



REPORT 160

**Catalogue of Additional Type and Figured Specimens Other Than
Protista in the Commonwealth Palaeontological Collection,
Canberra**

IRENE CRESPIN

BMR
555(94)
REP. 6

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**BUREAU OF MINERAL RESOURCES
CANBERRA, A.C.T.**

DEPARTMENT OF MINERALS AND ENERGY
BUREAU OF MINERAL RESOURCES, GEOLOGY AND GEOPHYSICS

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IRENE CRESPIN



AUSTRALIAN GOVERNMENT PUBLISHING SERVICE
CANBERRA, 1974

DEPARTMENT OF MINERALS AND ENERGY

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*Published for the Bureau of Mineral Resources, Geology and Geophysics
by the Australian Government Publishing Service*

ISBN 0 642 00635 0

MANUSCRIPT RECEIVED: MAY 1972

ISSUED: APRIL 1974

Printed by F. D. ATKINSON, Government Printer of Australia

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INTRODUCTION

The 'Catalogue of type and figured specimens in the Commonwealth Palaeontological Collection, Canberra' compiled in 1960 (Crespin, BMR Report 54) included all references to work published to 1959. Since then, the type collection has grown so quickly that it has proved impossible to keep pace with it. An additional list, of Protista, was issued in 1971 (Crespin, BMR Report 148), and the present volume completes the catalogue of type specimens to the end of 1969.

The arrangement of this Catalogue follows that of the earlier volumes. Genera are listed alphabetically within classes, and only important references are given in synonymy.

ARTHROPODA

Crustacea

Ostracoda

AMPHISSITES sp. A, Jones, 1968.

Amphissites sp. A., Jones, 1968, p. 23, Pl. 1, figs 9a-c.

C.P.C. 7055—Figured specimen

Westwood Cr. Bonaparte Gulf Basin, W.A., (loc. 13/6 of Veevers & Roberts, 1968, fig. 27). Westwood Member of Cockatoo Formation

Upper Devonian (Frasnian)

BAIRDIA ARQUATA (Munster, 1830), Chapman, 1917.

Cythere arquata Munster, 1830, p. 63

Bairdia arquata (Munster); Chapman, 1917, p. 52, Pl. 13, fig. 3

C.P.C. 7133—Figured specimen

One Tree Hill, Gingin, Perth Basin, W.A. Gingin Chalk

Upper Cretaceous

BAIRDIA sp. cf. **B. NALIVKINI** Egorov, 1953; Jones, 1968.

Bairdia nalivkini Egorov, 1953. p. 8, Pl. 4, figs 4a-c

Bairdia sp. cf. *B. nalivkini* Egorov, Jones, 1968, p. 58, Pl. 7, figs 3a-c

C.P.C. 7734—Figured specimen (Pl. 7, fig. 3)

Section 459/440 (Veevers & Roberts, 1968, fig. 27), about 5 km ESE of Shakespeare Hill, Bonaparte Gulf Basin, W.A., at lat. 14° 52' S, long. 128° 30' E. Westwood Member of Cockatoo Formation

Upper Devonian (Frasnian)

BAIRDIA sp. cf. **NAUMOVAE** Egorov, 1953; Jones, 1968.

Bairdia naumovae Egorov, 1953, p. 23, Pl. 11, figs 1, 2

Bairdia sp. cf. *B. naumova* Egorov, Jones, 1968, p. 59, Pl. 7, figs 2a-c, text-fig. 20

C.P.C. 7733—Figured specimen

About 5 km ESE of Shakespeare Hill, Bonaparte Gulf Basin, W.A. (loc. 459/440 of Veevers & Roberts, 1968, fig. 27), Westwood Member of Cockatoo Formation

Upper Devonian (Frasnian)

BEYRICHIOPSIS? PERPLEXA Jones, 1968.

Beyrichiopsis? perplexa Jones, 1968, p. 40, pl. 3, figs 1-7, text-fig. 14

C.P.C. 7065—Holotype (Pl. 3, figs 1a, b)—heteromorph

C.P.C. 7066—Paratype A (figs 2a, b)—tecnomorph

C.P.C. 7067—Paratype B (figs 3a, b)—heteromorph

C.P.C. 7068—Paratype C (figs 4a, b)—tecnomorph

C.P.C. 7069—Paratype D (fig. 5)—pre-adult instar

Eight Mile Cr., Burt Range area, Bonaparte Gulf Basin, northwestern Australia, base of section at lat. 15° 38' S, long. 128° 55' E (loc. 100/4). Buttons Beds

C.P.C. 7070—Figured specimen (Pl. 3, fig. 6)—left valve

C.P.C. 7071—Figured specimen (Pl. 3, fig. 7)—tecnomorph

3 km N of Buttons Crossing, E bank of Ord R., Bonaparte Gulf Basin, W.A., lat. 15° 38' S, long. 128° 42' E, (C.P.C. 7070, loc. 105/170; C.P.C. 7071, loc. 105/600 of Veevers & Roberts, 1968, fig. 35.) Buttons Beds

Upper Devonian (early Famennian)

BYTHOCYPRIS HOWCHINIANA Chapman, 1917.

Bythocypris howchiniana Chapman, 1917, p. 53, Pl. 13, figs 2a-c

C.P.C. 7132—Holotype

One Tree Hill, Gingin, Perth Basin, W.A.
Gingin Chalk

Upper Cretaceous

CAVELLINA sp. A, Jones, 1968.

Cavellina sp. A, Jones, 1968, p. 53, Pl. 6,
figs 1a, b

C.P.C. 7090—Figured specimen

Eight Mile Cr., Burt Range area, Bonaparte Gulf Basin, W.A., base of section at lat. 15° 38' S, long. 128° 55' E (loc. 100/4 of Veevers & Roberts, 1968, fig. 39). Buttons Beds

Upper Devonian (early Famennian)

COELOENELLINA sp. cf. **C. FABIFORMIS** (Kesling & Kilgore, 1952); Jones, 1968.

Schmidtella fabiformis Kesling & Kilgore, pp. 2, 3, Pl. 2, figs 1-7

Coeloenellina sp. cf. *C. fabiformis* (Kesling & Kilgore); Jones, 1968, p. 46, Pl. 1, figs 12a-d, text-fig. 16

C.P.C. 7059—Figured specimen (figs 12a-d)

Eight Mile Cr., Burt Range area, Bonaparte Gulf Basin, W.A., base of section at lat. 15° 38' S, long. 128° 55' E, (loc. 100/4 of Veevers & Roberts, 1968, fig. 39). Buttons Beds

Upper Devonian (early Famennian)

CYTHERE HARRISIANA var. **RETICOSA** Jones & Hinde, 1890; Chapman, 1917.

Cythere harrisiana var. *reticosa* Jones & Hinde, 1890, p. 18, Pl. 1, fig. 46; Chapman, 1917, p. 53, Pl. 13, fig. 6.

C.P.C. 7136—Figured specimen

One Tree Hill, Gingin, Perth Basin, W.A.
Gingin Chalk

Upper Cretaceous

CYTHERE LINEATOPUNCTATA

Chapman & Sherborn, 1893; Chapman, 1917.

Cythere lineatopunctata Chapman & Sherborn, 1893, p. 346, Pl. 44, fig. 4 (marked 2 in error on plate); Chapman, 1917, p. 54, Pl. 14, fig. 9.

C.P.C. 7139—Figured specimen

One Tree Hill, Gingin, Perth Basin, W.A.
Gingin Chalk

Upper Cretaceous

CYTHERE WESTRALIENSIS Chapman, 1917.

Cythere westraliensis Chapman, 1917, p. 54, Pl. 13, figs 7a-c, 8.

C.P.C. 7137—Holotype (Pl. 13, figs 7a-c)—designated herein by I.C.

C.P.C. 7138—Paratype (Pl. 13, fig. 8)—designated herein by I.C.

One Tree Hill, Gingin, Perth Basin, W.A.
Gingin Chalk

Upper Cretaceous

CYTHEREIS ORNATISSIMA (Reuss, 1846); Chapman, 1917.

Cytherina ornatissima Reuss, 1846, p. 104, Pl. 24, figs 12, 18.

Cytherina ornatissima (Reuss); Chapman, 1917, p. 55, Pl. 14, fig. 10.

C.P.C. 7140—Figured specimen

One Tree Hill, Gingin, Perth Basin, W.A.
Gingin Chalk

Upper Cretaceous

CYTHEREIS ORNATISSIMA (Reuss) var. **NUDA** Jones & Hinde, 1890.

Cythereis ornatissima (Reuss) var. *nuda* Jones & Hinde, 1890, p. 23, Pl. 1, fig. 76, Pl. 2, fig. 9, 12-14; Pl. 4, fig. 14; Chapman, 1917, p. 55, Pl. 13, fig. 5; Pl. 14, fig. 11.

C.P.C. 7135—(Pl. 13, fig. 5); C.P.C. 7141—(Pl. 14, fig. 11)—Figured specimens

One Tree Hill, Gingin, Perth Basin, W.A.
Gingin Chalk

Upper Cretaceous

CYTHEREIS ORNATISSIMA (Reuss) var. RETICULATA Jones & Hinde, 1890.

Cythereis ornatissima (Reuss) var. *reticulata* Jones & Hinde, 1890, p. 24, Pl. 1, figs 67, 68, 77; Pl. 4, figs 9-12; Chapman, 1917, p. 55, Pl. 14, fig. 12.

C.P.C. 7142—Figured specimen

One Tree Hill, Gingin, Perth Basin, W.A.
Gingin Chalk

Upper Cretaceous

CYTHEREIS ORNATISSIMA (Reuss) var. STRICTA Jones & Hinde, 1890.

Cythereis ornatissima (Reuss) var. *stricta* Jones & Hinde, 1890, p. 25, Pl. 1, fig. 63; Chapman, 1917, p. 55, Pl. 14, fig. 13.

C.P.C. 7143—Figured specimen

One Tree Hill, Gingin, Perth Basin, W.A.
Gingin Chalk

Upper Cretaceous

CYTHEREIS QUADRILATERA (Roemer, 1840); Chapman, 1917.

Cytherina quadrilatera Roemer, 1840, p. 105, Pl. 16, fig. 19.

Cythereis quadrilatera (Roemer); Chapman, 1917, p. 56, Pl. 14, fig. 14.

C.P.C. 7144—Figured specimen

One Tree Hill, Gingin, Perth Basin, W.A.
Gingin Chalk

Upper Cretaceous

CYTHEREIS RUDISPINATA Chapman & Sherborn, 1893; Chapman, 1917.

Cythereis rudispinata Chapman & Sherborn, 1893, p. 347, Pl. 14, fig. 67; Chapman, 1917, p. 56, Pl. 14, fig. 15.

C.P.C. 7145—Figured specimen

One Tree Hill, Gingin, Perth Basin, W.A.
Gingin Chalk

Upper Cretaceous

CYTHEREIS TUBEROSA Jones & Hinde, 1890; Chapman, 1917.

Cythereis tuberosa Jones & Hinde, 1890, p. 26, Pl. 3, figs 2, 3; Chapman, 1917, p. 56, Pl. 14, fig. 16.

C.P.C. 7146—Figured specimen

One Tree Hill, Gingin, Perth Basin, W.A.
Gingin Chalk

Upper Cretaceous

CYTHERELLA CHAPMANI Jones & Hinde, 1890.

Cytherella chapmani Jones & Hinde, 1890, p. 49, Pl. 3, fig. 70; Chapman, 1917, p. 58, Pl. 14, fig. 22.

C.P.C. 7152—Figured specimen

One Tree Hill, Gingin, Perth Basin, W.A.
Gingin Chalk

Upper Cretaceous

CYTHERELLA MUENSTERI (Roemer, 1838); Chapman, 1917.

Cytherina muensteri Roemer, 1838, p. 516, Pl. 6, fig. 13.

Cytherella muensteri (Roemer); Chapman, 1917, p. 57, Pl. 14, fig. 18.

C.P.C. 7148—Figured specimen

One Tree Hill, Gingin, Perth Basin, W.A.
Gingin Chalk

Upper Cretaceous

CYTHERELLA OVATA (Roemer, 1840); Chapman, 1917.

Cytherina ovata Roemer, 1840, p. 104, Pl. 16, fig. 21.

Cytherella ovata (Roemer); Chapman, 1917, p. 57, Pl. 14, fig. 19.

C.P.C. 7149—Figured specimen

One Tree Hill, Gingin, Perth Basin, W.A.
Gingin Chalk

Upper Cretaceous

CYTHERELLA WILLIAMSONIANA
Jones, 1849; Chapman, 1917.

Cytherella williamsoniana Jones, 1849, p. 31, Pl. 7, figs 26a-h; Chapman, 1917, p. 57, Pl. 14, fig. 20.

C.P.C. 7150—Figured specimen

One Tree Hill, Gingin, Perth Basin, W.A.
Gingin Chalk

Upper Cretaceous

CYTHERELLA WILLIAMSONIANA
Jones var. **STRICTA** Jones & Hinde, 1890; Chapman, 1917.

Cytherella williamsoniana Jones var. *stricta* Jones & Hinde, 1890, p. 48, Pl. 3, fig. 71; Chapman, 1917, p. 58, Pl. 14, fig. 21.

C.P.C. 7151—Figured specimen

One Tree Hill, Gingin, Perth Basin, W.A.
Gingin Chalk

Upper Cretaceous

CYTHEROPTERON CONCENTRICUM
(Reuss, 1846); Chapman, 1917.

Cytherina concentrica Reuss, 1846, p. 103, Pl. 24, figs 22a-c.

Cytheropteron concentricum (Reuss); Chapman, 1917, p. 56, Pl. 14, fig. 17.

C.P.C. 7147—Figured specimen

One Tree Hill, Gingin, Perth Basin, W.A.
Gingin Chalk.

Upper Cretaceous

DIPHYOCHILINA TRYPHERA Jones, 1968.

Diphyochilina tryphera, Jones 1968, p. 51, Pl. 6, figs 2-4, text figs 17-18.

C.P.C. 7091—Holotype (Pl. 6, fig. 2)

C.P.C. 7093—Paratype (Pl. 6, fig. 6)

C.P.C. 7092—Horizontal section (Pl. 6, fig. 3)

3 km N of Buttons Crossing, E bank of Ord R., Bonaparte Gulf Basin, W.A. at lat. 15° 38'S, long. 128° 42'E, 128 m above base of section 105 (Veevers & Roberts, 1968, fig. 35). Buttons Beds

Upper Devonian (early Famennian)

GEISINA MONOTHELE Jones, 1968.

Geisina monothele Jones, 1968, p. 26, Pl. 3, figs 8-10.

C.P.C. 7072—Holotype (Pl. 3, fig. 8)—heteromorph

C.P.C. 7073—Paratype (Pl. 3, fig. 9)

C.P.C. 7074—Vertical section

3 km N of Buttons Crossing, E bank of Ord R., Bonaparte Gulf Basin, W.A. at lat 15° 38'S, long. 128° 42'E, 128 m above base of section 105 (Veevers & Roberts, 1968, fig. 35). Buttons Beds

Upper Devonian (early Famennian)

INDIVISIA VARIOLATA Zanina, 1960; Jones, 1968.

Indivisia variolata Zanina 1960, p. 85, Pl. 7, figs 5-6; Jones, 1968, p. 35, Pl. 4, figs 1-5, text-fig. 13.

C.P.C. 7075—Figured specimen (Pl. 4, fig. 1)—Adult

C.P.C. 7076—Figured specimen (fig. 2)—Adult

C.P.C. 7077—Figured specimen (fig. 3)—Instar

C.P.C. 7078—Figured specimen (fig. 4)—Instar

C.P.C. 7079—Figured specimen (fig. 5)—Instar

Buttons Crossing, E bank of Ord R., Bonaparte Gulf Basin, W.A., 52 m above base of section 105 (Veevers & Roberts, 1968, fig. 35). Buttons Beds

Upper Devonian (early Famennian)

KNOXIELLA sp. A, Jones, 1968.

Knoxella sp. A, Jones 1968, p. 28, Pl. 7, figs 4-6, text-fig. 10.

C.P.C. 7183—(fig. 4); C.P.C. 7184 (fig. 5)—Figured specimens

Westwood Cr., about 400 m E of Section 459, E limb of anticline, Bonaparte Gulf Basin, W.A. (loc. 12/8 of Veevers & Roberts, 1968, fig. 27). Westwood Member, Cockatoo Formation

C.P.C. 7185—Figured specimen (fig. 6)

Westwood Crk, western limb of anticline, Bonaparte Gulf Basin (loc. 13/6 of Veevers & Roberts, 1968, fig. 27). Westwood Member, Cockatoo Formation

Upper Devonian (Frasnian)

KRAUSELLA ? DUBITATA Jones, 1968.

Krausella ? dubitata Jones, 1968, p. 49, Pl. 5, figs 6a-d, 7a-c.

C.P.C. 7088—Holotype (Pl. 5, figs 6a-d) (not 7087 as given under 'Occurrence' p. 69)

Buttons Crossing, E bank of Ord R., Bonaparte Gulf Basin, W.A., 107 m above base of section 105 (Veevers & Roberts, 1968, fig. 35) at lat. 15° 38'S, long. 128° 42'E. Buttons Beds

C.P.C. 7089—Paratype (Pl. 5, figs 7a-c) (not 7088 as shown in 'Occurrence'). Locality as Holotype but 52 m above base of section. Buttons Beds

Upper Devonian (Famennian)

LEPTOPRIMITIA sp. A, Jones, 1968.

Leptoprimitia sp. A, Jones, 1968, p. 42, Pl. 5, figs 5a, b, text-fig. 15.

C.P.C. 7087—Figured specimen (figs 5a, b)—right valve

Eight Mile Cr., Burt Range area, Bonaparte Gulf Basin, W.A., at base of section, lat. 15° 38'S, long. 128° 55'E (loc. 100/4 of Veevers & Roberts, 1968, fig. 39). Buttons Beds

Upper Devonian (early Famennian)

LIMBATULA sp. A, Jones, 1968.

Limbatula sp. A, Jones, 1968, p. 22, Pl. 1, figs 6-8.

C.P.C. 7052 (figs 6a, b); C.P.C. 7053 (figs 7a, b); C.P.C. 7054 (fig. 8)—Figured specimens

Westwood Cr., Bonaparte Gulf Basin, W.A. (loc. 13/6 of Veevers & Roberts, 1968, fig. 27) at lat. 14° 52'S, long. 128° 30'E. Westwood Member, Cockatoo Formation

Upper Devonian (Frasnian)

MACROCYPRIIS SIMPLEX Chapman, 1904, var. **AFRICANA** nov. Chapman, 1917.

Macrocypris simplex Chapman (pars), 1904, p. 233, Pl. 29, figs 22, 22a, b.

Macrocypris simplex Chapman var. *africana* nov. Chapman, 1917, p. 53, Pl. 13, fig. 4.

C.P.C. 7134—Figured specimen

One Tree Hill, Gingin, Perth Basin, W.A. Gingin Chalk

Upper Cretaceous

MARGINIA RETICULATA Jones, 1968.

Marginia reticulata Jones, 1968, p. 32, Pl. 2, figs 4a-f, 5a-c, text-fig. 12.

C.P.C. 7063—Holotype (Pl. 2, figs 4a-f)—hetromorph

C.P.C. 7064—Paratype (figs 5a-c)—tecnomorph

Eight Mile Cr., Burt Range area, Bonaparte Gulf Basin, W.A., lat. 15° 38'S, long. 128° 55'E (loc. 100/4 of Veevers & Roberts, 1968, fig. 39). Buttons Beds

Upper Devonian (early Famennian)

MARGINIA VENULA Jones, 1968.

Marginia venula Jones, 1968, p. 30, Pl. 2, figs 1-3, text-fig. 11.

C.P.C. 7060—Holotype (Pl. 2, figs 1a-e)

C.P.C. 7062—Paratype A (Pl. 2, figs 3a-b)

Eight Mile Cr., Burt Range area, Bonaparte Gulf Basin, W.A., lat. 15° 38'S, long. 128° 55'E (loc. 100/4 of Veevers & Roberts, 1968, fig. 39). Buttons Beds

C.P.C. 7061—Paratype B (fig. 2)

3 km N of Buttons Crossing, on E bank of Ord R., Bonaparte Gulf Basin, W.A. (loc. 105/10 of Veevers & Roberts, 1968, fig. 27) lat. 15° 38' S, long. 128° 42' E. Buttons Beds

Upper Devonian (early Famennian)

ORTHOBAIRDIA ORDENSIS Jones, 1968.

Orthobairdia ordensis Jones, 1968, p. 61, Pl. 6, figs 5-7, text-fig. 21

C.P.C. 7094—Holotype (Pl. 6, figs 5a-d)

C.P.C. 7095—Paratype A (Pl. 6, figs 6a-b)

C.P.C. 7096—Paratype B (Pl. 6, figs 7a-b)

3 km N of Buttons Crossing, E bank of Ord River, Bonaparte Gulf Basin, W.A., lat. 15° 38' S, long. 128° 42' E, 128 m above base of Section 105 (Veevers & Roberts, 1968, fig. 35). Buttons Beds

Upper Devonian (early Famennian)

PARACYPRIS SILIQUA Jones & Hinde, 1890; Chapman, 1917.

Paracypris siliqua Jones & Hinde, 1890, p. 2, Pl. 2, figs 48, 49, 51; Chapman, 1917, p. 52, Pl. 13, fig. 1

C.P.C. 7131—Figured specimen

One Tree Hill, Gingin, Perth Basin, W.A. Gingin Chalk

Upper Cretaceous

PARAPARCHITES sp. cf. **P. NICKLESI** (Ulrich, 1891); Jones, 1968.

Leperditia nicklesi Ulrich, 1891, p. 200, Pl. 18, figs 1a-c

Paraparchites sp. cf. *P. nicklesi* (Ulrich), Jones, 1968, p. 44, Pl. 5, figs 1-4.

C.P.C. 7083—Figured specimen (Pl. 5, figs 1a-b)—lateral and dorsal view

C.P.C. 7084—Figured specimen (fig. 2)—left valve

C.P.C. 7085—Figured specimen (fig. 3)—pre-adult instar

C.P.C. 7086—Figured specimen (figs 4a-b)—pre-adult instar

3 km N of Buttons Crossing, Bonaparte Gulf Basin, W.A., at lat. 15° 38' S, long. 128° 42' E, 131 m above base of Section 105 (Veevers & Roberts, 1968, fig. 35). Buttons Beds

Upper Devonian (early Famennian)

PRIBYLITES (PARAPRIBYLITES) HANAICUS Pokorny, 1950; Jones, 1968.

Pribylites (Parapribylites) hanaicus Pokorny, 1950, p. 592, Pl. 1, figs 2, 3; Jones, 1968, p. 19, Pl. 1, figs 1-5, text-fig. 9

C.P.C. 7047—Figured specimen (figs 1a-d)—heteromorph

C.P.C. 7048—Figured specimen (figs 2a, b)—heteromorph

C.P.C. 7049—Figured specimen (figs 3a-b)—tecnomorph

C.P.C. 7050—Figured specimen (figs 4a-b)—tecnomorph

C.P.C. 7051—Figured specimen (figs 5a-b) pre-adult instar

Westwood Cr., Bonaparte Gulf Basin, W.A., W limb of anticline (loc. 13/6 of Veevers & Roberts, 1968, fig. 27). Westwood Member of the Cockatoo Formation

Upper Devonian (Frasnian)

RECTOBAIRDIA sp. A, Jones, 1968.

Rectobairdia, sp. A, Jones, 1968, p. 63, Pl. 7, figs 1a-c

C.P.C. 7732—Figured specimen

About 5 km ESE of Shakespeare Hill, Bonaparte Gulf Basin, W.A., at lat. 14° 52' S, long. 128° 30' E, 134 m above base of Section 459 (Veevers & Roberts, 1968, fig. 27). Westwood Member of Cockatoo Formation

Upper Devonian (Frasnian)

SULCELLA ALTIFRONS Jones, 1968.

Sulcella altifrons Jones, 1968, p. 54, Pl. 4, figs 6-8, text-fig. 19

C.P.C. 7080—Holotype (Pl. 4, fig. 6)—heteromorph

3 km N of Buttons Crossing, E bank of Ord River, Bonaparte Gulf Basin, W.A., lat. 15° 38' S, long. 128° 42' E, 128 m above base of Section 105 (Veevers & Roberts, 1968, fig. 35). Buttons Beds.

C.P.C. 7081—Paratype (figs a-b)—pre-adult instar

C.P.C. 7082—Paratype (figs 8a, b)—pre-adult instar

Locality as for Holotype but 131 m above base of section. Buttons Beds.

Upper Devonian (early Famennian)

TREPOSELLINE genus A sp. A, Jones, 1968.

Treposelline genus A sp. A Jones, 1968, p. 16, Pl. 1, figs 10a-c, 11a-b

C.P.C. 7056—Figured specimen (figs 10a-c)—heteromorph

E bank of Ord R., 3 km N of Buttons Crossing, Bonaparte Gulf Basin, W.A., 131 m above base of section 105 (Veevers & Roberts, 1968, fig. 35)

C.P.C. 7057—Figured specimen (figs 11a, b)—tecnomorph

Locality as above but 201 m above base of section

Upper Devonian (early Famennian)

TREPOSELLINE genus B sp. A, Jones, 1968.

Treposelline genus B sp. A, Jones, 1968, p. 17, Pl. 1, figs 13a, b, text-fig. 8

C.P.C. 7058—Figured specimen (figs 13a, b)—heteromorph

E bank of Ord R., 3 km N of Buttons Crossing, Bonaparte Gulf Basin, W.A., lat. 15° 38' S, long. 128° 42' E, 131 m above base of section 105 (Veevers & Roberts, 1968, fig. 35). Buttons Beds

Upper Devonian (Early Famennian)

Eridostraca

CRYPTOPHYLLUS DIATROPUS Jones, 1962.

Cryptophyllus diatropus Jones, 1962, p. 21, Pl. 1, figs 1-4; Pl. 2, figs 1, 2, text-figs 6a, b, c

C.P.C. 4209—Holotype (Pl. 1, figs 1-3, text-fig. 6a)

C.P.C. 4210—Paratype A (Pl. 1, fig. 4)

C.P.C. 4211—Paratype B (Pl. 1, fig. 5)

C.P.C. 4212—Paratype C (Pl. 1, figs 6, 8, 11)

C.P.C. 4213—Paratype D (Pl. 1, fig. 7)

C.P.C. 4214—Vertical section (Pl. 1, figs 12, 14, text-fig. 6b)

C.P.C. 4215—Horizontal section (Pl. 1, fig. 9, text-fig. 6c)

Bore BMR 2, Laurel Downs, N. Canning Basin, W.A., core 3 at 253 ft (77 m). Laurel Formation

Lower Carboniferous (Tournaisian)

C.P.C. 4216—Figured specimen (Pl. 1, fig. 10)

About 11 km N of BMR 2, Laurel Downs, about 3 km NW of Egans Bore, N Canning Basin. Upper beds of Laurel Formation

Lower Carboniferous

C.P.C. 4217—Figured specimen (Pl. 1, fig. 13)

The Sisters No. 1 Bore, N Canning Basin, at 6970-6975 ft (2124-2125 m) (cuttings)

Basal Carboniferous or Upper Devonian

C.P.C. 4218—Figured specimen (Pl. 2, figs 1, 2)

Meda No. 2 Bore, N Canning Basin, core 2 at 5287-5298 ft (1610-1613 m)

Lower Carboniferous (Tournaisian)

CRYPTOPHYLLUS DIATROPUS? Jones, 1962.

Cryptophyllus diatropus (?), Jones, 1962, p. 22, Pl. 2, figs 3-5

C.P.C. 4219—Figured specimen (Pl. 2, figs 3, 4)

Westralian Oil Ltd (loc. MG10), about 7 km W of Milligan Hills, Bonaparte Gulf Basin, W.A., Middle part of Burt Range Limestone

C.P.C. 4220—Figured specimen (P. 2, fig. 5)

Westralian Oil Ltd (loc. MG8), about 7 km W of Milligan Hills, Bonaparte Basin. Middle part of Burt Range Limestone

Upper Devonian or Basal Lower Carboniferous

CRYPTOPHYLLUS PLATYOGMUS Jones, 1962.

Cryptophyllus platyogmus Jones, 1962, p. 23, pl. 2, figs 6-13, text-fig. 5 6e, f, g.

C.P.C. 4221—Holotype (Pl. 2, figs 6-8)

C.P.C. 4222—Paratype A (Pl. 2, fig. 9)

C.P.C. 4223—Paratype B (Pl. 2, fig. 10)

C.P.C. 4224—Paratype C (Pl. 2, figs 11, 12, 13, text-figs 6e, f, g.

Milligans No. 1 Bore, Bonaparte Gulf Basin, W.A., at 185-472 feet (56-143 m)

Lower Carboniferous

CRYPTOPHYLLUS sp. A, Jones, 1962.

Cryptophyllus sp. A, Jones, 1962, p. 24, Pl. 3, figs 1-5.

C.P.C. 4225—Figured specimen (Pl. 3, figs 1-3)

C.P.C. 4226—Figured specimen (Pl. 3, fig. 4)

C.P.C. 4227—Figured specimen (Pl. 3, fig. 5)

About 15 km SEE of Williambury hstd, Carnarvon Basin, W.A. About 120 m above base of type section of Gneudna Formation.

Upper Devonian

CRYPTOPHYLLUS sp. B, Jones, 1962.

Cryptophyllus sp. B, Jones, 1962, p. 25, Pl. 3, figs 6, 7, text-fig. 6d.

C.P.C. 4228—Figured specimen (Pl. 3, fig. 6, text-fig. 6d)

C.P.C. 4229—Figured specimen (Pl. 3, fig. 7)

Grant Range Bore No. 1 at 9796-9799 feet (2985-2986 m) N Canning Basin, W.A. Anderson Formation

Upper Carboniferous

CRYPTOPHYLLUS sp. indet., Jones, 1968.

Cryptophyllus sp. indet., Jones, 1968, p. 67, Pl. 7, figs 4, 5.

C.P.C. 7186—Figured specimen (Pl. 7, fig. 4)

C.P.C. 7187—Figured specimen (fig. 5)

3 km N of Buttons Crossing, E bank of Ord R., lat. 15° 38' S, long. 128° 42' E, Bonaparte Gulf Basin, W.A., 183 m above base of section 105 (Veevers & Roberts, 1968, fig. 35). Buttons Beds

Upper Devonian (early Famennian)

ERIDOCONCHA sp. A, Jones, 1968.

Eridoconcha sp. A, Jones, 1968, p. 66, Pl. 7, figs 6, 7.

C.P.C. 7188—Figured specimen (Pl. 7, fig. 6).

Westwood Cr., E limb of anticline, Bonaparte Gulf Basin, W.A. (loc. 12/8 of Veevers & Roberts, 1968, fig. 27). Westwood Member of Cockatoo Formation

C.P.C. 7189—Figured specimen (fig. 7)

Locality as above but at loc. 13/9

Upper Devonian (Frasnian)

Bradoriida

ARISTALUTA GUTTA Öpik, 1961.

Aristaluta gutta Öpik, 1961b, p. 177, Pl. 24, figs 2a-c, 3a-d, 4, text-fig. 59.

C.P.C. 3642—Holotype (Pl. 24, figs 2a-c, text-fig. 59, pars)

C.P.C. 3641—Paratype (Pl. 24, figs 3a-d, text-fig. 59, pars)

1 km S of road and E of Pilgrim Fault, 10-11 km E of Duchess, headwaters of Burke R., Qld, lat. 21° 22' S, long. 139° 57' E, (loc. D13A). Devoncourt Limestone

Middle Cambrian

ARISTALUTA SPICATA Öpik, 1967.

Aristaluta spicata Öpik, 1967a, p. 394, Pl. 2, figs 3, 4, text-fig. 149.

C.P.C. 5363—Holotype (Pl. 2, fig. 3, text-fig. 149)—right valve

C.P.C. 5364—Paratype (not holotype as in Pl. 2) (Pl. 2, fig. 4)—left valve

Mungerebar-Mindyalla area, lat. 22° 8.5' S, long. 139° 10' E (loc. G9) Mungerebar Limestone

Middle Cambrian/Upper Cambrian zone of passage

? **BEYRICHONIDAE** gen. indet., sp. D Öpik, 1963.

? *Beyrichonidae* gen. indet. sp. D Öpik, 1963, p. 101, Pl. 4, fig. 11, text-fig. 39.

C.P.C. 4280—Figured specimen

About 10 km E of Pomegranate Bore, NW Qld (loc. /D120b). Pomegranate Limestone

Early Upper Cambrian

BRADORIA ALARIS Öpik, 1968.

Bradoria alaris Öpik, 1968, p. 23, Pl. 1, fig. 8, text-fig. 4.

