 10, text-fig. 4A-B.

S.U.P. 3401 Holotype

Black Head, Gerroa, 5 miles S of Gerringong, N.S.W.

Westley Park Sandstone

Gerringong Volcanics

Permian

STENOPORA GRACILIS (Dana, 1849); Crockford, 1943.

Stenopora gracilis (Dana, 1849); Crockford, 1943, p. 261 (*cum syn.*), Pl. 15, figs 1-2, text-fig. 5A-C.

S.U.P. 2417 Plastotype

S.U.P. 410 (Pl. 15, fig. 1), 3405 (Pl. 15, fig. 2), 3406, 3407, 3408, (text-figs 5A-C respectively) Figured

Locality uncertain; either Black Head, 5 miles S of Gerringong, N.S.W., or Flagstaff Point, Wollongong, N.S.W.

Westley Park Sandstone
Gerringong Volcanics

Permian

STENOPORA GRACILIS (Dana, 1849);
Wass & Gould, 1968.

Stenopora gracilis (Dana, 1849); Wass &
Gould, 1968, p. 222, text-fig. 4.

S.U.P. 16431-16438 Hypotypes
South Marulan, N.S.W.

Permian

STENOPORA GRANTONENSIS Crock-
ford, 1943.

Stenopora grantonensis Crockford, 1943,
p. 265, Pl. 15, figs 3, 6, text-fig. 1A-C.

S.U.P. 2446 Holotype

Granton quarry, near Hobart, Tasmania
Berriedale Limestone

Permian

STENOPORA HIRSUTA Crockford, 1945.

Stenopora hirsuta Crockford, 1945, p. 17.

S.U.P. 5442, 6419 Mentioned specimens
Collinsvale quarry, near Hobart, Tasmania
(S.U.P. 5442); Rathbone's quarry, 2 miles
upstream from Granton, Tasmania
(S.U.P. 6419)

Berriedale Limestone

Permian

STENOPORA JOHNSTONI Etheridge,
1891; Crockford, 1945.

Stenopora johnstoni, Etheridge, 1891;
Crockford, 1945, p. 20 (*cum syn.*), text-
figs 24, 25.

S.U.P. 5433 Neotype (fig. 25)

S.U.P. 6403 Topotype (fig. 24)

S.U.P. 5432, 5443 Mentioned specimens
(sections)

Marine beds, outcropping along the shore
below the freshwater Porter's Hill Beds,
Porter's Hill, Sandy Bay, Tasmania
(Neotype); Por. 34, Par. Middlehope,
near Eelah Road, crossing N-Coast Rail-
way (S.U.P. 5432); above *Eurydesma*

conglomerate in railway cutting, E of
Allandale Station (S.U.P. 5443).

Permian

STENOPORA NIGRIS (Lonsdale,
partim Etheridge, 1892); Crockford,
1943.

Stenopora nigris (Lonsdale, *partim*
Etheridge, 1892); Crockford, 1943, p.
263 (*cum syn.*), Pl. 15, fig. 7, text-fig.
6A-C.

S.U.P. 2444 Holotype

Black Head, 5 miles S of Gerringong,
N.S.W.

Westley Park 'Tuff' (Sandstone)

Gerringong Volcanics

Permian

STENOPORA PARALLELA Crockford,
1945.

Stenopora parallela Crockford, 1945, p. 19,
text-figs 17-19.

S.U.P. 2437 Holotype

S.U.P. 2438 Mentioned specimen

Huon Rd, Mt Wellington, Tasmania; 1,000
ft a.s.l. (S.U.P. 2437); Mt Wellington of
Strezelecki, Strickland Ave track, 1 mile
W of Cascade, Tasmania (S.U.P. 2438);
shale horizon in the Malbina Formation

Permian

STENOPORA PUSTULOSA Crockford,
1945.

Stenopora pustulosa Crockford, 1945, p.
16, Pl. 2, figs 2, 3, text-figs 22, 23.

S.U.P. 5436 Holotype (Pl. 2, fig. 3)

S.U.P. 5437 Topotype (Pl. 2, fig. 2)

Rathbone's quarry, 2 miles upstream from
Granton, near Hobart, Tasmania

S.U.P. 5438 Mentioned (sections)

Collinsvale quarry, near Hobart, Tasmania.

S.U.P. 5439 Mentioned

Telosa Road, Glenorchy, near Hobart, Tas-
mania

S.U.P. 5440 Mentioned (section)

Newtown, near Hobart, Tasmania

Permian

S.U.P. 2426 Mentioned (section)

Huon Rd, Mt Wellington, 1,000 ft a.s.l.,
Tasmania

Berriedale Limestone

Permian

STENOPORA RUGOSA Crockford, 1945.

Stenopora rugosa Crockford, 1945, p. 14,
Pl. 2, fig. 1, text-figs 5-7.

S.U.P. 414 Holotype

1 mile W of Branxton, in railway cutting;
Hunter Valley, N.S.W.

Maitland Group (*Fenestella* 'Shale' =
Fenestella Zone)

Permian

STENOPORA SPICULATA Crockford,
1945.

Stenopora spiculata Crockford, 1945, p.
13, Pl. 3, fig. 4, text-figs 1-2.

S.U.P. 5422

Por. 34, Par. Middlehope, near Eelah Rd,
crossing the North Coast Railway,
N.S.W.

Dalwood Group (Allandale 'Stage'
(Formation))

Permian

STENOPORA TASMANIENSIS Lonsdale,
1844; Wass, 1968.

Stenopora tasmaniensis Lonsdale, 1844;
Wass, 1968, p. 23, Pl. 4, figs 1, 2.

S.U.P. 16403, 16404 Mentioned and figured
16403 (Pl. 4, fig. 1), 16404 (Pl. 4, fig.
2)

Old Univ. Loc. No. L2580, Bowan Basin,
W of Cracow, on a ridge immediately
W of Orange Creek, crossing of Theo-
dore road, Queensland

Oxtrack Formation

Permian

STEREOTOECHUS SHEARSBYI (Crock-
ford, 1942); Phillips Ross, 1961.

Stereotoechus shearsbyi (Crockford, 1942);

Phillips Ross, 1961a, p. 54 (*cum syn.*),
Pl. 13, figs 1, 3, 5, text-fig. 8.

S.U.P. 1439 Holotype (Pl. 13, figs 1, 3, 5)

S.U.P. 2416 Figured section (text-fig. 8)

Por. 229, Par. Warroo, Co. Murray, near
road, about 200 yards N of Old Taemas
Bridge; Murrumbidgee River, N.S.W.

Murrumbidgee Group

?Middle Devonian

STICTOPORA BELUBULENSIS

Phillips Ross, 1961.

Stictopora belubulensis Phillips Ross, 1961a,
p. 77, Pl. 21, figs 2, 3, 5, 9.

S.U.P. 9234 Holotype (Pl. 21, fig. 3)

S.U.P. 9241 Hypotype (Pl. 21, fig. 5)

S.U.P. 9252 Hypotype (Pl. 21, fig. 2)

S.U.P. 9261 Paratype mentioned on pp.
77-78

S.U.P. 11408 Paratype (Pl. 21, fig. 9)

SE corner of Large Flat, 50 ft above the
base of the shale and limestone; Cliefden
Caves Limestone (in a coquina)

Middle Ordovician

STICTOPORA BOWANENSIS Phillips
Ross, 1961.

Stictopora bowanensis Phillips Ross, 1961a,
p. 78, Pl. 22, figs 1-5.

S.U.P. 11409 Holotype (Pl. 22, fig. 4)

S.U.P. 10409 Paratype (fig. 3, Pl. 22)

S.U.P. 11410 Paratype (fig. 2)

S.U.P. 11411 Paratype

S.U.P. 11415 Hypotype (fig. 1)

S.U.P. 10429 Hypotype (fig. 5)

Por. 289, Par. Bowan, 4 miles ESE of
Cudal, Orange district, N.S.W.

Bowan Park Limestone (in a coquina)

Middle to Upper Ordovician

STICTOPORA QUANDONGENSIS

Phillips Ross, 1961.

Stictopora quandongensis Phillips Ross,
1961a, p. 80, Pl. 23, figs 2, 5, 6, 8.