C.P.C. 7631—Holotype (Pl. 1, fig. 8, text-fig. 4)

Barkly Highway, between Halls Memorial and dismantled Bore 16, NW Qld, lat. 20° 11' S, long. 138° 53' E (loc. M426). Yelvertoft Beds

Ordian (Middle Cambrian)

BRADORIA CORNULATA Öpik, 1968.

Bradoria cornulata Öpik, 1968, p. 25, Pl. 2, fig. 6, text-fig. 6.

C.P.C. 7637—Holotype (Pl. 2, fig. 6, text-fig. 6)

Barkly Highway, between Halls Memorial and dismantled Bore 16, NW Qld, lat. 20° 11' S, long. 138° 53' E (loc. M426). Yelvertoft Beds

Ordian (Middle Cambrian)

BRADORIA CURVIFRONS Öpik, 1968.

Bradoria curvifrons Öpik, 1968, p. 22, Pl. 1, figs 7a, b, text-fig. 3.

C.P.C. 7630—Holotype (right valve)

Barkly Highway, between Halls Memorial and dismantled Bore 16, NW Qld, lat. 20° 11' S, long. 138° 53' E (loc. M426). Yelvertoft Beds

Ordian (Middle Cambrian)

BRADORIA cf. **CURVIFRONS** Öpik, 1968.

Bradoria cf. *curvifrons* Öpik, 1968, p. 23, Pl. 2, fig. 7.

C.P.C. 7638—Figured specimen (left valve)

Barkly Highway, between Halls Memorial and dismantled Bore 16, NW Qld, lat. 20° 11' S, long. 138° 53' E (loc. M426). Yelvertoft Beds

Ordian (Middle Cambrian)

BRADORIA PETALINA Öpik, 1968.

Bradoria petalina Öpik, 1968, Pl. 2, figs 1-5, text-fig. 5.

C.P.C. 7632—Holotype (Pl. 2, figs 1a-d; figs 1a, b, left valve, figs 1c, d, right valve of holotype)

C.P.C. 7633—Paratype (Pl. 2, fig. 2)—right valve

C.P.C. 7634—Paratype (Pl. 2, fig. 3)—left valve

C.P.C. 7635—Paratype (Pl. 2, fig. 4)—carapace with valves closed

C.P.C. 7636—Paratype (Pl. 2, fig. 5)—carapace with disunited and shifted valves

Barkly Highway, between Halls Memorial and dismantled Bore 16, NW Qld, lat. 20° 11' S, long. 138° 53' E (loc. M426). Yelvertoft Beds

Ordian (Middle Cambrian)

COMPTALUTA CALCARATA Öpik, 1968.

Comptaluta calcarata Öpik, 1968, p. 29, Pl. 3, figs 4a, b; Pl. 4, figs 1-4, text-fig. 9.

C.P.C. 7645—Holotype (Pl. 4, fig. 3)—left valve

C.P.C. 7643—Paratype (fig. 1)—carapace

C.P.C. 7644—Paratype (fig. 2)—carapace

C.P.C. 7646—Paratype (figs 4a, b)—right valve

Barkly Highway, between Halls Memorial and dismantled Bore 16, NW Qld, lat. 20° 11' S, long. 138° 53' E (loc. M426). Yelvertoft Beds

Ordian (Middle Cambrian)

COMPTALUTA PROFUNDA Öpik, 1968.

Comptaluta profunda Öpik, 1968, p. 30, Pl. 3, figs 3a, b, text-fig. 10.

C.P.C. 7641—Holotype (figs 3a, b)—right valve

Barkly Highway, between Halls Memorial and dismantled Bore 16, NW Qld, lat. 20° 11' S, long. 138° 53' E (loc. M426). Yelvertoft Beds

Ordian (Middle Cambrian)

INDOTA OTICA Öpik, 1968.

Indota otica Öpik, 1968, p. 19, Pl. 1, figs 1-4, text-fig. 1.

C.P.C. 7625—Holotype (Pl. 1, fig. 2)—left valve

C.P.C. 7624—Paratype (figs 1a, b)—right valve

C.P.C. 7626—Paratype (fig. 3)—left valve

C.P.C. 7627—Paratype (fig. 4)—left valve

Barkly Highway, between Halls Memorial and dismantled Bore 16, NW Qld, lat. 20° 11' S, long. 138° 53' E (loc. M426). Yelvertoft Beds

Ordian (Middle Cambrian)

OPHIOSEMA SPICATUM Öpik, 1968.

Ophiosema spicatum Öpik, 1968, p. 28, Pl. 3, figs 1, 2, text-fig. 7.

C.P.C. 7639—Holotype (Pl. 3, fig. 1)—carapace

C.P.C. 7640—Paratype (fig. 2)—carapace

Barkly Highway, between Halls Memorial and dismantled Bore 16, NW Qld, lat. 20° 11' S, long. 138° 53' E (loc. M426). Yelvertoft Beds

Ordian (Middle Cambrian)

SVEALUTA cf. **PRIMOIDALIS** (Linnarsson, 1869) Öpik, 1967.

Svealuta cf. *primoidalis* (Linnarsson), Öpik 1967a, p. 394, Pl. 2, fig. 2

C.P.C. 5362—Figured specimen (Pl. 2, fig. 2)—left valve

Mungerebar-Mindyalla area, NW Qld, lat. 22° 15.5' S, long. 139° 01' E (loc. G131). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

SVEALUTA sp. M, aff. **SVEALUTA PRIMOIDALIS** (Linnarsson, 1869); Öpik, 1961.

Svealuta sp. M, aff. *Svealuta primoidalis* (Linnarsson); Öpik, 1961b, p. 174, Pl. 24, figs 1a-1e

C.P.C. 3640—Figured specimen (right valve)

1 km S of road and E of Pilgrim Fault
10-11 km E of Duchess, headwaters of
Burke R., Qld, lat. 21° 22' S, long.
139° 57' E (loc. D13A). Devoncourt
Limestone

Middle Cambrian

TROPIDIANA CIRDATA Öpik, 1968.

Tropidiana cirrata Öpik, 1968, p. 20, Pl. 1,
figs 5, 6, text-figs 2 and 11.

C.P.C. 7628—Holotype (Pl. 1, fig. 5)—
right valve

C.P.C. 7629—Paratype (fig. 6, text-fig.
11)—complete carapace

Barkly Highway, between Halls Memorial
and dismantled Bore 16, NW Qld, lat.
20° 11' S, long. 138° 53' E (loc. M426).
Yelvertoft Beds

Ordian (Middle Cambrian)

Trilobita

ACONTHEUS BURKEANUS Öpik, 1961.

Acontheus burkeanus Öpik, 1961b, p. 135, Pl. 10, figs 1-7, text-fig. 46.

C.P.C. 3526—Holotype (Pl. 10, fig. 46)—pygidium

C.P.C. 3523—Figured specimen (fig. 1, text-fig. 46)—cranidium

C.P.C. 3524—Figured specimen (fig. 2)—small cranidium

C.P.C. 3525—Figured specimen (fig. 3)—immature cranidium

C.P.C. 3538—Figured specimen (fig. 6)—small pygidium

C.P.C. 2529—Figured specimen (fig. 7)—pygidium

Roaring Bore, Burke R., Qld, lat. 21° 18.5' S, long. 140° 05' E (loc. D7/15). 45-55 m below top of Roaring Siltstone

Middle Cambrian

ACRODIROTES FASTOSA Öpik, 1967.

Acrodirotes fastosa Öpik, 1967a, p. 200, Pl. 7, figs 6-8, text-fig. 68.

C.P.C. 5410—Holotype (Pl. 7, fig. 7, text-fig. 68, pars)—cranidium

C.P.C. 5409—Figured specimen (Pl. 7, figs 6a, 6b, text-fig. 68, pars)—cranidium

C.P.C. 5411—Figured specimen (Pl. 7, fig. 8, Text-fig. 68, pars)—cranidium

NW Qld, Glenormiston-Sylvester Cr. area (text-fig. 4), lat. 22° 51.5' S, long. 138° 43' E (loc. G50). Georgina Limestone, Mindyallan Zone of *Glyptagnostus Stolidotus*

Early Upper Cambrian

ADELOGONUS SOLUS Öpik, 1967.

Adelogonus solus Öpik, 1967a, p. 204, Pl. 8, fig. 3, text-fig. 70.

C.P.C. 5415—Holotype (Pl. 8, fig. 3, text-fig. 70)—cranidium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus Stolidotus*

Early Upper Cambrian

AEDOTES DECLIVIS Öpik, 1967.

Aedotes declivis Öpik, 1967a, p. 268, Pl. 21, figs 1, 2; Pl. 61, fig. 4, text-fig. 92.

C.P.C. 5521—Holotype (Pl. 21, fig. 1, text-fig. 92, pars)—cranidium Mungerebar-Mindyalla area, NW Qld, lat. 22° 07' S, long. 139° 12' E (loc. G8). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

C.P.C. 5522—Figured specimen (Pl. 21, fig. 2, text-fig. 92, pars)—cranidium

Mungerebar-Mindyalla area (text-fig. 3), NW Qld, lat. 22° 17' S, long. 139° 00' E (loc. G119). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

AEDOTES INSTANS Öpik, 1967.

Aedotes instans Öpik, 1967a, p. 267, Pl. 21, figs 3, 4, text-fig. 90.

C.P.C. 5523—Holotype (Pl. 21, fig. 3, text-fig. 90, pars)—cranidium

C.P.C. 5524—Figured specimen (Pl. 21, fig. 4, text-fig. 90, pars)—cranidium

Mungerebar-Mindyalla area (text-fig. 3), NW Qld, lat. 22° 07' S, long. 139° 12' E (loc. G8). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

AEDOTES MUTANS Öpik, 1967.

Aedotes mutans Öpik, 1967a, p. 267, Pl. 21, figs 5, 6, text-fig. 91.

C.P.C. 5525—Holotype (Pl. 21, fig. 5, text-fig. 91, pars)—cranidium

C.P.C. 5526—Figured specimen (Pl. 21, fig. 6, text-fig. 91, pars)—cranidium

Mungerebar-Mindyalla area (text-fig. 3), NW Qld, lat. 22° 07' S, long. 139° 12' E (loc. G8). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

AGELAGMA LATICEPS Öpik, 1967.

Agelagma laticeps Öpik, 1967a, p. 210, Pl. 10, figs 4, 5, text-fig. 73.

C.P.C. 5432—Holotype (Pl. 10, fig. 5, Pl. 46, fig. 5, text-fig. 73, pars)—cranidium

Mungerebar-Mindyalla area (text-fig. 3), NW Qld, lat. 22° 15' S, long. 139° 00' E (loc. G119). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

C.P.C. 5431—Figured specimen (Pl. 10, fig. 4, text-fig. 73, pars)—cranidium

Mungerebar-Mindyalla area (text-fig. 3), NW Qld, lat. 22° 11' S, long. 139° 03' E (loc. G145). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasi-vespa*

Early Upper Cambrian

AGELAGMA LATICEPS Öpik, 1967.

Agelagma laticeps Öpik, 1967a, p. 210, Pl. 10, figs 4, 5, text-fig. 73.

C.P.C. 5432—Holotype (Pl. 10, fig. 5, Pl. 46, fig. 5, text-fig. 73, pars)—cranidium

Mungerebar-Mindyalla area (text-fig. 3), NW Qld, lat. 22° 15' S, long. 139° 00' E (loc. G119). Mungerebar-Mindyallan Zone of *Erediaspis eretes*.

Early Upper Cambrian

AGELAGMA QUADRATUM Öpik, 1967.

Agelagma quadratum Öpik, 1967a, p. 210, Pl. 10, figs 1-3, text-fig. 72.

C.P.C. 5429—Holotype (Pl. 10, fig. 2, text-fig. 72, pars)—cranidium

C.P.C. 5430—Figured specimen (Pl. 10, fig. 3)—cranidium

Mungerebar-Mindyalla area (text-fig. 3), NW Qld, lat. 22° 09' S, long. 139° 11' E (loc. G417). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*.

C.P.C. 5428—Figured specimen (Pl. 10, fig. 1, text-fig. 72, pars)—cranidium

Mungerebar-Mindyalla area (text-fig. 3), NW Qld, lat. 22° 12' S, long. 138° 57' E (loc. G114). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

AGNOSTARDIS AMPLINATIS Öpik, 1963; 1967.

Agnostardis amplinatis Öpik, 1963, p. 40, Pl. 3, figs 1-8, text-figs 8, 9; 1967a, p. 166, Pl. 67, figs 6, 7.

C.P.C. 4270—Holotype (1963, Pl. 3, fig. 8)—pygidium

Foot of De Little Range on Wills Crk about 8-11 km S of Buckingham Downs station, NW Qld (loc. B525). Pomegranate Limestone

C.P.C. 4265—Figured specimen (1963, Pl. 3, fig. 3)—cephalon

C.P.C. 4269—Figured specimen (1963, Pl. 67, fig. 7)—pygidium

As above (loc. B537). Pomegranate Limestone

C.P.C. 4263—Figured specimen (1963, Pl. 3, fig. 1)—complete specimen

C.P.C. 4264—Figured specimen (1963, Pl. 3, fig. 2)—cephalon

C.P.C. 4266—Figured specimen (1963, Pl. 3, fig. 4)—pygidium

About 13 km SW of Glenormiston hstd, NW Qld (loc. W20). Georgina Limestone

C.P.C. 4267—Figured specimen (1963, Pl. 3, fig. 5, text-fig. 9)—pygidium

On track S of Four Mile L. about 10 km S of Glenormiston hstd (loc. W2). Georgina Limestone

C.P.C. 4268—Figured specimen (1963, Pl. 3, fig. 6)—pygidium

About 11 km SW of Glenormiston hstd (loc. G50). Georgina Limestone

Early Upper Cambrian

C.P.C. 6722—Figured specimen (1967a, Pl. 67, fig. 6)—complete specimen

Glenormiston-Sylvester Cr. area (text-fig. 4), lat. 22° 57.5' S, long. 138° 41.5' E (loc. W20). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 6723—Figured specimen (1967a, Pl. 67, fig. 7)—pygidium

Glenormiston-Sylvester Cr. area, lat 23° 00' S, long. 138° 49' E (loc. W1). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

AGNOSTASCUS GRAVIS Öpik, 1967.

Agnostascus gravis Öpik, 1967a, p. 147, Pl. 61, figs 1-4, text-fig. 38.

C.P.C. 5890—Holotype (Pl. 61, fig. 1)—cephalon

C.P.C. 5893—Figured specimen (Pl. 61, figs 4a, 4b, text-fig. 38)—pygidium

Mungerebar-Mindyalla area (text-fig. 3), NW Qld, lat. 22° 15' S, long. 139° 00' E (loc. G119). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

C.P.C. 5891—Figured specimen (Pl. 61, fig. 2)—pygidium

C.P.C. 5892—Figured specimen (Pl. 61, fig. 3)—pygidium

Mungerebar-Mindyalla area (text-fig. 3), NW Qld, lat. 22° 09' S, long. 139° 11' E (loc. G317). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

AGNOSTASCUS sp. nov. aff. **GRAVIS** Öpik, 1967.

Agnostascus sp. nov. aff. *gravis* Öpik, 1967a, p. 148, Pl. 61, figs 5, 6.

C.P.C. 5894—Figured specimen (Pl. 61, fig. 5)—pygidium

Mungerebar-Mindyalla area (text-fig. 3), NW Qld, lat. 22° 09' S, long. 139° 11' E (loc. G8). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

C.P.C. 5895—Figured specimen (Pl. 61, fig. 6)—pygidium

Mungerebar-Mindyalla area (text-fig. 3), NW Qld, lat. 22° 07' S, long. 139° 12' E (loc. G8). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

AGNOSTOGONUS INCOGNITUS Öpik, 1967.

Agnostogonus incognitus Öpik, 1967a, p. 95, Pl. 57, figs 8, 9, text-fig. 21.

C.P.C. 5846—Holotype (Pl. 57, fig. 8, text-fig. 21, pars)—cephalon

C.P.C. 5847—Figured specimen (Pl. 57, fig. 9, text-fig. 21, pars)—pygidium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

AGNOSTUS ARTILIMBATUS Öpik, 1967.

Agnostus artilimbatus Öpik, 1967a, p. 97, Pl. 57, figs 10, 11, text-fig. 22.

C.P.C. 5848—Holotype (Pl. 57, fig. 10)—cephalon

C.P.C. 5849—Figured specimen (Pl. 57, fig. 11, text-fig. 22)—pygidium

About 15 km SE of Yarrie Rock Hole, Mungerebar-Mindyalla area, NW Qld, lat. 22° 09' S, long. 139° 11' E (loc. G417). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

AGNOSTUS aff. **AGNOSTUS PISIFORMIS** Linnaeus, 1758; Öpik, 1967.

Agnostus aff. *Agnostus pisiformis* Linnaeus, 1758; Öpik, 1967a, p. 96, Pl. 57, figs 12, 13.

C.P.C. 5850—Figured specimen (Pl. 57, fig. 12)—pygidium

C.P.C. 5851—Figured specimen (Pl. 57, fig. 13)—cephalon

About 15 km SE of Yarrie Rock Hole, Mungerebar-Mindyalla area, NW Qld, lat. 22° 09' S, long. 139° 11' E (loc. G417). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

AGNOSTUS? sp. aff. **AGNOSTUS PISIFORMIS SUBSULCATUS** Westergaard, 1946; Öpik, 1967.

Agnostus pisiformis subsulcatus Westergaard, 1946, p. 86, Pl. 6, figs 4, 5.

Agnostus? sp. aff. *Agnostus pisiformis subsulcatus* Westergaard; Öpik, 1967a, p. 98, Pl. 58, fig. 1.

C.P.C. 5852—Figured specimen (Pl. 58, fig. 1)—cephalon

About 10 km E of New Mungerebar, Mungerebar-Mindyalla area NW Qld, lat. 22° 15' S, long. 139° 00' E (loc. G119). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

AGNOSTUS sp. E (**AGNOSTUS** cf. **NEGLECTUS** Westergaard, 1946); Öpik, 1961.

Agnostus neglectus Westergaard, 1946, p. 85, Pl. 13, figs 7-9.

Agnostus sp. E (*Agnostus* cf. *neglectus* Westergaard); Öpik, 1961b, p. 75, Pl. 23, fig. 7, text-fig. 26 (not *Agnostus* sp. L, as on Pl. 23)

C.P.C. 3627—Figured specimen (Pl. 23, fig. 7)

Boundary Hill, headwaters of Burke R., Qld, lat. 21° 23' S, long. 139° 58' E (loc. D26). Devoncourt Limestone

C.P.C. 3490—Figured specimen (text-fig. 26)—pygidium

West Toko Range, N.T., lat. 22° 54' S, long. 137° 45' E (loc. T87). Devoncourt Limestone

Middle Cambrian

AGNOSTOGLOSSA BASSA Öpik, 1967.

Agnostoglossa bassa Öpik, 1967a, p. 145, Pl. 60, figs 6-14, text-fig. 44.

C.P.C. 5878—Holotype (Pl. 60, fig. 6, text-fig. 44, pars)—pygidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 15.5' S, long. 138° 57.5' E (loc. G150). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

C.P.C. 3879—Figured specimen (Pl. 60, fig. 7, text-fig. 44, pars)—pygidium

C.P.C. 5880—Figured specimen (Pl. 60, fig. 8)—cephalon

Mungerebar-Mindyalla area, lat. 22° 07' S, long. 139° 12' E (loc. G8). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

C.P.C. 5882—Figured specimen (Pl. 60, fig. 10)—cephalon

C.P.C. 5883—Figured specimen (Pl. 60, fig. 11)—pygidium

C.P.C. 5884—Figured specimen (Pl. 60, fig. 12, text-fig. 44, pars)—cephalon (specimen missing)

C.P.C. 5885—Figured specimen (Pl. 60, fig. 13)—cephalon

C.P.C. 5886—Figured specimen (Pl. 60, fig. 14)—pygidium

Mungerebar-Mindyalla area, lat. 22° 09' S, long. 139° 11' E (loc. G417). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

AGNOSTOTES INCONSTANS Öpik, 1963.

Agnostotes inconstans Öpik, 1963, p. 44, Pl. 3, figs 9-14; Pl. 4, fig. 13, text-figs 10-12.

C.P.C. 4272—Holotype (Pl. 3, fig. 11, text-fig. 12b)—pygidium

C.P.C. 4271—Figured specimen (Pl. 3, figs 9, 10)—pygidium

C.P.C. 4273—Figured specimen (Pl. 3, fig. 12)—pygidium

C.P.C. 4274—Figured specimen (Pl. 3, figs 13, 14, text-fig. 10, 12a)—cephalon

About 8 km E of Pomegranate Cr., NW Qld (loc. D120a). Pomegranate Limestone

Early Upper Cambrian

AGNOSTUS INEXPECTANS Kobayashi, 1938; Öpik, 1963.

See also **INNITAGNOSTUS INEXPECTANS** (Kobayashi, 1938); Öpik, 1963.

Agnostus inexpectans Kobayashi, 1938, p. 172, Pl. 16, figs 30-33; Öpik, 1963, p. 35, Pl. 2, figs 10-13, text-fig. 6

C.P.C. 4260—Figured specimen (Pl. 2, figs 10-12, text-fig. 6)—complete specimen

About 8 km E of Pomegranate Cr., NW Qld (loc. D120a). Pomegranate Limestone

C.P.C. 4261—Figured specimen (Pl. 2, fig. 13)—cephalon

At foot of De Little Range on Wills Cr., NW Qld (loc. D126). Pomegranate Limestone

Early Upper Cambrian

ALOMATASPIS ENODIS Öpik, 1967.

Alomataspis enodis Öpik, 1967a, p. 176, Pl. 2, figs 5, 6, text-fig. 56

C.P.C. 5365—Holotype (Pl. 2, fig. 5, text-fig. 56)—cranidium

C.P.C. 5366—Figured specimen (Pl. 2, fig. 2)—pygidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 08' S, long. 138° 57' E (loc. G103).

Top of Steamboat Sandstone passing into Mungerebar Limestone

Middle Cambrian-Upper Cambrian Passage

AMMAGNOSTUS EURYAXIS Öpik, 1967.

Ammagnostus euryaxis Öpik, 1967a, p. 143, Pl. 66, fig. 9, text-fig. 42

C.P.C. 6713—Holotype (Pl. 66, fig. 9, text-fig. 142)—pygidium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

AMMAGNOSTUS INTEGRICEPS Öpik, 1967.

Ammagnostus integriceps Öpik, 1967a, p. 141, Pl. 66, figs 5-8, text-fig. 41

C.P.C. 5940—Holotype (Pl. 66, figs 6a, 6b)—pygidium

C.P.C. 5939—Figured specimen (fig. 5)—cephalon

C.P.C. 6711—Figured specimen (fig. 7, text-fig. 41, pars)—pygidium

C.P.C. 6712—Figured specimen (Pl. 55, fig. 8, text-fig. 14, pars)—pygidium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 9.5' E (loc. D29). O'Hara Shale, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

AMMAGNOSTUS MITIS Öpik, 1967.

Ammagnostus mitis Öpik, 1967a, Pl. 66, fig. 10, 11, text-fig. 43

C.P.C. 6714—Holotype (Pl. 60, fig. 10, text-fig. 43)—pygidium

C.P.C. 6715—Figured specimen (Pl. 66, fig. 11)—pygidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 08' S, long. 139° 15' E (loc. G10).

Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

AMMAGNOSTUS PSAMMIUS Öpik, 1967.

Ammagnostus psammius Öpik, 1967a, p. 139, Pl. 55, fig. 3; Pl. 66, figs 1-4, text-fig. 40

C.P.C. 5937—Holotype (Pl. 66, fig. 3, text-fig. 40, pars)—pygidium

C.P.C. 5938—Figured specimen (Pl. 66, fig. 4)—pygidium

Selwyn Range area, NW Qld, lat. 21° 25' S, long. 140° 00' E (loc. D6). O'Hara Shale, Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5935—Figured specimen (Pl. 66, fig. 1, text-fig. 40, pars)—cephalon

C.P.C. 5936—Figured specimen (Pl. 66, fig. 2)—cephalon

C.P.C. 5815—Figured specimen (Pl. 55, fig. 3)—pygidium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

AMPHOTON? ARTA Öpik, 1961.

Amphoton? arta Öpik, 1961b, p. 114, Pl. 13, fig. 10, text-fig. 48

C.P.C. 3540—Holotype (Pl. 13, fig. 10, text-fig. 48)

Road crossing Boomerang Cr., headwaters of Burke R., Qld, lat. 21° 19.5' S, long. 140° 04' E (loc. D18). Devoncourt Limestone

Middle Cambrian

AMPHOTON BENSONI Öpik, 1961.

Amphoton bensoni, Öpik, 1961b, p. 136, Pl. 11, figs 1-7, text-fig. 47

C.P.C. 3517—Holotype (Pl. 11, figs 1a, 1b, text-fig. 47 pars)—cranidium

About 11 km E of Duchess, headwaters of Burke R., Qld, lat. 21° 22' S, long. 139° 58' E (loc. D17A). Devoncourt Limestone

C.P.C. 3516—Paratype (Pl. 11, fig. 2)—complete specimen

C.P.C. 3518—Figured specimen (Pl. 11, fig. 4)—cranidium

C.P.C. 3519—Figured specimen (Pl. 11, figs 3a, 3b, text-fig. 47, pars)—cranidium

C.P.C. 3520—Figured specimen (Pl. 11, fig. 5)—pygidium

C.P.C. 3521—Figured specimen (Pl. 11, fig. 6)—pygidium

C.P.C. 3522—Figured specimen (Pl. 11, fig. 7)—pygidium

Fault block at N end of Pilgrim Fault, Burke R., Qld, lat. 21° 20' S, long. 139° 57' E (loc. D19A). Devoncourt Limestone

Middle Cambrian

ANOPOCODIA GLOBICEPS Öpik, 1967.

Anopocodia globiceps Öpik, 1967a, p. 379, Pl. 16, figs 4, 5, text-fig. 144

C.P.C. 5489—Holotype (Pl. 16, fig. 5, text-fig. 144)—cephalon

CPC 5488—Figured specimen (Pl. 16, fig. 4)—cephalon

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale, Mindyallan Zone of *Glyptagnostus stolidus*

Early Upper Cambrian

? **APHELASPIS** sp. B Öpik, 1963.

? *Aphelaspis* sp. B Öpik, 1963, p. 76, Pl. 4, figs 14, 15, text-fig. 25

C.P.C. 4286—Figured specimen (Pl. 4, fig. 14, text-fig. 25)—cranidium

C.P.C. 4285—Figured specimen (Pl. 4, fig. 15)—cranidium

About 10 km E of Pomegranate Bore, NW Qld (loc. D120b.) Pomegranate Limestone

Early Upper Cambrian

ASCIONEPEA ANITYS Öpik, 1967.

Ascionepea anitys Öpik, 1967a, p. 366, Pl. 40, figs 4-6, Pl. 46, fig. 4

C.P.C. 5673—Holotype (Pl. 40, fig. 6)—cranidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 13' S, long. 139° 01' E (loc. G429). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

C.P.C. 5671—(Pl. 40, fig. 4)—cranidium

C.P.C. 5721—(Pl. 46, fig. 4, pars)—cranidium

Mungerebar-Mindyalla area, lat. 22° 15' S, long. 139° 00' E (loc. G119). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

C.P.C. 5672—Figured specimen (Pl. 40, fig. 5)—cranidium

Mungerebar-Mindyalla area, lat. 22° 15' S, long. 139° 128' E (loc. G8). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

ASCIONEPEA sp. aff. **ANITYS** Öpik, 1967.

Ascionepea sp. aff. *anitys* Öpik, 1967a, p. 366, Pl. 40, fig. 7

C.P.C. 5674—Figured specimen (Pl. 40, fig. 7)—cranidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 15' S, long. 139° 00' E (loc. G119). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

ASCIONEPEA JANITRIX Öpik, 1967.

Ascionepea janitrix Öpik, 1967a, p. 365, Pl. 40, fig. 3

C.P.C. 5670—Holotype (Pl. 40, fig. 3)—cranidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 08' S, long. 138° 57' E (loc. G103). Top of Steamboat Sandstone; transition of Steamboat Sandstone and Mungerebar Limestone

Middle/Upper Cambrian Passage

ASILLUCHUS NANUS Öpik, 1963.

Asilluchus nanus Öpik, 1963, p. 67, Pl. 6, fig. 8, text-figs 19, 20

C.P.C. 4294—Holotype (Pl. 6, fig. 8, text-fig. 19)—cranidium

About 10 km E of Pomegranate Bore, NW Qld (loc. D120b). Pomegranate Limestone

C.P.C. 4305—Figured specimen (text-fig. 20)—cranidium

W side of track about 22 km SSE of Glenormiston hstd, and 12 km N of Twenty Mile Bore, NW Qld (loc. W10). Georgina Limestone

Early Upper Cambrian

ASPIDAGNOSTUS INQUILINUS Öpik, 1967.

Aspidagnostus inquilinus Öpik, 1967a, p. 120, Pl. 41, fig. 11; Pl. 45, fig. 1; Pl. 56, figs 1-10, text-figs 31-33

C.P.C. 5828—Holotype (Pl. 56, fig. 1, text-fig. 32, pars)—cephalon

C.P.C. 5830—Figured specimen (Pl. 56, fig. 3)—cephalon

C.P.C. 5829—Figured specimen (Pl. 56, fig. 2, text-fig. 32, pars)—cephalon

C.P.C. 5831—Figured specimen (Pl. 56, fig. 4)—pygidium

C.P.C. 5832—Figured specimen (Pl. 56, fig. 5, text-fig. 33)—pygidium

Glenormiston-Sylvester Cr. area, NW Qld, lat. 23° 00' S, long. 138° 49' E (loc. W1). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5834—Figured specimen (Pl. 56, fig. 7, text-fig. 31)—cephalon

C.P.C. 5833—Figured specimen (Pl. 56, fig. 6)—pygidium

Wills Cr. De Little Range area, NW Qld, lat. 22° 19' S, long. 139° 52' E (loc. B537). Pomegranate Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5837—Figured specimen (Pl. 56, fig. 10)—cephalon

C.P.C. 5836—Figured specimen (Pl. 56, fig. 9)—cephalon

Selwyn Range area, NW Qld, lat. 21° 25' S, long. 140° 00' E (loc. D6). O'Hara Shale, Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5714—Figured specimen (Pl. 45, fig. 1)—cephalon

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 58' E (loc. D28). O'Hara Shale, Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5687—Figured specimen (Pl. 41, fig. 11)—pygidium

C.P.C. 5835—Figured specimen (Pl. 56, fig. 8)—pygidium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59' E (loc. D29). O'Hara Shale, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

ASPIDAGNOSTUS STICTUS Öpik, 1967.

Aspidagnostus stictus Öpik, 1967a, p. 118, Pl. 55, figs 10-15, text-fig. 29

C.P.C. 5822—Holotype (Pl. 55, fig. 10, text-fig. 29, pars)—cephalon

C.P.C. 2923—Figured specimen (Pl. 55, fig. 11, text-fig. 29, pars)—pygidium

Wills Cr. at foot of De Little Range, NW Qld, lat. 22° 16' S, long. 139° 51' E (loc. B259, near D126). Pomegranate Limestone Idamean Zone of *Glyptagnostus reticulatus*

C.P.C. 5824—Figured specimen (Pl. 55, fig. 12)—pygidium

C.P.C. 5325—Figured specimen (Pl. 55, fig. 13)—pygidium

C.P.C. 5826—Figured specimen (Pl. 55, fig. 14)—cephalon

C.P.C. 5827—Figured specimen (Pl. 55, fig. 15)—cephalon

Wills Cr. at foot of De Little Range, NW Qld, lat. 22° 16' S, long. 139° 51' E (loc. D126). Pomegranate Limestone, Idamean Zone of *Glyptagnostus reticulatus* (lower portion)

Early Upper Cambrian

AULACODIGMA ILLIMBATUM Öpik, 1967.

Aulacodigma illimbatum Öpik, 1967a, p. 377, Pl. 42, figs 1, 2, text-fig. 143

C.P.C. 5688—Holotype (Pl. 42, fig. 1, text-fig. 143)—cephalon

Wills Cr. De Little Range area, NW Qld, lat. 22° 19' S, long. 139° 52' E (loc. 537). Pomegranate Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5689—Figured specimen (Pl. 42, fig. 2)—cephalon

Wills Cr. De Little Range area, lat. 22° 15' S, long. 139° 50' E (loc. B525). Pomegranate Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

AULACODIGMA QUASISPINALE Öpik, 1967.