S.U.P. 10401 Holotype (fig. 6)

S.U.P. 10449 Paratype (fig. 8)

S.U.P. 11407 Paratype (fig. 2)

S.U.P. 11416 Paratype

S.U.P. 11431 Topotype (fig. 5)
S.U.P. 11412-11414 Topotypes Mentioned
Por. 289, Par. Bowan, 4 miles ESE of
Cudal, N.S.W.
Bowan Park Limestone
Middle to Upper Ordovician

STICTOPORA sp. A Phillips Ross, 1961.
Stictopora sp. A Phillips Ross, 1961a, p.
83, Pl. 24, fig. 8.
S.U.P. 11404 Hypotype
Reedy Creek, E of Molong, N.S.W.
Reedy Creek Limestone, in a bioclastic
calcarenite
Middle to Upper Ordovician

STICTOPORA sp. B Phillips Ross, 1961.
Stictopora sp. B. Phillips Ross, 1961a, p.
83, Pl. 23, figs 3, 4.
S.U.P. 9384 and 11420 Hypotypes (fig. 3
and fig. 4 respectively)
3 miles SE of Cargo, N.S.W.
At base of Regan's Creek Limestone, in
bioclastic calcarenite
Middle to Upper Ordovician

STICTOPORA sp. C Phillips Ross, 1961.
Stictopora sp. C Phillips Ross, 1961a, p. 84,
Pl. 23, fig. 1, Pl. 24, figs 4-7.
S.U.P. 10400 Mentioned and figured (Pl.
23, fig. 1 and Pl. 24, figs 4-7)
S.U.P. 10419 Mentioned
Por. 289, Par. Bowan, Bowan Park area,
N.S.W.
Bowan Park Limestone
Middle to Upper Ordovician

STICTOPORA sp. D Phillips Ross, 1961.
Stictopora sp. D Phillips Ross, 1961a, p.
84, Pl. 24, fig. 2.
S.U.P. 10408 Mentioned and figured section
Por. 36, Par. Bowan, Bowan Park area,
N.S.W.
Bowan Park Limestone
Middle to Upper Ordovician

STICTOPORA sp. E Phillips Ross, 1961.
Stictopora sp. E Phillips Ross, 1961a, Pl.
23, fig. 7.
S.U.P. 11433 Figured specimen
Par. Bowan, Bowan Park area, N.S.W.
Bowan Park Limestone
Middle to Upper Ordovician

STREBLOTRYPA PARALLELA Crock-
ford, 1947.
Streblotrypa parallela Crockford, 1947, p.
42, Pl. 4, fig. 3, text-figs 24, 25.
S.U.P. 7400 Holotype (Pl. 4, fig. 3, text-
figs 24, 25)
S.U.P. 6437, 7416 Mentioned specimens
Hilldale, N.S.W. (Holotype); Glen
Williams, N.S.W. (S.U.P. 6437);
Rouchel Brook, N.S.W. (S.U.P. 7416)
'Lower Burindi Series' (S.U.P. 7400 and
6437);
'Lower Kuttung Series' (S.U.P. 7416)
Lower Carboniferous

STREBLOTRYPA sp. indet. Crockford,
1947.
Streblotrypa sp. indet. Crockford, 1947,
p. 22, text-fig. 23.
S.U.P. 6448B
Old Cannindah Homestead, near Monto,
Qld
'Crinoidal Limestone' in Baywulla
Formation
Lower Carboniferous

BRACHIOPODA

ALICONCHIDIUM YASSI St Joseph,
1942.
Aliconchidium yassi St Joseph, 1942, p.
247
S.U.P. 6534a Holotype
S.U.P. 6534, 6534 b-c Paratypes
Yass district, N.S.W.
Hume Group
Silurian

AMBOCOELIA PRAECOX DORSIPLI-
CATA Savage, 1969.

Ambocoelia praecox dorsiplicata Savage, 1969, p. 478, Pl. 90, figs 1-21.

S.U.P. 16609 Holotype

S.U.P. 16610, 16612, 16614-15, 22668

Paratypes

Manildra, N.S.W.

Mandagery Park Formation

Lower Devonian

AUSTRALIRHYNCHIA CUDALENSIS

Savage, 1968.

Australirhynchia cudalensis Savage, 1968, p. 732, Pl. 141, figs 1-25.

S.U.P. 19578 Holotype (Pl. 141, figs 5-9)

S.U.P. 19576-19577, 19579-19581, 19584-19585 Paratypes (Pl. 141, figs 1-4, 10-25)

3 miles S of Manildra, N.S.W.

Lower Devonian

BORNHARDITINA COULTERI Brown, 1943.

Bornhardtina coulteri Brown, 1943, p. 126, Pl. 4, fig. 7; Pl. 5, figs 1-5.

S.U.P. 7569 Mentioned and figured

Por. 115, Par. Burdekin, 4 miles N of Attunga, N.S.W.

Moore Creek Limestone (100 ft above base)

Upper Devonian

CYRINA PRAECEDENS Kozłowski, 1929; Savage, 1969.

Cyrina praecedens Kozłowski, 1929; Savage, 1969, p. 483, Pl. 92.

S.U.P. 16624-36, 22669 Mentioned and figured

S.U.P. 16639 Mentioned

Manildra, N.S.W.

Mandagery Park Formation

Lower Devonian

CYRTOSPIRIFER DISJUNCTUS

(Sowerby, 1849); Brown, 1930.

Cyrtospirifer disjunctus (Sowerby, 1849); Brown, 1930, p. 155, Pl. 2, figs 1-5.

S.U.P. 11586, 11587, 11589 Mentioned and figured

0.5 miles S of Coondella Trig. Station, 10.5 miles WSW of Moruya, N.S.W.

Upper Devonian

CYRTOSPIRIFER GNEUDNAENSIS

Glenister, 1955; Mackay, 1964.

Cyrtospirifer gneudnaensis Glenister, 1955; Mackay, 1964, p. 86, Pl. 1, figs 10, 11.

S.U.P. 13560 Mentioned and figured specimens

Wallerawang 1: 63,360 military map, grid ref. 001650

Lambie Group

Devonian

CYRTOSPIRIFER INERMIS (Hall, 1843); Greiner, 1957; Mackay, 1964.

Cyrtospirifer inermis (Hall, 1843); Greiner, 1957; Mackay, 1964, p. 85 (*cum syn.*), Pl. 1, figs 1-5.

S.U.P. 13558, 13559, 13580 Mentioned and figured (Pl. 1, figs 1, 2: S.U.P. 13558)

Wallerawang 1: 63,360 military map, grid ref. 001650

Lambie Group

Devonian

S.U.P. 13550 (Pl. 1, fig. 5), 13551, 13554, 13555, 13556, 13557, 13561, 13564 (Pl. 1, fig. 4), 13568, 13569, 13570, (Pl. 1, fig. 3) 13571, 13572, 13574, 13579, 13581. Mentioned and figured

Bathurst 1: 63,360 military map, grid. ref. 973630

Lambie Group

Devonian

CYRTOSPIRIFER OLEANENSIS

Greiner, 1957; Mackay, 1964.

Cyrtospirifer oleanensis Greiner, 1957; Mackay, 1964, p. 85, Pl. 1, figs 6-9.

S.U.P. 13552, 13562 (Pl. 1, fig. 9), 13563 (Pl. 1, figs 6, 7), 13565 (Pl. 1, fig. 8), 13566 Mentioned and figured

Wallerawang 1: 63,360 military map, grid. ref. 001650

Lambie Group

Devonian

S.U.P. 13555 Mentioned specimen

Bathurst 1 : 63,360 military map, grid. ref.
973630

Lambie Group

Devonian

FLETCHERITHYRIS AMYGDALA

(Dana); Campbell, 1965.

Fletcherithyris amygdala (Dana); Campbell 1965, p. 32.

S.U.P. 19480-19490 Mentioned

From a shaft ca. 150 yards on the Maitland side of the Font Hill Shaft, near Maitland, Hunter Valley, N.S.W.

Lower part of Braxton Subgroup (probably) of the Maitland Group

Upper Permian

FLETCHERITHYRIS cf. AMYGDALA
(Dana, 1847); Wass & Gould, 1968.

Fletcherithyris cf. amygdala (Dana, 1847); Wass & Gould, 1968, p. 221, Pl. 15, figs 7, 11.

S.U.P. 25557-25558 Hypotypes

South Marulan, N.S.W.

Permian

FLETCHERITHYRIS FARLEYENSIS
Campbell, 1965

Fletcherithyris farleyensis Campbell, 1965, p. 33, Pl. 6. figs 1, 2, 3, 6, 10.

S.U.P. 19457 Paratype (Pl. 6, fig. 2) (p. 34)

S.U.P. 19463 Paratype (Pl. 6, figs 6, 10) } Mentioned & figured

S.U.P. 19478 Paratype (Pl. 6, figs 1, 3)

S.U.P. 19455, 19456 Paratypes (p. 33)

S.U.P. 19458-19462 Paratypes (p. 33)

S.U.P. 19464-19477 Paratypes (p. 33) } Mentioned

S.U.P. 19479 Paratype (p. 33)

Farley, near Maitland, Hunter Valley, N.S.W.

Farley Formation, Dalwood Group

Lower Permian

GILLEDIA sp. cf. G. HOMEVALENSIS
Campbell, 1965.

Gilledia sp. cf. *G. homevalensis* Campbell, 1965, p. 74, Pl. 1, figs 1-4.

S.U.P. 19491 Mentioned (p. 79), figured (Pl. 1, figs 1-4)

Farley, near Maitland, Hunter Valley, N.S.W.

Farley Formation, Dalwood Group

Lower Permian

HOWELLELLA NUCULA AUSTRALIS
Savage, 1969.

Hewellella nucula australis Savage, 1969, p. 480, Pl. 91.

S.U.P. 16603 Holotype

S.U.P. 16599-16602, 16604-16608 Paratypes

Manildra, N.S.W.

Mandagery Park Formation

Lower Devonian

NOTOSPIRIFER cf. MINUTUS Campbell, 1960; Wass & Gould, 1968.

Notospirifer cf. minutus Campbell, 1960; Wass & Gould, 1968, p. 221, Pl. 15, figs 1-5.

S.U.P. 25544, 25549-52, 25555, 25560-61, 25565, 25572-73, 25576 Hypotypes

South Marulan, N.S.W.

Permian

PLANICARDINIA CARROLI Savage, 1968.

Planicardinia carrolis Savage, 1968, p. 629, Pl. 122.

S.U.P. 19541-44, 22665-67 Paratypes

Manildra, N.S.W.

Mandagery Park Formation

Lower Devonian

PRORETICULARIA BEDDIEI Savage,
1969.

Proreticularia beddiei Savage, 1969, p. 475,
Pl. 90, figs 22-38.

S.U.P. 16620 Holotype

S.U.P. 16617, 16621-23 Paratypes

Manildra, N.S.W.

Mandagery Park Formation

Lower Devonian

**QUADRITHYRIS ROBUSTA MOLONG-
ENSIS** Savage, 1969.

Quadrithyris robusta molongensis Savage,
1969, p. 473, Pl. 89.

S.U.P. 19589 Holotype

S.U.P. 19586-88, 19590-92, 19595, 19597-
98 Paratypes

Manildra, N.S.W.

Mandagery Park Formation

Lower Devonian

**RHYNCHONELLA (PUGNAX) PLEU-
RODON** Phillips, 1841; Dun (in Brown),
1930.

Rhynchonella (Pugnax) pleurodon Phillips
1941; Dun (in Brown), 1930, p. 156,
Pl. 2, figs 6, 7.

S.U.P. 11590, 11591 Mentioned and figured
Clyde Mountain, N.S.W.

Lambie Group

Devonian

STRINGOCEPHALUS BURTINI De-
france, 1825; Brown, 1943.

Stringocephalus burtini Defrance, 1825;
Brown, 1943, p. 122.

S.U.P. 2480 Topotype

Paffrath, 5 miles NE of Cologne, Germany

Middle Devonian

TAENIOTHAERUS SUBQUADRATUS
Morris, 1845; Coleman, 1957.

Taeniothaerus subquadratus Morris, 1845;
Coleman, 1957, p. 87, Pl. 15, fig. 7.

S.U.P. 11571 Mentioned and figured speci-
men

Collinsvale Quarry, near Hobart, Tasmania
?Granton Substage, Cascades Stage, Lower
Marine Series

Permian

TERRAKEA sp. Wass & Gould, 1968.

Terrakea sp. Wass & Gould, 1968, p. 222,
Pl. 14, fig. 19.

S.U.P. 25540, 25545 Hypotypes
South Marulan, N.S.W.

Permian

BIVALVIA

ACTINOPTERELLA FORMOSA

Sherrard, 1959.

Actinopterella formosa Sherrard, 1959, p.
368, Pl. 19, fig. 28.

S.U.P. 8571 Holotype

Yass district, N.S.W. (exact locality and
stratigraphic position unknown)

Silurian

CONOCARDIUM sp. Wass & Gould,
1968.

Conocardium sp. Wass & Gould, 1968, p.
218, Pl. 14, figs 10-14.

S.U.P. 12622 A, B, C Mentioned and
figured

South Marulan, N.S.W.

Permian

CORIMYA? PRIMULA (Hudleston,
1890); Etheridge, 1892; 1902.

Corimya? primula (Hudleston, 1890);
Etheridge, 1892; 1902, p. 38, Pl. 3, figs
8, 9.

S.U.M. 142 Mentioned, figured

Mt Stuart Run, Co. Tongowoko, north-
western N.S.W.

Lower Cretaceous

ELIMATA PRIMA Wass & Gould, 1968.

Elimata prima Wass & Gould, 1968, p.
220, Pl. 14, figs 6-9.

S.U.P. 12607 Holotype

S.U.P. 12606, 12608, 12609 Hypotypes

From northern section of Permian sediments
at grid ref. 70493024

Wollongong 1: 250,000 Geol. Series Sheet
SI 56-9: ca. 1 mile SW of South Marulan

Permian

EURYDESMA HOBARTENSE Johnston;
Browne & Dun, 1924.

Eurydesma hobartense Johnston; Browne
& Dun, 1924, p. 206.

S.U.P. 610 (Mentioned, without cat. no.)

S of Winders Hill, Hunter Valley

Lochinvar Formation, Dalwood Group

Lower Permian (Sakmarian)

GRAMMYSIA COMPRESSA Sherrard,
1959.

Grammysia compressa Sherrard, 1959, p.
362, Pl. 19, fig. 3.

S.U.P. 8572 Holotype

Yass district, N.S.W. (exact locality and
stratigraphic position unknown)

Silurian

MACCOYELLA CORBIENSIS (Moore,
1870); Etheridge, 1878, 1902.

Maccoyella corbiensis (Moore, 1870);
Etheridge, 1878, 1902, p. 21, Pl. 1, figs
6-10.

S.U.M. 143 Mentioned, figured

Mt Stuart Run, Co. Tongowoko, north-
western N.S.W.

Lower Cretaceous

MACCOYELLA REFLECTA (Moore,
1870); Etheridge, 1878; 1902.

Maccoyella reflecta (Moore, 1870);
Etheridge, 1878; 1902, p. 18, Pl. 1, figs
1-5; Pl. 2, figs 1-2; Pl. 3, figs 1-3; Pl. 4,
fig. 2.

S.U.M. 144 Mentioned and figured

Mt Stuart Run, Co. Tongowoko, north-
western N.S.W.

Lower Cretaceous

MALLETIA ELONGATA (Etheridge,
1872); Etheridge, 1902.

Malletia elongata (Etheridge, 1872);
Etheridge, 1902, p. 25, Pl. 2, figs 6-8.

S.U.M. 145 Mentioned, figured

Dunlop Holding, Darling River, north-
western N.S.W.

Lower Cretaceous

OXYTOMA DECEMCOSTATA White-
house, 1924.

Oxytoma decemcostata Whitehouse, 1924,
p. 3 (*cum syn.*), Pl. 1, fig. 3.

S.U.P. 10604 Holotype

19 miles E of Geraldton, W.A.

Jurassic

**PECTEN (SYNCYCLONEMA?) SOCI-
ALIS** (Moore, 1870); Etheridge, 1892;
1902.

Pecten (Syncyclonema?) socialis (Moore,
1870); Etheridge, 1892; 1902, p. 14
(*cum syn.*).

S.U.M. 146 Mentioned

Mt Stuart Run, Co. Tongowoko, north-
western N.S.W.

Lower Cretaceous

PECTEN PSILA

See *P. (Syncyclonema) socialis*.

PSEUDAVICULA ANOMALA (Moore,
1870); Etheridge, 1892; 1902.

Pseudavicula anomala (Moore, 1870);
Etheridge, 1892; 1902, p. 15, Pl. 7, fig.
11, Pl. 10, fig. 4.

S.U.M. 147 Mentioned, figured

Mt Stuart Run, Co. Tongowoko, north-
western N.S.W.

Lower Cretaceous

PSEUDOMONOTIS cf. ECHINATA
Sowerby, 1821; Whitehouse, 1924.

Pseudomonotis cf. *echinata* Sowerby, 1821;
Whitehouse, 1924, p. 2, Pl. 1, figs 2a, b,
c.

S.U.P. 10605 Figured specimens

19 miles E of Geraldton, W. A.

Jurassic

RHOMBOPTERIA LAMINOSA (de Koninck, 1898); Sherrard, 1959.

Rhombopteria laminosa (de Koninck, 1898); Sherrard, 1959, p. 366 (*cum syn.*), Pl. 19, fig. 7.

S.U.P. 8570 Mentioned and figured
Yass district, N.S.W. (exact locality and stratigraphic position not known)

Silurian

STUTCHBURIA COSTATA (Morris, 1845); Wass & Gould, 1968.

Stutchburia costata (Morris, 1845); Wass & Gould, 1968, p. 219, Pl. 14, figs 1-5.
S.U.P. 12610-12615 (12615 A, B, C);
23573 A, B, C. Mentioned and figured
South Marulan, N.S.W.

Permian

SYNCYCLONEMA SOCIALIS

See *Pecten* (*Synsyclonema*) *socialis*.

TANCREDIOPSIS VICTORIAE (Chapman, 1908); Sherrard, 1959.

Tancrediopsis victoriae (Chapman, 1908);
Sherrard, 1959, p. 364 (*cum syn.*), Pl.
19, fig. 7.

S.U.P. 8573 Mentioned and figured
Yass district, N.S.W. (exact locality and stratigraphic position not known)

Silurian

TRIGONIA MOOREI Lycett, 1870;
Whitehouse, 1924.

Trigonia moorei Lycett, 1870; Whitehouse,
1924, p. 4, text-fig. 2 (*cum syn.*).

S.U.P. 1573, 1574 Mentioned and figured
19 miles E of Geraldton, W.A.

Jurassic

TRIGONIA MOOREI var. Whitehouse,
1924.

Trigonia moorei var. Whitehouse, 1924, p.
6, text-fig. 3.

S.U.P. 1572

19 miles E of Geraldton, W.A.

Jurassic

TRIGONIA NASUTA Etheridge, 1872;
1902.

Trigonia nasuta Etheridge, 1872; 1902, p.
25, Pl. 5, figs 1-3.

S.U.M. 149 (= S.U.P. 7606) Mentioned,
figured

Mt Stuart Run, Grey Range, Co. Tongowoko, north-west N.S.W.

Lower Cretaceous

CEPHALOPODA

AUSTRALICERAS IRREGULARE
(Tenison Woods, 1882); Whitehouse,
1924.