Aulacodigma quasispinale Öpik, 1967a, p. 374, Pl. 40, figs 8, 9; Pl. 41, figs 1-10, text-fig. 142

C.P.C. 5676—Holotype (Pl. 40, fig. 9, text-fig. 142, pars)—complete specimen

C.P.C. 5675—Figured specimen (Pl. 40, fig. 8)—complete specimen

C.P.C. 5677—Figured specimen (Pl. 41, fig. 1)—pygidium and part of thorax

C.P.C. 5678—Figured specimen (Pl. 41, fig. 2)—cephalon

C.P.C. 5680—Figured specimen (Pl. 41, fig. 4)—cephalon

Glenormiston-Sylvester Cr. area, NW Qld, lat. 22° 57.5' S, long. 138° 41.5' E (loc. W20). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5679—Figured specimen (Pl. 41, fig. 3)—free cheek

C.P.C. 5681—Figured specimen (Pl. 41, fig. 5)—cephalon

C.P.C. 5682—Figured specimen (Pl. 41, fig. 6)—cranidium

C.P.C. 5683—Figured specimen (Pl. 41, fig. 7)—cranidium

C.P.C. 5684—Figured specimen (Pl. 41, fig. 8)—cephalon

C.P.C. 5685—Figured specimen (Pl. 41, fig. 9a)—cephalon

C.P.C. 5686—Figured specimen (Pl. 41, fig. 10)—cephalon

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

AURITAMA AURITA Öpik, 1967.

Auritama aurita Öpik, 1967a, p. 216, Pl. 13, figs 9-13; Pl. 14, figs 1, 2, text-fig. 74

C.P.C. 5467—Holotype (Pl. 13, fig. 12, text-fig. 74, pars)—cranidium

C.P.C. 5464—Figured specimen (Pl. 13, fig. 9, text-fig. 74, pars)—cranidium

C.P.C. 5465—Figured specimen (Pl. 13, fig. 10, text-fig. 74, pars)—cranidium

C.P.C. 5466—Figured specimen (Pl. 13, fig. 11, text-fig. 74, pars)—cranidium

C.P.C. 5468—Figured specimen (Pl. 13, fig. 13)—pygidium

C.P.C. 5469—Figured specimen (Pl. 14, fig. 1, text-fig. 74, pars)—pygidium

C.P.C. 5470—Figured specimen (Pl. 14, fig. 2, text-fig. 74, pars)—free cheek

Glenormiston-Sylvester Cr. area, NW Qld, lat. 22° 58' S, long. 138° 41' E (loc. W18). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

AURITAMA EXPANSA Öpik, 1967.

Auritama expansa Öpik, 1967a, p. 220, Pl. 16, fig. 6

C.P.C. 5490—Holotype—cranidium

Glenormiston-Sylvester Cr. area, NW Qld, lat. 22° 59' S, long. 138° 43' E (loc. G48). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

AURITAMA TRILUNATA Öpik, 1967.

Auritama trilunata Öpik, 1967a, p. 218, Pl. 14, figs 3-6; Pl. 15, figs 1-10 (not 1-11 as shown on p. 218); Pl. 16, fig. 3; Pl. 56, fig. 10, text-fig. 75.

C.P.C. 5472—Holotype (Pl. 14, fig. 4)—cranidium

C.P.C. 5471—Figured specimen (Pl. 14, figs 3a, 3b)—cranidium

C.P.C. 5473—Figured specimen (Pl. 14, fig. 5)—cranidium

C.P.C. 5476—Figured specimen (Pl. 15, fig. 2)—free cheek

C.P.C. 5477—Figured specimen (Pl. 15, fig. 3)—cranidium

C.P.C. 5481—Figured specimen (Pl. 15, fig. 7, text-fig. 75, pars)—pygidium

C.P.C. 5482—Figured specimen (Pl. 15, fig. 8, text-fig. 75, pars)—pygidium

C.P.C. 5484—Figured specimen (Pl. 15, fig. 10)—pygidium

C.P.C. 5487—Figured specimen (Pl. 16, fig. 3)—cranidium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59' E (loc. D29). O'Hara Shale ('lower chert bed') Mindyallan Zone of *Glyptagnostus stolidotus* (Pl. 14, figs 3-6 (loc. D29) should read figs 3-5)

C.P.C. 5475—Figured specimen (Pl. 15, fig. 1)—free cheek

Selwyn Range area, lat. 21° 26' S, long. 139° 58' E (loc. D28). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5474 (not 5476 as shown in p. 220)—Figured specimen (Pl. 14, fig. 6, text-fig. 75, pars)—pygidium

C.P.C. 5478—Figured specimen (Pl. 15, fig. 4)—cranidium

C.P.C. 5483—Figured specimen (Pl. 15, fig. 9)—pygidium

C.P.C. 5838—Figured specimen (Pl. 56, fig. 10)—cranidium

Selwyn Range area, lat. 21° 25' S, long. 140° 00' E (loc. D6). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5479—Figured specimen (Pl. 15, fig. 5)—cranidium

Glenormiston-Sylvester Cr. area, lat. 22° 51' S, long. 138° 43' E (loc. G50). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5480—Figured specimen (Pl. 15, fig. 6)—cranidium

Glenormiston-Sylvester Cr. area, lat. 22° 58' S, long. 138° 43' E (loc. G49). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

AVONINA sp. nov. Öpik, 1967.

Avonina sp. nov. Öpik, 1967a, p. 211, Pl. 9, fig. 6

C.P.C. 5425—Figured specimen (complete specimen)

Glenormiston-Sylvester Cr. area, lat. 22° 57.5' S, long. 138° 41.5' E, NW Qld (loc. D20). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

BIAVERTA BIAVERTA Öpik, 1967.

Biaverta biaverta Öpik, 1967a, p. 386, Pl. 37, fig. 6; Pl. 38, figs 1-9, text-fig. 141

- C.P.C. 5647—Holotype (Pl. 37, fig. 6, text-fig. 141, pars)—cranidium
- C.P.C. 5648—Figured specimen (Pl. 38, figs 1a, 1b)—cranidium
- C.P.C. 5649—Figured specimen (Pl. 38, figs 2a-2c, text-fig. 141, pars)—cranidium
- C.P.C. 5650—Figured specimen (Pl. 38, fig. 3)—cranidium
- C.P.C. 5651—Figured specimen (Pl. 38, fig. 4)—cranidium
- C.P.C. 5652—Figured specimen (Pl. 38, fig. 5)—free cheek
- C.P.C. 5654—Figured specimen (Pl. 38, figs 7a, 7b)—cranidium
- C.P.C. 5658, 5657, 5655—Figured specimens (Pl. 38, fig. 8)—cranidia
- Selwyn Range area, NW Qld, lat. $21^{\circ} 26' S$, long. $139^{\circ} 59.5' E$ (loc. D29). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*
- C.P.C. 5653—Figured specimen (Pl. 38, fig. 6)—cranidium
- Glenormiston-Sylvester Cr. area, lat. $22^{\circ} 56' S$, long. $138^{\circ} 40' E$ (loc. W21). Mungerebar Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*
- C.P.C. 6741—Unfigured specimen—free cheek
- Selwyn Range area, lat. $21^{\circ} 25' S$, long. $140^{\circ} 00' E$ (loc. D6). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

BIAVERTA REINERI Öpik, 1967.

- Biaverta reineri* Öpik, 1967a, p. 371, Pl. 39, figs 1-5
- C.P.C. 5660—Holotype (Pl. 39, figs 1a, 1b)—cranidium
- C.P.C. 5662—Figured specimen (Pl. 39, fig. 3)—cranidium
- Mungerebar-Mindyalla area, NW Qld, lat. $22^{\circ} 15' S$, long. $138^{\circ} 59' E$ (loc. G119). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

- C.P.C. 5661—Figured specimen (Pl. 39, fig. 2)—cranidium

Mungerebar-Mindyalla area (text-fig. 3), lat. $22^{\circ} 09' S$, long. $139^{\circ} 11' E$ (loc. G417). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

- C.P.C. 5663—Figured specimen (Pl. 39, fig. 4)—cranidium

- C.P.C. 5664—Figured specimen (Pl. 39, fig. 5)—cranidium

Mungerebar-Mindyallan area, lat. $22^{\circ} 07' S$, long. $139^{\circ} 12' E$ (loc. G8). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

BLACKWELDERIA GIBBERINA Öpik, 1967.

Blackwelderia gibberina Öpik, 1967a, p. 313, Pl. 48, figs 1-3, text-fig. 114

- C.P.C. 5737—Holotype (Pl. 48, fig. 1, text-fig. 114)—pygidium

Glenormiston-Sylvester Cr. area, lat. $23^{\circ} 00' S$, long. $138^{\circ} 42' E$, NW Qld, (loc. W15). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

- C.P.C. 5739—Figured specimen (Pl. 48, fig. 3)—pygidium

Glenormiston-Sylvester Cr. area, lat. $22^{\circ} 59' S$, long. $138^{\circ} 45' E$ (loc. G48). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

BLACKWELDERIA REPANDA Öpik, 1967.

Blackwelderia repanda Öpik, 1967a, p. 315, Pl. 32, fig. 2; Pl. 47, fig. 10

- C.P.C. 5736—Holotype (Pl. 47, fig. 10)—pygidium

- C.P.C. 5605—Figured specimen (Pl. 32, fig. 2)—cranidium

Selwyn Range area, NW Qld, lat. $21^{\circ} 26' S$, long. $139^{\circ} 59.5' E$ (loc. D29). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

BLACKWELDERIA SABULOSA Öpik, 1967.

Blackwelderia sabulosa Öpik, 1967a, p. 309, Pl. 4, figs 6-8, text-figs 111-113

C.P.C. 5724—Holotype (Pl. 46, figs 6a-6c, text-fig. 111, pars)—cranidium

C.P.C. 5725—Figured specimen (Pl. 46, fig. 7)—cranidium

C.P.C. 5726—Figured specimen (Pl. 46, fig. 8)—cranidium

C.P.C. 5727—Figured specimen (Pl. 47, fig. 1)—cranidium

C.P.C. 5728—Figured specimen (Pl. 47, fig. 2)—free cheek

C.P.C. 5729—Figured specimen (Pl. 47, fig. 3, text-fig. 112, pars)—free cheek

C.P.C. 5730—Figured specimen (Pl. 47, fig. 4, text-fig. 112, pars)—free cheek

C.P.C. 5731—Figured specimen (Pl. 47, fig. 5)—hypostoma

C.P.C. 5732—Figured specimen (Pl. 47, fig. 6)—pygidium

C.P.C. 5733—Figured specimen (Pl. 47, fig. 7)—pygidium

C.P.C. 5734—Figured specimen (Pl. 47, fig. 8, text-fig. 113, pars)—pygidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 17.5' S, long. 138° 59.5' E (loc. G127). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

BLACKWELDERIA ? sp. A Öpik, 1967.

Blackwelderia ? sp. A Öpik, 1967a, p. 317, Pl. 50, fig. 1

C.P.C. 5749—Figured specimen—pygidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 17' S, long. 138° 58.5' E (loc. G 125). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

BLACKWELDERIA ? sp. B Öpik, 1967.

Blackwelderia ? sp. B Öpik, 1967a, p. 317, Pl. 50, fig. 2

C.P.C. 5750—Figured specimen—pygidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 17.5' S, long. 138° 59.5' E (loc. G127). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

BLOUNTIA (MINDYCRUSTA) ADVENA Öpik, 1967.

Blountia (Mindycrusta) Advena Öpik, 1967a, p. 241, Pl. 3, figs 3-8, text-fig. 83

C.P.C. 5458—Holotype (Pl. 13, fig. 3, text-fig. 83)—cranidium

Inlier in Wills Cr., De Little Range area, NW Qld, lat. 22° 16' S, long. 139° 51' E (loc. B259). Pomegranate Limestone, Idamean Zone of *Glyptagnostus reticulatus*.

C.P.C. 5459—Figured specimen (Pl. 13, fig. 4)—pygidium

C.P.C. 5460—Figured specimen (Pl. 13, figs 5a, 5b)—cranidium

C.P.C. 5461—Figured specimen (Pl. 13, fig. 6)—cranidium

C.P.C. 5462—Figured specimen (Pl. 13, fig. 7)—cranidium

C.P.C. 5463—Figured specimen (Pl. 13, fig. 8)—cranidium

Wills Cr. De Little Range area, lat. 22° 16' S, long. 139° 51' E (loc. D126). Pomegranate Limestone, Idamean Zone of *Glyptagnostus reticulatus*

Early Upper Cambrian

BLOUNTIA (MINDYCRUSTA) COMPACTA Öpik, 1967.

Blountia (Mindycrusta) compacta Öpik, 1967a, p. 238, Pl. 12, figs 4-6

C.P.C. 5453—Holotype (Pl. 12, figs 4a, b)—cranidium

C.P.C. 5454—Figured specimen (Pl. 12, figs 5a, b)—cranidium

C.P.C. 5455—Figured specimen (Pl. 12, figs 6, 7)—pygidium

Glenormiston-Sylvester Cr. area, NW Qld, lat. 22° 51.5' S, long. 138° 43' E (loc. G50). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

BLOUNTIA (MINDYCRUSTA) MINDYCRUSTA Öpik, 1967.

Blountia (Mindycrusta) mindycrusta Öpik, 1967a, p. 233, Pl. 11, figs 4-10; Pl. 12, figs 1-3, text-fig. 82

C.P.C. 5443—Holotype (Pl. 11, fig. 4, text-fig. 82, pars)—complete specimen

C.P.C. 5444—Figured specimen (Pl. 11, fig. 5)—pygidium and thorax

C.P.C. 5445—Figured specimen (Pl. 11, fig. 6)—complete specimen

C.P.C. 5446—Figured specimen (Pl. 11, fig. 7, text-fig. 82, pars)—pygidium

C.P.C. 5448—Figured specimen (Pl. 11, fig. 9)—pygidium

C.P.C. 5449—Figured specimen (Pl. 11, fig. 10)—pygidium

C.P.C. 5450—Figured specimen (Pl. 12, figs 1a, b)—free cheek

Glenormiston-Sylvester Cr. area, NW Qld, lat. 22° 57.5' S, long. 138° 41.5' E (loc. W20). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5447—Figured specimen (Pl. 11, fig. 8)—pygidium

Selwyn Range area, lat. 21° 26' S, long. 139° 59' E (loc. D29). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5451—Figured specimen (Pl. 12, figs 2a, b, text-fig. 82, pars)—cranidium

C.P.C. 5452—Figured specimen (Pl. 12, fig. 3)—pygidium and part of thorax

Glenormiston-Sylvester Cr. area, NW Qld, lat. 22° 51.5' S, long. 138° 43' E (loc. G50). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

BLOUNTIA (MINDYCRUSTA) NOTOSTENA Öpik, 1967.

Blountia (Mindycrusta) notostena Öpik, 1967a, p. 240, Pl. 13, figs 1, 2

C.P.C. 5457—Holotype (Pl. 13, fig. 2)—pygidium

C.P.C. 5456—Figured specimen (Pl. 13, fig. 1)—cranidium

Wills Cr., De Little Range area, NW Qld, lat. 22° 19' S, long. 139° 52' E (loc. B537). Pomegranate Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

BLOUNTIA (?MINDYCRUSTA) GEORGINAE Öpik, 1967.

Blountia (? Mindycrusta) georginae Öpik, 1967a, p. 243, Pl. 10, figs 10, 11

C.P.C. 5437—Holotype (Pl. 10, fig. 10)—pygidium

C.P.C. 5438—Figured specimen (Pl. 10, fig. 11)—cranidium

Glenormiston-Sylvester Cr. area, NW Qld, lat. 23° 07.5' S, long. 138° 51.5' E (loc. W10). Georgina Limestone, Idamean Zone of *Erixanium sentum*

Early Upper Cambrian

BLYSTAGNOSTUS LACINIATUS Öpik, 1961.

Blystagnostus laciniatus Öpik, 1961b, p. 95, Pl. 23, figs 5, 6

C.P.C. 3628—Holotype (Pl. 23, fig. 5)—pygidium

C.P.C. 3629—Paratype (Pl. 23, fig. 6)—pygidium

Roaring Bore, headwaters of Burke R., Qld, lat. 21° 18.5' S, long. 140° 05' E (loc. D7/15). 45-55 m below top of Roaring Siltstone

Middle Cambrian

BRASSICICEPHALUS sp. indet. Öpik, 1967.

Brassicicephalus sp. indet., Öpik, 1967a, p. 347, Pl. 36, figs 7, 8

C.P.C. 5636—Figured specimen (Pl. 36, fig. 7)—cranidium

C.P.C. 5637—Figured specimen (Pl. 36, fig. 8)—cranidium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29)

O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

CATILLICEPHALIDAE gen. nov. et sp. nov. Öpik, 1967.

Catillicephalidae gen. nov. et sp. nov., Öpik, 1967a, p. 207, Pl. 9, fig. 5

C.P.C. 5424—Figured specimen—cranium

Glenormiston-Sylvester Cr. area NW Qld, lat. 23° 00' S, long. 138° 42' E (loc. W15). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

CATILLICEPHALA sp. indet. Öpik, 1967.

Catillicephala sp. indet. Öpik, 1967a, p. 206, Pl. 9, fig. 8

C.P.C. 5427—Figured specimen—cranium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29)

O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

CENTROPLEURA PHOENIX Öpik, 1961.

Centropleura phoenix Öpik, 1961b, p. 105, Pls 2-8, 14, fig. 6, text-figs 35-43

C.P.C. 3484—Holotype (Pl. 2, text-fig. 35)—complete specimen

C.P.C. 3487—Paratype (Pl. 3, fig. 3)—free cheek

C.P.C. 3486—Figured specimen (Pl. 3, fig. 3)—free cheek

C.P.C. 3489—Figured specimen (Pl. 3, fig. 4)—hypostoma

C.P.C. 3488—Figured specimen (Pl. 3, fig. 5)—free pleura

C.P.C. 575—Figured specimen (Pl. 3, fig. 6)—pleura

C.P.C. 3494—Figured specimens (Pl. 4, fig. 2)—cranium; (Pl. 5, figs A-E)—cranium; (Pl. 6, figs A-C)—cranium; (Pl. 7, fig. 4)—frontal lobe

C.P.C. 3499—Figured specimen (Pl. 8, fig. 1)—pygidium

C.P.C. 3500—Figured specimen (Pl. 8, figs 2a, 2b)—pygidium and posterior segment

C.P.C. 3491—Figured specimen (Pl. 8, figs 3a, 3b; text-fig. 43, pars)

C.P.C. 3501—Figured specimen (Pl. 8, fig. 4)—pygidium and parts of thorax

S side of Duchess Road, headwaters of Burke R., Qld, (loc. D16)

Devoncourt Limestone

C.P.C. 3485—Figured specimen (Pl. 3, fig. 1)—cranium and part of thorax

C.P.C. 576—Figured specimen (Pl. 4, fig. 1)—first segment

C.P.C. 3493—Figured specimen (Pl. 4, figs 3a, 3b)—cranium

S of Duchess Road and 1 km E of Pilgrim Fault, 10-11 km E of Duchess, headwaters of Burke R. (loc. D13A)

Devoncourt Limestone

Middle Cambrian

CENTROPLEURA SONAX Öpik, 1961.

Centropleura sonax Öpik, 1961b, p. 131, Pl. 9, fig. 10, text-fig. 44

C.P.C. 3504—Holotype (Pl. 9, fig. 1, text-fig. 44)—cranium

C.P.C. 3505—Paratype A (Pl. 9, fig. 2)—small cranium

C.P.C. 3506—Paratype B (Pl. 9, figs 4a, 4b, 4c)—large pygidium

C.P.C. 3507—Paratype C (Pl. 9, fig. 3)—small pygidium

C.P.C. 3508—Figured specimen (Pl. 10, fig. 10)—pleura

Roaring Bore, headwaters of Burke R., Qld, lat. 21° 18.5' S, long. 140° 05' E (loc. D7/15). 45-55 m below top of Roaring Siltstone

Middle Cambrian

CENTROPLEURA sp. Öpik, 1961.

Centropleura sp., Öpik, 1961a, p. 426, Pl. 68, figs 3, 4, text-fig. 13

C.P.C. 575—(fig. 3, text-fig. 13)

C.P.C. 576—(fig. 4, rubber cast)—Figured specimens
25 km E of Duchess, NW Qld. Devoncourt Limestone

Upper Middle Cambrian

CERMATASPIS ABUNDANS Öpik, 1967.

Cermataspis abundans Öpik, 1967a, p. 205, Pl. 7, fig. 9; Pl. 8, figs 1, 6, text-fig. 71 (fig. 9 should read fig. 6)

C.P.C. 5413—Holotype (Pl. 8, fig. 1, text-fig. 71, pars)—cranidium

C.P.C. 5419—Figured specimen (Pl. 8, fig. 6, text-fig. 71, pars)—cranidium

Mungerebar-Mindyallan area, NW Qld, lat. 22° 09' S, long. 139° 11' E (loc. G417). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*.

C.P.C. 5412—Figured specimen (Pl. 7, fig. 9)—cranidium

Mungerebar-Mindyalla area, lat. 22° 07' S, long. 139° 12' E (loc. G8)

Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

CLAVAGNOSTUS BISECTUS Öpik, 1967.

Clavagnostus bisectus Öpik, 1967a, p. 114, Pl. 55, figs 6-9

C.P.C. 5820—Holotype (Pl. 55, fig. 8)—cephalon

C.P.C. 5819—Figured specimen (Pl. 55, fig. 7)—cephalon

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29)

O'Hara Shale (lower chert bed), Mindyallan Zone of *Erediaspis eretes*

C.P.C. 5818—Figured specimen (Pl. 55, fig. 6)—cephalon

Glenormiston-Sylvester Cr. area NW Qld, lat. 23° 00' S, long. 138° 49' E (loc. W1). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5821—Figured specimen (Pl. 55, fig. 9)—pygidium

About 15 km SE of Yarrie Rock Hole, Mungerebar-Mindyalla area, lat. 22° 09' S, long. 139° 11' E (loc. G417). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

CONNAGNOSTUS VENERABILIS Öpik, 1967.

Connagnostus venerabilis Öpik, 1967a, p. 130, Pl. 54, figs 11-14; Pl. 55, figs 1, 2, text-fig. 36 A-C

C.P.C. 5809—Holotype (Pl. 54, figs 11a, b, text-fig. 36A)—pygidium

C.P.C. 5810—Figured specimen (Pl. 54, fig. 12, text-fig. 36B)—pygidium

C.P.C. 5811—Figured specimen (Pl. 54, fig. 13, text-fig. 36C)—pygidium

C.P.C. 5812—(not 6812 as in text, p. 131)—Figured specimen (Pl. 54, fig. 14)—cephalon

Glenormiston-Sylvester Cr. NW Qld, lat. 23° 00' S, long. 138° 49' E (loc. W1). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5813—Figured specimen (Pl. 55, fig. 1)—pygidium

C.P.C. 5814—Figured specimen (Pl. 55, fig. 2)—pygidium (delete 1 after 5814 on plate)

Selwyn Range, lat. 21° 26' S, long. 139° 59.5' E (loc. D29)

O'Hara Shale (lower chert bed). Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

CONNAGNOSTUS? ZONATUS Öpik, 1967.

Connagnostus? zonatus Öpik, 1967a, p. 132, Pl. 55, fig. 5

C.P.C. 5817—Holotype—pygidium

Mungerebar-Mindyalla area NW Qld, lat. 22° 07' S, long. 139° 14' E (loc. G137). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

CORYNEXOCHUS PLUMULA Whitehouse, 1939; Öpik, 1967.

Corynexochus plumula Whitehouse, 1939, p. 234, Pl. 24, figs 8-10; Öpik, 1967a, p. 178, Pl. 3, figs 1-11, text-fig. 57

C.P.C. 5369—Figured specimen (Pl. 3, fig. 1, text-fig. 57)—cranidium

C.P.C. 5373—Figured specimen (Pl. 3, fig. 5)—hypostoma and rostral shield

C.P.C. 5375—Figured specimen (Pl. 3, fig. 7)—pygidium

Glenormiston-Sylvester Cr. area, NW Qld, lat. 23° 07' S, long. 138° 51.5' E (loc. W10). Georgina Limestone, Idamean Zone of *Corynexochus plumula*

C.P.C. 5370—Figured specimen (Pl. 3, fig. 2)—cranidium (delete 'T' after 5372, p. 181)

C.P.C. 5372—Figured specimen (Pl. 3, figs 4a, b)—cranidium

C.P.C. 5376—Figured specimen (Pl. 3, fig. 8)—pygidium

C.P.C. 5379—Figured specimen (Pl. 3, fig. 11)—pygidium

Glenormiston-Sylvester Cr. area, lat. 23° 07' S, long. 138° 52' E (loc. W41)

Georgina Limestone, Idamean Zone of *Corynexochus plumula*

C.P.C. 5371—Figured specimen (Pl. 3, fig. 3)—rostral shield and hypostoma

C.P.C. 5377—Figured specimen (Pl. 3, fig. 9)—pygidium

C.P.C. 5378—Figured specimen (Pl. 3, fig. 10)—pygidium

Glenormiston-Sylvester Cr. area, lat. 23° 26' S, long. 138° 57' E (loc. W39).

Georgina Limestone, Idamean Zone of *Corynexochus plumula*

C.P.C. 5374—Figured specimen (Pl. 3, fig. 6)—pygidium

Glenormiston-Sylvester Cr. area, lat. 23° 26' S, long. 138° 57' E (loc. W39).

Georgina Limestone, Idamean Zone of *Corynexochus plumula*

Early Upper Cambrian

CREPICEPHALUS (?) sp. H Öpik, 1961.

Crepicephalus (?) sp. H Öpik, 1961b, p. 172, Pl. 13, fig. 9, text-fig. 57

C.P.C. 3541—Figured specimen (Pl. 13, fig. 9, text-fig. 57)—pygidium

Road crossing Boomerang Cr. headwaters of Burke R., Qld, lat. 21° 19.5' S, long. 140° 04' E (loc. D18). Devoncourt Limestone

Middle Cambrian

CYCLAGNOSTUS QUASIVESPA Öpik, 1967.

Cyclagnostus quasivespa Öpik, 1967a, p. 109, Pl. 59, figs 1-7, text-fig. 28

C.P.C. 5864—Holotype (Pl. 59, fig. 1a, b, text-fig. 28, pars)—pygidium

C.P.C. 5865—Figured specimen (Pl. 59, figs 2a, b, text-fig. 28, pars)—pygidium

C.P.C. 5866—Figured specimen (Pl. 59, fig. 3, text-fig. 28, pars)—pygidium

C.P.C. 5867—Figured specimen (Pl. 59, fig. 4, text-fig. 28, pars)—pygidium

C.P.C. 5868—Figured specimen (Pl. 59, fig. 5, text-fig. 28, pars)—pygidium

C.P.C. 5869—Figured specimen (Pl. 59, 6a, b, text-fig. 28, pars)—cephalon

C.P.C. 5870—Figured specimen (Pl. 59, fig. 7, text-fig. 28, pars)—cephalon

About 14 km ESE of New Mungerebar, NW Qld, lat. 22° 15.5' S, long. 139° 01' E (loc. G131). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

CYCLAGNOSTUS sp. aff. **QUASIVESPA** Öpik, 1967.

Cyclagnostus sp. aff. *quasivespa* Öpik, 1967a, p. 112, Pl. 59, fig. 8

C.P.C. 5871—Figured specimen—pygidium

Mungerebar-Mindyalla area, about 11 km SSE of Yarrie Rock Hole, NW Qld, lat. 22° 8.5' S, long. 139° 10' E (loc. G9). Mungerebar Limestone

Middle Cambrian/Upper Cambrian Zone of passage

CYRTOPRORA INTRICATA Öpik, 1967.

Cyrtoprora intricata Öpik, 1967a, p. 321, Pl. 49, figs 4-6, text-figs 118 (fig. 1 should read fig. 4, p. 322)

C.P.C. 5746—Holotype (p. 49, fig. 4, text-fig. 118, pars, fig. 1 should be fig. 4)—cranium

Glenormiston-Sylvester Cr. area, NW Qld, lat. 23° 00' S, long. 138° 42' E (loc. W15). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5747—Figured specimen (Pl. 49, fig. 5, text-fig. 118, fig. 5)—cranium

Glenormiston-Sylvester Cr. area, lat. 22° 57' S, long. 138° 41.5' E (loc. W20). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5748—Figured specimen (Pl. 49, fig. 6)—free cheek

Glenormiston-Sylvester Cr. area, lat. 22° 57.5' S, long. 138° 4' E (loc. G51). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

DAMESELLA TOROSA Öpik, 1967.

Damesella torosa Öpik, 1967a, p. 305, Pl. 42, figs 4-6, text-fig. 108, 109

C.P.C. 5692—Holotype (Pl. 42, fig. 5, text-fig. 108)—cranium

C.P.C. 5691—Figured specimen (Pl. 42, fig. 4)—free cheek

C.P.C. 5693—Figured specimen (Pl. 42, fig. 6, text-fig. 109)—pygidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 08' S, long. 138° 57' E (loc. G103b). Top of Steamboat Sandstone

Middle Cambrian/Upper Cambrian passage

DAMESELLINAE gen. nov. A, sp. indet. Öpik, 1967.

Damesellinae gen. nov. A, sp. indet. Öpik, 1967a, p. 337, Pl. 42, fig. 7

C.P.C. 5694—Figured specimen—pygidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 08' S, long. 138° 57' E (loc. G103). Top of Steamboat Sandstone

Middle/Upper Cambrian passage

DAMESELLINAE gen. nov. B, sp. nov. Öpik, 1967.

Damesellinae gen. nov. B, sp. nov. Öpik, 1967a, p. 338, Pl. 42 (not 43 as on p. 338), fig. 3

C.P.C. 5690—Figured specimen (Pl. 42, fig. 3)—cranium

Undilla Basin, NW Qld, lat. 19° 24' S, long. 138° 31' E (loc. M65). Right bank of O'Shannassy R. V Creek Limestone Zone of *Ptychagnostus (goniagnostus) nathorsti*

Middle Cambrian

DELAGNOSTUS DILEMMA Öpik, 1961.

Delagnostus dilemma Öpik, 1961b, p. 88, Pl. 19, figs 3, 4; Pl. 23, figs 8-10, text-fig. 32

C.P.C. 3633—Holotype (Pl. 23, fig. 9, text-fig. 32, pars; Pl. 19, fig. 4)—pygidium

C.P.C. 3632—Paratype (Pl. 23, fig. 8, text-fig. 32, pars)—cephalon

C.P.C. 3634—Paratype (Pl. 19, fig. 3, Pl. 23, fig. 10)—cephalon

Road crossing Boomerang Cr. headwaters of Burke R., Qld, lat. 21° 19.5' S, long. 140° 04' E (loc. D18). Devoncourt Limestone

Middle Cambrian

DIPENTASPIS DIPENTAS Öpik, 1967.

Dipentaspis dipentas Öpik, 1967a, p. 329, Pl. 21, fig. 7; Pl. 43, figs 1-6, text-figs 123, 124

C.P.C. 5701—Holotype (Pl. 43, figs 6a, b, text-fig. 123, pars)—pygidium

C.P.C. 5699—Figured specimen (Pl. 43, fig. 4)—free cheek

Quita Cr. area, NW Qld, lat. 21° 57.5' S, long. 139° 04' E (loc. D59). Steamboat Sandstone, *Leiopyge laevigata* Zone

C.P.C. 5696—Figured specimen (Pl. 43, figs 1a, b, text-fig. 123, pars)—cranium

C.P.C. 5697—Figured specimen (Pl. 43, fig. 2)—pygidium

C.P.C. 5698—Figured specimen (Pl. 43, fig. 3, text-fig. 123, pars)—pygidium

C.P.C. 5700—Figured specimen (Pl. 43, fig. 5, text-fig. 124)—pygidium
 C.P.C. 5702—Figured specimen (Pl. 43, fig. 7, Pl. 21, fig. 7, pars)—cranidium
 Quita Cr. area, NW Qld, lat. 21° 56' S, long. 139° 01' E (loc. D96). Steamboat Sandstone, *Leiopyge laevigata* Zone

Middle Cambrian

DIPENTASPIS RATIS Öpik, 1967.

Dipentaspis ratis Öpik, 1967a, p. 332, Pl. 21, fig. 7; Pl. 43, fig. 7, text-fig. 125

C.P.C. 5763—Holotype (Pl. 43, fig. 7a, b, Pl. 21, fig. 7, pars, text-fig. 125, pars)—cranidium

Quita Cr. area, NW Qld, lat. 21° 56' S, long. 139° 00.5' E (loc. D95). Steamboat Sandstone, *Leiopyge laevigata* Zone

Early Upper Cambrian

DIPENTASPIS sp. indet. Öpik, 1967.

Dipentaspis sp. indet. Öpik, 1967a, p. 332, Pl. 42, fig. 8

C.P.C. 5695—Figured specimen (Pl. 42, fig. 8)—cranidium

Quita Cr. area, NW Qld, lat. 21° 57.5' S, long. 139° 04' E (loc. D95). Steamboat Sandstone, *Leiopyge laevigata* Zone

Middle Cambrian

DIPLAGNOSTUS CRASSUS Öpik, 1967.

Diplagnostus crassus Öpik, 1967a, p. 126, Pl. 54, fig. 4

C.P.C. 5802—Holotype (Pl. 54; fig. 4)—cephalon

Glenormiston-Sylvester Cr. area, NW Qld, lat. 23° 20' S, long. 138° 58' E (loc. W36). Devoncourt Limestone, Zone of *Leiopyge laevigata* II

Middle Cambrian

DIPLAGNOSTUS HUMILIS (Whitehouse, 1936); Öpik, 1961.

Enetagnostus humilis Whitehouse, 1936, p. 91, Pl. 8, figs 17-19

Diplagnostus humilis (Whitehouse); Öpik, 1961b, p. 72, Pl. 19, figs 15a, 15b, 16; Pl. 20, fig. 2, text-fig. 25

C.P.C. 3577—Figured specimen (Pl. 19, figs 15a, 15b, text-fig. 25)—complete specimen

C.P.C. 3579—Figured specimen (Pl. 19, fig. 16)—cephalon

C.P.C. 3586—Figured specimen (Pl. 20, fig. 2)—pygidium

Creek crossing, 13.8 km E of Duchess, headwaters of Burke R., Qld, lat. 21° 21.5' S, long. 139° 59' E (loc. D15). Devoncourt Limestone

Middle Cambrian

DIPLAGNOSTUS PLANICAUDA VESTGOTHICUS (Wallerius, 1895); Öpik, 1961.

Agnostus planicauda vestgothicus Wallerius, 1895, p. 41, Pl. 1, fig. 2

Diplagnostus planicauda vestgothicus (Wallerius); Öpik, 1961b, p. 70, Pl. 19, figs 13a, 13b, text-fig. 22

C.P.C. 3572—Figured specimen (Pl. 19, figs 13a, 13b, text-fig. 22)—cephalon

Road crossing Boomerang Cr., headwaters of Burke R., Qld, lat. 21° 19.5' S, long. 140° 04' E (loc. D18). Devoncourt Limestone

Middle Cambrian

DIPLAGNOSTUS cf. PLANICAUDA VESTGOTHICUS (Wallerius); Öpik, 1961.

Diplagnostus cf. *planicauda vestgothicus* (Wallerius); Öpik, 1961b, p. 71, Pl. 19, fig. 17, text-fig. 23; Pl. 20, figs 1, 3, text-fig. 24

C.P.C. 3580—Figured specimen (Pl. 19, fig. 17, text-fig. 24)

C.P.C. 3585—Figured specimen (Pl. 20, fig. 1, text-fig. 24)—cephalon

C.P.C. 3587—Figured specimen (Pl. 20, fig. 3)—cephalon

Boundary Hill, headwaters of Burke R., Qld, lat. 21° 23' S, long. 139° 58' E (loc. D26). Devoncourt Limestone

Middle Cambrian

DIPLAGNOSTUS? sp. I Öpik, 1961.

Diplagnostus? sp. I Öpik, 1961b, p. 73, Pl. 18, fig. 5 (?) in text, omitted on plate)

C.P.C. 3562—Figured specimen—cephalon
Roaring Bore, headwaters of Burke R.,
Qld, lat. 21° 18.5' S, long. 140° 05' E
(loc. D7/15). 45-55 m below top of
Roaring Siltstone

Middle Cambrian

DIPYRGOTES NOVELLA Öpik, 1967.

Dipyrgotes novella Öpik, 1967a, p. 318, Pl. 16, fig. 1; Pl. 48, figs 4-6; Pl. 49, figs 1, 3, text-figs 115-117

C.P.C. 5740—Holotype (Pl. 48, fig. 4)—
pygidium

C.P.C. 5741—Figured specimen (Pl. 48,
fig. 5, text-fig. 115, pars)—cranidium

C.P.C. 5742—Figured specimen (Pl. 48,
figs 6a, b, text-fig. 115, pars)—cranidium

C.P.C. 5485—Figured specimen (Pl. 16,
fig. 1)—pygidium

C.P.C. 5743—Figured specimen (Pl. 49,
figs 1a, b)—cranidium

C.P.C. 5745—Figured specimen (Pl. 49,
fig. 3, text-fig. 115, pars)—free cheek

Selwyn Range area, NW Qld, lat. 21° 26' S,
long. 139° 59' E (loc. D29). O'Hara
Shale (lower chert bed), Mindyallan
Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

DIPYRGOTES? sp. A Öpik, 1967.

Dipyrgotes? sp. A Öpik, 1967a, p. 321, Pl. 49, fig. 2

C.P.C. 5744—Figured specimen (Pl. 49,
fig. 2)—free cheek

Glenormiston-Sylvester Cr., NW Qld, lat.
22° 56' S, long. 138° 40' E (loc. W21).
Georgina Limestone, Mindyallan Zone of
Glyptagnostus stolidotus

Early Upper Cambrian

DISCAGNOSTUS SPECTATOR Öpik,
1963.

Discagnostus spectator Öpik, 1963, p. 55,
Pl. 2 figs 15, 16, text-fig. 14

C.P.C. 4262—Holotype (cephalon)

Selwyn Range area, NW Qld, lat. 21° 26' S,
long. 139° 59' E (loc. D29). O'Hara
Shale

Early Upper Cambrian

DOLICHOAGNOSTUS? sp. nov. Öpik,
1967.

Dolichoagnostus? sp. nov. Öpik, 1967a, p.
133, Pl. 54, fig. 3, text-fig. 37

C.P.C. 5801—Figured specimen (Pl. 54,
fig. 3, text-fig. 37)—pygidium

Quita area, NW Qld, lat. 21° 56' S, long.
139° 00.5' E (loc. D95). Steamboat
Sandstone, Zone of *Leipyge laevigata*

Late Middle Cambrian

DOREMATASPIS ORNATA Öpik, 1967.

Doremataspis ornata Öpik, 1967a, p. 357,
Pl. 16, fig. 1, pars; Pl. 36, fig. 9; Pl. 36,
figs 1-6; Pl. 45, fig. 1, text-figs 138-139

C.P.C. 5633—Holotype (Pl. 36, fig. 4,
text-fig. 138, pars)—cranidium

C.P.C. 5629—Figured specimen (Pl. 35,
fig. 9)—cranidium

C.P.C. 5630—Figured specimen (Pl. 36,
fig. 1)—cranidium

C.P.C. 5631—Figured specimen (Pl. 36,
fig. 2, text-fig. 139, pars)—cephalon

C.P.C. 5634—Figured specimen (Pl. 36,
fig. 5, text-fig. 139, pars)—free cheek

C.P.C. 5635—Figured specimen (Pl. 36,
fig. 6)—pygidium

Selwyn Range area, NW Qld, lat. 21° 26' S,
long. 139° 59.5' E (loc. D29). O'Hara
Shale (lower chert bed), Mindyallan
Zone of *Glyptagnostus stolidotus*

C.P.C. 5632—Figured specimen (Pl. 36,
fig. 3, text-fig. 139, pars)—cephalon

Glenormiston-Sylvester Cr., NW Qld, lat.
23° 05.5' S, long. 138° 51.5' E (loc.
D6). O'Hara Shale (lower chert bed),
Mindyallan Zone of *Glyptagnostus stoli-*
dotus

C.P.C. 5715—Figured specimen (Pl. 45,
fig. 1, left lower corner)—cranidium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D28). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

ELLOTIA DIMOTA Gatehouse, 1968.

Ellotia dimota Gatehouse, 1968, p. 54, Pl. 6, figs 2a, b, text-fig. 5

C.P.C. 6816—Holotype (Pl. 6, fig. 2a)—cranium

C.P.C. 6817—Paratype (fig. 2b)—free cheek

W of Elliot Cr. 13 km NW of Litchfield hstd, N.T. and 2 km NE of loc. NT6 (loc. NT7). Tindall Limestone

Early Middle Cambrian

EREDIASPIIS ERETES Öpik, 1967.

Erediaspis eretes Öpik, 1967a, p. 191, Pl. 6, figs 1-4, Pl. 7, figs 1-5, text-figs 62-64

C.P.C. 5400—Holotype (Pl. 6, fig. 1, text-fig. 62, pars)—cranium

C.P.C. 5401—Figured specimen (Pl. 6, fig. 2)—free cheeks

C.P.C. 5402—Figured specimen (Pl. 6, figs 3a, b, text-fig. 62, pars)—cranium

C.P.C. 5406—Figured specimen (Pl. 7, fig. 3, text-fig. 64, pars)—pygidium

C.P.C. 5407—Figured specimen (Pl. 7, fig. 4, text-fig. 64, pars)—pygidium

C.P.C. 5408—Figured specimen (Pl. 7, fig. 5, text-fig. 64, pars)—pygidium

C.P.C. 6728—Figured specimen (text-fig. 63)—free cheek

C.P.C. 6729—Figured specimen (text-fig. 64)—pygidium

C.P.C. 6731—Not figured—pygidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 15' S, long. 139° 00' E (loc. G119). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

C.P.C. 5403—Figured specimen (Pl. 6, fig. 4)—cranium

Mungerebar-Mindyalla area, lat. 22° 09' S, long. 139° 11' E (loc. G417). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

C.P.C. 5404—Figured specimen (Pl. 7, fig. 1)—pygidium

C.P.C. 5405—Figured specimen (Pl. 7, fig. 2)—pygidium

Mungerebar-Mindyalla area, lat. 22° 15' S, long. 138° 58' E (loc. G149). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

ERIXANIUM ALIENUM Öpik, 1963.

Erixanium alienum Öpik, 1963, p. 82, text-figs 28, 29

C.P.C. 4299—Holotype (text-figs 28a, b)—cranium

C.P.C. 4304—Figured specimen (text-fig. 29)—pygidium

C.P.C. 4406—Unfigured specimen

W side of track about 22 km SSE of Glenormiston hstd, NW Qld (loc. W10). Georgina Limestone

Early Upper Cambrian

ERIXANIUM SENTUM Öpik, 1963.

Erixanium sentum Öpik, 1963, p. 78, Pl. 8, figs 1-4, 7, 8; Pl. 9, text-figs 26, 27

Pygidium of a ptychopariid (new genus), Öpik, 1961a, Pl. 69, fig. 2

C.P.C. 578—Holotype 'pygidium of new genus', 1961a, Pl. 69, fig. 2; 1963, Pl. 8, fig. 1—pygidium

C.P.C. 3842—Figured specimen (Pl. 8, fig. 2)—cranium

C.P.C. 3481—Figured specimen (p. 8, fig. 3)—cranium

C.P.C. 3843—Figured specimen (Pl. 8, figs 7, 8)—cranium

About 25 km on track S of Glenormiston hstd, W Qld (loc. W42). Georgina Limestone

C.P.C. 3844—Figured specimen (Pl. 8, fig. 4)—pygidium

3 km W of track, about 25 km S of Glenormiston hstd, and about 10 km N of Twenty Mile Bore, NW Qld (loc. W65/23). Georgina Limestone

- C.P.C. 3846—Figured specimen (Pl. 9, figs 1, 2)—complete specimen
- C.P.C. 3848—Figured specimen (Pl. 9, fig. 5)—Bedding plane of rock showing numerous complete specimens
- C.P.C. 3849—Figured specimen (Pl. 9, fig. 4)—hypostoma
- C.P.C. 3850—Figured specimen (Pl. 9, fig. 3)—cranidium
- Pomegranate Cr. above junction with Burke R., NW Qld (loc. D119). Pomegranate Limestone

Early Upper Cambrian

ERIXANIUM STRABUM Öpik, 1963.

Erixanium strabum Öpik, 1963, p. 81, Pl. 8, figs 5, 6

C.P.C. 3840—Holotype (Pl. 8, fig. 6)—cranidium

C.P.C. 3845—Figured specimen (Pl. 8, fig. 5)—pygidium

W side of track about 22 km SSE of Glenormiston hstd, NW Qld (loc. W10). Georgina Limestone

Early Upper Cambrian

EUGONOCARE cf. TESSELATUM Whitehouse, 1939; Öpik, 1967.

Eugonocare tessellatum Whitehouse, 1939, p. 226, Pl. 23, figs 15-18; Pl. 25, fig. 7b

Eugonocare cf. *tessellatum* Whitehouse; Öpik, 1967a, p. 203, Pl. 8, fig. 2 (not 3 as in locality list)

C.P.C. 5414—Figured specimen (Pl. 8, fig. 2)—2 cranidia

Selwyn Range area, NW Qld, lat. 21° 25' S, long. 140° 00' E (loc. D6). O'Hara Shale, Idamean, about 20 m above the Mindyallan 'lower chert bed'

Early Upper Cambrian

FERENEPEA HISPIDA Öpik, 1967.

Ferenepea hispida, Öpik, 1967a, p. 362, Pl. 39, figs 7, 8; Pl. 40, fig. 1, text-fig. 140

C.P.C. 5666—Holotype (Pl. 39, figs 7a, b, text-fig. 140, pars)—cranidium

C.P.C. 5667—Figured specimen (Pl. 39, fig. 8)—cranidium

C.P.C. 5668—Figured specimen (Pl. 40, fig. 1, text-fig. 140, pars)—free cheek

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

FERENEPEA PILARIS Öpik, 1967.

Ferenepea pilaris Öpik, 1967a, p. 364, Pl. 40, fig. 2

C.P.C. 5669—Holotype—cranidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 07' S, long. 139° 12' E (loc. G8). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

GLYPTAGNOSTUS (LISPAGNOSTUS) LENIS Öpik, 1967.

Glyptagnostus (Lispagnostus) lenis Öpik, 1967a, p. 169, Pl. 66, fig. 12, text-fig. 50

C.P.C. 6716—Holotype (Pl. 66, fig. 12, text-fig. 50)—cephalon

Glenormiston-Sylvester Cr., lat. 23° 00' S, long. 138° 42' E, NW Qld (loc. W15). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

GLYPTAGNOSTUS RETICULATUS (Angelin, 1851, reprint 1878); Öpik, 1961, 1963, 1967.

Agnostus reticulatus Angelin, 1851 (reprint 1878), p. 8, Pl. 6, fig. 10

Glyptagnostus reticulatus (Angelin); Öpik, 1961a, p. 430, Pl. 70, figs 9-11, text-fig. 15; 1963, p. 38, Pl. 2, figs 6-9, text-fig. 7; 1967a, p. 167, Pl. 67, fig. 3

C.P.C. 587—Figured specimen (1961a, fig. 9, text-fig. 15)

S of Glenormiston, NW Qld (loc. W157). Georgina Limestone

C.P.C. 588—(not C.P.C. 586 as in Explanation of Pl. 70) (fig. 10) C.P.C. 589 (fig. 11)—Figured specimen
Wills Cr. Boulia area, NW Qld (loc. B126).
Upper horizon, Pomegranate Limestone

Upper Cambrian

C.P.C. 4257—Figured specimen (1963, Pl. 2, fig. 6)—cephalon
C.P.C. 4258—Figured specimen (1963, Pl. 2, figs 7, 8)—pygidium
C.P.C. 4259—Figured specimen (1963, Pl. 2, fig. 9)—pygidium
About 8 km E of Pomegranate Bore, NW Qld (loc. D120b). Pomegranate Limestone

Early Upper Cambrian

C.P.C. 6719—Figured specimen (1967a, Pl. 67, fig. 3a)—pygidium
De Little Range area, NW Qld, lat. 22° 16' S, long. 139° 51' E (loc. D126). Pomegranate Limestone. Idamean Zone of *Glyptagnostus reticulatus*

Early Upper Cambrian

GLYPTAGNOSTUS STOLIDOTUS Öpik, 1961, 1967.

Glyptagnostus stolidotus Öpik, 1961a, p. 432, Pl. 70, figs 1-8, text-fig. 16; 1967a, p. 168, Pl. 67, figs 1-5
C.P.C. 584—Holotype (1961a, Pl. 70, fig. 6)—cranidium
Wills Cr. Boulia area, NW Qld (loc. 525). Lower horizon Pomegranate Limestone
C.P.C. 579—Figured specimen (1961a, Pl. 70, fig. 1)—pygidium
C.P.C. 580—Figured specimen (1961a, Pl. 70, fig. 2)—pygidium
C.P.C. 581—Figured specimen (1961a, Pl. 70, fig. 3)—pygidium
C.P.C. 582—Figured specimen (1961a, Pl. 70, fig. 4)—cephalon
C.P.C. 583—Figured specimen (1961a, Pl. 70, fig. 5)—cephalon
C.P.C. 585—Figured specimen (1961a, Pl. 70, fig. 7)—cephalon

C.P.C. 586—Figured specimen (1961a, Pl. 70, fig. 8)—cephalon

Wills Cr. Boulia area, NW Qld (loc. B537). Lower horizon, Pomegranate Limestone

Upper Cambrian

C.P.C. 6718—Figured specimen (1967a, Pl. 67, fig. 3)—pygidium
De Little Range area, NW Qld, lat. 22° 15' S, long. 139° 50' E (loc. B525). Pomegranate Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*
C.P.C. 6717—Figured specimen (1967a, Pl. 67, fig. 2)—pygidium
Glenormiston-Sylvester Cr. area, lat. 23° 00' S, long. 138° 49' E (loc. W1). Georgina Limestone. Mindyallan Zone of *Glyptagnostus stolidotus*
C.P.C. 6720—Figured specimen (1967a, Pl. 67, fig. 4)—pygidium
C.P.C. 6721—Figured specimen (1967a, Pl. 67, fig. 5)—pygidium
De Little Range area, lat. 22° 19' S, long. 139° 52' E (loc. B537, B525 as on 1967a, Pl. 67, figs 4, 5). Pomegranate Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

GRANDAGNOSTUS EVEXUS Öpik, 1967.

Grandagnostus evexus Öpik, 1967a, p. 86, Pl. 52, figs 7-9
C.P.C. 5783—Holotype (Pl. 52, figs 7a, b)—cephalon
C.P.C. 5784—Figured specimen (Pl. 52, fig. 8)—pygidium
C.P.C. 5785—Figured specimen (Pl. 52, fig. 9)—pygidium
15 km SE of Yarrie Rock Hole, NW Qld, lat. 22° 09' S, long. 139° 11' E (loc. G417). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

GRANDAGNOSTUS IMITANS Öpik, 1961.

Grandagnostus imitans Öpik, 1961b, p. 65, Pl. 23, figs 12-15; Pl. 24, figs 5-7, text-fig. 20

C.P.C. 3635—Holotype (Pl. 23, figs 13, 13a; Pl. 24, fig. 7)—cephalon

C.P.C. 3636—Paratype (Pl. 23, fig. 15, Pl. 24, fig. 6)—pygidium

C.P.C. 3637—Figured specimen (Pl. 23, fig. 14)—pygidium

C.P.C. 3638—Figured specimen (Pl. 23, fig. 12, 12a)—pygidium

Undilla Basin, E of Morstone, Qld (loc. M41). V-Creek Limestone

Middle Cambrian

GRANAGNOSTUS VELAEVIS Öpik, 1961.

Grandagnostus velaevis Öpik, 1961b, p. 67, Pl. 2, figs 3, 4, text-fig. 21.

C.P.C. 3630—Holotype (Pl. 23, fig. 3, text-fig. 21)—cephalon

C.P.C. 3574— (not 3674 as on p. 68)—Figured specimen—pygidium

Headwaters of Burke R., Qld, lat. 21° 20.5' S, long. 140° 03' E (loc. D21)

C.P.C. 3631—Paratype (Pl. 23, fig. 4)—pygidium

Exact locality uncertain as number lost in fire, April 1953, probably D16 (in text, p. 68 or Pl. 23, fig. 4). Devoncourt Limestone

Middle Cambrian

GRIPHASAPHUS GRIPHUS Öpik, 1967.

Griphasaphus griphus Öpik, 1967a, p. 391, Pl. 33, fig. 4, Pl. 34, figs 1-7, text-fig. 148

C.P.C. 5613—Holotype (Pl. 33, fig. 4, text-fig. 148, pars)—cranidium

C.P.C. 5614—Figured specimen (Pl. 34, fig. 1, text-fig. 148, pars)—cranidium

C.P.C. 5616—Figured specimen (Pl. 34, fig. 3, text-fig. 148, pars)—cranidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 17' S, long. 138° 58' E (loc. G125).

Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

C.P.C. 5615—Figured specimen (Pl. 34, fig. 2, text-fig. 148, pars)—free cheek

C.P.C. 5617—Figured specimen (Pl. 34, fig. 4, text-fig. 148)—cranidium

C.P.C. 5618—Figured specimen (Pl. 34, fig. 5)—cranidium

C.P.C. 5619—Figured specimen (Pl. 34, fig. 6)—pygidium

C.P.C. 5620—Figured specimen (Pl. 34, fig. 7)—pygidium

Mungerebar-Mindyalla area, lat. 22° 16.5' S, long. 138° 58.5' E (loc. G124). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

GUNNIA CONVEXA Gatehouse, 1968.

Gunnia convexa Gatehouse, 1968, p. 51, Pl. 6, fig. 1, text-fig. 3

C.P.C. 6815—Holotype (Pl. 6, fig. 1)—cranidium

W of Elliot Cr., 13 km NW of Litchfield hstd, N.T., and 2 km NE of loc. NT6 (loc. NT7). Tindall Limestone

Early Middle Cambrian

GUNNIA LUTEA Gatehouse, 1968.

Gunnia lutea Gatehouse, 1968, p. 50, Pl. 5, figs 1a, b, 2a, b, c (not figs 10, 16, as given in text, p. 50), text-fig. 2

C.P.C. 6813—Holotype (Pl. 5, figs 1a, b; not figs 10, 16)—cranidium

C.P.C. 6814—Paratype (Pl. 5, figs 2a, b, c)—cranidium (not mentioned in text)

W of Elliot Cr., 13 km NW of Litchfield hstd, N.T., and 2 km NE of loc. NT6 (loc. NT7). Tindall Limestone

Early Middle Cambrian

HADRAGNOSTUS LAS Öpik, 1967.

Hadragnostus las Öpik, 1967a, p. 102, Pl. 58, fig 6-10, text-fig. 24

C.P.C. 5861—Holotype (Pl. 58, fig. 8, text-fig. 24)—pygidium

C.P.C. 5863—Figured specimen (Pl. 58, fig. 10)—pygidium

C.P.C. 5863—Figured specimen (Pl. 58, fig. 10)—pygidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 09' S, long. 139° 11' E (loc. G417). Mungerebar Limestone, Mindyalla Zone of *Erediaspis eretes*

C.P.C. 5857—Figured specimen (Pl. 58, fig. 6)—pygidium

C.P.C. 5862—Figured specimen (Pl. 58, fig. 9)—pygidium

Mungerebar-Mindyalla area, lat. 22° 07' S, long. 139° 12' E (loc. G8). Mungerebar Limestone

C.P.C. 5860—Figured specimen (Pl. 58, fig. 7)—cephalon

About 14 km ENE of New Mungerebar, lat. 22° 13' S, long. 139° 01' E (loc. G429). Mungerebar Limestone, Mindyalla Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

HENADOPARIA INTEGR Öpik, 1967.

Henadoparia integra Öpik, 1967a, p. 348, Pl. 37, figs 1-5, text-fig. 134

C.P.C. 5642—Holotype (Pl. 37, fig. 1, text-fig. 143, pars)—cephalon

C.P.C. 5644—Figured specimen (Pl. 37, fig. 3, text-fig. 134, pars)—cephalon

C.P.C. 5643—Figured specimen (Pl. 37, fig. 2)—cephalon

Selwyn Range area, NW Qld, lat. 21° 25' S, long. 140° 00' E (loc. D6)

O'Hara Shale (lower chert bed), Mindyalla Zone of *Glyptagnostus stolidotus*

C.P.C. 5645—Figured specimen (Pl. 37, fig. 4)—cephalon

C.P.C. 5646—Figured specimen (Pl. 37, fig. 5)—cephalon

Selwyn Range area, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale (lower chert bed), Mindyalla Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

HERCANTYX RUDIS Öpik, 1963.

Hercantyx rudis Öpik, 1963, p. 94, Pl. 4, fig. 16, text-fig. 35

C.P.C. 4287—Holotype—cranium

About 8 km E of Pomegranate Bore, NW Qld (loc. D20b). Pomegranate Limestone

Early Upper Cambrian

HOLTERIA AREPO Öpik, 1961.

Holteria arepo Öpik, 1961b, p. 133, Pl. 14, figs 5a, 5b, text-fig. 45b

C.P.C. 3546—Holotype (Pl. 14, figs 5a, 5b, text-fig. 45b)—pygidium

Headwaters of Burke R., Qld, lat. 21° 20.5' S, long. 140° 03' E (loc. D21). Devoncourt Limestone

Middle Cambrian

HYPAGNOSTUS BREVIFRONS (Angelin, 1851), Öpik, 1961.

Agnostus brevifrons Angelin, 1851, p. 6, Pl. 6, fig. 4

Hypagnostus brevifrons (Angelin); Öpik, 1961b, p. 58, Pl. 18, fig. 6-10

C.P.C. 3563—Figured specimen (Pl. 18, fig. 6)—cephalon

C.P.C. 3564—Figured specimen (Pl. 18, fig. 7)—cephalon

C.P.C. 3565—Figured specimen (Pl. 18, fig. 8)—cephalon

C.P.C. 3566—Figured specimen (Pl. 18, fig. 9)—pygidium

C.P.C. 3567—Figured specimen (Pl. 18, fig. 10)—pygidium

Roaring Bore, headwaters of Burke R., Qld, lat. 21° 18.5' S, long. 140° 05' E (loc. D7/15). 45-55 m below top of Roaring Siltstone

Middle Cambrian

HISTIOMONA OCULOSA Öpik, 1967.

Histiomona oculosa Öpik, 1967a, p. 336, Pl. 44, figs 3, 4, text-fig. 127

C.P.C. 5707—Holotype (Pl. 44, figs 4a, b, text-fig. 127)—cranium

C.P.C. 5706—Figured specimen (Pl. 44, fig. 3)—cranidium

Glenormiston-Sylvester Cr. area, NW Qld, lat. 23° 00' S, long. 138° 42' E, (W15). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

HYPAGNOSTUS CORRECTUS Öpik, 1967.

Hypagnostus correctus Öpik, 1967a, p. 83, Pl. 52, figs 1-4, text-fig. 16

C.P.C. 5776—Holotype (Pl. 52, fig. 1, text-fig. 16, pars)—pygidium

C.P.C. 5577—Figured specimen (Pl. 52, figs 2a, b, text-fig. 16, pars)—cephalon

Mungerebar-Mindyalla area, NW Qld, lat. 22° 8.5' S, long. 139° 10' E (loc. G3). Mungerebar Limestone

C.P.C. 5778—Figured specimen (Pl. 52, fig. 3)—cephalon

Mungerebar-Mindyalla area, lat. 22° 08' S, 138° 57' E (loc. G103). Steamboat Sandstone-Mungerebar Limestone transition

C.P.C. 5779—Figured specimen (Pl. 52, fig. 4)—cephalon

Mungerebar-Mindyalla area, lat. 22° 15.5' S, long. 139° 01' E (loc. G131)

Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

HYPAGNOSTUS DURUS Öpik, 1967.

Hypagnostus durus Öpik, 1967a, p. 84, Pl. 52 (not Pl. 56 as shown on text-fig. 17, p. 85), figs 5, 6, text-fig. 17

C.P.C. 5781—Holotype (Pl. 52, fig. 5, on left, text-fig. 17 pars)—cephalon

C.P.C. 5780—Figured specimen (Pl. 52, fig. 5, upper right hand corner, text-fig. 17, pars)—cephalon

Mungerebar-Mindyalla area, NW Qld, lat. 22° 15' S, long. 139° 00' E (loc. G119)

Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

C.P.C. 5782—Figured specimen (Pl. 52, fig. 6, text-fig. 17, pars)—pygidium

Mungerebar-Mindyalla area, lat. 22° 09' S, long. 139° 11' E (loc. G417)

Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

HYPAGNOSTUS HIPPALUS Öpik, 1961.

Hypagnostus hippalus Öpik, 1961b, p. 60, Pl. 19, figs 1, 2, 5-10; Pl. 23, fig. 11, text-fig. 18

C.P.C. 3583—Holotype (Pl. 19, fig. 2)—cephalon

C.P.C. 3569—Paratype A (Pl. 19, fig. 5)—pygidium

C.P.C. 3570—Paratype B (Pl. 19, fig. 6)—pygidium

C.P.C. 3571—Paratype C (Pl. 19, fig. 7)—pygidium

C.P.C. 3573—Paratype D (Pl. 19, fig. 8)—pygidium

C.P.C. 3581—Paratype E (Pl. 19, fig. 9)—pygidium

C.P.C. 3584—Paratype F (Pl. 19, fig. 1)—pygidium

Road crossing Boomerang Cr. headwaters of Burke R., Qld, lat. 21° 19.5' S, long. 140° 04' E (loc. D18). Devoncourt Limestone

C.P.C. 3576—Paratype G. (Pl. 19, fig. 10)—cephalon

Boundary Hill, headwaters of Burke R., Qld, lat. 21° 23' S, long. 139° 58' E (loc. D26). Devoncourt Limestone

Middle Cambrian

HYPAGNOSTUS cf. **HUNANICUS** Lu, 1957, Öpik, 1961.

Hypagnostus hunanicus Lu, 1957, p. 258, Pl. 137, figs 9-11

Hypagnostus cf. *hunanicus* Lu; Öpik, 1961b, p. 64, Pl. 19, fig. 14

C.P.C. 3578—Figured specimen—pygidium

Creek crossing, 13.7 km E of Duchess, headwaters of Burke R., Qld, lat. 21° 21.5' S, long. 139° 59' E. Devoncourt Limestone

Middle Cambrian

HYPAGNOSTUS VARICOSUS Öpik, 1961.

Hypagnostus varicosus Öpik, 1961b, p. 63, Pl. 23, figs 1, 2a, 2b, text-fig. 19

C.P.C. 3626—Holotype (Pl. 23, figs 2a, 2b)—complete specimen

C.P.C. 3625—Paratype (Pl. 23, fig. 1)—pygidium

Headwaters of Burke R., Qld, lat. 21° 20.5' S, long. 140° 03' E (loc. D21). Devoncourt Limestone

Middle Cambrian

HYPAGNOSTUS WILLISI Öpik, 1961.

Hypagnostus willisi Öpik, 1961b, p. 59, Pl. 18, figs 11a, 11b

C.P.C. 3568—Holotype—(Pl. 18, figs 11a, 11b)—complete specimen

1 km S of Duchess road and E of Pilgrim Fault, lat. 21° 22' S, long. 139° 57' E, 10-11 km E of Duchess, headwaters of Burke R., Qld (loc. D13A). Devoncourt Limestone

Middle Cambrian

HYPAGNOSTUS sp. F, Öpik, 1961.

Hypagnostus sp. F, Öpik, 1961b, p. 65, Pl. 19, fig. 11

C.P.C. 3575—Figured specimen—pygidium
15-25 km E of Duchess, headwaters of Burke R., Qld (precise locality uncertain)

Middle Cambrian

IDOLAGNOSTUS AGRESTIS Öpik, 1967.

Idolagnostus agrestis Öpik, 1967a, p. 104, Pl. 59, figs 9, 10; Pl. 60, figs 1, 2; Pl. 63, fig. 10, text-figs 25-26

C.P.C. 5766—Holotype (Pl. 60, fig. 2)—cephalon

C.P.C. 5872—Figured specimen (Pl. 59, fig. 9)—pygidium (p. 106, C.P.C. 6872 should read 5872)

C.P.C. 5873—Figured specimen (Pl. 59, fig. 10)—pygidium

C.P.C. 5874—Figured specimen (Pl. 60, fig. 1, text-fig. 26)—cephalon

C.P.C. 5921—Figured specimen (Pl. 63, fig. 10)—pygidium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

IDOLAGNOSTUS DRYAS Öpik, 1967.

Idolagnostus dryas Öpik, 1967a, p. 106, Pl. 60, figs 3-5, text-fig. 27

C.P.C. 5875—Holotype (Pl. 60, fig. 3)—cephalon

Mungerebar-Mindyalla area, NW Qld, lat. 22° 15' S, long. 139° 00' E (loc. G119). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

C.P.C. 5876—Figured specimen (Pl. 60, fig. 4, text-fig. 27)—cephalon

Mungerebar-Mindyalla area, lat. 22° 13' S, long. 139° 01' E (loc. G429). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

C.P.C. 5877—Figured specimen (Pl. 60, fig. 5)—cephalon

Selwyn Range area, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

INNITAGNOSTUS INEXPECTANS

(Kobayashi, 1938); Öpik, 1967.