Australiceras irregulare (Tenison Woods,
1882); Whitehouse, 1924, p. 210 (*cum syn.*), Pl. 8, fig. 2.

S.U.P. 7889 Holotype (*partim*)

Palmer River, Qld (exact locality and stratigraphic position not known)

Lower Cretaceous (Aptian)

BELEMNITES OXYS (Tate, 1879);
Tenison Woods, 1883; Etheridge, fil.,
1902.

Belemnites oxys (Tate, 1879); Tenison
Woods, 1883; Etheridge, fil., 1902, p.
48, Pl. 6, figs 4-6; Pl. 7, figs 5-7; Pl. 8,
figs 4-6, 7.

S.U.M. 141 Mentioned, figured

Mt Stuart Run, Co. Tongowoko, north-western N.S.W.

Lower Cretaceous

BELEMNOPSIS sp. Whitehouse, 1924.

Belemnopsis sp. Whitehouse, 1924, p. 9,
Pl. 2, figs 8-15, text-figs 10-11.

S.U.P. 10800

19 miles E of Geraldton, W.A.

Jurassic

CHEILO CERAS (CHEILO CERAS)

ACUTUM (Münster); Jenkins, 1966.

Cheiloceras (Cheiloceras) acutum (Münster); Jenkins, 1966, p. 459, text-fig. 3
(a-g); Pl. 72, figs 4-6 (*cum syn.*).

S.U.P. 6870 (Pl. 72, figs 4-6, text-figs 3a-e) }
 S.U.P. 6871 (text-fig. 3f) } Mentioned
 S.U.P. 6872 (text-fig. 3g) } and
 } figured
 Water Cress Gully, 1.9 miles W of Keepit Dam, on the Manilla (Namoi) River, between Tamworth and Gunnedah, in northern N.S.W.
 In shaly volcanic tuff, ?equivalent of Baldwin Formation

Upper Devonian

GENUCLYMENIA KEEPITENSIS

Jenkins, 1968.

Genuclymenia keepitensis Jenkins, 1968, p. 536, Pl. 104, figs 1-4, text-fig. 1g, h.

S.U.P. 6827 Holotype

S.U.P. 6829, 6830 Paratypes

Basal portion of Mandowa Mudstone in Spring Gully at a point 3.13 miles N 24° W of Keepit Dam; 1 mile W 27° S of Gartmore H.S.

Upper Devonian

IMITOCERAS aff. ROTATORIUM (de Koninck); Delepine, 1941.

Imitoceras aff. *rotatorium* (de Koninck); Delepine, 1941, p. 390, Pl. 5, figs 7, 8.

See also under *Prionoceras* (*Imitoceras*) *werriense* Campbell & Engel, 1963, p. 84, in the U.N.E. list.

The specimen Delepine, 1941 (hypotype) is now housed in the Australian Museum, F. 39767.

METALEGOCERAS JACKSONI

(Etheridge, 1907); Dun & David, 1922.

Metalegoceras jacksoni (Etheridge, 1907); Dun & David, 1922, p. 249, Pls 11-13.

S.U.P. 1849 Mentioned, figured

Irwin River Coalfield, northwestern part of W.A.

Fossil Cliff beds?

Permian

MUENSTEROCERAS cf. OWENI (Hall); Campbell & Engel, 1963.

Muensteroceras cf. *oweni* (Hall); Campbell & Engel, 1963, p. 87, Pl. 5, figs 1-5.

S.U.P. 7865 Mentioned and figured (Pl. 5, figs 1-2)

S.U.P. 7868 Mentioned and figured (Pl. 5, figs 3-5)

Rangari Limestone; 1 mile NW of Croydon Homestead

Lower Carboniferous (Tournaisian)

MUENSTEROCERAS sp. Delepine, 1941.

Muensteroceras sp. Delepine, 1941, is now housed in the Australian Museum, F. 39768.

NAUTELLIPSITES (?) sp. Delepine, 1941.

Nautellipsites (?) sp. Delepine, 1941, is now housed in the Australian Museum, F. 39769.

OTOITES (?TRILOBITICERAS) DEPRESSUS Whitehouse, 1924; Arkell, 1954.

Otoites (?*Trilobiticeras*) *depressus* Whitehouse, 1924, p. 6, Pl. 1, figs 4-6, text-fig. 4a-b; Arkell (in Arkell & Playford) 1954, p. 570 (*cum syn.*).

S.U.P. 830 Holotype (Pl. 1, fig. 4)

S.U.P. 833, 834 Fragments (Pl. 1, figs 5 and 6 respectively)

19 miles E of Geraldton, W.A.

Jurassic

PLATYCLYMENIA (PLATYCLYMENIA) ANNULATA ANNULATA (Münster, 1832); Jenkins, 1968.

Platyclymenia (*Platyclymenia*) *annulata* (Münster, 1832); Jenkins, 1968, p. 539, Pl. 104, figs 5, 6.

S.U.P. 6834 Internal moulds of mentioned, figured specimens

S.U.P. 6836 Internal moulds of mentioned, figured specimens

Spring Gully, at a point 3.13 miles N 24° W of Keepit Dam, 1 mile W 27° S of Gartmore H.S.

Mandowa Mudstone (basal portion)

Upper Devonian

**PLATYCLYMENIA (PLATYCLY-
MENIA) ANNULATA DENSICOSTA**
Frech, 1902; Jenkins, 1968.

Platyclymenia (Platyclymenia) annulata densicosta Frech, 1902; Jenkins, 1968, p. 540, Pl. 104, figs 7, 8.

S.U.P. 6837, 6880 Mentioned, figured
Spring Gully, at a point 3.13 miles N 24°
W of Keepit Dam, 1 mile W 27° S of
Gartmore H.S.

Mandowa Mudstone (basal portion)

Upper Devonian

**PLATYCLYMENIA (PLATYCLY-
MENIA) TEICHERTI** Jenkins, 1968.

Platyclymenia (Platyclymenia) teichertii
Jenkins, 1968, p. 541, Pl. 104, figs 9-13;
Pl. 105, figs 1-4; text-fig. 2a-j.

S.U.P. 6839, 6890, 6891 Syntypes

S.U.P. 6843, 6846, 6850, 6851, 6860,
6862, 6892 Mentioned

Spring Gully, at a point 3.13 miles N 24°
W of Keepit Dam, 1 mile W 27° S of
Gartmore H.S.

Mandowa Mudstone (basal portion)

Upper Devonian

**PLATYCLYMENIA (PLATYCLY-
MENIA) ALTERNA** Jenkins, 1968.

Platyclymenia (Platyclymenia) alterna
Jenkins, 1968, p. 543, Pl. 105, figs 8-11.

S.U.P. 6838 Holotype

S.U.P. 6835, 6881 Mentioned

Spring Gully, at a point 3.13 miles N 24°
W of Keepit Dam, 1 mile W of 27° S of
Gartmore H.S.

Mandowa Mudstone (basal portion)

Upper Devonian

PROTOCANITES LYONI (Meek &
Worthen, 1860); Campbell & Engel,
1963.

Protocanites lyoni (Meek & Worthen,
1860); Campbell & Engel, 1963, p. 79.

S.U.P. 7876 Mentioned

Other specimens (hypotypes) are now
housed in the Australian Museum, F.
39763, 39764, 39765

1 mile NW of Croydon Homestead
Rangari Limestone

Lower Carboniferous (Tournaisian)

PROTOCANITES AUSTRALIS Delepine,
1941; Campbell & Engel, 1963.

Protocanites australis Delepine, 1941;
Campbell & Engel, 1963, p. 81, Pl. 5,
fig. 13.

S.U.P. 7861 Mentioned (Holotype is now
in the Australian Museum, F.39766)

S.U.P. 7863 Mentioned and figured (Pl. 5,
fig. 13)

1 mile NW of Croydon Homestead
Rangari Limestone

Lower Carboniferous (Tournaisian)

PROTOCANITES sp. Campbell & Engel,
1963.

Protocanites sp. Campbell & Engel, 1963,
p. 59.

S.U.P. 7869 Mentioned

Namoi Formation

From a gully 4 miles N of Keepit Dam, on
a horizon about 1,500 feet above the
Tulcumba Sandstone

Lower Carboniferous (Tournaisian)

**PSEUDOGASTRIOCERAS POKOL-
BIENSE** Teichert, 1953.

Pseudogastrioceras pokolbiense Teichert,
1953; p. 48, Pl. 7, figs 1-4.

S.U.P. 866 Holotype

S.U.P. 867 Paratype

Por. 74, Par. Pokolbin, Hunter Valley,
N.S.W.

Farley Formation, Dalwood Group

Permian

RECTOCLYMENIA ? sp. Jenkins, 1968.

Rectoclymenia ? sp. Jenkins, 1968, p. 544,
Pl. 105, figs 15-18.

S.U.P. 6853, 6864, 6865, 6899 Mentioned
and figured

Spring Gully, at a point 3.13 miles N 24° W of Keepit Dam; 1 mile W 27° S of Gartmore H.S.

Mandowa Mudstone (basal portion)

Upper Devonian

SONNINIA spp. Whitehouse, 1924.

Sonninia spp. Whitehouse, 1924, p. 8, text-figs 6-9.

S.U.P. 10802 Mentioned and figured 19 miles E of Geraldton, W.A.

Jurassic

SPORADOCERAS CONTIGUUM (Münster, 1832); David, 1950.

Sporadoceras contiguum (Münster, 1832); David (Browne ed.), 1950, p. 258, Pl. 25a.

S.U.P. 874 Figured

Mt Pierre, Kimberley district, W.A.

Upper Devonian

SPORADOCERAS INFLEXUM Wedekind, 1908; Jenkins, 1968.

Sporadoceras inflexum Wedekind, 1908; Jenkins, 1968, p. 545, Pl. 105, figs 12-14; text-fig. 3a, b.

S.U.P. 6866 Mentioned and figured

Spring Gully, at a point 3.13 miles N 24° W of Keepit Dam; 1 mile W 27° S of Gartmore H.S.

Mandowa Mudstone (basal portion)

Upper Devonian

SPORADOCERAS sp. cf. **S. ROTUNDUM** Wedekind, 1908; Jenkins, 1968.

Sporadoceras sp. cf. *S. rotundum* Wedekind, 1908; Jenkins, 1968, p. 546, Pl. 105, figs 5-7; text-fig. 3c.

S.U.P. 6831, 6832 Mentioned and figured Spring Gully, at a point 3.13 miles N 24° W of Keepit Dam; 1 mile W 27° S of Gartmore H.S.

Mandowa Mudstone

Upper Devonian

ARTHROPODA

ANASPIDES? ANTIQUUS Chilton, 1929.

Anaspides? antiquus Chilton, 1928, p. 368, Pl. 30.

S.U.P. 7903 Holotype

Brookvale quarry, Sydney, N.S.W.

Hawkesbury Sandstone (in a shale lens)

Middle Triassic

CALYMENE sp. nov. ? Strusz, 1964.

Calymene sp. nov.? Strusz, 1964, p. 95, Pl. 1, fig. 6.

S.U.P. 6930 Holotype

Mousehole Creek, Por. 221, Par. Boree Cabonne; Co. Ashburnham, Wellington district, N.S.W.

Garra Formation

Lower and Middle Devonian

CHEIRURUS (CROTALOCEPHALUS) PACKHAMI Strusz, 1964.

Cheirurus (Crotalocephalus) packhami Strusz, 1964, p. 93, Pl. 1, fig. 7, text-fig. 2.

S.U.P. 6901 Holotype

N bank of Nora Creek, SE corner of Por. 191, Par. The Gap; Wellington district, N.S.W.

Garra Formation

Lower and Middle Devonian

DENCKMANNITES RUTHERFORDI Sherwin, 1968.

Denckmannites rutherfordi Sherwin, 1968, p. 692, Pl. 133.

S.U.P. 8927 Holotype (Pl. 133)

S.U.P. 8929, 8934 Paratypes

Por. 216, Par. Boree Nyran, Co. Ashburnham, 18 miles W of Orange, N.S.W.

Wallace Shale

Silurian

GRAVICALYMENE AUSTRALIS

Etheridge fil. & Mitchell, 1917; Strusz, 1964.

Gravicalymene australis Etheridge fil. & Mitchell, 1917; Strusz, 1964, p. 94, Pl. 1, figs 5a, b.

S.U.P. 6933, 6941-6949, 7900-7902, 6940, 6938 Mentioned and figured (Pl. 1, fig. 5: S.U.P. 6941)

Mountain Waterhole Creek, Par. Curra, W of road, Wellington Molong district, N.S.W. (S.U.P. 6933, 6941-6949, 7900-7902); Loombah Creek, Por. 35, Par. Catombal, Wellington-Molong district, N.S.W. (S.U.P. 6940); Gully, Por. 45, Par. Catombal, Wellington-Molong district (S.U.P. 6938)

Garra Formation

Lower and Middle Devonian

LEONASPIS sp. indet. Strusz, 1964.

Leonaspis sp. indet. Strusz, 1964, p. 96, Pl. 1, figs 3, 4.

S.U.P. 6931, 6939 Mentioned and figured Por. 4, Par. Boree Nyranng, Co. Ashburnham, N.S.W. (S.U.P. 6931); S boundary of Por. 64, Par. Catombal, Co. Gordon, N.S.W. (S.U.P. 6939)

Garra Formation

Lower and Middle Devonian

OTARION MUNROEI Strusz, 1964.

Otarion munroei Strusz, 1964, p. 92, Pl. 1, figs 2a-c, text-fig. 1.

S.U.P. 6934 Holotype (Pl. 1, figs 2a-c)

S.U.P. 6935, 6936, 6937 Paratypes

From Gully, Por. 45, Par. Catombal, Co. Gordon, 30 yards E of Por. 38, Wellington district, N.S.W.

Garra Formation

Lower and Middle Devonian

PERMOCHORISTA INAEQUALIS Tillyard, 1926.

Permochorista inaequalis Tillyard, 1926, p. 272, text-fig. 7.

S.U.P. 2935 Holotype

Belmont, N.S.W. (Stratigraphic position unknown)

Permian

SCUTELLUM (SCUTELLUM) sp. indet. Strusz, 1964.

Scutellum (Scutellum) sp. indet. Strusz, 1964, p. 92, Pl. 1, fig. 1.

S.U.P. 6932 Mentioned and figured

From road, at junction of Pors 81, 104 and 105, Par. Brymedura, Co. Ashburnham, Wellington-Molong district, N.S.W.

Garra Formation

Lower and Middle Devonian

ECHINODERMATA

ASTROCYSTITES DISTANS Webby, 1968.

Astrocystites distans Webby, 1968a, p. 515, Pls 99-100, text-figs 1-5.

S.U.P. 2302 Holotype

S.U.P. 2303, 2309, 2304-6, 2310-14, 2308, 3303 Paratypes

S.U.P. 2307, 2315-16, 3300-3302 (Miscellaneous pelmatozoan plates)

0.25 miles ESE of the entrance to Cliefden Caves, except S.U.P. 3303 which is from the vicinity of Little Boonderoo

Lower part of Cliefden Caves Limestone

Ordovician

AUSTROCYSTITES BRANAGANI

Brown, 1963.

Austrocystites branagani Brown, 1963, p. 388, Pl. 21, figs A-C, text-figs 1, 2.

S.U.P. 2301 Holotype

0.25 miles S of Yass River, 0.5 miles W of Hatton's Corner, Yass district, N.S.W.

Middle Trilobite Bed, Hume Group

Silurian

CIDARIS sp. Whitehouse, 1924.

Cidaris sp. Whitehouse, 1924, p. 1, Pl. 1, figs a-b.

S.U.P. 11300 Mentioned, figured specimen E of Geraldton (19 miles E of), W.A.

Jurassic

GRAPTOLITHINA

CLIMACOGRAPTUS BICORNIS (Hall, 1847); Moors, 1970.

Climacograptus bicornis (Hall, 1847); Moors, 1970, p. 265, figs 3d, e.

2 specimens mentioned and figured, but without catalogue numbers.

CLIMACOGRAPTUS FUSIFORMIS
Moors, 1970.

Climacograptus fusiformis Moors, 1970, p. 267, fig. 3g-i.

S.U.P. 9664 Holotype (fig. 3g)

S.U.P. 9666 Mentioned and figured (fig. 3h)

Trilobite Hill, Cliefden Caves area, N.S.W.; grid ref.: 845 466 on the Canowindra 1" = 1 Mile military map

At the base of the Mallongulli Formation

Ordovician

CLIMACOGRAPTUS TRIDENTATUS
Lapworth, 1876; Moors, 1970.

Climacograptus tridentatus Lapworth, 1876; Moors, 1970, p. 264, fig. 4a.

S.U.P. 9656 Mentioned and figured

Cliefden Caves area, N.S.W.; grid ref.: 801 421 on the Canowindra 1" = 1 mile military map

At the base of the Mallongulli Formation

Ordovician

CLIMACOGRAPTUS TUBULIFERUS
Lapworth, 1876; Moors, 1970.

Climacograptus tubuliferus Lapworth, 1876; Moors, 1970, p. 268, fig. 3a-c.

S.U.P. 9670, 9672, 9673 Mentioned and figured

Cliefden Caves area, N.S.W.

Mallongulli Formation (lower parts)

Ordovician

CLIMACOGRAPTUS sp. cf. C. SUPER-
NUS Elles & Wood, 1906; Moors, 1970.

Climacograptus sp. cf. *C. supernus* Elles & Wood, 1906; Moors, 1970, p. 266, fig. 3f.

S.U.P. 9657 Mentioned and figured

Cliefden Caves area, N.S.W.; grid ref.: 801 421 on the Canowindra 1" = 1 mile military map

Near the top of the Mallongulli Formation

Ordovician

CYRTOGRAPTUS aff. INSECTUS
Boucek, 1933; Sherrard, 1953.

Cyrtograptus aff. *insectus* Boucek, 1933; Sherrard, 1953, p. 76, text-fig. 1, No. 3.

S.U.P. 11625 Figured

Four Mile Creek, Orange district, N.S.W.
Panuara Formation

Silurian

DICTYONEMA APERTUM Sherrard, 1956.

Dictyonema apertum Sherrard, 1956, p. 83, Pl. 7, fig. 1.

S.U.P. 7125 Holotype

Kerr's Creek Por. 57, Par. Larras Lake, Orange district, N.S.W.

Ordovician

DICTYONEMA FAVOSUM Sherrard, 1956.

Dictyonema favosum Sherrard, 1956, p. 84, Pl. 7, fig. 2.