Aagnostus inexpectans Kobayashi, 1938, p. 172, Pl. 16, figs 30-33

Innitagnostus inexpectans (Kobayashi); Öpik, 1967a, p. 101, Pl. 63, fig. 2

C.P.C. 5912—Figured specimen (Pl. 63, fig. 2)—cephalon

Glenormiston-Sylvester Cr. area, NW Qld, lat. 23° 26' S, long. 138° 57' E (loc. W39). Georgina Limestone, Idamean Zone of *Corynexochus plumula*

Early Upper Cambrian

INNITAGNOSTUS INNITENS Öpik, 1967.

Innitagnostus innitens Öpik, 1967a, p. 99, Pl. 8, fig. 5; Pl. 58, figs 2-4, text-fig. 23

C.P.C. 5853—Holotype (Pl. 58, fig. 2, text-fig. 23, pars)—cephalon

C.P.C. 5855—Figured specimen (Pl. 58, fig. 4, text-fig. 23, pars)—pygidium

Wills Creek, De Little Range area, NW Qld, lat. 22° 19' S, long. 139° 52' E (loc. B537). Pomegranate Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5854—Figured specimen (Pl. 58, fig. 3, text-fig. 23 pars)—pygidium

Wills Creek, De Little Range area, lat. 22° 15' S, long. 139° 50' E (loc. B525)

Pomegranate Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5417—Figured specimen (Pl. 8, fig. 5)—cephalon

Selwyn Range area, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

INNITAGNOSTUS INNITENS? Öpik, 1967.

Innitagnostus innitens? Öpik, 1967a, p. 101, Pl. 58, fig. 6

C.P.C. 5859—Figured specimen (Pl. 58, fig. 6)—pygidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 07' S, long. 139° 12' E (loc. G8).

Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

INNITAGNOSTUS aff. INNITENS Öpik, 1967.

Innitagnostus aff. *innitens*, Öpik, 1967a, p. 101, Pl. 58, fig. 5

C.P.C. 5856—Figured specimen (Pl. 58, fig. 5)—complete shield

Glenormiston-Sylvester Cr. area, NW Qld, lat. 23° 08' S, long. 138° 53' E (loc. W20). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

INOTOMA INOTOMA Öpik, 1967.

Inotoma inotoma Öpik, 1967a, p. 231, Pl. 11, figs 1-3, text-fig. 81

C.P.C. 5441—Holotype (Pl. 11, figs 2a, b)—cranium

C.P.C. 5440—Figured specimen (Pl. 11, fig. 3, text-fig. 81, pars)—cranium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 15' S, long. 139° 00' E (loc. G119). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

C.P.C. 5442—Figured specimen (Pl. 11, fig. 3, text-fig. 81, pars)—cranium

Mungerebar-Mindyalla area, lat. 22° 15.5' S, long. 138° 57.5' E (loc. G150).

Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

INTERALIA SERENA Öpik, 1967.

Interalia serena Öpik, 1967a, p. 208, Pl. 10, figs 6, 7

C.P.C. 5434—Holotype (Pl. 10, fig. 7)—cranium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 15' S, long. 139° 00' E (loc. G119). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

C.P.C. 5433—Figured specimen (Pl. 10, fig. 6)—cranium

Mungerebar-Mindyalla area, lat. 22° 09' S, long. 139° 11' E, Mungerebar-Mindyalla area (loc. G417). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

IRVINGELLA TROPICA Öpik, 1963.

Irvingella tropica Öpik, 1963, p. 96, Pl. 4, figs 5-8, text-fig. 36

C.P.C. 4279—Holotype (Pl. 4, figs 5-7, text-fig. 36)—cranidium

C.P.C. 4283—Figured specimen (Pl. 4, fig. 8)—pygidium

C.P.C. 4300—Unfigured specimen

About 8 km E of Pomegranate Bore, NW Qld (loc. D120b). Pomegranate Limestone

Early Upper Cambrian

KOOTENIA ? cf. INCERTA (Rusconi) Leanza, 1947; Öpik, 1967.

Kootenia incerta (Rusconi); Leanza, 1947, Pl. 1, fig. 16

Kootenia ? cf. incerta (Rusconi) Leanza; Öpik, 1967a, p. 173, Pl. 2, fig. 7, text-fig. 54

C.P.C. 5367—Figured specimen (Pl. 2, fig. 7, text-fig. 54)—pygidium

Quita Cr. area, NW Qld, lat. 21° 56' S, long. 139° 03' E (loc. D99). Steamboat Sandstone

Middle Cambrian/Upper Cambrian passage

LAMPROPELTIS NITENS Öpik, 1967.

Lampropeltis nitens Öpik, 1967a, p. 182, Pl. 16, fig. 11, text-fig. 58

C.P.C. 5493—Holotype (Pl. 16, fig. 11, text-fig. 58)—cranidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 08' S, long. 138° 57' E, (loc. G103) 'G' omitted on Pl. 16). Steamboat Sandstone

Middle Cambrian/Upper Cambrian passage

LEICHNEYELLA CASEYI Öpik, 1967.

Leichneyella caseyi Öpik, 1967a, p. 227, Pl. 31, figs 1a, b, text-fig. 78

C.P.C. 5597—Holotype (Pl. 31, figs 1a, b, text-fig. 78)—cranidium

Selwyn Range area, NW Qld, lat. 21° 25' S, long. 140° 00' E, (loc. D6). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

LEICHNEYELLA? sp. A, Öpik, 1967.

Leichneyella? sp. A, Öpik, 1967a, p. 228, Pl. 31, fig. 2, text-fig. 79

C.P.C. 5598—Figured specimen (Pl. 31, fig. 2, text-fig. 79)—cranidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 17.5' S, long. 138° 59.5' E (loc. G127). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

LEICHNEYELLA? sp. B, Öpik, 1967.

Leichneyella? sp. B, Öpik, 1967a, p. 229, text-fig. 80

C.P.C. 6732—Figured specimen (text-fig. 80)—cranidium

Quita Cr. area, NW Qld, lat. 21° 57' S, long. 139° 05' E (loc. D95). Steamboat Sandstone, Zone of *Leiopyge laevigata*

Middle Cambrian

LEIOPYGE COS Öpik, 1967.

Leiopyge cos Öpik, 1967a, p. 93, Pl. 57, figs 5, 6, text-fig. 20

C.P.C. 5843—Holotype (Pl. 57, fig. 5, text-fig. 20)—pygidium

C.P.C. 5844—Figured specimen (p. 57, fig. 6)—cephalon

Mungerebar-Mindyalla area, NW Qld, lat. 22° 15.5' S, long. 139° 01' E (loc. G131). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

LEIOPYGE LAEVIGATA (Dalman, 1828); Öpik, 1961.

Baltus laevigatus Dalman, 1828, p. 136

Leiopyge laevigata (Dalman); Öpik, 1961b, p. 85, Pl. 21, figs 5-9b

C.P.C. 3606—Figured specimen (Pl. 21, fig. 5)—cephalon

Fault block at N end of Pilgrim Fault, headwaters of Burke R., Qld (loc. D19B). Roaring Siltstone

C.P.C. 3607—Figured specimen (Pl. 21, figs 6a, 6b, 6c)—cephalon

C.P.C. 3608—Figured specimen (Pl. 21, figs 7a, 7b)—pygidium

C.P.C. 3609—Figured specimen (Pl. 21, figs 8a, 8b)—pygidium

C.P.C. 3610—Figured specimen (Pl. 21, figs 9a, 9b, 9c)—pygidium

Creek crossing, 13.7 km E of Duchess, headwaters of Burke R., Qld, lat. 21° 21.5' S, long. 139° 5' E (loc. D15). Devoncourt Limestone

Middle Cambrian

LEIOPYGE LAEVIGATA ARMATA (Linnarsson, 1869); Öpik, 1961.

Agnostus laevigata armata Linnarsson, 1869, p. 82, Pl. 2, figs 58, 59. *Leiopyge laevigata armata* (Linnarsson); Öpik, 1961b, p. 87, Pl. 21, figs 10a, 10b; Pl. 22, figs 1-4

C.P.C. 3611—Figured specimen (Pl. 21, figs 10a, 10b)—cephalon

1 km S of Duchess, headwaters of Burke R., Qld (loc. D13A). Devoncourt Limestone

C.P.C. 3612—Figured specimen (Pl. 22, figs 1a, 1b)—cephalon

C.P.C. 3616—Figured specimen (Pl. 22, figs 2a, 2b)—pygidium

Boundary Hill, headwaters of Burke R., Qld, lat. 21° 23' S, long. 139° 55' E (loc. D26). Devoncourt Limestone

C.P.C. 3615—Figured specimen (Pl. 22, fig. 4)—pygidium

Creek crossing, 13.7 km E of Duchess, lat. 21° 21.5' S, long. 139° 59' E (loc. D15). Devoncourt Limestone

Middle Cambrian

LINGUAGNOSTUS sp. nov. aff. **KJERULFI** (Brögger, 1878); Öpik, 1967

Linguagnostus sp. nov. aff. *kjerulfi* (Brögger); Öpik, 1967a, p. 127, Pl. 54, fig. 2

C.P.C. 5800—Figured specimen (Pl. 54, fig. 2)—cephalon

Quita Cr. area, NW Qld, lat. 21° 56' S, long. 139° 00.5' E (loc. D95). Steamboat Sandstone, Zone of *Leiopyge laevigata*

Late Middle Cambrian

LIOSTRACINA NOLENS Öpik, 1967.

Liostracina nolens Öpik, 1967a, p. 355, Pl. 35, figs 6, 7

C.P.C. 5626—Holotype (Pl. 35, fig. 6)—cranium

C.P.C. 5627—Figured specimen (Pl. 35, fig. 7)—cranium

Glenormiston-Sylvester Cr. area, NW Qld, lat. 22° 27.5' S, long. 138° 41.5' E (loc. W20). O'Hara Shale, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

LIOSTRACINA VOLENS Öpik, 1967.

Liostracina volens Öpik, 1967a, p. 353, Pl. 35, figs 1-5, text-fig. 136

C.P.C. 5621—Holotype (Pl. 35, fig. 1, text-fig. 136, pars)—cranium

C.P.C. 5622—Figured specimen (Pl. 35, fig. 2)—cranium

C.P.C. 5623—Figured specimen (Pl. 35, fig. 3)—cranium

C.P.C. 5624—Figured specimen (Pl. 35, fig. 4)—free cheek

C.P.C. 5625—Figured specimen (Pl. 35, fig. 5, text-fig. 136)—free cheek

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

LIOSTRACINOIDES? sp. Öpik, 1967.
Liostracinoides? sp. Öpik, 1967a, p. 386, Pl. 10, fig. 9

C.P.C. 5436—Figured specimen (Pl. 10, fig. 9)—cranidium

Selwyn Range area, NW Qld, lat. 21° 25' S, long. 140° 00' E (loc. D6). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

LOBOCEPHALINA PYRICEPS Öpik, 1967.

Lobocephalina pyriceps Öpik, 1967a, p. 248, Pl. 30, figs 1-3, text-fig. 85.

C.P.C. 5590—Holotype (Pl. 30, fig. 1, text-fig. 85)—cranidium

C.P.C. 5591—Figured specimen (Pl. 30, fig. 2)—cranidium

C.P.C. 5592—Figured specimen (Pl. 30, fig. 3)—cranidium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

LONCHOCEPHALUS sp. nov. Öpik, 1967.
Lonchocephalus sp. nov. Öpik, 1967a, p. 208, Pl. 10, fig. 2

C.P.C. 5439—Figured specimen—cranidium

Glenormiston-Sylvester Cr. area, NW Qld, lat. 22° 58' S, long. 138° 43' E (loc. G49). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

?LONCHOCEPHALIDAE gen. nov. et sp. nov. Öpik, 1967.

?*Lonchocephalilae* gen. nov. et sp. nov. Öpik, 1967a, p. 212, Pl. 10, fig. 8.

C.P.C. 5435—Figured specimen (Pl. 10, fig. 8)—cranidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 15' S, long. 139° 00' E (loc. G119). Mungerebar Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

LOPHOHOLCUS ASPER Öpik, 1967

Lophoholcus asper Öpik, 1967a, p. 252, Pl. 31, figs 4-6; Pl. 32, figs 1-4; Pl. 33, fig. 1, text-fig. 86

C.P.C. 5603—Holotype (Pl. 32, fig. 1, text-fig. 86, pars)—cranidium

C.P.C. 5600—Figured specimen (Pl. 31, figs 4a, b, text-fig. 86, pars)—cranidium

C.P.C. 5602—Figured specimen (Pl. 31, fig. 6)—cranidium

C.P.C. 5604—Figured specimen (Pl. 32, fig. 2)—cranidium

C.P.C. 5606—Figured specimen (Pl. 32, figs 3a, b)—cranidium

C.P.C. 5611—Figured specimen (Pl. 33, fig. 1, text-fig. 86, pars)—cranidium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5601—Figured specimen (Pl. 31, fig. 5)—free cheek

Glenormiston-Sylvester Cr. area, lat. 23° 06' S, long. 138° 51.5' E, O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

LYNASPIS NOAKESI Öpik, 1967.

Lynaspis noakesi Öpik, 1967a, p. 356, Pl. 35, fig. 8, text-fig. 137

C.P.C. 5628—Holotype (Pl. 35, fig. 7, text-fig. 137)—cranidium

Glenormiston-Sylvester Cr. area, NW Qld, lat. 23° 00' S, long. 138° 49' E (loc. W1). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

MAPANIA ANGUSTA (Whitehouse, 1939); Öpik, 1961.

Anomocare (?) *angustum* Whitehouse, 1939, p. 228, Pl. 23, fig. 21

Mapania angusta (Whitehouse); Öpik, 1961b, p. 167, Pl. 14, figs 1-4, text-fig. 55

C.P.C. 3542—Figured specimen (Pl. 14, fig. 1, text-fig. 55)—cranidium

C.P.C. 3543—Figured specimen (Pl. 14, fig. 2)—cranidium

C.P.C. 3544—Figured specimen (Pl. 14, fig. 3)—pygidium

Undilla Basin, Qld (loc M409). V Creek Limestone

C.P.C. 3545—Figured specimen (Pl. 14, fig. 4)—thorax and pygidium

About 5 km E of Morstone hstd, Undilla Basin (loc. N25). V-Creek Limestone

Middle Cambrian

MAPANIA FACETA Öpik, 1961.

Mapania faceta Öpik, 1961b, p. 170, Pl. 13, fig. 4, text-fig. 56, (FA)

C.P.C. 3538—Holotype (Pl. 13, fig. 4, text-fig. 56)—cranidium

Boundary Hill, headwaters of Burke R., Qld, lat. 21° 23' S, long. 139° 58' E (loc. D26). Devoncourt Limestone

Middle Cambrian

MAPANIA cf. FACETA Öpik, 1961.

Mapania cf. faceta Öpik, 1961b, p. 170, Pl. 13, fig. 6

C.P.C. 3537—Figured specimen—pygidium

Headwaters of Burke R., Qld, lat. 21° 20' S, long. 140° 03' E (loc. D21). Devoncourt Limestone.

Middle Cambrian

MAPANIA (?) DICELLA Öpik, 1961.

Mapania (?) *dicella* Öpik, 1961b, p. 171, Pl. 13, figs 5, 7, 8, text-fig. 56 (D1)

C.P.C. 3539—Holotype (Pl. 13, fig. 7, text-fig. 56)—cranidium

C.P.C. 3536—Paratype (Pl. 13, fig. 8)—free cheek

Road crossing Boomerang Cr. headwaters of Burke R., Qld, lat. 21° 19.5' S, long. 140° 04' E (loc. D18). Devoncourt Limestone

Middle Cambrian

MAPANIA SYNOPHRYS Öpik, 1961.

Mapania synophrys Öpik, 1961b, pl. 13, figs 1-3, text-fig. 56 (SY)

C.P.C. 3522—Holotype (Pl. 13, fig. 1, text-fig. 56)—cranidium

C.P.C. 3533—Paratype A (Pl. 13, fig. 2)—cranidium

C.P.C. 3535—Paratype B (Pl. 13, fig. 3)—pygidium

Road crossing Boomerang Cr. headwaters of Burke R., Qld, lat. 21° 19.5' S, long. 140° 04' E (loc. D18). Devoncourt Limestone

Middle Cambrian

MAPANIIDAE gen. nov. et sp. nov., Öpik, 1967.

Mapaniidae gen. nov. et sp. nov., Öpik, 1967a, p. 304, Pl. 23, fig. 2, text-fig. 107

C.P.C. 5539—Figured specimen (Pl. 23, fig. 2, text-fig. 107)

Mungerebar-Mindyalla area, NW Qld, lat. 22° 08' S, long. 139° 57' E (loc. G103). Transition of Steamboat Sandstone and Mungerebar Limestone

Middle/Upper Cambrian Passage

MERINGASPIS MERINGASPIS Öpik, 1967.

Meringaspis meringaspis Öpik, 1967a, p. 323, Pl. 44, figs 6a-9; Pl. 45, figs 1, 2, text-figs 119-121

C.P.C. 5713—Holotype (Pl. 44, fig. 6a; Pl. 45, fig. 1, text-fig. 120)—cranidium

C.P.C. 5710—Figured specimen (Pl. 44, fig. 7, text-fig. 119)—cranidium

C.P.C. 5711—Figured specimen (Pl. 44, fig. 8)—cranidium

C.P.C. 5712—Figured specimen (Pl. 44, fig. 9)—hypostome

C.P.C. 5716—Figured specimen (Pl. 45, fig. 2, text-fig. 121)—pygidium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

MERINGASPIS sp. A, Öpik, 1967.

Meringaspis sp. A, Öpik, 1967a, p. 326, Pl. 46, figs 2, 4, 5

C.P.C. 5718—Figured specimen (Pl. 46, fig. 2)—cranidium

C.P.C. 5522—Figured specimen (Pl. 46, fig. 4)—pygidium

C.P.C. 5523—Figured specimen (Pl. 46, fig. 5)—pygidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 15' S, long. 139° 00' E (loc. G119). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

MERINGASPIS sp. B, Öpik, 1967.

Meringaspis sp. B, Öpik, 1967a, p. 326, Pl. 46, figs 1, 3

C.P.C. 5717—Figured specimen (Pl. 46, fig. 1)—cranidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 15' S, long. 139° 01' E (loc. G131).

Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

C.P.C. 5720—Figured specimen (Pl. 46, fig. 3)—pygidium

Mungerebar-Mindyalla area, lat. 22° 16' S, long. 138° 58.5' E (loc. G124). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

MEROPALLA AURICULATA Öpik, 1967.

Meropalla auriculata Öpik, 1967a, p. 271, Pl. 1; Pl. 19, figs 4, 5

C.P.C. 5514—Holotype (Pl. 1; Pl. 19, fig. 4)—cranidium

C.P.C. 5360—Figured specimen (Pl. 1)—cranidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 07' S, long. 139° 12' E (loc. G8). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

C.P.C. 5515—Figured specimen (Pl. 15, figs 5a-c)—cranidium

Mungerebar-Mindyalla area, lat. 22° 15' S, long. 139° 00' E (loc. G119). Mungerebar Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

MEROPALLA QUADRANS Öpik, 1967.

Meropalla quadrans Öpik, 1967a, p. 269, Pl. 1; Pl. 18, fig. 7; Pl. 19, figs 1-3

C.P.C. 5510—Holotype (Pl. 18, figs 7a, b)—cranidium

C.P.C. 5511—Figured specimen (Pl. 19, fig. 1)—pygidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 17.5' S, long. 138° 59.5' E (loc. G127). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

C.P.C. 5512—Figured specimen (Pl. 19, figs 2a, b)—cranidium

Mungerebar-Mindyalla area, lat. 22° 15' S, long. 138° 58' E (loc. G149). Mungere-

bar Limestone, Mindyallan Zone of *Erediaspis eretes*

C.P.C. 5513—Figured specimen (Pl. 19, fig. 3)—free cheek

C.P.C. 5360—Figured specimen (Pl. 1 pars)—cranidium

Mungerebar-Mindyalla area, lat. 22° 07' S, long. 139° 12' E (loc. G8). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

METEORASPIS BIDENS Öpik, 1967.

Meteoraspis bidens Öpik, 1967a, pl. 195, Pl. 5, figs 4-8, text-fig. 66

C.P.C. 5393—Holotype (Pl. 5, fig. 5)—pygidium

Glenormiston-Sylvester Cr. area, NW Qld, lat. 23° 58' S, long. 138° 42' E (loc. W17). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5394—Figured specimen (Pl. 5, fig. 6)—pygidium

C.P.C. 5395—Figured specimen (Pl. 5, fig. 7)—cranidium

C.P.C. 5397—Figured specimen (Pl. 5, fig. 8, top specimen, text-fig. 66, pars)—cranidium

C.P.C. 5398—Figured specimen (Pl. 5, fig. 8, lower specimen)—cranidium

Glenormiston-Sylvester Cr. area, lat. 22° 57.5' S, long. 138° 41.5' E (loc. W20). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5392—Figured specimen (Pl. 5, fig. 4, text-fig. 66, pars)—cranidium

Glenormiston-Sylvester Cr. area, lat. 22° 59' S, long. 138° 45' E (loc. W66). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

METEORASPIS aff. **BIDENS** Öpik, 1967.

Meteoraspis aff. *bidens* Öpik, 1967a, p. 198, Pl. 5, figs 1-3, text-fig. 67.

C.P.C. 5389—Figured specimen (Pl. 5, fig. 1)—cranidium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 58' E (loc. D28). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*.

C.P.C. 5390—Figured specimen (Pl. 5, fig. 2, text-fig. 67)—cranidium

C.P.C. 5391—Figured specimen (Pl. 5, fig. 3)—cranidium

Selwyn Range area, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale, (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

METOPOTROPIS TRAVESI Öpik, 1967.

Metopotropis travesi Öpik, 1967a, p. 224, Pl. 16, figs 9a, b, 10, text-fig. 77

C.P.C. 5495—Holotype (Pl. 16, figs 9a, b, text-fig. 77, pars)—cranidium

C.P.C. 5494—Figured specimen (Pl. 16, fig. 10)—free cheek

Glenormiston-Sylvester Cr. area, NW Qld, lat. 22° 59' S, long. 138° 43' E (loc. G48). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

MODOCIA? IMMODULATA Öpik, 1967.

Modocia? immodulata Öpik, 1967a, p. 188, Pl. 4, fig. 9, text-fig. 61

C.P.C. 5388—Holotype (Pl. 4, fig. 9, text-fig. 61)—complete specimen

Mungerebar-Mindyalla area, NW Qld, lat. 22° 10' S, long. 139° 00' E (loc. G107). Steamboat Sandstone

Middle Cambrian/Upper Cambrian passage

NILEGNA SIGMATA Öpik, 1967.

Nilegna sigmata Öpik, 1967a, p. 185, Pl. 4, figs 2-8; Pl. 5, fig. 8, text-fig. 59

C.P.C. 5381—Holotype (Pl. 4, fig. 2)—cranidium (text-fig. 59 combines figures on plate 4)

C.P.C. 5382—Figured specimen (Pl. 4, fig. 3)—cranidium

- C.P.C. 5383—Figured specimen (Pl. 4, fig. 4)—pygidium
 C.P.C. 5384—Figured specimen (Pl. 4, fig. 5)—fragmentary complete shield
 C.P.C. 5385—Figured specimen (Pl. 4, fig. 6)—fragmentary complete shield
 C.P.C. 5386—Figured specimen (Pl. 4, fig. 7)—free cheek, right
 C.P.C. 5387—Figured specimen (Pl. 4, fig. 8)—free cheek, left
 C.P.C. 5396—Figured specimen (Pl. 5, fig. 8)—cranidium
 Glenormiston-Sylvester Cr. area, NW Qld, lat. 22° 57.5' S, long. 138° 41' E (loc. W20). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

- NOMADINIS PRISTINUS** Öpik, 1967.
Nomadinis pristinus Öpik, 1967a, p. 255, Pl. 32, figs 5-7; Pl. 33, figs 2, 3, text-fig. 87
 C.P.C. 5612—Holotype (Pl. 33, fig. 2, text-fig. 87)—cranidium
 C.P.C. 5608—Figured specimen (Pl. 32, fig. 5)—cranidium
 C.P.C. 5609—Figured specimen (Pl. 32, fig. 6)—pygidium
 Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*
 C.P.C. 5610—Figured specimen (Pl. 32, fig. 7)—pygidium
 Glenormiston-Sylvester Cr. area, NW Qld, lat. 23° 00' S, long. 138° 49' E (loc. W1). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

- NORWOODELLA? DUBITALIS** Öpik, 1967.
Norwoodella? dubitalis Öpik, 1967a, p. 361, Pl. 39, fig. 6
 C.P.C. 5665—Holotype (Pl. 39, fig. 6)—cranidium
 Mungerebar-Mindyalla area, NW Qld, lat. 22° 13' S, long. 139° 01' E (loc. G429).

Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

- OEDORHACHIS? TRIDENS** Öpik, 1967.
Oedorhachis? tridens Öpik, 1967a, p. 128, Pl. 54, fig. 5, text-fig. 35
 C.P.C. 5803—Holotype (Pl. 54, fig. 5, text-fig. 35)—pygidium
 Mungerebar-Mindyalla area, NW Qld, lat. 22° 08' S, long. 139° 15' E (loc. G10)
 Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

- OIDALAGNOSTUS PERSONATUS** Öpik, 1967.
Oidalgagnostus personatus Öpik, 1967a, p. 136, Pl. 54, figs 7-9, text-fig. 39
 C.P.C. 5806—Holotype (Pl. 54, fig. 8)—pygidium
 C.P.C. 5805—Figured specimen (Pl. 54, fig. 7)—pygidium
 C.P.C. 5807—Figured specimen (Pl. 54, fig. 9)—cephalon
 C.P.C. 6726—Figured specimen (text-fig. 39)—pygidium
 Glenormiston-Sylvester Cr. area, NW Qld, lat. 23° 20.5' S, long. 138° 58' E (loc. W36). Devoncourt Limestone Zone of *Proampyx agra*

Middle Cambrian

- OIDALAGNOSTUS TRISPINIFER** Westergaard, 1946; Öpik, 1967.
Oidalgagnostus trispinifer Westergaard, 1946, p. 65, Pl. 9, figs 4-7; Öpik, 1967a, p. 134, Pl. 54, fig. 10
 C.P.C. 5808—Figured specimen (Pl. 54, fig. 10)—pygidium
 Mungerebar-Mindyalla area, NW Qld, lat. 22° 15.5' S, long. 139° 01' E (loc. G131). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

OLENOIDES TRANANS Öpik, 1967.

Olenoides tranans Öpik, 1967a, p. 174, Pl. 2, fig. 8, text-fig. 55

C.P.C. 5368—Holotype (Pl. 2, fig. 8)—pygidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 09' S, long. 139° 11' E (loc. G417). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

C.P.C. 6727—Figured specimen (text-fig. 55)—pygidium

Mungerebar-Mindyalla area, lat. 22° 10' S, long. 139° 00' E (loc. G107). Mungerebar Limestone

Middle Cambrian/Upper Cambrian passage

OLENIDAE gen. et sp. indet. Öpik, 1967.

Olenidae gen. et sp. indet., Öpik, 1967a, text-fig. 69

C.P.C. 6730—Figured specimen (text-fig. 69)—cranidium

De Little Range area, NW Qld, lat. 22° 19' S, long. 139° 52' E (loc. B537). Pomegranate Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

OLENUS DELICATUS Öpik, 1963.

Olenus delicatus Öpik, 1963, p. 62, Pl. 4, fig. 12, text-fig. 17

C.P.C. 4284—Holotype—cranidium

About 8 km E of Pomegranate Bore, NW Qld (loc. D120b). Pomegranate Limestone

Early Upper Cambrian

?OLENUS sp. A, Öpik, 1963.

?*Olenus* sp. A, Öpik, 1963, p. 641, Pl. 2, fig. 1, text-fig. 18

C.P.C. 4253—Figured specimen—cranidium

About 1.5 km SE of Pomegranate Bore and close to Pomegranate Cr. NW Qld (loc. D119). Pomegranate Limestone

Early Upper Cambrian

OLENUS OGILVIEI Öpik, 1963.

Olenus Ogilviei Öpik, 1963, p. 59, Pl. 1, figs 1-9; Pl. 2, figs 2-5, text-fig. 16

C.P.C. 4248—Holotype (Pl. 1, figs 1-4 (not Pl. 2 as given in text, p. 59), text-fig. 16)—complete specimen

C.P.C. 4249—Paratype A (Pl. 1, fig. 5)—almost complete specimen

C.P.C. 4250—Paratype B (Pl. 1, figs 6, 7)—almost complete specimen

C.P.C. 4251—Paratype C (Pl. 1, fig. 8)—complete specimen

C.P.C. 4252—Paratype D (Pl. 1, fig. 9)—complete specimen—(C.P.C. number not 4242 as given on plate)

C.P.C. 4354—Figured specimen (Pl. 2, fig. 2)—cranidium

C.P.C. 4255—Figured specimen (Pl. 2, fig. 3)—cranidium

C.P.C. 4256—Figured specimen (Pl. 2, figs 4, 5)—cranidium

C.P.C. 4304—Unfigured specimen

About 8 km E of Pomegranate Bore, NW Qld (loc. D120b). Pomegranate Limestone

Early Upper Cambrian

ONARASPIS ADUSTA Öpik, 1967.

Onaraspis adusta Öpik, 1967b, p. 157, Pl. 20, figs 3-7, text-fig. 5

C.P.C. 7173—Holotype (Pl. 20, figs 3, 4)—cranidium

C.P.C. 7174—Paratype (Pl. 20, fig. 5)—distorted cranidium

C.P.C. 7175—Paratype (Pl. 20, fig. 6)—pygidium

C.P.C. 7176—Paratype (Pl. 20, fig. 7)—cranidium and part of thorax

C.P.C. 7158 and C.P.C. 7159—specimens not figured but text-fig. 5 represents a restored cephalon

Ragged Range, Kimberley Division W.A., in the Blatchford Escarpment, lat. 16° 17' S, long. 128° 18' E. Blatchford Formation

Middle Cambrian (Ordian)

ONARASPIS SOMNIURNA Öpik, 1967.

Onaraspis somniurna Öpik, 1967b, p. 152, Pl. 19, figs 1-8; Pl. 20, figs 1, 2, text-figs 1-4

C.P.C. 7165—Holotype (Pl. 19, fig. 3)—cranium

C.P.C. 7163—Figured specimen (Pl. 19, fig. 1)—cranium

C.P.C. 7164—Figured specimen (Pl. 19, fig. 2)—cranium

C.P.C. 7166—Figured specimen (Pl. 19, fig. 4)—cranium

C.P.C. 7167—Figured specimen (Pl. 19, fig. 5)—fragment of cranium

C.P.C. 7168—Figured specimen (Pl. 19, fig. 6)—hypostome

C.P.C. 7169—Figured specimen (Pl. 19, fig. 7)—free cheek

C.P.C. 7170—Figured specimen (Pl. 19, fig. 8)—small pygidium

C.P.C. 7171—Figured specimen (Pl. 20, fig. 1)—anterior part of thorax

C.P.C. 7172—Figured specimen (Pl. 20, fig. 2)—posterior part of thorax

C.P.C. 7160—(text-fig. 3)—small pygidium

C.P.C. 7171—(text-fig. 4)—rear portion of thorax

About 8 km SE of Deep Well hstd and 18 km ENE of Deep Well railway siding, S of Alice Springs, N.T., about lat. 24° S, long. 134° E (loc. Rd 10). Giles Cr. Dolomite

Middle Cambrian (Ordian)

ONARASPIS sp. Indet. Öpik, 1967.

Onaraspis sp. indet., Öpik, 1967b, p. 159, Pl. 20, fig. 8, text-fig. 6

C.P.C. 7177—Figured specimen (fig. 8)—fragment of cranium

C.P.C. 7162—Figured specimen (text-fig. 6)

Gaylad Dam, 105 km E of Alice Springs, N.T., lat. 23° 46' S, long. 134° 50' E (loc. AS33). Todd River Dolomite

Middle Cambrian (late Ordian)

ONCHONOTELLUS OFFULA Öpik, 1967.

Onchonotellus offula Öpik, 1967a, p. 207, Pl. 9, fig. 7

C.P.C. 5426—Holotype (Pl. 9, fig. 7)—cranium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 13' S, long. 139° 01' S (loc. G429).

Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

OXYAGNOSTUS APICULA Öpik, 1967.

Oxyagnostus apicula Öpik, 1967a, p. 160, Pl. 63, figs 5-7, text-fig. 48

C.P.C. 5916—Holotype (Pl. 63, fig. 6, text-fig. 48)—pygidium

C.P.C. 5917—Figured specimen (Pl. 63, fig. 7)—cephalon

Wills Cr., De Little Range area, NW Qld, (loc. B525), lat. 22° 15' S, long. 139° 50' E. Pomegranate Limestone. Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5915—Figured specimen (Pl. 63, fig. 5)—pygidium

Wills Cr., De Little Range area, lat. 22° 19' S, long. 139° 52' E (loc. B537). Pomegranate Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

PAGODIA (IDAMEA) BACCATA Öpik, 1967.

Pagodia (Idamea) baccata Öpik, 1967a, p. 262, Pl. 17, figs 1-8; Pl. 18, figs 1-3, text-fig. 89

C.P.C. 5496—Holotype (Pl. 17, fig. 1, text-fig. 89, pars)—cranium

C.P.C. 5497—Figured specimen (Pl. 17, fig. 2, text-fig. 89, pars)—cranium

C.P.C. 5498—Figured specimen (Pl. 17, fig. 3a-c, text-fig. 89, pars)—cranium

C.P.C. 5500—Figured specimen (Pl. 17, fig. 5)—pygidium

C.P.C. 5501—Figured specimen (Pl. 17, fig. 6)—pygidium

C.P.C. 5502—Figured specimen (Pl. 17, fig. 7)—pygidium

C.P.C. 5503—Figured specimen (Pl. 17, fig. 8, text-fig. 89, pars)—rostral shield

C.P.C. 5504—Figured specimen (Pl. 18, fig. 1, text-fig. 89, pars)—free cheek

Pomegranate Cr. area, NW Qld, lat. 21° 47' S, long. 140° 16' E (loc. D120b). Pomegranate Limestone, Idamean Zone of *Erixanium sentum*

C.P.C. 5499—Figured specimen (Pl. 17, fig. 4)—cranidium

Glenormiston-Sylvester Cr. area, NW Qld, lat. 23° 06' S, long. 138° 51.5' E (loc. W8). Georgina Limestone, lowest part of Idamean Zone of *Erixanium sentum*

C.P.C. 5505—Figured specimen (Pl. 18, figs 2, 2a)—cranidium

C.P.C. 5506—Figured specimen (Pl. 18, fig. 3)—cranidium

Pomegranate Cr. close to Pomegranate Bore, NW Qld (loc. D119). Pomegranate Limestone, Idamean Zone of *Erixanium sentum*

Early Upper Cambrian

PAGODIA (IDAMEA) EXTRICANS Öpik, 1967.

Pagodia (Idamea) extricans, Öpik, 1967a, p. 261, Pl. 18, figs 4, 5

C.P.C. 5507—Holotype (Pl. 18, fig. 4)—cranidium

C.P.C. 5508—Figured specimen (Pl. 18, fig. 5)—pygidium

Glenormiston-Sylvester Cr. area, NW Qld, lat. 23° 08' S, long. 138° 51' E (loc. W45). Georgina Limestone, Idamean Zone of *Erixanium sentum*

Early Upper Cambrian

PAGODIA (IDAMEA) VENUSTA (Whitehouse, 1939); Öpik, 1967.

Idamea venusta Whitehouse, 1939, p. 232, Pl. 24, fig. 4

Pagodia (Idamea) venusta (Whitehouse); Öpik, 1967a, p. 260, Pl. 18, fig. 6, text-fig. 88.

C.P.C. 5509—Figured specimen (Pl. 18, fig. 6a-c)—cranidium (text-fig. 88 is taken from *Idamea venusta* Whitehouse, Pl. 24, fig. 4, 1939)

Glenormiston-Sylvester Cr. area, NW Qld, lat. 23° 02' S, long. 138° 42' E (loc. W16). Georgina Limestone, Idamean Zone of *Corynexochus plumula*

Early Upper Cambrian

PALAEADOTES DISSIDENS Öpik, 1967.

Palaeadotes dissidens Öpik, 1967a, p. 341, Pl. 50, figs 3-8, text-figs 128-129.

C.P.C. 5756—Holotype (Pl. 50, fig. 5)—pygidium

C.P.C. 5753—Figured specimen (Pl. 50, fig. 5, text-fig. 128, pars)—cranidium

Glenormiston-Sylvester Cr. area, NW Qld, lat. 22° 51.5' S, long. 138° 43' E (loc. G50). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5751—Figured specimen (Pl. 50, fig. 3, text-fig. 129, pars)—hypostome

C.P.C. 5752—Figured specimen (Pl. 50, fig. 4, text-fig. 128, pars)—cranidium

C.P.C. 5754—Figured specimen (Pl. 50, fig. 6, text-fig. 128, pars)—cranidium

C.P.C. 5755—Figured specimen (Pl. 50, fig. 7)—cranidium

Glenormiston-Sylvester Cr. area, lat. 22° 57.5' S, long. 138° 41' E (loc. W20). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

PALAEADOTES aff. DISSIDENS Öpik, 1967.

Palaeadotes aff. *dissidens* Öpik, 1967a, p. 343, text-figs 130, 131

C.P.C. 6737—Figured specimen (text-fig. 131 pars, 130)—cranidium

C.P.C. 6742—Figured specimen (text-fig. 131)—pygidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 08' S, long. 139° 15' E (loc. G10). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

PALAEADOTES ITALOPS Öpik, 1967.

Palaeadotes italops Öpik, 1967a, p. 345, Pl. 16, fig. 2; Pl. 50, figs 9-12; Pl. 51, figs 1-4, text-figs 132, 133

C.P.C. 5760—Holotype (Pl. 50, fig. 12)—pygidium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D28). O'Hara Shale (lower chert bed). Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5757—Figured specimen (Pl. 50, fig. 9, text-fig. 132, pars)—cranium

C.P.C. 5758—Figured specimen (Pl. 50, fig. 10, text-fig. 132, pars)—cranium

C.P.C. 5759—Figured specimen (Pl. 50, fig. 11, text-fig. 132, pars)—axial lobe of cranium

C.P.C. 5761—Figured specimen (Pl. 51, fig. 1)—hypostome

C.P.C. 5762—Figured specimen (Pl. 51, fig. 2, text-fig. 133)—hypostome

C.P.C. 5764—Figured specimen (Pl. 51, fig. 4)—hypostome

C.P.C. 5486—Figured specimen (Pl. 16, fig. 2, text-fig. 132, pars)—cranium

Selwyn Range area, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

PAPYRIASPIS LANCEOLA Whitehouse, 1939; Öpik, 1961.

Papyriaspis lanceola Whitehouse, 1939, Pl. 23, fig. 1; Öpik, 1961a, p. 419, Pl. 68, figs 1, 2; Pl. 69, fig. 1, text-figs 9-13; Öpik, 1961b, p. 155, Pl. 16, 17, text-fig. 49

C.P.C. 573—(1961a, Pl. 68, fig. 1, text-figs 9-12)

C.P.C. 574—(1961a, Pl. 68, fig. 2)

C.P.C. 577—(1961a, Pl. 69, fig. 1, text-fig. 11)—Figured specimens

About 5 km E of Morstone, Undilla Basin, NW Qld (loc. M418). V-Creek Limestone

Middle Cambrian

C.P.C. 3554—Figured specimen (1961b, Pl. 16, text-fig. 49 in part)—complete specimen

C.P.C. 574—Figured specimen (1961b, Pl. 17, fig. 3, text-fig. 49 in part)—free cheek

C.P.C. 573—Figured specimen (1961b, Pl. 17, fig. 4)—cranium and part of thorax
Undilla Basin, Qld (loc. M418). V-Creek Limestone

C.P.C. 3555—Figured specimen (1961b, Pl. 17, fig. 1)—cranium

C.P.C. 3556—Figured specimen (1961b, Pl. 17, fig. 2)—cranium

Undilla Basin, Qld (loc. M409). V-Creek Limestone

C.P.C. 3557—Figured specimen (1961b, Pl. 17, fig. 5)—complete specimen
Undilla Basin, Qld (loc. M410). V-Creek

Upper Middle Cambrian

PARACOOSIA ASPIS Öpik, 1967.

Paracoosia aspis Öpik, 1967a, p. 225, Pl. 31, figs 3a, b

C.P.C. 5599—Holotype (Pl. 31, figs 3a, b)—pygidium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29)

O'Hara Shale (lower chert bed), Mindy-Undilla Basin, Qld (loc. M410). V-Creek Limestone

Early Upper Cambrian

PEICHIASHANIA? LUNULATA Öpik, 1967.

Peichiashania? lunulata Öpik, 1967a, p. 222, Pl. 16, fig. 8, text-fig. 76A

C.P.C. 5492—Holotype (Pl. 16, fig. 8, text-fig. 76A)—cranium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29)

O'Hara Shale, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

PEICHIASHANIA? PELTA Öpik, 1967.

Peichiashania? pelta Öpik, 1967a, p. 223, Pl. 16, fig. 7, text-fig. 76B

C.P.C. 5491—Holotype (Pl. 16, fig. 7, text-fig. 76B)—cranidium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29)

O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

PERATAGNOSTUS NOBILIS Öpik, 1967.

Peratagnostus nobilis Öpik, 1967a, p. 87, Pl. 52, figs 10, 11a-c; Pl. 53, figs 1-11, text-fig. 18

C.P.C. 5787—Holotype (Pl. 52, figs 11a, b, c)—pygidium

C.P.C. 5786—Figured specimen (Pl. 52, fig. 10)—pygidium

C.P.C. 5788—Figured specimen (Pl. 53, fig. 1)—pygidium

C.P.C. 5789—Figured specimen (Pl. 53, fig. 2)—pygidium

C.P.C. 5790—Figured specimen (Pl. 53, fig. 3)—pygidium

C.P.C. 5791—Figured specimen (Pl. 53, fig. 4)—pygidium

C.P.C. 5792—Figured specimen (Pl. 53, figs 5a, b, c)—cephalon

C.P.C. 5793—Figured specimen (Pl. 53, figs 6a, b, c)—cephalon

C.P.C. 5794—Figured specimen (Pl. 53, fig. 7)—cephalon

C.P.C. 5795—Figured specimen (Pl. 53, fig. 8)—cephalon

C.P.C. 5796—Figured specimen (Pl. 53, figs 9a, b, c)—cephalon

C.P.C. 5797—Figured specimen (Pl. 53, fig. 10)—cephalon

Pomegranate Cr. area, NW Qld, lat. 21° 47' S, long. 140° 16' E (loc. D120b, 'D' missing from locality on Pl. 53). Pomegranate Limestone, Idamean Zone of *Erixanium sentum*

C.P.C. 5798—Figured specimen (Pl. 53, fig. 11)—cephalon

Glenormiston-Sylvester Cr., NW Qld, lat. 23° 07.5' S, long. 138° 51.5' E (loc. W10). Georgina Limestone, Idamean Zone of *Erixanium sentum*

Early Upper Cambrian

PERONOPSIS aff. **FALLAX** (Linnarsson, 1869); Öpik, 1967.

Peronopsis aff. *fallax* (Linnarsson); Öpik, 1967a, p. 82, Pl. 54, fig. 1

C.P.C. 5799—Figured specimen—pygidium
Quita Cr. area, NW Qld, lat. 21° 57.5' S, long. 139° 04' E (loc. D95). Steamboat Sandstone, Zone of *Leiopyge laevigata*

Late Middle Cambrian

PERONOPSIS SCAPHOA Öpik, 1961.

Peronopsis scaphoa Öpik, 1961b, p. 55, Pl. 18, figs 1-3, text-fig. 17

C.P.C. 3558—Holotype (Pl. 18, fig. 1)—cephalon

C.P.C. 3559—Paratype (Pl. 18, fig. 2)—cephalon

C.P.C. 3560—Paratype (Pl. 18, fig. 3)—pygidium

C.P.C. 3651—Unfigured specimen

Roaring Bore, headwaters of Burke R., Qld, lat. 21° 18.5' S, long. 140° 05' E. 45-55 m below top of Roaring Siltstone

Middle Cambrian

PERONOPSIS sp. G, Öpik, 1961.

Peronopsis sp. G, Öpik, 1961b, p. 57, Pl. 18, fig. 4

C.P.C. 3561—Figured specimen—cephalon
Roaring Bore, headwaters of Burke R., Qld, lat. 21° 18.5' S, long. 140° 05' E (loc. D7/15). 45-55 m below top of Roaring Siltstone

Middle Cambrian

PIAZIELLA CHERRIA Gatehouse, 1968.

Piaziella cherria Gatehouse, 1968, p. 55, Pl. 7, fig 2, text-fig. 6

C.P.C. 6921—Holotype (Pl. 7, fig. 2)

W of Elliot Cr., 13 km NW of Litchfield hstd, N.T., and 2 km NE of loc. NT6 (loc. NT7). Tindall Limestone

Early Middle Cambrian

PLACOSEMA ADNATUM Öpik, 1967.

Placosema adnatum Öpik, 1967a, p. 382, Pl. 19, fig. 6; Pl. 20, fig. 1

C.P.C. 5517—Holotype (Pl. 20, figs 1a, b, c)—cranidium

Glenormiston-Sylvester Cr. area, NW Qld, lat. 22° 57.5' S, long. 138° 41' E, (loc. G51). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5516—Figured specimen (Pl. 19, fig. 6)—cranidium

Mungerebar-Mindyalla area, lat. 22° 14' S, long. 139° 22' E, (loc. G12). Mungerebar Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

PLACOSEMA CAELATUM Öpik, 1967.

Placosema caelatum Öpik, 1967a, p. 381, Pl. 20, figs 2-4

C.P.C. 5518—Holotype (Pl. 20, fig. 2)—cranidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 17.5' S, long. 138° 59.5' E, (loc. G127). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

C.P.C. 5519—Figured specimen (Pl. 20, fig. 3)—cranidium

Mungerebar-Mindyalla area, lat. 22° 15' S, long. 139° 00' E, (loc. G119). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

C.P.C. 5520—Figured specimen (Pl. 20, fig. 4)—free cheek

Mungerebar-Mindyalla area, lat. 22° 16.5' S, long. 138° 58.5' E, (loc. G124). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

PLECTRIFER MITIS Öpik, 1967.

Plectrifer mitis Öpik, 1967a, p. 295, Pl. 24, figs 5-9

C.P.C. 5547—Holotype (Pl. 24, fig. 5)—cranidium

C.P.C. 5548—Figured specimen (Pl. 24, fig. 7)—pygidium

C.P.C. 5549—Figured specimen (Pl. 24, fig. 8)—pygidium

C.P.C. 5550—Figured specimen (Pl. 24, fig. 8)—pygidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 15.5' S, long. 139° 01' E, (loc. G131). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

C.P.C. 5551—Figured specimen (Pl. 24, fig. 9)—pygidium

Mungerebar-Mindyalla area, lat. 22° 13' S, long. 139° 00' E, (loc. G429). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*.

Early Upper Cambrian

PLECTRIFER PLECTRIFER Öpik, 1967.

Plectrifer plectrifer Öpik, 1967a, p. 291, Pl. 23, figs 3, 4

C.P.C. 5540—Holotype (Pl. 23, figs 3a, b, c)—cranidium

C.P.C. 5541—Figured specimen (Pl. 23, fig. 3a, upper right corner)—cranidium

C.P.C. 5542—Figured specimen (Pl. 23, fig. 4)—cranidium

C.P.C. 5543—Figured specimen (Pl. 24, figs 1a, b)—cranidium

C.P.C. 5544—Figured specimen (Pl. 24, fig. 2)—free cheek

C.P.C. 5545—Figured specimen (Pl. 24, fig. 3)—pygidium

C.P.C. 5546—Figured specimen (Pl. 24, fig. 4)—pygidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 15.5' S, long. 139° 01' E, (loc. G131). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

C.P.C. 5887—Figured specimen (Pl. 60, fig. 15, text-fig. 51, pars)—pygidium

C.P.C. 5888—Figured specimen (Pl. 60, fig. 16, text-fig. 51, pars)—pygidium

Lat. 21° 25' S, long. 140° 00' E, Selwyn Range area (loc. D6). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

PLURINODUS DISCRETUS Öpik, 1967.

Plurinodus discretus Öpik, 1967a, p. 170, Pl. 60, figs 15-17, text-fig. 51

C.P.C. 5889—Holotype (Pl. 60, fig. 17, text-fig. 51, pars)—pygidium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E, (loc. D29). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

PLURINODUS cf. **DISCRETUS?** Öpik, 1967.

Plurinodus cf. *discretus?*, Öpik, 1967a, p. 172, Pl. 51, fig. 4; Pl. 60, fig. 18

C.P.C. 5765—Figured specimen (Pl. 51, fig. 4; Pl. 60, fig. 18)—cephalon

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E, (loc. D29). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

POLYCYRTASPIS FLEXUOSA Öpik, 1967.

Polycyrtaspis flexuosa Öpik, 1967a, p. 383, Pl. 9, figs 1-4, text-figs 145, 146

C.P.C. 5420—Holotype (Pl. 9, fig. 1, text-fig. 145, pars)—cranium

C.P.C. 5421—Figured specimen (Pl. 9, fig. 2, text-fig. 145, pars)—cranium

C.P.C. 5423—Figured specimen (pl. 9, fig. 4)—hypostoma

Selwyn Range area, NW Qld, lat. 21° 26' S, 139° 59.5' E (loc. D29). O'Hara Shale

(lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5422—Figured specimen (Pl. 9, figs 3a, b, text-fig. 146)—pygidium

Selwyn Range area, lat. 21° 26' S, long. 139° 58' E (loc. D6). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

PROAMPYX AGRA Öpik, 1961.

Proampyx agra, Öpik, 1961b, p. 146, Pl. 12, figs 1-6

C.P.C. 3510—Holotype (Pl. 12, fig. 1)—cranium

C.P.C. 3511—Figured specimen (Pl. 12, fig. 4)—cranium

Road crossing Boomerang Cr., headwaters of Burke R., Qld, lat. 21° 19.5' S, long. 140° 04' E (loc. D18). Devoncourt Limestone

C.P.C. 3514—Figured specimen (Pl. 12, fig. 2)—pygidium

1 km S of road and E of Pilgrim Fault, 10-11 km E of Duchess, headwaters of Burke R., Qld, lat. 21° 22' S, long. 139° 55' E (loc. D13A). Devoncourt Limestone

C.P.C. 3512—Paratype (Pl. 12, fig. 3)—complete specimen

C.P.C. 3513—Paratype (Pl. 12, figs 5a, c)—cephalon

Headwaters of Burke R., Qld, lat. 21° 21' S, long. 140° 03' E (loc. D16). Devoncourt Limestone

C.P.C. 3515—Figured specimen (Pl. 12, figs 6a, b)—pygidium

Creek crossing rocky gully, headwaters of Burke R., lat. 21° 16.5' S, long. 140° 06' E (loc. D14). Devoncourt Limestone

Middle Cambrian

PROAMPYX sp. D Öpik, 1961.

Proampyx sp. D Öpik, 1961b, p. 148, Pl. 10, figs 8, 9

C.P.C. 3530—Figured specimen (Pl. 10, fig. 9)—cranium

C.P.C. 3531—Figured specimen (Pl. 10, fig. 8)—pygidium
Roaring Bore, headwaters of Burke R., Qld, lat. 21° 18.5' S, long. 140° 05' E (loc. D7/15). 45-55 m below top of Roaring Siltstone

Middle Cambrian

PROBOWMANIA? FORTIS Gatehouse, 1968.

Probowmania? fortis Gatehouse, 1968, p. 52, Pl. 7, figs 1a, b, c, text-fig. 4. (genus not queried for this text-fig.)

C.P.C. 6819—Holotype (Pl. 7, fig. 1a)—cranium

C.P.C. 6820—Paratype (fig. 1b)—left cheek

C.P.C. 6821—Paratype (fig. 1c)—pygidium

W of Elliot Cr., 13 km NW of Litchfield hstd, N.T., and 2 km NE of loc. NT6 (loc. NT7). Tindall Limestone

Early Middle Cambrian

PROCERATOPYGE cf. **CHUHSIENSIS** Lu, 1956; Öpik, 1963.

Proceratopyge chuhsiensis Lu, 1956, Pl. 1, fig. 1

Proceratopyge cf. *chuhsiensis* Lu; Öpik, 1963, p. 99, Pl. 5, figs AA, text-fig. 37

C.P.C. 4281—Figured specimen—cranium

About 8 km E of Pomegranate Bore, NW Qld (loc. D120b). Pomegranate Limestone

Early Upper Cambrian

PROCERATOPYGE LATA Whitehouse, 1939; Öpik, 1963.

Proceratopyge lata Whitehouse, 1939, p. 248, Pl. 25, figs 12, 13; Öpik, 1963, p. 98, Pl. 4, figs 9, 10; Pl. 5, CC, EF, GF

C.P.C. 4281—Figured specimen (Pl. 4, fig. 9)—pygidium

C.P.C. 4282—Figured specimen (Pl. 4, fig. 10)—cranium

About 8 km E of Pomegranate Bore, NW Qld (loc. D120b). Pomegranate Limestone

Early Upper Cambrian

PSEUDAGNOSTINA VICARIA Öpik, 1967.

Pseudagnostina vicaria Öpik, 1967a, p. 158, Pl. 55, fig. 4; Pl. 64, figs 8, 9

C.P.C. 5918—Holotype (Pl. 63, fig. 8)—pygidium

C.P.C. 5919—Figured specimen (Pl. 63 fig. 9)—cephalon

C.P.C. 5916—Figured specimen (Pl. 55, fig. 4, not 10 as given on p. 63)—cephalon

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

PSEUDAGNOSTINA? sp. indet. (aff. **VICARIA** Öpik), Öpik, 1967.

Pseudagnostina? sp. indet. (aff. *vicaria* Öpik), 1967a, p. 159, Pl. 63, fig. 10

C.P.C. 5920—Figured specimen (Pl. 63, fig. 10)—pygidium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

PSEUDAGNOSTUS AMPULLATUS Öpik, 1967.

Pseudagnostus ampullatus Öpik, 1967a, p. 150, Pl. 61, figs 7-11, text-fig. 45

C.P.C. 5896—Holotype (Pl. 61, fig. 7, text-fig. 45, pars)—pygidium

C.P.C. 5897—Figured specimen (Pl. 61, fig. 8)—pygidium

C.P.C. 5899—Figured specimen (Pl. 61, fig. 10, text-fig. 45, pars)—cephalon

Wills Cr., De Little Range, NW Qld, lat. 22° 15' S, long. 139° 50' E (loc. B525). Pomegranate Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5898—Figured specimen (Pl. 61, fig. 9)—pygidium

C.P.C. 5900—Figured specimen (Pl. 61,

fig. 11)—cephalon (locality number B537 omitted after fig. 11)

Wills Cr., De Little Range area, lat. 22° 19' S, long. 139° 52' E (loc. B537). Pomegranate Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

PSEUDAGNOSTUS BULGOSUS Öpik, 1967.

Pseudagnostus bulgosus Öpik, 1967a, p. 156, Pl. 38, fig. 8; Pl. 62, figs 1-4, text-fig. 47

C.P.C. 5901—Holotype (Pl. 62, fig. 1, text-fig. 47, pars)—pygidium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 58' E (loc. D28). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5902—Figured specimen (Pl. 62, figs 2a, b, text-fig. 47, pars)—pygidium

C.P.C. 5903—Figured specimen (Pl. 62, fig. 3)—pygidium

C.P.C. 5904—Figured specimen (Pl. 62, fig. 4, text-fig. 47, pars)—cephalon

C.P.C. 5656—Figured specimen (Pl. 38, fig. 8)—pygidium

Selwyn Range area, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

PSEUDAGNOSTUS IDALIS Öpik, 1967.

Pseudagnostus idalis Öpik, 1967a, p. 153, Pl. 62, figs 8, 9; Pl. 63, figs 1, 3

C.P.C. 5908—Holotype (Pl. 62, fig. 8)—pygidium

C.P.C. 5909—Figured specimen (Pl. 62, fig. 9)—pygidium

C.P.C. 5910—Figured specimen (Pl. 62, fig. 9)—cephalon

C.P.C. 5911—Figured specimen (Pl. 63, fig. 1)—cephalon

Glenormiston-Sylvester Cr. area (text-fig. 4). NW Qld, lat. 23° 26' S, long. 138°

58' E (loc. W39). Georgina Limestone, Idamean Zone of *Corynexochus plumula*

C.P.C. 5913—Figured specimen (Pl. 63, fig. 3)—pygidium

Pomegranate Cr. area, lat. 21° 41' S, long. 140° 11' E (loc. D132). Pomegranate Limestone, Idamean Zone of *Corynexochus plumula*

Early Upper Cambrian

PSEUDAGNOSTUS cf. **IDALIS** Öpik 1967.

Pseudagnostus cf. *idalis* Öpik, 1967a, p. 154, Pl. 63, fig. 4

C.P.C. 5914—Figured specimen (Pl. 63, fig. 4)—cephalon

Pomegranate Cr. area, NW Qld, lat. 21° 41' S, long. 140° 11' E (loc. D123). Pomegranate Limestone, Idamean Zone of *Corynexochus plumula*

Early Upper Cambrian

PSEUDAGNOSTUS MESTUS Öpik, 1967.

Pseudagnostus mestus Öpik, 1967a, p. 155, Pl. 62, figs 5, 6, text-fig. 46

C.P.C. 5906—Holotype (Pl. 62, fig. 6, text-fig. 46, pars)—pygidium

C.P.C. 5905—Figured specimen (Pl. 62, fig. 5, text-fig. 46, pars)—cephalon

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

PSEUDAGNOSTUS SERICATUS Öpik, 1967.

Pseudagnostus sericatus Öpik, 1967a, p. 153, Pl. 62, fig. 7

C.P.C. 5907—Holotype (Pl. 62, fig. 7)—cephalon

Glenormiston-Sylvester Cr. area, NW Qld, lat. 23° 00' S, long. 138° 45' E (loc. W15). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

PSEUDAGNOSTUS cf. **VASTULUS**
Whitehouse, 1936; Öpik, 1963.

Pseudagnostus vastulus Whitehouse, 1936,
p. 99, Pl. 10, figs 3, 4

Pseudagnostus cf. *vastulus* Whitehouse;
Öpik, 1963, p. 50, text-fig. 13

C.P.C. 4302—Figured specimen—cephalon
and pygidium

About 8 km E of Pomegranate Bore, NW
Qld (loc. D120b). Pomegranate Lime-
stone

Early Upper Cambrian

PSEUDOPHALACROMA **DUBIUM**
(Whitehouse, 1936); Öpik, 1961.

Phalacroma dubium Whitehouse, 1936, p.
25, Pl. 9

Pseudophalacroma dubium (Whitehouse);
Öpik, 1961b, p. 93, Pl. 22, figs 5-10, text-
fig. 33

C.P.C. 3617—Figured specimen (Pl. 22,
fig. 5)—pygidium

C.P.C. 3618—Figured specimen (Pl. 22,
fig. 6)—cephalon

Fault block at N end of Pilgrim Fault, head-
waters of Burke R., Qld, lat. 21° 20' S,
long. 139° 57' E (loc. D19B). Roaring
Siltstone

C.P.C. 3619—Figured specimen (Pl. 22,
figs 8a, b)—cephalon

Road crossing Boomerang Cr., headwaters
of Burke R. (lat. 21° 19.5' S, long. 140°
04' E (loc. D18). Devoncourt Limestone

C.P.C. 3623—Figured specimen (Pl. 22,
figs 7a, b)—pygidium (loc. ? D18 as
above)

C.P.C. 3620—Figured specimen (Pl. 22, fig.
9)—cephalon

C.P.C. 3621—Figured specimen (Pl. 22,
fig. 10)—pygidium

1 km S of road and E of Pilgrim Fault, 11
km E of Duchess, headwaters Burke R.,
lat. 21° 22' S, long. 139° 57' E (loc.
D13A)

Middle Cambrian

PSEUDOPHALACROMA sp. K, Öpik,
1961.

Pseudophalacroma sp. K, Öpik, 1961b, p.
94, Pl. 22, fig. 11

C.P.C. 3622—Figured specimen—pygidium.
Road crossing Boomerang Cr. right bank,
headwaters of Burke R., Qld, lat. 21°
19.5' S, long. 140° 04' E (loc. D18).
Devoncourt Limestone

Middle Cambrian

PSEUDOPHALACROMA sp. L, Öpik,
1961.

Pseudophalacroma sp. L, Öpik, 1961b, p.
95, Pl. 22, fig. 12

C.P.C. 3624—Figured specimen—pygidium.
About 11 km E of Duchess and about 1
km N of loc. D17A, headwaters of Burke
R., Qld, lat. 21° 22' S, long. 139° 58' E.
(loc. D17B). Devoncourt Limestone

Middle Cambrian

PTYCHAGNOSTUS (GONIAGNOSTUS)
FUMICOLA Öpik, 1961.

Ptychagnostus (Goniagnostus) fumicola
Öpik, 1961b, p. 81, Pl. 20, figs 14a-17;
Pl. 21, fig. 2, text-figs 28, 29; Öpik,
1967a, p. 91, Pl. 57, figs 1, 2. (sp. nov.
on plate should read Öpik)

C.P.C. 3598—Holotype (Pl. 20, figs 14a,
b, text-fig. 29, figs 9a, b, should read
14a, b)

C.P.C. 3599—Figured specimen (Pl. 20,
fig. 15)—cephalon

C.P.C. 3601—Figured specimen (Pl. 20,
fig. 16)—cephalon

C.P.C. 3600—Figured specimen (Pl. 20,
fig. 17)—cephalon

Composite figure text-fig. 28

Right bank of Smoky Cr., Glenormiston
area, Qld (loc. G9). Lower part of Mun-
gerebar Limestone

C.P.C. 3604—Figured specimen (Pl. 21,
fig. 2)—pygidium

Creek crossing, 13.7 km E of Duchess, head-
waters of Burke R., Qld, lat. 21° 21.5' S,
long. 139° 59' E (loc. D15). Devoncourt
Limestone

Middle Cambrian

C.P.C. 5939—Figured specimen (Pl. 57, fig. 1)—pygidium

Mungerebar-Mindyalla area, lat. 22° 08' S, long. 138° 57' E, (loc. G103). Steamboat Sandstone-Mungerebar Limestone transition, Zone of *Leipyge laevigata*

Middle Cambrian

C.P.C. 5840—Figured specimen (Pl. 57, fig. 2)—pygidium

Mungerebar-Mindyalla area, lat. 22° 0.5' S, long. 139° 10' E, (loc. G9).

Middle/Upper Cambrian Zone of passage

PTYCHAGNOSTUS (GONIAGNOSTUS)
sp. P aff. **NATHORSTI** (Brögger, 1878); Öpik, 1961.

Goniagnostus nathorsti Brögger, 1878, p. 68, Pl. 5, fig. 1

Ptychagnostus (Goniagnostus) sp. P aff. *nathorsti* (Brögger); Öpik, 1961b, p. 84, Pl. 21, fig. 1, text-fig. 30

C.P.C. 3603—Figured specimen (Pl. 21, fig. 1, text-fig. 30)—pygidium

Road crossing Boomerang Cr., headwaters of Burke R., Qld, lat. 21° 19.5' S, long. 140° 04' E, (loc. D18). Devoncourt Limestone

Middle Cambrian

PTYCHAGNOSTUS (GONIAGNOSTUS) NATHORSTI (Brögger, 1878); Öpik, 1961.

Ptychagnostus (Goniagnostus) nathorsti (Brögger); Öpik, 1961b, p. 84, text-fig. 31

C.P.C. 3603a—pygidium

Roaring Bore, headwaters of Burke R., Qld, lat. 21° 18.5' S, long. 140° 05' E (loc. D13A). 45-55 m below top of Roaring Siltstone

Middle Cambrian

PTYCHAGNOSTUS (GONIAGNOSTUS) NODIBUNDUS Öpik, 1967.

Ptychagnostus (Goniagnostus) nodibundus Öpik, 1967a, p. 92, Pl. 57, fig. 3, 4

C.P.C. 5841—Holotype (Pl. 67, fig. 3)—pygidium

Mungerebar-Mindyalla area (text-fig. 3), NW Qld, lat. 22° 09' S, long. 139° 11' E (loc. G417). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

C.P.C. 5842—Figured specimen (Pl. 57, fig. 4)—cephalon

Mungerebar-Mindyalla area, lat. 22° 07' S, long. 139° 12' E (loc. G8). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

PTYCHAGNOSTUS (PTYCHAGNOSTUS) ACULEATUS (Angelin, 1851); Öpik, 1961.

Agnostus aculeatus Angelin, 1851, p. 8, Pl. 6, fig. 12.

Ptychagnostus (Ptychagnostus) aculeatus (Angelin); Öpik, 1961b, p. 80, Pl. 21, figs 3, 4a, b

C.P.C. 3602—Figured specimen (Pl. 21, fig. 3)—pygidium

Road crossing Boomerang Cr., headwaters of Burke R., Qld, lat. 21° 19.5' S, long. 140° 04' E (loc. D18). Devoncourt Limestone

C.P.C. 3605—Figured specimen (Pl. 21, figs 4a, b)—pygidium

Roaring Bore, headwaters of Burke R., lat. 21° 18.5' S, long. 140° 05' E. About 45-55 m below top of Roaring Siltstone

Middle Cambrian

PTYCHAGNOSTUS (PTYCHAGNOSTUS) CASSIS Öpik, 1961.