S.U.P. 7128 Holotype

Quarry Creek, W. of Orange, N.S.W.

Upper Silurian (Lower Ludlow)

DICTYONEMA SALEBROSUM Sherrard, 1956.

Dictyonema salebrosum Sherrard, 1956, p. 83, Pl. 7, fig. 3.

S.U.P. 7126 Holotype

The Bluff, north bank, Belubula River, NW of Cliefden Caves, Mandurama district, N.S.W.

Llandeilian Stage, Zone of *Nemagraptus pertenuis*

Middle Ordovician

DICELLOGRAPTUS ELEGANS Carruthers, 1868; Moors, 1970.

Dicellograptus elegans Carruthers, 1968; Moors, 1970, p. 259, fig. 2d-g.

S.U.P. 9649, 9653 Mentioned and figured
Cliefden Caves area, N.S.W.

At the base of the Mallongulli Formation

Ordovician

DICELLOGRAPTUS MINUTUS Moors, 1970.

Dicellograptus minutus Moors, 1970, p. 261, fig. 2a-c.

S.U.P. 9646 Holotype

S.U.P. 9647, 9648 Paratypes

Cliefden Caves area, N.S.W.; grid ref.: 840 501 on Canowindra 1"-1 mile military map

Angullong Tuff, ca. 200 ft above its base

Ordovician

DICELLOGRAPTUS sp. cf. D. CADUCEUS Lapworth, 1876; Moors, 1970.

Dicellograptus sp. cf. *D. caduceus* Lapworth, 1876; Moors, 1970, p. 261.

No actual specimens with catalogue numbers are referred to.

DICRANOGRAPTUS sp. cf. D. KIRKI Ruedemann, 1947; Moors, 1970.

Dicranograptus sp. cf. *D. kirki* Ruedemann, 1947; Moors, 1970, p. 262, fig. 1e-g.

S.U.P. 9637-9639 Mentioned and figured Trilobite Hill, Cliefden Caves area, N.S.W.; grid ref.: 845 466 on the Canowindra 1" = 1 mile military map

At the base of Mallongulli Formation

Ordovician

DIPLOGRAPTUS INGENS WELLINGTONENSIS Harris & Thomas, 1955; Moors, 1970.

Diplograptus ingens wellingtonensis Harris & Thomas, 1955; Moors, 1970, p. 270, figs 5e-f.

S.U.P. 9659 Mentioned and figured Trilobite Hill, Cliefden Caves area, N.S.W.; grid ref.: 845 466 on the Canowindra 1" = 1 mile military map

At the base of the Mallongulli Formation

Ordovician

GLYPTOGRAPTUS TAMARISCUS

Nicholson, 1872; Sherrard, 1953.

Glyptograptus tamariscus Nicholson; Sherrard, 1953, p. 90, Pl. 11, fig. 19.

S.U.P. 23614 Mentioned and figured

Angullong Property, Por. 112, Par. Carlton, S. of Four-Mile Creek village

Zone of *Monograptus triangulatus*

Lower Silurian

GLYPTOGRAPTUS sp. cf. G. TENUISSIMUS Ross & Berry, 1963; Moors, 1970.

Glyptograptus sp. cf. *G. tenuissimus* Ross & Berry, 1963; Moors, 1970, p. 276, fig. 5a-d.

No actual specimens with catalogue numbers are referred to.

LEPTOGRAPTUS EASTONENSIS Keble & Harris, 1925; Moors, 1970.

Leptograptus eastonensis Keble & Harris, 1925; Moors, 1970, p. 258, fig. 1a-d.

S.U.P. 9628, 9633, 9632 Mentioned and figured

Trilobite Hill, Cliefden Caves area, N.S.W.; grid refs: 841 470 and 845 466 on the Canowindra 1" = 1 mile military map

Mallongulli Formation

Ordovician

MONOGRAPTUS DUBIUS (Suess, 1851); Sherrard, 1953.

Monograptus dubius (Suess, 1851); Sherrard, 1953, p. 76, text-fig. 1, No. 5.

S.U.P. 11616 Figured

Four Mile Creek, Orange district, N.S.W. Panuara Formation

Upper Silurian

MONOGRAPTUS EXIGUUS (Nicholson, 1872); Sherrard, 1953.

Monograptus exiguus (Nicholson, 1872); Sherrard, 1953, p. 76, text-fig. 1, No. 1.

S.U.P. 1617 Figured

Four Mile Creek, Orange district, N.S.W. Panuara Formation

Silurian

MONOGRAPTUS FORMOSUS Boucek, 1931; Packham, 1967.

Monograptus formosus Boucek, 1931; Packham, 1967, p. 218, Pl. 11, figs 4, 7. S.U.P. 23620-23621 Mentioned and figured

S.U.P. 23626-23635 Mentioned

Small shale quarry, 50 yards W of bridge across Derrengullen Creek, 4 miles NW of Yass

Hume Group

Silurian

MONOGRAPTUS INTERMEDIUS (Carruthers); Sherrard, 1953.

Monograptus intermedius (Carruthers); Sherrard, 1953, p. 90, Pl. 11, fig. 21.

S.U.P. 23615 Mentioned and figured

Angullong Property, Por. 112, Par. Carlton, S of Four Mile Creek village

Zone of *Monograptus triangulatus*

Lower Silurian

MONOGRAPTUS MARRI Perner, 1897; Sherrard, 1953.

Monograptus marri Perner, 1897; Sherrard, 1953, p. 76, text-fig. 1, No. 4.

S.U.P. 11618 Figured

Four Mile Creek, Orange district, N.S.W. Panuara Formation

Silurian

MONOGRAPTUS TRIANGULATUS (Harkness); Sherrard, 1953.

Monograptus triangulatus (Harkness); Sherrard, 1953, p. 90, Pl. 11, fig. 22.

S.U.P. 23616 Mentioned and figured

Angullong Property, Por. 112, Par. Carlton, S of Four Mile Creek village

Zone of *Monograptus triangulatus*

Lower Silurian

MONOGRAPTUS sp. cf. M. ULTIMUS Perner, 1899; Packham, 1967.

Monograptus sp. cf. M. ultimus Perner, 1899; Packham, 1967, p. 219, Pl. 11, figs 1-3, 5, 6.

S.U.P. 23622-23625 Mentioned and figured

S.U.P. 23636-23697 Mentioned

Small shale quarry, 50 yards W of bridge across Derrengullen Creek, 4 miles NW of Yass

Hume Group

Silurian

ORTHOGRAPTUS APICULATUS (Elles & Wood, 1907); Moors, 1970.

Orthograptus apiculatus (Elles & Wood, 1907); Moors, 1970, p. 275, figs 4d, e.

S.U.P. 9691 Mentioned and figured

Trilobite Hill, Cliefden Caves area, N.S.W.; grid ref.: 841 470 on the Canowindra 1" = 1 mile military map

At the base of the Mallongulli Formation

Ordovician

ORTHOGRAPTUS CALCARATUS CLAVENSIS Moors, 1970.

Orthograptus calcaratus clavensis Moors, 1970, p. 272, fig. 4f-i.

S.U.P. 9683 Holotype (fig. 4f)

S.U.P. 9684-9687 Mentioned and figured

Cliefden Caves area, N.S.W.; grid. ref.: 840 501 on the Canowindra 1" = 1 mile military map

Angullong Tuff (ca. 1500 feet above its base)

Ordovician

ORTHOGRAPTUS aff. O. PAUPERATUS Elles & Wood, 1907; Moors, 1970.

Orthograptus truncatus aff. *O. pauperatus* Elles & Wood, 1907; Moors, 1970, p. 271, figs 4b, c.

S.U.P. 9680, 9687 Mentioned and figured Trilobite Hill, Cliefden Caves area, N.S.W.; grid ref.: 845 466 on the Canowindra 1" = 1 mile military map

Mallongulli Formation

Ordovician

ORTHOGRAPTUS WHITFIELDI (Hall, 1859); Moors, 1970.

Orthograptus whitfieldi (Hall, 1859); Moors, 1970, p. 274, figs 5i, j.

S.U.P. 9660, 9661 Mentioned and figured (figs 5j and 5i respectively)

Trilobite Hill, Cliefden Caves area, N.S.W.; grid refs.: 841 470, 841 467 and 845 466 on the Canowindra 1" = 1 mile military map

Mallongulli Formation

Ordovician

cf. **ORTHOROTIOLITES HAMI** Whittington, 1954; Moors, 1970.

cf. *Orthorotiolites hami* Whittington, 1954; Moors, 1970, p. 278, figs 5g-h.

No actual specimens with catalogue numbers are referred to.

PTILOGRAPTUS DISCURRENS Sherrard, 1956.

Ptilograptus discurrens Sherrard, 1956, p. 89, Pl. 8, fig. 12.

S.U.P. 7127 Holotype

Quarry Creek, W of Orange, N.S.W.

Lower Silurian (Upper Llandoveryan)

RETICULOGAPTUS UNDULOSUM Sherrard, 1956.

Reticulograptus undulosum Sherrard, 1956, p. 85, Pl. 7, fig. 4; text-fig. 1.

S.U.P. 7129 Holotype

Paling Yards Public School site, W of Orange, N.S.W.

Upper Silurian (Lower Ludlow)

PISCES

BEACONIA SPINOSA Wade, 1935.

Beaconia spinosa Wade, 1935, p. 33, text-fig. 17.

S.U.P. 14 Paratype

S.U.P. 33 Paratype (text-fig. 17)

S.U.P. 105 Paratype

Brookvale, N.S.W.

Hawkesbury Sandstone

Middle Triassic

BELICHTHYS LONGICAUDATUS Wade, 1935.

Belichthys longicaudatus Wade, 1935, p. 10.

S.U.P. 32 Paratype

S.U.P. 156 Paratype

Brookvale, N.S.W.

Hawkesbury Sandstone

Middle Triassic

BELICHTHYS MAGNIDORSALIS Wade, 1935.

Belichthys magnidorsalis Wade, 1935, p. 11, Pl. 2, fig. 4.

S.U.P. 210 Holotype

Brookvale, N.S.W.

Hawkesbury Sandstone

Middle Triassic

BELICHTHYS MINIMUS Wade, 1935.

Belichthys minimus Wade, 1935, p. 7.

S.U.P. 105 Paratype

S.U.P. 152 Paratype

S.U.P. 10951 (=D.S. 13) Paratype

Brookvale, N.S.W.

Hawkesbury Sandstone

Middle Triassic

BROOKVALIA GRACILIS Wade, 1933; 1935.

Brookvalia gracilis Wade, 1933; 1935, p. 21, text-figs 8, 13.

S.U.P. 8 Paratype

S.U.P. 37 Paratype

S.U.P. 317 (=D.S. 15) Paratype

S.U.P. 135 Paratype

S.U.P. 271 Paratype

S.U.P. 21 Figured (text-fig. 13)

Brookvale, N.S.W.

Hawkesbury Sandstone

Middle Triassic

BROOKVALIA PARVISQUAMATA Wade, 1933; 1935.

Brookvalia parvisquamata Wade, 1933; 1935, p. 21, text-fig. 16.

S.U.P. 147 and 191 (fig. 16) Paratype

Brookvale, N.S.W.
Hawkesbury Sandstone

Middle Triassic

BROOKVALIA PROPENNIS Wade, 1933;
1935.

Brookvalia propennis Wade, 1933; 1935,
p. 29, Pl. 4, fig. 2; text-fig. 15.

S.U.P. 203 Holotype
Brookvale, N.S.W.
Hawkesbury Sandstone

Middle Triassic

CERATODUS FORMOSUS Wade, 1935.

Ceratodus formosus Wade, 1935, p. 2.

S.U.P. 232 and 237 (co-specimens) Men-
tioned specimens

Brookvale, N.S.W.
Hawkesbury Sandstone

Middle Triassic

CLEITHROLEPIS GRANULATUS Egerton,
1864; Wade, 1935.

Cleithrolepis granulatus Egerton, 1864;
Wade, 1935, p. 49 (*cum syn.*), text-figs
24, 26, 27c, d, e.

S.U.P. 100, 111, 135 (fig. 26), 176, 212
(fig. 24), 222 (fig. 27c, d, e), 258,
10952, 10953, 10954

Brookvale, N.S.W.
Hawkesbury Sandstone

Middle Triassic

ENIGMATICHTHYS ATTENUATUS
Wade, 1935.

Enigmaticthys attenuatus Wade, 1935, p.
84, text-fig. 47.

S.U.P. 31 (fig. 47), 315 (=C.S. 11) and
316 (D.S. 12) (latter two: co-specimens)
Paratypes (Wade: 'other specimens')

Brookvale, N.S.W.
Hawkesbury Sandstone

Middle Triassic

**MACCULLOCHELLA MACQUARIEN-
SIS** (Cuvier & Valenciennes, 1829); Hills,
1947.

Maccullochella macquariensis (Cuvier &
Valenciennes, 1829); Hills, 1947, p. 381,
Pls 31-33.

S.U.P. 955 Mentioned

S.U.P. 954 Hypotype (Pl. 31, No. 1)

S.U.P. 956 Figured (Pl. 32)

S.U.P. 979 Figured (Pl. 33, No. 1)

S.U.P. 980 Mentioned

Baradine, Warrumbungle Mountains,
N.S.W.

Tertiary

MACROAETHES ALTUS Wade, 1935.

Macroaethes altus Wade, 1935, p. 77.

S.U.P. 10950 Holotype

Brookvale, N.S.W.

Hawkesbury Sandstone

Middle Triassic

MACROAETHES BROOKVALEI Wade,
1932; 1935.

Macroaethes altus Wade, 1935, p. 77.

p. 70, Pl. 9, fig. 3; text-figs 34, 38, 43.

S.U.P. 130 Lectotype (Pl. 9, fig. 3)

S.U.P. 45, 65, 85, 123 (fig. 43), 132, 134,
158, 171, 188, 197 (fig. 38), 202, 211
(fig. 43), 220, 226, 247, 254, 256 (fig.
34)

Brookvale, N.S.W.

Hawkesbury Sandstone

Middle Triassic

MANLIETTA CRASSA Wade, 1935.

Manlietta crassa Wade, 1935, p. 59, Pl. 9,
fig. 1, text-fig. 29.

S.U.P. 213 Holotype

Brookvale, N.S.W.

Hawkesbury Sandstone

Middle Triassic

**MESEMBRONISCUS LONGISQUAMO-
SUS** Wade, 1935.

Mesembroniscus longisquamosus Wade,
1935, p. 14.

S.U.P. 272, 400 Paratypes

Brookvale, N.S.W.

Hawkesbury Sandstone

Middle Triassic

MOLYBDICHTHUS JUNIOR Wade, 1935.

Molybdichthus junior Wade, 1935, p. 40, Pl. 7, fig. 2; text-fig. 19.

S.U.P. 43 (text-fig. 19) and 10955 (co-specimens), 146, 216 (Pl. 7, fig. 2)

Brookvale, N.S.W.

Hawkesbury Sandstone

Middle Triassic

MYRIOLEPIS LATUS Woodward, 1890; Wade, 1935.

Myriolepis latus Woodward, 1890; Wade, 1935, p. 15.

S.U.P. 225 (in 4 pieces) Paratype

Brookvale, N.S.W.

Hawkesbury Sandstone

Middle Triassic

PHLYCTAENICHTHYS PECTINATUS Wade, 1935.

Phlyctaenichthys pectinatus Wade, 1935, p. 42, Pl. 10, fig. 1, text-fig. 20.

S.U.P. 200 Holotype (Pl. 10, fig. 1, text-fig. 20)

S.U.P. 183, 10956 Paratypes

Brookvale, N.S.W.

Hawkesbury Sandstone

Middle Triassic

PROCHEIRICHTHYS FEROS Wade, 1935.

Procheirichthys feros Wade, 1935, p. 62, Pl. 9, fig. 2, text-fig. 31.

S.U.P. 209 Holotype

Brookvale quarry, N.S.W.

Hawkesbury Sandstone

Middle Triassic

PROMECOSOMINA BEACONENSIS Wade, 1935.

Promecosomina beaconensis Wade, 1935, p. 80, text-fig. 46.

S.U.P. 192 Paratype

Brookvale, N.S.W.

Hawkesbury Sandstone

Middle Triassic

SAURICHTHUS PARVIDENS Wade, 1935.

Saurichthus parvidens Wade, 1935, p. 78. S.U.P. 23, 82, 90, 97, 107, 109, 112, 129, 164, 169, 183, 200, 230, 236, 241

Paratypes

Brookvale, N.S.W.

Hawkesbury Sandstone

Middle Triassic

SCHIZURICHTHUS PULCHER Wade, 1935.

Schizurichthus pulcher Wade, 1935, p. 44, Pl. 10, fig. 2, text-fig. 21.

S.U.P. 305 (= D.S. 17) Paratype

Brookvale, N.S.W.

Hawkesbury Sandstone

Middle Triassic

?THORACOPTERUS sp. Wade, 1941.

?Thoracopterus sp. Wade, 1941, p. 144, Pl. 7, fig. A.

S.U.P. 151 Mentioned and figured

Brookvale, N.S.W.

Hawkesbury Sandstone

Middle Triassic

REPTILIA

CHELONIA

NOTOCHELONE COSTATA (Owen, 1882).

Notochelone costata (Owen, 1882), p. 178, text-figs 1 and 2.

S.U.P. 6951 Holotype, figured

Flinders River district, northern Queensland

Cretaceous?

NOTOCHELYS COSTATA Owen, 1882.

Notochelys costata Owen, 1882.

(type species of *Notochelys* Owen, 1882, *non Notochelys* Gray, 1863, with type species *N. platynota* Gray, 1863). See *Notochelone* Lydekker, 1889, with species *N. costata* (Owen, 1882)

VERMES

SERPULA TONGOWOKOENSIS Etheridge, 1902.

Serpula tongowokoensis Etheridge, 1902, p. 12, Pl. 1, fig. 14.

S.U.M. 148 Holotype, figured

Mt Stuart Run, Co. Tongowoko, NW of N.S.W.

Lower Cretaceous

CRICOCONARIDA

TENTACULITES CHAPMANI Sherrard, 1967.

Tentaculites chapmani Sherrard, 1967, p. 234, Pl. 37, fig. 3; Pl. 38, figs 4, 6.