Ptychagnostus (Ptychagnostus) cassis Öpik, 1961b, p. 77, Pl. 20, figs 4a-13, text-fig. 27

C.P.C. 3588—Holotype (Pl. 20, figs 4a, b, upper text-fig. 27)—cephalon

About 11 km E of Duchess, headwaters of Burke R., Qld, lat. 21° 21' S long. 139° 58' E (loc. D17A). Lowermost portion of Devoncourt Limestone

- C.P.C. 3589—Paratype A (Pl. 20, figs 5a, b)—cephalon
 C.P.C. 3590—Paratype B (Pl. 20, fig. 6)—cephalon
 C.P.C. 3591—Paratype C (Pl. 20, fig. 7)—cephalon
 C.P.C. 3592—Paratype D (Pl. 20, fig. 8)—cephalon
 C.P.C. 3593—Paratype E (Pl. 20, fig. 9)—pygidium
 C.P.C. 3594—Paratype F (Pl. 20, fig. 10)—pygidium
 C.P.C. 3595—Paratype G (Pl. 20, fig. 11)—pygidium
 C.P.C. 3596—Paratype H (Pl. 20, fig. 12)—pygidium
 C.P.C. 3597—Paratype I (Pl. 20, fig. 13)—pygidium
 Fault block at N end of Pilgrim Fault, headwaters of Burke R., Qld, lat. 21° 20' S, long. 139° 57' E (loc. D19B). Roaring Siltstone

Middle Cambrian

PTYCHAGNOSTUS? SERUS Öpik, 1967.

Ptychagnostus? serus Öpik, 1967a, p. 92, Pl. 57, fig. 7, text-fig. 19

C.P.C. 5845—Holotype (pl. 57, fig. 7, text-fig. 19)—cephalon

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

PTYCHAGNOSTUS sp. O Öpik, 1961.

Ptychagnostus sp. O Öpik, 1961b, p. 85, Pl. 11, fig. 8

C.P.C. 3582—Figured specimen—pygidium
 Road crossing Boomerang Cr., headwaters of Burke R., Qld, lat. 21° 19.5' S, long. 140° 04' E (loc. D18). Devoncourt Limestone

Middle Cambrian

QUITACETRA ARENATA Öpik, 1967.

Quitacetra arenata Öpik, 1967a, p. 299, Pl. 21, figs 7, 8; Pl. 22, figs 1-5, text-figs 103, 104

C.P.C. 5527—Holotype (Pl. 21, fig. 7, pars, 8, text-fig. 103, pars)—cranium

C.P.C. 5528—Figured specimen (Pl. 22, fig. 1)—pygidium

C.P.C. 5529—Figured specimen (Pl. 22, fig. 2)—pygidium

C.P.C. 5530—Figured specimen (Pl. 22, fig. 3)—cranium

C.P.C. 5531—Figured specimen (Pl. 22, fig. 4, text-fig. 103, pars, text-fig. 104; in text-fig. 103, Pl. 23 should read 22)—cranium

C.P.C. 5532—Figured specimen (Pl. 22, fig. 5, text-fig. 103, pars)—free cheek

Quita Cr. area, NW Qld, lat. 21° 56' S, long. 139° 00' E (loc. D95). Steamboat Sandstone, Zone of *Leiopyge laevigata*

Middle Cambrian

QUITALIA UNCATA Öpik, 1967.

Quitatia uncata Öpik, 1967a, p. 301, Pl. 22, figs 6-10; Pl. 23, figs 1a, b, text-fig. 105

C.P.C. 5533—Holotype (Pl. 22, fig. 6, text-fig. 105, pars)—cranium

C.P.C. 5536—Figured specimen (Pl. 22, fig. 9, text-fig. 105, pars)—cranium

Quita Cr. area, NW Qld, lat. 21° 53' S, long. 139° 05' E (loc. D104). Quita Cr. Formation (upper part), Zone of *Ptychagnostus punctatus*

C.P.C. 5534—Figured specimen (Pl. 22, fig. 7, text-fig. 105, pars)—free cheek

C.P.C. 5535—Figured specimen (Pl. 22, fig. 8)—pygidium

C.P.C. 5537—Figured specimen (Pl. 22, fig. 10)—cranium

C.P.C. 5538—Figured specimen (Pl. 23, figs 1a, b)—marginal spine

Quita Cr. area, lat. 21° 57' S, long. 139° 05' E (loc. D59). Quita Creek Formation, Zone of *Ptychagnostus punctatus*

Middle Cambrian

QUITALIA sp. nov. aff. **UNCATA** Öpik, 1967.

Quitatia sp. nov. aff. *uncata* Öpik, 1967a, p. 303, text-fig. 106.

C.P.C. 6735—Figured specimen (text-fig. 106)—pygidium

Quita Cr. area, NW Qld, lat. 21° 56' S, long. 139° 01' E (loc. D96). Steamboat Sandstone Zone of *Leiopyge laevigata* II

Middle Cambrian

REDLICHIA sp. Gatehouse, 1968.

Redlichia sp. Gatehouse, 1968, p. 49, Pl. 6, fig. 3.

C.P.C. 6818—Figured specimen

W of Elliot Cr., 13 km NW of Litchfield hstd, N.T. (loc. NT6). Tindall Limestone

Early Middle Cambrian

RHODONASPIS LONGULA Whitehouse, 1939; Öpik, 1963, 1967.

Rhodonaspis longula Whitehouse, 1939, p. 220, Pl. 23, fig. 9; Öpik, 1963, p. 68, Pl. 6, figs 1-7; Pl. 7, figs 1, 2, text-figs 21, 22; Öpik, 1967a, p. 202, Pl. 51, fig. 10.

C.P.C. 4298—Figured specimen (1963, Pl. 6, fig. 1)—cranidium

C.P.C. 4292—Figured specimen (1963, Pl. 6, fig. 5, text-fig. 22)—pygidium

C.P.C. 4293—Figured specimen (1963, Pl. 6, figs 6, 7)—pygidium

About 13 km SW of Glenormiston hstd, NW Qld (loc. W15). Georgina Limestone

C.P.C. 4289—Figured specimen (1963, Pl. 6, fig. 2, text-fig. 21)—cranidium

C.P.C. 4290—Figured specimen (1963, Pl. 6, fig. 3)—cranidium

C.P.C. 4296—Figured specimen (1963, Pl. 7, fig. 1)—thorax and pygidium

C.P.C. 4297—Figured specimen (1963, Pl. 7, fig. 2)—thorax and pygidium

About 11 km W of Glenormiston hstd, NW Qld (loc. W20). Georgina Limestone

C.P.C. 4291—Figured specimen (1963, Pl. 6, fig. 4)—cranidium

Selwyn Range, NW Qld (loc. D29). O'Hara Shale

C.P.C. 4298—Figured specimen (1963, Pl. 7, fig. 3)—thecae

About 8 km E of Pomegranate Bore, NW Qld (loc. D120a). Pomegranate Limestone

Early Upper Cambrian

C.P.C. 5772—Figured specimen (1967a, Pl. 51, fig. 10)—free cheek

Glenormiston-Sylvester Cr. area, NW Qld, lat. 22° 57.5' S, long. 138° 41.5' E (loc. W20). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

RHYSSOMETOPUS NEUTER Öpik, 1967.

Rhyssometopus neuter Öpik, 1967a, p. 284, Pl. 27, fig. 7.

C.P.C. 5575—Holotype (Pl. 27, fig. 7)—cranidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 15' S, long. 139° 59' E (loc. G119). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

RHYSSOMETOPUS (RHYSSOMETOPUS) PRINCEPS Öpik, 1967.

Rhyssometopus (Rhyssometopus) princeps, Öpik, 1967a, p. 279, Pl. 26, figs 1-9; Pl. 27, figs 1-3; Pl. 51, fig. 10, text-figs 96, 97.

C.P.C. 5560—Holotype (Pl. 26, fig. 1, text-fig. 96, pars)—cranidium

C.P.C. 5561—Figured specimen (Pl. 26, fig. 2)—cranidium

C.P.C. 5562—Figured specimen (Pl. 26, fig. 3, text-fig. 96, pars)—cranidium

C.P.C. 5563—Figured specimen (Pl. 26, fig. 4)—coiled specimen

- C.P.C. 5564—Figured specimen (Pl. 26, fig. 5)—free cheek
 C.P.C. 5565—Figured specimen (Pl. 26, fig. 6)—free cheek
 C.P.C. 5566—Figured specimen (Pl. 26, fig. 7)—pygidium
 C.P.C. 5567—Figured specimen (Pl. 26, fig. 8)—pygidium
 C.P.C. 5568—Figured specimen (Pl. 26, fig. 9)—pygidium
 C.P.C. 5569—Figured specimen (Pl. 27, fig. 1, text-fig. 96, pars)—free cheek
 Glenormiston-Sylvester Cr. area, NW Qld, lat. 22° 57.5' S, long. 138° 41.5' E (loc. W20). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*
 C.P.C. 5570—Figured specimen (Pl. 27, fig. 2)—pygidium
 C.P.C. 5571—Figured specimen (Pl. 27, fig. 3)—cranidium
 C.P.C. 6734—Figured specimen (text-fig. 97, pars)—cranidium
 C.P.C. 6734a—Figured specimen (text-fig. 97, pars)—pygidium
 Selwyn Range area, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

RHYSSOMETOPUS (RHYSSOMETOPUS) RHYSSOMETOPUS Öpik, 1967.

Rhyssometopus (Rhyssometopus) rhyssometopus Öpik, 1967a, p. 274, Pl. 25, figs 1-4; Pl. 33, fig. 4; Pl. 46, fig. 3, text-figs 93-95

- C.P.C. 5552—Holotype (Pl. 25, fig. 1, text-fig. 93, pars)—cranidium
 C.P.C. 5553—Figured specimen (Pl. 25, fig. 2, text-fig. 93, pars)—free cheek
 C.P.C. 5554—Figured specimen (Pl. 25, fig. 3, text-fig. 93, pars)—pygidium
 C.P.C. 6739—Figured specimen (text-fig. 94)—cranidium
 C.P.C. 6733—Figured specimen (text-fig. 93)—segment of thorax

Mungerebar-Mindyalla area, NW Qld, lat. 22° 13' S, long. 139° 10' E (loc. G153). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

- C.P.C. 5555—Figured specimen (Pl. 25, fig. 4; Pl. 33, fig. 4)—pygidium

Mungerebar-Mindyalla area, lat. 22° 17.5' S, long. 138° 58.5' E (loc. G125). Mungerebar Limestone, Zone of *Cyclagnostus quasivespa*

- C.P.C. 5719—Figured specimen (Pl. 46, fig. 3, pars)—cranidium

Mungerebar-Mindyalla area, lat. 22° 16.5' S, long. 138° 58.5' E (loc. G124).

Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

RHYSSOMETOPUS (RHYSSOMETOPUS) RUGICEPS Öpik, 1967.

Rhyssometopus (Rhyssometopus) rugiceps Öpik, 1967a, p. 283, Pl. 25, figs 5-8

- C.P.C. 5556—Holotype (Pl. 25, fig. 5)—cranidium

- C.P.C. 5557—Figured specimen (Pl. 25, figs 6a, b)—cranidium

- C.P.C. 5558—Figured specimen (Pl. 25, fig. 7)—pygidium

- C.P.C. 5559—Figured specimen (Pl. 25, fig. 8)—pygidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 08' S, long. 139° 15' E (loc. G10). Mungerebar Limestone, Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

RHYSSOMETOPUS (ROSTRIFINIS) ROSTRIFINIS Öpik, 1967.

Rhyssometopus (Rostrifinis) rostrifinis Öpik, 1967a, p. 285, Pl. 27, fig. 9; Pl. 28, figs 1-3; Pl. 29, figs 1-8; Pl. 58, fig. 6, text-figs 98-99

- C.P.C. 5580—Holotype (Pl. 28, fig. 3)—cranidium

- C.P.C. 5579—Figured specimen (Pl. 28, fig. 2)—cranidium

C.P.C. 5581—Figured specimen (Pl. 29, fig. 1, text-fig. 98, pars)—free cheek

C.P.C. 5582—Figured specimen (Pl. 29, fig. 2, text-fig. 99, pars)—free cheek

C.P.C. 5583—Figured specimen (Pl. 29, fig. 3, text-fig. 98, pars)—free cheek

Mungerebar-Mindyalla area, NW Qld, lat. 22° 07'S, long. 139° 12' E (loc. G8). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

C.P.C. 5589—Figured specimen (Pl. 29, fig. 8, text-fig. 98, pars)—pygidium

Mungerebar-Mindyalla area, lat. 22° 12' S, long. 138° 57.5' E (loc. G114). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

C.P.C. 5584—Figured specimen (Pl. 29, fig. 4, text-fig. 99, pars)—cranium

C.P.C. 5585—Figured specimen (Pl. 29, figs 4a, b)—complete specimen

C.P.C. 5586—Figured specimen (Pl. 29, fig. 5)—pygidium

C.P.C. 5587—Figured specimen (Pl. 29, fig. 6)—pygidium

C.P.C. 5588—Figured specimen (Pl. 29, fig. 7)—pygidium

Mungerebar-Mindyalla area, lat. 22° 15' S, long. 139° 00' E (loc. G119). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

C.P.C. 5578—Figured specimen (Pl. 28, figs 1a, b)—cranium

Mungerebar-Mindyalla area, lat. 22° 15' S, long. 139° 03' E (loc. G417). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

C.P.C. 5585—Figured specimen (Pl. 58, fig. 6)—pygidium

Mungerebar-Mindyalla area, lat. 22° 07' S, long. 139° 12' E (loc. G8). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

RHYSSOMETOPUS (ROSTRIFINIS) aff. ROSTRIFINIS Öpik, 1967.

Rhyssometopus (Rostrifinis) aff. rostrifinis Öpik 1967a, p. 291, Pl. 27, fig. 8

C.P.C. 5576—Figured specimen—cranium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 17' S, long. 138° 58.5' E (loc. G125). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

RHYSSOMETOPUS (ROSTRIFINIS) TIRO Öpik, 1967.

Rhyssometopus (Rostrifinis) tiro Öpik, 1967a, p. 289, Pl. 27, figs 4-6, text-fig. 100

C.P.C. 5572—Holotype (Pl. 27, fig. 4, text-fig. 100, pars)—cranium

C.P.C. 5573—Figured specimen (Pl. 27, fig. 5, text-fig. 100, pars)—cranium

C.P.C. 5574—Figured specimen (Pl. 27, fig. 6, text-fig. 100, pars)—cranium

Quita Cr. area, NW Qld, lat. 22° 56' S, long. 139° 03' E (loc. D99). Steamboat Sandstone

Middle Cambrian/Upper Cambrian zone of passage

SARATOGIA? VETUSTA Öpik, 1967.

Saratogia? vetusta Öpik, 1967a, p. 246, Pl. 30, fig. 4, text-fig. 84

C.P.C. 5593—Holotype (Pl. 30, fig. 4, text-fig. 84)—cranium

Glenormiston-Sylvester Cr. area, NW Qld, lat. 22° 57' S, long. 138° 41.5' E (loc. W20). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

SAUKIA? PRISCILLA Öpik, 1967.

Saukia? priscilla Öpik, 1967a, p. 250, Pl. 30, figs 5-7

C.P.C. 5596—Holotype (Pl. 30, fig. 7)—pygidium

Glenormiston-Sylvester Cr. area, NW Qld, lat. 23° 00' S, long. 138° 49' E (loc. W1). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

- C.P.C. 5594—Figured specimen (Pl. 30, fig. 5)—pygidium
 C.P.C. 5595—Figured specimen (Pl. 30, fig. 6)—pygidium
 Selwyn Range area, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

- SOLENOPLEURA? ERISTA** Öpik, 1967.
Solenopleura? erista Öpik, 1967a, p. 187, Pl. 4, figs 1a, b, c, text-fig. 60
 C.P.C. 5380—Holotype (Pl. 4, figs 1a, b, c, text-fig. 60)—cranidium
 Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. W29). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

STEPHANOCARE RICHTHOFENI Monke, 1903; Öpik, 1967.

- Stephanocare richthofeni* Monke, 1903, p. 126, Pl. 7, figs 1-15; Öpik, 1967a, p. 327, Pl. 44, figs 5, 6
 C.P.C. 5708—Figured specimen (Pl. 44, figs 5a-c)—cranidium
 C.P.C. 5709—Figured specimen (Pl. 44, fig. 6)—free cheek
 Mungerebar-Mindyalla area, NW Qld, lat. 22° 13' S, long. 139° 10' E (loc. G153). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

- STEPHANOCARE** sp. nov. Öpik, 1967.
Stephanocare sp. nov. Öpik, 1967a, p. 328, text-fig. 122
 C.P.C. 6737—Figured specimen (text-fig. 122)—cranidium
 Mungerebar-Mindyalla area, NW Qld, lat. 22° 15.5' S, long. 139° 00.5' E (loc. G132). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

STIGMATOA DILOMA Öpik, 1963.

- Stigmatoa diloma* Öpik, 1963, p. 89, Pl. 4, fig. 2, text-fig. 31, 32

C.P.C. 4276—Holotype (Pl. 4, fig. 2)—cranidium

- C.P.C. 4306—Figured specimen (text-fig. 31)—free cheek

- C.P.C. 4301—Figured specimen (text-fig. 32)—cranidium

About 2 km W of track about 26 km S of Glenormiston hstd, NW Qld (loc. W47). Georgina Limestone

Early Upper Cambrian

STIGMATOA SIDONIA Öpik, 1963.

- Stigmatoa sidonia* Öpik, 1963, Pl. 91, Pl. 4, fig. 1, text-fig. 34

- C.P.C. 4272—Holotype (Pl. 4, fig. 1, text-fig. 34)—cranidium

About 8 km E of Pomegranate Bore, NW Qld (loc. D120b). Pomegranate Limestone

Early Upper Cambrian

STIGMATOA SILEX Öpik, 1963.

- Stigmatoa silex* Öpik, 1963, p. 90, Pl. 4, fig. 4, text-fig. 33

- C.P.C. 4278—Holotype (Pl. 4, fig. 4, text-fig. 33)—cranidium

5 km W from O'Hara hstd, NW Qld, lat. 21° 25' S, long. 14° 00' E (loc. D6). About 20 m above local base of O'Hara Siltstone

Early Upper Cambrian

STIGMATOA TYSONI Öpik, 1963.

- Stigmatoa tysoni* Öpik, 1963, p. 92, Pl. 4, fig. 3

- C.P.C. 4277—Holotype (Pl. 4, fig. 3)—cranidium

Near track about 26 m S of Glenormiston hstd, NW Qld (loc. W45). Georgina Limestone

Early Upper Cambrian

TALBOTINELLA NOTULATA Öpik, 1963.

Talbotinella notulata Öpik, 1963, p. 73, Pl. 6, fig. 9, text-figs 23, 24

C.P.C. 4295—Holotype (Pl. 6, fig. 9, text-figs 23, 24)—cranidium

About 8 m SW of Glenormiston hstd, NW Qld (loc. G50). Georgina Limestone

Early Upper Cambrian

TEINISTION? AMYDIUM Öpik, 1967.

Teinistion? amydiium Öpik, 1967a, p. 334, Pl. 44, figs 1, 2, text-fig. 126

C.P.C. 5704—Holotype (Pl. 44, fig. 1, text-fig. 126, pars)—cranidium

Glenormiston-Sylvester Cr. area, NW Qld, lat. 22° 57.5' S, long. 138° 41.5' E (loc. W20). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

C.P.C. 5705—Figured specimen (Pl. 44, fig. 2, text-fig. 126, pars)—cranidium

Glenormiston-Sylvester Cr. area, lat. 22° 51.5' S, long. 138° 43' E (loc. G50). Georgina Limestone, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

TOSOTYCHIA SORS Öpik, 1961.

Tosotychia sors Öpik, 1961b, p. 160, Pl. 15, figs 1-7, text-fig. 50

C.P.C. 3548—Holotype (Pl. 15, fig. 2)—cranidium

C.P.C. 3549—Figured specimen (Pl. 15, fig. 3)—cranidium

C.P.C. 3550—Figured specimen (Pl. 15, fig. 4)—cranidium

C.P.C. 3551—Figured specimen (Pl. 15, figs 7a, b)—thorax

C.P.C. 3552—Figured specimen (Pl. 15, fig. 6)—cheek

Road crossing Boomerang Cr., headwaters of Burke R., Qld, lat. 21° 19.5' S, long. 140° 04' E (loc. D18). Devoncourt Limestone

C.P.C. 3547—Figured specimen (Pl. 15, fig. 1)—cranidium

Fault block at N end of Pilgrim Fault, headwaters of Burke R., Qld, lat. 21° 20' S, long. 139° 57' E (loc. D19B). Roaring Siltstone

Uppermost Middle Cambrian

TOWNLEYELLA TOWNLEYI Öpik, 1967.

Townleyella townleyi Öpik, 1967a, p. 385, Pl. 8, figs 4, 5, text-fig. 147

C.P.C. 5416—Holotype (Pl. 8, fig. 4, text-fig. 147)—cranidium

C.P.C. 5418—Figured specimen (Pl. 8, fig. 5)—cranidium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

TRIADASPIS BIGENERIS Öpik, 1967.

Triadaspis bigeneris Öpik, 1967a, p. 125, Pl. 54, fig. 6, text-fig. 34

C.P.C. 5804—Holotype (Pl. 54 not Pl. 56 as in text, p. 125), fig 6, text-fig. 34

Mungerebar-Mindyalla area, NW Qld, lat. 22° 09' S, long. 139° 11' E (loc. G417). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

TRICREPICEPHALUS? sp. Öpik, 1967.

Tricrepicephalus? sp., Öpik, 1967a, p. 195, Pl. 5, fig. 9, text-fig. 65

C.P.C. 5399—Figured specimen (Pl. 5, fig. 9, text-fig. 65)—pygidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 15.5' S, long. 139° 01' E (loc. G131). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

TRILOBITE sp. C, Öpik, 1963.

Trilobite sp. C, Öpik, 1963, p. 100, Pl. 5, fig. B, text-fig. 38

C.P.C. 4281—Figured specimen—pygidium
About 8 km E of Pomegranate Bore, NW
Qld (loc. D120b). Pomegranate Lime-
stone

Early Upper Cambrian

XESTAGNOSTUS LEGIRUPA Öpik,
1967.

Xestagnostus legirupa Öpik, 1967a, p. 163,
Pl. 64, figs 1-5; Pl. 65, figs 1-3, text-fig.
49

C.P.C. 5922—Holotype (Pl. 64, fig. 1, text-
fig. 49, pars)—pygidium

C.P.C. 5923—Figured specimen (Pl. 64,
figs 2a, b, text-fig. 49, pars)—pygidium

C.P.C. 5924—Figured specimen (Pl. 64,
fig. 3)—cephalon

C.P.C. 5925—Figured specimen (Pl. 64, fig.
4, text-fig. 49, pars)—cephalon

C.P.C. 5926—Figured specimen (Pl. 64,
fig. 5, text-fig. 49, pars)—cephalon

C.P.C. 5927—Figured specimen (Pl. 65, fig.
1)—cephalon

C.P.C. 5928—Figured specimen (Pl. 65,
fig. 2)—pygidium

C.P.C. 5929—Figured specimen (Pl. 65,
fig. 3)—cephalon

Glenormiston-Sylvester Cr. area, NW Qld,
lat. 22° 51' S, long. 138° 43' E (loc.
G50). Georgina Limestone, Mindyallan
Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

XESTAGNOSTUS aff. **LEGIRUPA** Öpik,
1967.

Xestagnostus aff. *legirupa* Öpik, 1967a, p.
165, Pl. 65, fig. 8

C.P.C. 5934—Figured specimen (Pl. 65,
fig. 8)—cephalon

Glenormiston-Sylvester Cr. area NW Qld,
lat. 22° 51.5' S, long. 138° 43' E (loc.
G50). Georgina Limestone, Mindyallan
Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

XESTAGNOSTUS RASILIS Öpik, 1967.

Xestagnostus rasilis Öpik, 1967a, p. 165,
Pl. 65, figs 4-6

C.P.C. 5932—Holotype (Pl. 65, fig. 6)—
pygidium

C.P.C. 5930—Figured specimen (Pl. 65, figs
4a, b)—cephalon

C.P.C. 5931—Figured specimen (Pl. 65, fig.
5)—cephalon

Mungerebar-Mindyalla area, NW Qld,
lat. 22° 08' S, long. 139° 15' E (loc.
G10). Mungerebar Limestone, Mindy-
allan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

XESTAGNOSTUS cf. **RASILIS** Öpik,
1967.

Xestagnostus cf. *rasilis* Öpik, 1967a, p. 166,
Pl. 65, fig. 7

C.P.X. 5933—Figured specimen (Pl. 65,
fig. 7)—pygidium

Mungerebar-Mindyalla area, NW Qld, lat.
22° 08' S, long. 139° 15' E (loc. G10).
Mungerebar Limestone, Mindyallan Zone
of *Cyclagnostus quasivespa*

Early Upper Cambrian

Trilobita Incertae Sedis

LARVA gen. indet. et sp. indet. Öpik,
1967.

Larva gen. indet. et sp. indet., Öpik, 1967a,
p. 387, Pl. 36, figs 9-12

C.P.C. 5638—Figured specimen (Pl. 36,
fig. 9)—cephalon

C.P.C. 5639—Figured specimen (Pl. 36,
fig. 10)—complete shield

C.P.C. 5640—Figured specimen (Pl. 36,
fig. 11)—complete shield

C.P.C. 5641—Figured specimen (Pl. 36,
fig. 12)—cephalon

Glenormiston-Sylvester Cr. area, NW Qld,
lat. 22° 59' S, long. 138° 43' E (loc.
G48). Georgina Limestone, Mindyallan
Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

UNIDENTIFIED FREE CHEEKS

FREE CHEEK No. 1, Öpik, 1967.

Free cheek No. 1, Öpik, 1967a, p. 388, Pl. 51, fig. 12

C.P.C. 5774—Figured specimen (Pl. 51, fig. 12)—free cheek

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale (lower chert bed), Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

FREE CHEEK No. 2, Öpik, 1967.

Free cheek No. 2, Öpik, 1967a, p. 388, Pl. 51, fig. 11

C.P.C. 5773—Figured specimen (Pl. 51, fig. 11)—free cheek

Mungerebar-Mindyalla area, NW Qld, lat. 22° 16.5' S, long. 138° 58.5' E (loc. 124). Mungerebar Limestone, Mindyallan Zone of *Cyclagnostus quasivespa*

Early Upper Cambrian

UNIDENTIFIED PYGIDIA

PYGIDIUM No. 1, Öpik, 1967.

Pygidium No. 1 Öpik, 1967a, p. 388, Pl. 51, figs 5, 6

C.P.C. 5767—Figured specimen (Pl. 51, fig. 5)—pygidium

C.P.C. 5768—Figured specimen (Pl. 51, fig. 6)—pygidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 15' S, long. 139° 00' E (loc. G119). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

PYGIDIUM No. 2, Öpik, 1967.

Pygidium No. 2 Öpik, 1967a, p. 389, Pl. 51, fig. 7

C.P.C. 5769—Figured specimen (Pl. 51, fig. 7)—pygidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 13' S, long. 139° 01' E (loc. G429). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

Early Upper Cambrian

PYGIDIUM No. 3, Öpik, 1967.

Pygidium No. 3 Öpik, 1967a, p. 389, Pl. 51, fig. 9

C.P.C. 5771—Figured specimen (Pl. 51, fig. 9)—pygidium

Mungerebar-Mindyalla area, NW Qld, lat. 22° 14' S, long. 138° 59' E (loc. G118). Mungerebar Limestone, Mindyallan Zone of *Erediaspis eretes*

PYGIDIUM and THORAX No 4, Öpik, 1967.

Pygidium and *Thorax* No. 4 Öpik, 1967a, p. 389, Pl. 51, fig. 13

C.P.C. 5775—Figured specimen (Pl. 51, fig. 13)—pygidium and thorax

A piece of chert derived from O'Hara Shale, in Bronzewing Cr., Duchess area, NW Qld (loc. D116). Mindyallan? or Idamean?

Early Upper Cambrian

PYGIDIUM No. 5, Öpik, 1967.

Pygidium No. 5 Öpik, 1967a, p. 390, Pl. 51, fig. 8

C.P.C. 5770—Figured specimen (Pl. 51, fig. 8)—pygidium

Selwyn Range area, NW Qld, lat. 21° 26' S, long. 139° 59.5' E (loc. D29). O'Hara Shale, Mindyallan Zone of *Glyptagnostus stolidotus*

Early Upper Cambrian

BRACHIOPODA

ACROTHELE sp. A Öpik, 1961.

Acrothele sp. A Öpik 1961b, p. 51, Pl. 1, fig. 5

C.P.C. 3647—Figured specimen

Road crossing Boomerang Cr., headwaters of Burke R., NW Qld, lat. 21° 19' 5" S, long. 140° 04'E (loc. D18). Devon-court Limestone

Middle Cambrian

ATTENUATELLA sp. cf. **INCURVATA** Waterhouse, 1964; Armstrong, 1968.

Attenuatella sp. cf. *incurvata* Waterhouse, 1964; Armstrong, 1968, p. 791, Pl. 142, figs 13-18

C.P.C. 9018 (fig. 13); C.P.C. 9019 (fig. 14); C.P.C. 9020 (fig. 15); C.P.C. 9021 (fig. 16); C.P.C. 9022 (fig. 17); C.P.C. 9023 (fig. 18)—Figured specimens

4.3 km NNW of the Cracow/Theodore road crossing of Delusion Cr., 16 km NW of Cracow, Central Qld (loc. T111)

Upper Permian

ATTENUATELLA sp. Armstrong, 1968.

Attenuatella sp. Armstrong, 1968, p. 79, Pl. 142, figs 24-26

C.P.C. 9028—Figured specimen (Pl. 142, fig. 24)

3 km WNW of Bundaleer hstd, 60 km N of Bluff, central Qld (loc. DU764)

Upper Permian

ATTENUATELLA sp. A Armstrong 1968.

Attenuatella sp. A Armstrong, 1968, p. 790, Pl. 142, figs 20-23

C.P.C. 9024 (fig. 22); C.P.C. 9025 (fig. 23); C.P.C. 9026 (fig. 21)—Figured specimens

1.5 km S of Bundaleer hstd, 60 km N of Bluff, central Qld (loc. DU151)

C.P.C. 9027—Figured specimen (Pl. 142, fig. 20)

4.3 km NNW of Cracow-Theodore road crossing of Delusion Cr., 16 km NW of Cracow, Central Qld (loc. T111)

Upper Permian

COELOSPIRA sp. nov. Talent, 1967.

Coelospira sp. nov. Talent, 1967, d. 24, Pl. DXII, fig. 6

C.P.C. 7528—Figured specimen (fig. 6)—external ventral valve

In Mary Cr., 13 km NNE of Mt Wyatt, Ukalunda district, Bowen area, Qld (loc. B76). Ukalunda Beds

Middle Devonian

CYMOSTROPHIA cf. **BELLARUGOSA** Talent, 1967.

Cymostrophia cf. *bellarugosa* Talent, 1967, d. 24, Pl. DXII, figs 1, 2.

C.P.C. 7534—Figured specimen (fig. 1)—external mould of dorsal valve

3 km slightly N of W of Hidden Valley hstd. Ukalunda district, Bowen area, Qld (loc. B84), Ukalunda Beds

C.P.C. 7624—Figured specimen (fig. 2)—Internal mould of ventral valve

In Mary Cr., 13 km NNE of Mt Wyatt, Ukalunda district (loc. B76). Ukalunda Beds

Lower Devonian

DESQUAMATIA (SYNATRYPA) sp. nov. Talent, 1967.

Desquamatia (Synatrypa) sp. nov. Talent, 1967, d. 24, Pl. DXII, fig. 5

C.P.C. 7527—Figured specimen (fig. 5)—external, ventral valve

3 km slightly NW of Hidden Valley hstd, Ukalunda district, Bowen area, Qld (loc. B84). Ukalunda Beds

Middle Devonian

ELYTHINA sp. nov. Talent, 1967.

Elythina sp. nov. Talent, 1967, d. 24, Pl. DXII, fig. 11

C.P.C. 7533—Figured specimen (fig. 11)
—lateral view of bivalved specimen

3 km slightly NW of Hidden Valley hstd,
Ukalunda district, Bowen area, Qld (loc.
B84). Ukalunda Beds

Devonian

FLETCHERITHYRIS FARLEYENSIS
FABA Campbell, 1965.