S.U.P. 5892 Mentioned and figured (Pl. 37, fig. 3)

S.U.P. 5896 Mentioned and figured (Pl. 38, figs 4, 6)

Por. 208, Par. Warroo, near Taemas Bridge, Yass (5892)

Por. 103, Par. Ponto, near Macquarie River, Wellington (5896)

? Taemas Formation (5892); ?Garra Formation (5896)

Devonian

TENTACULITES sp. No. 1 Sherrard, 1967.

Tentaculites sp. No. 1 Sherrard, 1967, p. 237, Pl. 38, figs 10, 11.

S.U.P. 5891 Mentioned and figured

?Cavan, near Taemas Bridge, over Murrumbidgee River, 14 miles SW of Yass, N.S.W.

? Taemas Formation, Murrumbidgee Group

Middle Devonian

TENTACULITES sp. No. 2 Sherrard, 1967.

Tentaculites sp. No. 2 Sherrard, 1967, p. 238.

S.U.P. 5897 Mentioned

150 miles E of White Cliffs, N.S.W.

Devonian

aff. **VOLYNITES RUSSIENSIS** Ljaschenko, 1957; Sherrard, 1967.

aff. *Volynites russiensis* Ljaschenko, 1957; Sherrard, 1967, p. 240, Pl. 38, figs 8, 9, 13.

S.U.P. 5890, 5893, 5895 Mentioned and figured

Por. 3, Par. Cudal, ca. 25 miles W of Orange (5890)

Por. 26, Par. Eurimbula (5893)

Por. 53, Par. Eurimbula (5895)

Manildra Formation (5893 and 5895)

Upper Silurian

NOWAKIA aff. **ACUARIA** (Richter, 1854); Sherrard, 1967.

Nowakia aff. *acuaria* (Richter, 1854); Sherrard, 1967, p. 242, Pl. 38, figs 13, 14, 15.

S.U.P. 5893, 5894 Mentioned and figured

Por. 26, Par. Eurimbula (5893) and Por. 65, Par. Taemas (Shearsby's Wall-paper) (5894)

Manildra Formation (5893) and ? Taemas Formation (5894).

Silurian and Devonian

PRECAMBRIAN INCERTAE SEDIS

PROTADELAIDEA BROWNI Tillyard, 1936.

Protadelaidea browni Tillyard, 1936, p. 175, Pls 4-6.

S.U.P. 7906 Holotype (Pls 4, 5)

S.U.P. 7907 Paratype (Pl. 6)

Teatree Gully, S.A.

Adelaide 'Series'

Upper Proterozoic

PROTADELAIDEA HOWCHINI Tillyard, 1936.

Protadelaidea howchini Tillyard, 1936, p. 65, Pls 1-3, 7-10.

S.U.P. 7904 Holotype (Pls 1, 2)

S.U.P. 7905 Paratype (Pl. 3)

Teatree Gully, S.A.

Adelaide 'Series'

Upper Proterozoic

TRACE FOSSILS

COCHLICHNUS SERPENS Webby, 1970.

Cochlichnus serpens Webby, 1970, p. 97, fig. 16A-F.

S.U.P. 19870 Holotype

S.U.P. 19871-19882 Paratypes

S.U.P. 19883-19884 Mentioned

4 miles WNW of Tarnuna Tank (loc. 1), Far West of N.S.W.

Lintiss Vale Beds of the Torrowangee Group, in the Caloola Syncline

Late Precambrian

CURVOLITHUS ?DAVIDIS Webby, 1970.

Curvolithus ?davidis Webby, 1970, p. 102, figs 21 A-E.

S.U.P. 21850 Holotype (from loc. 2)

S.U.P. 21851-54 Paratypes (from loc. 1)

5 miles SW of Tarnuna Tank (loc. 2) and 4 miles WNW of Tarnuna Tank (loc. 1), Far West of N.S.W.

Lintiss Vale Beds of the Torrowangee Group, in the Caloola Syncline

Late Precambrian

GORDIA ? sp. Webby, 1970.

Gordia ? sp. Webby, 1970, p. 99, fig. 17.

S.U.P. 21860 Holotype

5 miles W of Tarnuna Tank (loc. 3), Far West of N.S.W.

Lintiss Vale Beds of the Torrowangee Group, in the Caloola Syncline

Late Precambrian

PHYCODES? ANTECEDENS Webby, 1970.

Phycodes? antecedens Webby, 1970, p. 101, fig. 21 A-B.

S.U.P. 19898 Holotype (from loc. 2)

S.U.P. 19895 Paratype (from loc. 1)

5 miles SW of Tarnuna Tank (loc. 2) and 4 miles WNW of Tarnuna Tank (loc. 1), Far West of N.S.W.

Lintiss Vale Beds of the Torrowangee Group, in the Caloola Syncline

Late Precambrian

PLANOLITES BALLADUS Webby, 1970.

Planolites balladus Webby, 1970, p. 95, fig. 14 A-C.

S.U.P. 19857 Holotype (from loc. 1)

S.U.P. 19862, 19864 Paratypes (from loc. 1)

S.U.P. 19858-59, 19861, 19863 Paratypes (from loc. 2)

4 miles WNW of Tarnuna Tank (loc. 1) and 5 miles SW of Tarnuna Tank (loc. 2), Far West of N.S.W.

Lintiss Vale Beds of the Torrowangee Group, in the Caloola Syncline

Late Precambrian

PLANOLITES ? sp. Webby, 1970.

Planolites ? sp. Webby, 1970, p. 96, fig. 15.

S.U.P. 21862 Mentioned and figured (from loc. 1)

4 miles WNW of Tarnuna Tank, Far West of N.S.W.

Lintiss Vale Beds of the Torrowangee Group, in the Caloola Syncline

Late Precambrian

SKOLITHOS, TIGILLITES, CYLINDRICUM, 'SCOLICIA', BEACONITES Webby, 1968.

Skolithos, Tigillites, Cylindricum, 'Scolicia', Beaconites Webby, 1968b, pp. 1001-1008, figs 1-8.

S.U.P. 18809-18813 (18809: *Skolithos*; 18810: *Tigillites*; 18811: *Cylindricum*; 18812: *'Scolicia'*; 18813: *Beaconites* Mentioned and figured

5 miles S of West-Beacon, Brawn Pass (18809-10); E side of West-Beacon (18811); NW side of West Beacon (18812); E side of the entrance to Arena Valley; all from Victoria Land, Antarctica

Lower part of Beacon Group

Devonian

TORROWANGEA ROSEI Webby, 1970. 4 miles WNW of Tarnuna Tank (loc. 1),
Torrowangea rosei Webby, 1970, p. 99, Far West of N.S.W.
fig. 18 A-D. Lintiss Vale Beds of the Torrowangee-
Group in the Caloola Syncline
S.U.P. 19850 Holotype
S.U.P. 19851-19854 Paratypes **Late Precambrian**

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Appendix : List of Type Specimens Temporarily Unlocated

CORALS

- 3193 *Xystriphyllum dunstani*
- 5280 *Lyriellasma aggregatum*
- 6241 *Spongophyllum halysitoides halysitoides*
- 9397 *Heliolites digitalis*
- 10160 *Favosites gothlandicus*
- 10246 *Palaeophyllum rugosum*
- 11188 *Schedohalysites orthopteroides*
- 13252 *Pseudochonophyllum pseudohelianthoides*
- 19241 *Lyriellasma* sp. cf. *subcaespitosum*
- 22150 *Rhizophyllum interpunctatum*

BRYOZOANS

- 494 *Batostoma*
- 7429 *Fenestella malchi*

BIVALVES

- S.U.M. 142 *Corimya* ? *primula*
- S.U.M. 143 *Maccoyella corbiensis*
- S.U.M. 144 *M. reflecta*
- S.U.M. 145 *Malletia elongata*
- S.U.M. 146 *Pecten* (*Syncyclonema*?) *socialis*
- S.U.M. 147 *Pseudavicula anomala*

CEPHALOPODA

- S.U.M. 141 *Belemnites oxyis*

TRILOBITA

- 6901 *Cheirurus* (*Crotalocephalus*) *packhami*

WORMS

- S.U.M. 148 *Serpula tongowokoensis*

FISH

- 8 *Brookvalia gracilis*
- 23 *Saurichthys parvidens*
- 37 } *Brookvalia gracilis*
- 135 }
- 203 *Brookvalia propennis*
- 212 *Cleithrolepis granulatus*
- 400 *Mesembrioniscus longisquamosus*
- 954 } *Maccullochella macquariensis*
- 980 }

PLANTS

- S.U.P. 16073, 16074, 16076: *Girvanella problematica* (thin sections)
- S.U.P. 16086, 16088, 16089: *Girvanella tasmaniaensis* (thin sections)
- S.U.M. 2 *Thinnfeldia odontopteroides* var. *longifolia*
- S.U.M. 19 *Dicroidium falcatum*
- S.U.M. 31 *Taeniopteris daintreei*
- S.U.M. 32 *Alethopteris concinna*
- S.U.M. 38 *Cunninghamites* 2 sp.
- S.U.M. 63 } *Alethopteris australis*
- S.U.M. 78 }
- S.U.M. 83 }
- S.U.M. 84 } *Calamites* (*Archaeocalamites*) *radiatus*
- S.U.M. 86 }
- S.U.M. 97 *Stigmaria* sp.
- S.U.M. 104 *Sagenopteris rhoifolia*
- S.U.M. 140 *Sphenopteris baileyana*