Fletcherithyris farleyensis faba Campbell,
1965, p. 34, Pl. 2, figs 45-59, text-fig. 11

C.P.C. 5319—Holotype of subspecies (figs
58-59)—internal mould, platex cast of
brachial valve

C.P.C. 5313-5318, 5320-5324—unfigured
paratypes

2.5 km SE of Lizzie Cr. road crossing of
Hazelwood Cr., Bowen Basin, Qld (loc.
MC485). Tiverton Subgroup

Permian

FLETCHERITHYRIS HARDMANI
Campbell, 1965.

Fletcherithyris hardmani Campbell, 1965,
p. 45, Pl. 9, figs 22-32; Pl. 16, figs 8-9

C.P.C. 5329—Holotype (Pl. 16, fig. 8; Pl.
9, figs 9-23)

C.P.C. 5329—Holotype (Pl. 16, fig. 8; Pl.
9, figs 9-23)

C.P.C. 5330—Paratype A (Pl. 9, figs 24-
26)

C.P.C. 5331—Paratype B (Pl. 9, figs 27,
29, 30)

C.P.C. 5331b—Paratype C (Pl. 9, fig. 28)

C.P.C. 5332—Paratype D (Pl. 9, figs 31-
32)

C.P.C. 5974—Figured specimen (Pl. 16,
fig. 9)

S slope of Mt Hardman, Fitzroy Basin,
W.A. (loc. KL11). About 39 m below
top of Hardman Member, Liveringa For-
mation

Permian

FLETCHERITHYRIS cf. **HARDMANI**
Campbell, 1965.

Fletcherithyris cf. *hardmani* Campbell,
1965, p. 47, Pl. 16, figs 2-6

C.P.C. 5353 (fig. 6); C.P.C. 5354 (fig. 5);
C.P.C. 5355 (figs 2-4)—Figured specimen

3 km at 255° from Brutens Old Yard,
Cherabun station, Fitzroy Basin, W.A.
(loc. PR288). Noonkanbah Formation

C.P.C. 5350—not figured

Locality as above (loc. KNF86). Noonkan-
bah Formation

Permian

GILLEDIA CULBURRENSIS Campbell,
1965.

Gilledia culburrensis Campbell, 1965, p.
89, Pl. 3, figs 7-21; Pl. 17, figs 3-5, text-
figs 35-39

C.P.C. 5337—Holotype (Pl. 3, figs 16-19)

C.P.C. 5336—Paratype A (Pl. 3, figs 7, 8)

C.P.C. 5342—Paratype B (Pl. 3, fig. 9,
text-fig. 35)

C.P.C. 5338-5341—Unfigured paratypes

Culburra Headland (Wheeler's Point) E of
Nowra, N.S.W. ? Nowra Sandstone

Permian

GILLEDIA HOMEVALENSIS Campbell,
1965.

Gilledia homevalensis Campbell, 1965, p.
74, Pl. 1, figs 1-27; Pl. 9, figs 33-41, text-
figs 27-29

C.P.C. 5257—Figured specimen (Pl. 1, figs
22-24)

2.5 km SE of Lizzie Cr. road crossing of
Homevale Cr., Bowen Basin, Qld, Tiver-
ton Subgroup

Permian

GILLEDIA cf. **HOMEVALENSIS**
Campbell, 1965.

Gilledia cf. *homevalensis* Campbell, p. 79,
Pl. 9, figs 33-35, 39-41

C.P.C. 5304—Figured specimen (Pl. 9,
fig. 35); C.P.C. 5305—Figured specimen
(Pl. 9, figs 39-41)

9.2 km at 27° from Walbarune Peak, Carnarvon Basin, W.A. (loc. G317). Upper Cundlego Formation

C.P.C. 5306—Figured specimen (Pl. 9, fig. 33)

3 km SW of Boolirdi Well, Jimba Jimba, Carnarvon Basin (loc. GW55). Coyrie Formation

C.P.C. 5307—Figured specimen (Pl. 9, fig. 34)

1 km N of loc. GW55, Jimba Jimba, Carnarvon Basin (loc. GW48). Coyrie Formation

Permian

GILLEDIA PELICANENSIS Campbell, 1965.

Gilledia pelicanensis Campbell, 1965, p. 87, Pl. 5, figs 5-9; Pl. 15, figs 5-7

C.P.C. 5299—?Paratype (Pl. 15, figs 5-7)

5 m below the *Gilledia pelicanensis* Bed, in Corduroy Cr., 2 km S of railway viaduct, near Collinsville, Qld, Gebbie Subgroup

Permian

HEMIPTYCHINA ? sp. Campbell, 1965.

Hemiptychina ? sp., Campbell, 1965, p. 104, Pl. 16, fig. 1

C.P.C. 5969—Figured specimen (Pl. 16, fig. 1)

3.5 km at 288° from Brutens Old Yard, Fitzroy Basin, W.A. (loc. KNF73). 227 m above base of Noonkanbah Formation

Permian

HOSKINGIA GRANDIS Campbell, 1965.

Hoskingia grandis Campbell, 1965, p. 67, Pl. 8, fig. 43 (omitted in text, p. 67); Pl. 10, figs 16-21; Pl. 11, figs 1-5

C.P.C. 5265—Holotype (Pl. 11, figs 3, 4)

C.P.C. 5266—Paratype (Pl. 11, figs 1, 2)

C.P.C. 5267-5271—Unfigured paratypes

7.9 m at 339° from Moffatts Bore, Nerrima Station, Fitzroy Basin, W.A. (loc. KCL40). 90 m below top of Hardman Member, Liveringa Formation

C.P.C. 5274—Figured specimen (Pl. 10, fig. 16) (not mentioned in text)

C.P.C. 5275—Figured specimen (Pl. 8, fig. 43)

About 400 m at 120° from Mt Cedric, Fitzroy Basin (loc. KCL14). Hardman Member, Liveringa Formation

C.P.C. 5286—Figured specimen (Pl. 10, figs 20, 21)

Locality uncertain, possible Cal Springs, Fitzroy Basin, W.A. (loc. CAL2). Upper Liveringa Formation

C.P.C. 5291a—Figured specimen (Pl. 10, figs 17-19)

Locality uncertain, possible near Mt Hardman, Fitzroy Basin (loc. H3). Upper Liveringa Formation

C.P.C. 5294—Figured specimen (Pl. 11, fig. 5)

About 300 m W of Mt Hardman, windmill on S side of hill, Fitzroy Basin. Hardman Member, Liveringa Formation

Permian

HOSKINGIA cf. **KENNEDIENSIS** Campbell, 1965.

Hoskingia cf. *kennediensis* Campbell, 1965, p. 65, Pl. 12, figs 1-3, text-fig. 26

C.P.C. 5241—Unfigured specimen

300 m W of Cundlego Crossing, S bank of Minilya R. (loc. MG176). Cundlego Formation

Permian

HOSKINGIA TRIGONOPSIS (Hosking, 1933); Campbell, 1965.

Dielasma trigonopsis Hosking, 1933, p. 44, Pl. 3, figs 1a-c; Pl. 4, figs 1a-b, 2

Hoskingia trigonopsis (Hosking); Campbell, 1965, p. 55, Pl. 13, figs 1-8; Pl. 12, fig. 14, text-figs 20-22

C.P.C. 5245 (Pl. 13, fig. 8); C.P.C. 5247 (Pl. 13, figs 5, 9; text-figs 20-22); C.P.C. 5260 (Pl. 13, fig. 6)—Figured specimens

C.P.C. 5246, 5248, 5249—Unfigured specimens

3.8 m at 46° from Keogh Hill, Wooramel R. district, Carnarvon Basin, W.A. (loc. WB81). Madeline Formation

C.P.C. 5252—Figured specimens (text-fig. 21)

C.P.C. 5254—Unfigured specimen

Wooramel R. district, Carnarvon Basin (Oil Search loc. 7). Byro Limestone, Madeline Formation

C.P.C. 5258a—Figured specimen (Pl. 12, fig. 14)

4 km at 102° from Mt Madeline, Wooramel R. district, Carnarvon Basin (loc. WB135). Madeline Formation

C.P.C. 5255, 5256—Unfigured specimens

5.5 km at 248° from Bogadi outcamp (loc. WB76). Madeline Formation

C.P.C. 5251, 5259, 5260—Unfigured specimens

Locality unknown, Wooramel R. district. Byro Limestone (Madeline Formation)

C.P.C. 5261—Unfigured specimens (10)

9.5 km at 323° from Bogadi outcamp (loc. WB78). Bogadi Greywacke

Permian

HOSKINGIA WANDAGEENSIS Campbell, 1965.

Hoskingia wandageensis Campbell, 1965, p. 61, Pl. 10, figs 1-15; Pl. 12, figs 5-7, text-figs 23-25

C.P.C. 5189—Paratype (Pl. 10, figs 13, 14)

C.P.C. 5190—Paratype (Pl. 10, fig. 5)

C.P.C. 5192—Paratype (Pl. 10, figs 1-4)

C.P.C. 5191, 5193, 5207—Unfigured paratypes

S bank of Minilya R., 14 km W of Wandagee hstd, and 2 km SW of Coolkilya Pool, Carnarvon Basin, W.A. (loc. M244). Wandagee Formation

C.P.C. 5214—Paratype (Pl. 10, figs 9-12)

Coolkilya Syncline, Carnarvon Basin (loc. CC98). Wandagee Formation

C.P.C. 5217—Figured specimen (Pl. 12, figs 5-7)

Wandagee Station, Carnarvon Basin, Wandagee Formation

C.P.C. 5210-2—Unfigured specimens

Coolkilya Pool, N bank of Minilya R. (loc. CC87), 67 m above base of type sections of Wandagee Formation

C.P.C. 5213—Unfigured specimens (2)

2.5 km SW of Coolkilya Pool, N bank of Minilya R. (loc. ML82). Wandagee Formation

C.P.C. 5216—Unfigured specimen

Minilya Syncline (loc. ML59). 47-50 m above base of Wandagee Formation

C.P.C. 5215—Unfigured specimen

13.5 km at 82° from Mia Mia hstd, N bank of Lyndon R. (loc. ML87). ?Coyrie Formation

HOSKINGIA cf. **WANDAGEENSIS** Campbell, 1965.

C.P.C. 5208, C.P.C. 5209—Unfigured specimens

13 km at 120° from Mt Anderson hstd, Fitzroy Basin (loc. KNA36). 567 m above base of Noonkanbah Formation

C.P.C. 5349—Unfigured specimens (2)

Lat. 24° 12' 51" S, long. 114° 40' 27" E (loc. G24). ?Wandagee Formation or Nalbia Greywacke

Permian

HOWELLELLA sp. nov. Talent, 1967.

Howellella sp. nov. Talent, 1967, d. 24, Pl. DXII, fig. 9

C.P.C. 7531—Figured specimen (fig. 9)—incomplete external mould

In Mary Cr., 13 km NNE of Mt Wyatt, Ukalunda district, Bowen area, Qld (loc. B76). Ukalunda Beds

Devonian

HYPSOMYONIA sp. nov. Talent, 1967.

Hypsomyonia sp. nov. Talent, 1967, d. 24, Pl. DXII, fig. 10

C.P.C. 7532—Figured specimen (fig. 10)—internal mould of dorsal valve

3 km slightly N of W of Hidden Valley hstd, Ukalunda district, Bowen area, Qld (loc. B76). Ukalunda Beds

Devonian

'LINGULA' sp. 1 Dickins & McTavish, 1963.

'*Lingula*' sp. 1 Dickins & McTavish, 1963, p. 128, Pl. 1, fig. 1

C.P.C. 4669—Figured specimen (Pl. 1, fig. 1)

C.P.C. 4670—Measured specimen

Beagle Ridge (BMR 10) Bore, Perth Basin, W.A., core 22, at 2131-2141 ft. Kockatea Shale

Lower Triassic

MAORIELASMA CALLOSUM Campbell, 1965.

Maorielasma callosum Campbell, 1965, p. 96, Pl. 4, figs 20-25; Pl. 14, figs 1-8

C.P.C. 5941—Holotype (Pl. 14, fig. 6)

C.P.C. 5942—Paratype (Pl. 14, figs 1, 3, 4)

C.P.C. 5944—Paratype (Pl. 14, fig. 5)

C.P.C. 5945—Paratype (Pl. 14, fig. 2)

C.P.C. 5943; C.P.C. 5946—Unfigured paratypes

11.6 km at 287° from Springwood hstd, in Sandy Cr., Qld (loc. SP115). Ingelara Shale

C.P.C. 5975—Unfigured specimens

Baralaba-Rannes rd, 8 km E of Baralaba (loc. BA806). Flat Top Formation

C.P.C. 5348—Unfigured specimen

In Cr. 100 m W of Banana-Baralaba rd, 16 m NNW of Banana-Barfield formation

Permian

MAORIELASMA GLOBOSUM Campbell, 1965.

Maorielasma globosum Campbell, 1965, p. 97, Pl. 4, figs 1-19, 26-28; Pl. 14, figs 9-16, text-fig. 40

C.P.C. 5951—Paratype (Pl. 14, fig. 9)

C.P.C. 5952—Paratype (Pl. 14, fig. 16)

C.P.C. 5953-5960—Unfigured paratypes

7.2 km SW of Wealwandagie hstd, Springsure, Qld (loc. SP391). Mantuan Formation

C.P.C. 5963—Paratype (Pl. 14, fig. 12)

C.P.C. 5962—Unfigured paratype

Tanderra (Nardoo), 3 km S of Station hstd, Qld (loc. SP649)

C.P.C. 5965—Unfigured specimen

2.5 km NW of Consuelo hstd, Serocold Anticline, Qld (loc. SP435). Mantuan Formation

Permian

MARINURNULA MANTUANENSIS Campbell, 1965.

Marinurnula mantuanensis Campbell, 1965, p. 102, Pl. 5, figs 10-14; Pl. 16 (not 14 as in text), figs 20-21, text-fig. 4

C.P.C. 5948—Figured specimen (Pl. 16, fig. 20) (specimen label says 'paratype')

In Sandy Cr., 11.5 km at 277° from 'Springwood', Springsure area, Qld (loc. SP115). Mantuan Formation

C.P.C. 5964a—Paratype (Pl. 16, fig. 21)

C.P.C. 5946b, 5946c—Unfigured paratypes W flank of Reid's Dome, 2.2 km at 312° from Mt Serocold, Springsure area, Qld. Mantuan Formation

C.P.C. 5359—Unfigured specimen

Lonesome Cr. rd, 12.2 km from Theodore, Qld. Barfield or Flat Top Formation

C.P.C. 5966—Unfigured specimen

7.2 km NNW of Croydon Hills hstd, Springsure area, Qld (loc. SP393/3). Lower Catherine Sandstone

Permian

MICROMITRA (PATERINA) sp. B Öpik, 1961.

Micromitra (Paterina) sp. B Öpik, 1961b, p. 51, Pl. 1, figs 3, 4

C.P.C. 3644—Figured specimen (fig. 3)

Road crossing Boomerang Cr., headwaters of Burke R., NW Qld, lat. 21° 19' 55" S, long. 140° 04' E (loc. D18). Devoncourt Limestone

C.P.C. 3645—Figured specimen (fig. 4)

Boundary Hill, headwaters of Burke R., NW Qld, lat. 21° 23' S, long. 139° 58' E (loc. D26). Devoncourt Limestone

Middle Cambrian

NADIASTROPHIA sp. nov. Talent, 1967.

Nadiastrophia sp. nov. Talent, 1967, d. 24, Pl. DXII, figs 3, 4

C.P.C. 7525—Figured specimen (fig. 3)—internal of ventral valve

C.P.C. 7526—Figured specimen (fig. 4)—external mould of ventral valve

1.5 km WNW of the Pyramid, Ukalunda district, Bowen area, Qld (loc. B220). Ukalunda Beds

Devonian

PARAPUGNAX sp. nov. Talent, 1967.

Parapugnax sp. nov. Talent, 1967, d. 24, Pl. DXII, fig. 8

C.P.C. 7530—Figured specimen (fig. 8)—external of ventral valve

3 km N of W of Hidden Valley hstd, Ukalunda district, Bowen area, Qld (loc. B84). Ukalunda Beds

Devonian

?PSEUDODIELASMA sp. Campbell, 1965.

?Pseudodielasma sp. Campbell, 1965, p. 106, Pl. 16, figs 10-14.

C.P.C. 5301—Figured specimen (Pl. 16, figs 13-14)

Lonsome Cr. rd, 12.2 km from Theodore Post Office, Qld. Flat Top Formation

C.P.C. 5300—Figured specimen (Pl. 16, figs 10-12)

Beds associated with Big *Strophalosia* Zone, midway between Mt Lebanon and Logan Downs hstd, Clermont area, Qld (loc. CL142)

Permian

QUADRITHYRINA sp. nov. Talent, 1967.

Quadrithyrina sp. nov. Talent, 1967, d. 24, Pl. DXII, fig. 7

C.P.C. 7529—Figured specimen (fig. 7)—external of ventral valve

3 km slightly N of W of Hidden Valley hstd, Ukalunda district, Bowen area, Qld (loc. B84). Ukalunda Beds

Devonian

YOCHELSONIA STEHLII Campbell, 1965.

Yochelsonia stehlii Campbell, 1965, p. 51, Pl. 10, figs 22-26

C.P.C. 5228—Holotype (Pl. 10, figs 25, 26)

C.P.C. 5229—Paratype (Pl. 10, figs 22, 23)

C.P.C. 5236—Paratype (Pl. 10, fig. 24)

C.P.C. 5230-5235, C.P.C. 5237-5240—Unfigured paratypes

4.2 km at 070° from Shore Range trig. point, Fitzroy Basin, W.A. (loc. KLD64). Lightjack Member, Liveringa Formation

Permian

YOCHELSONIA THOMASI Stehli, 1961; Campbell, 1965.

Yochelsonia thomasi Stehli, 1961, p. 454, Pl. 61, figs 17, 18, 23-25; Campbell, 1965, p. 49, Pl. 9, figs 5-21—text-fig 18

C.P.C. 5219 (Pl. 9, figs 19-21); C.P.C. 5220 (text-fig. 18); C.P.C. 5223 (Pl. 9, figs 8-11)

C.P.C. 5224 (Pl. 9, figs 6-7)—Figured specimens

C.P.C. 5221, 5222, 5225—Unfigured specimens

S bank Minilya R., 14 km W of Wandagee hstd, and 2.2 km SW of Coolkilya Pool, Carnarvon Basin, W.A. (loc. ML44). Lower Wandagee Formation

C.P.C. 5227—Figured specimen (Pl. 9, figs 12-14)

C.P.C. 5226—Unfigured specimens

6.5 km due W from Chestnut Bore, Christmas Cr. station, Fitzroy Basin, W.A. (loc. PR284A). Near top of Noonkanbah Formation

Permian

COELENTERATA

Anthozoa

- CYPHASTREA MINIMA** Pulley, 1959. C.P.C. 2286—Figured specimen A (fig. 5a, left)
Cyphastrea minima Pulley, 1959, p. 114, Pl. 1, figs 1-4 C.P.C. 2287—Figured specimen B (fig. 5b, right)
C.P.C. 2281—Holotype (figs 1, 2) 800 m NE of Merlinleigh hstd, 500 m S of an old abandoned well, Carnarvon Basin, W.A., Merlinleigh Sandstone
C.P.C. 2282—Paratype A (fig. 4)
C.P.C. 2285—Paratype B (fig. 7)
C.P.C. 2283; C.P.C. 2284—Unfigured paratypes
800 m NE of Merlinleigh hstd, 500 m S of an old abandoned well, Carnarvon Basin, W.A., Merlinleigh Sandstone
Middle to upper Eocene
- DUNCANOPSAMMIA AXIFUGA** (Milne-Edwards & Haime, 1848); Pulley, 1959. ?**DUNCANOPSAMMIA** sp. nov. Pulley, 1959.
Dendrophyllia axifuga Milne-Edwards & Haime, 1848, p. 101, Pl. 1 ?*Duncanopsammia* sp. nov. Pulley, 1959, p. 115, Pl. 1, figs 6a, b
Duncanopsammia axifuga (Milne-Edwards & Haime); Pulley, 1959, p. 115, Pl. 1, fig. 5 C.P.C. 2288—Figured specimen
Mesa 1.5 km of Merlinleigh hstd, Carnarvon Basin, W.A., Merlinleigh Sandstone
Middle to upper Eocene

Hydrozoa

- HYDROIDA** gen. et sp. indet., Öpik, 1963. **MILLEPORA** sp., Pulley, 1959.
Hydroida gen. et sp. nov. Öpik, 1963, p. 101, Pl. 7, fig. 3, text-fig. 40 *Millepora* sp., Pulley, 1959, p. 113, Pl. 1, fig. 7
C.P.C. 4298—Figured specimen C.P.C. 2280—Figured specimen
About 8 mm E of Duchess area, NW Old 800 m NE of Merlinleigh hstd, 500 m S of an old abandoned well, Carnarvon Basin, WA., Merlinleigh Sandstone
(loc. D120a). Pomegranate Limestone
Early Upper Cambrian ?**Upper to middle Eocene**

CONODONTS

ANCYRODELLA CURVATA (Branson & Mehl, 1934); Glenister & Klapper, 1966.

Ancyrognathus curvata Branson & Mehl, 1934, p. 241, Pl. 19, figs 6, 11

Ancyrodella curvata (Branson & Mehl); Glenister & Klapper, 1966, p. 798, Pl. 86, figs 13-15

C.P.C. 6098—Figured specimen (figs 13-15)

SE Bugle Gap, Canning Basin, W.A. (WAPET loc. B, 66-88 ft in section, BMR loc. RS194 near RS190). Virgin Hills Formation, lower portion, but exact relative position unknown

Upper Devonian

ANCYRODELLA NODOSA Ulrich & Bassler, 1926; Glenister & Klapper, 1966.

Ancyrodella nodosa Ulrich & Bassler, 1926, p. 48, Pl. 1, figs 10-13; Glenister & Klapper, 1966, p. 798, Pl. 86, figs 5-12

C.P.C. 6088—Figured specimen (Pl. 86, figs 7, 8)

SE Bugle Gap, Canning Basin, W.A. (loc. RS190 near WAPET loc. B). Virgin Hills Formation, basal unit, exact relative stratigraphic position unknown

C.P.C. 6089—Figured specimen (figs 11, 12)

SE Bugle Gap, Canning Basin (loc. K149, general vicinity of WAPET B). Basal unit of Virgin Hills Formation, exact relative stratigraphic position unknown

Upper Devonian

ANCYROGNATHUS PRINCEPS (Miller & Youngquist, 1947); Glenister & Klapper, 1966.

Ancyroides princeps Miller & Youngquist, 1947, p. 505, Pl. 75, fig. 3

Ancyrognathus princeps (Miller & Youngquist); Glenister & Klapper, 1966, p. 801, Pl. 87, figs 6, 7

C.P.C. 6092—Figured specimen (Pl. 87, figs 6, 7)

SE Bugle Gap, Canning Basin, W.A. (loc. RS190 near WAPET B section). Virgin Hills Formation, basal unit, exact relative stratigraphic position unknown

Upper Devonian

ANCYROGNATHUS ASYMMETRICUS (Ulrich & Bassler, 1926); Glenister & Klapper, 1966.

Palmatolepis asymmetrica Ulrich & Bassler, 1926, p. 50, Pl. 7, fig. 18

Ancyrognathus asymmetricus (Ulrich & Bassler), Glenister & Klapper, 1966, p. 801, Pl. 87, figs 1-3

C.P.C. 6091—Figured specimen (Pl. 87, figs 1-3) Specimen destroyed

SE Bugle Gap, Canning Basin, W.A. (loc. RS190, near WAPET B section). Virgin Hills Formation, basal unit, exact relative stratigraphic position unknown

Upper Devonian

ANCYROGNATHUS TRIANGULARIS Youngquist, 1945; Glenister & Klapper, 1966.

Ancyrognathus triangularis Youngquist, 1945, p. 356, Pl. 54, fig. 7; Glenister & Klapper, 1966, p. 802, Pl. 87, figs 10-13

C.P.C. 6093—Figured specimen (figs 12, 13)

SE Bugle Gap, Canning Basin, W.A. (loc. K149, general vicinity of WAPET B section). Virgin Hills Formation, basal unit, exact relative stratigraphic position unknown

Upper Devonian

GNAMPTOGNATHUS? LIPPERTI (Bischoff, 1956); Glenister & Klapper, 1966.

Apatognathus lipperti Bischoff, 1956, p. 121, Pl. 9, figs 27, 31

Gnamptognathus? lipperti (Bischoff); Glenister & Klapper, 1966, p. 803, Pl. 96, figs 10-12

C.P.C. 6107—Figured specimen (fig. 10)—
Specimen destroyed

SE Bugle Gap, Canning Basin, W.A. (loc.
RS190 near WAPET B section). Virgin
Hills Formation, basal unit, exact relative
stratigraphic position unknown

Upper Devonian

GNATHODUS TEXANUS Roundy, 1926;
Jones & Druce, 1966; Druce, 1969.

Gnathodus texanus Roundy, 1926, p. 12,
Pl. 2, figs 7a, b, 8a, b; Jones & Druce,
1966, p. 358, fig. 3 (4); Druce, 1969,
p. 63, Pl. 7, fig. 3

C.P.C. 7862—Figured specimen

Utting Gap, Bonaparte Gulf Basin, W.A.
(loc. 108/1 of Veevers & Roberts, 1968,
fig. 63)

Lower Carboniferous

PALMATOLEPIS HELMSI Ziegler, 1962;
Glenister & Klapper, 1966.

Palmatolepis helmsi Ziegler, 1962a, p. 60,
Pl. 8, figs 16, 17; Glenister & Klapper,
1966, p. 815, Pl. 93, figs 7-10

C.P.C. 6102—Figured specimen (Pl. 93,
fig. 7)

C.P.C. 6103—Figured specimen (fig 9, 10)

Old Bohemia area about 8 km SW of Old
Bohemia hstd, Canning Basin, W.A. (loc.
K177). Virgin Hills Formation, middle
portion, exact relative stratigraphic posi-
tion unknown

Upper Devonian

**PALMATOLEPIS GLABRA PECTI-
NATA** Ziegler, 1962; Glenister &
Klapper, 1966; Jones & Druce, 1966;
Druce, 1969.

Palmatolepis glabra pectinata Ziegler, 1960
[preprint]; Ziegler, 1962a, p. 59, Pl. 4,
fig. 16, Pl. 5, figs 3-5; Glenister &
Klapper, 1966, p. 814, Pl. 89, figs 1-3,
5, 9, 10; Pl. 90, figs 4, 5; Pl. 91, figs 1,
3, 5; Jones & Druce, 1966, p. 358, fig.
3 (1); Druce, 1969, p. 87, Pl. 17, fig. 7
[print reversed in Jones & Druce, figured
correctly in Druce, 1969]

C.P.C. 7929—Figured specimen (Jones &
Druce, 1966, fig. 3 (1); Druce, 1969,
Pl. 17, fig. 7)

Near Tanmurra Cr. (loc. 455/3B of
Veevers & Roberts, 1968, fig. 33).
Unnamed Famennian Limestone [=Ning-
bing Limestone of Veevers & Roberts,
1968]

C.P.C. 6097—Figured specimen (Glenister
& Klapper, 1966)

Old Bohemia area, about 8 km SW of Old
Bohemia hstd, Canning Basin, W.A. (loc.
K177). Virgin Hills Formation, middle
portion, exact stratigraphic position
unknown

Upper Devonian (Famennian)

PALMATOLEPIS MINUTA MINUTA
Branson & Mehl, 1934; Glenister &
Klapper, 1966.

Palmatolepis minuta Branson & Mehl, 1934,
p. 236, Pl. 18, figs 1, 6, 7. *Palmatolepis
minuta minuta* Branson & Mehl; Glenister
& Klapper, 1966, p. 817, Pl. 90, figs 1,
2, 7-14

C.P.C. 6096—Figured specimen (Pl. 90,
fig. 2)

Old Bohemia area, about 8 km SW of Old
Bohemia hstd, Canning Basin, W.A. (loc.
K177). Virgin Hills Formation, middle
portion, exact relative stratigraphic posi-
tion unknown

Upper Devonian

PALMATOLEPIS cf. P. REGULARIS
Cooper, 1931; Glenister & Klapper,
1966.

Palmatolepis cf. regularis Cooper, 1931, p.
242, Pl. 28, fig. 36. *Palmatolepis cf. P.
regularis* Cooper; Glenister & Klapper,
1966, p. 821, Pl. 92, figs 14-16

C.P.C. 6101—Figured specimen (fig. 14)
Virgin Hills, E of Virgin Cr. Bore, Canning
Basin, W.A., near WAPET DP4 section;
(loc. K260). Virgin Hills Formation,
middle portion, exact relative strati-
graphic position unknown

Upper Devonian

PALMATOLEPIS SUBPERLOBATA

Branson & Mehl, 1934; Glenister & Klapper, 1966.

Palmatolepis subperlobata Branson & Mehl, 1934, p. 235, Pl. 18, figs 11, 21; Glenister & Klapper, 1966, p. 822, Pl. 92, figs 5-7

C.P.C. 6100—Figured specimen (Pl. 92, fig. 6)

Virgin Hills, E of Virgin Cr. Bore, Canning Basin, W.A., near WAPET DP4 section (loc. K260). Virgin Hills Formation, middle portion, exact relative stratigraphic position unknown

Upper Devonian

PALMATOLEPIS SUBRECTA Miller & Youngquist, 1947; Glenister & Klapper, 1966.

Palmatolepis subrecta Miller & Youngquist, 1947, p. 513, Pl. 75, figs 7-11; Glenister & Klapper, 1966, p. 823, Pl. 88, figs 1-3

C.P.C. 6095—Figured specimen (Pl. 88, figs 1, 2)

SE Bugle Gap, Canning Basin, W.A., approximately WAPET B section (loc. RS190). Virgin Hills Formation, basal unit, exact relative stratigraphic position unknown

Upper Devonian

PALMATOLEPIS QUADRANTINODOSA cf. **MARGINIFERA** Helms, 1959; Glenister & Klapper, 1966

Palmatolepis quadrantinodosa marginifera Helms, 1959 ex Ziegler ms, p. 649, Pl. 5, figs 22, 23; Glenister & Klapper, 1966, p. 820, Pl. 91, figs 6-15

C.P.C. 6109—Figured specimen (Pl. 91, fig. 12)—destroyed

Old Bohemia area, about 8 km SW of Old Bohemia hstd (loc. K177), Virgin Hills Formation, middle portion, exact relative stratigraphic position unknown

Upper Devonian

PALMATOLEPIS QUADRANTINODOSA cf. **MARGINIFERA** Helms, 1959, ex Ziegler ms; Glenister & Klapper, 1966.

Palmatolepis quadrantinodosa cf. *marginifera* Helms, 1959, ex Ziegler ms; Glenister & Klapper, p. 826, Pl. 91, figs 16-18

C.P.C. 6098—(Pl. 91, fig. 16); C.P.C. 6110—(figs 17, 18)—Figured specimens

Old Bohemia area, about 8 km SW of Old Bohemia hstd, Canning Basin, W.A. (loc. K177). Virgin Hills Formation, middle portion, exact relative stratigraphic position unknown

Upper Devonian

PALMATOLEPIS QUADRANTINODOSALOBATA Sannemann, 1955; Glenister & Klapper, 1966.

Palmatolepis quadrantinodosalobata Sannemann, 1955, p. 328, Pl. 24, fig. 6; Glenister & Klapper, 1966, p. 821, Pl. 92, figs 1-3

C.P.C. 6099—Figured specimen (Pl. 92, fig. 3)

Virgin Hills, E of Virgin Creek Bore, Canning Basin, W.A., near WAPET DP4 section (loc. 260), Virgin Hills Formation, middle portion, exact relative stratigraphic position unknown

Upper Devonian

PELEKYSGNATHUS sp., Glenister & Klapper, 1966.

Pelekysgnathus sp., Glenister & Klapper, 1966, p. 826, Pl. 95, fig. 10

C.P.C. 6105—Figured specimen (fig. 10)

S of Burramundi Ra., Canning Basin, W.A. (loc. 289). Probably Pillara Limestone, immediately beneath Fairfield Formation

Upper Devonian

PLAYFORDIA PRIMITIVA (Bischoff & Ziegler, 1957); Glenister & Klapper, 1966.

Pelekysgnathus primitiva Bischoff & Ziegler, 1957, p. 83, Pl. 21, figs 5-9

- Playfordia primitiva* (Bischoff & Ziegler); Glenister & Klapper, 1966, p. 827, Pl. 95, figs 19, 20
- C.P.C. 6106—Figured specimen (Pl. 95, fig. 20)
- Isolated exposure in low hill, central Bugle Gap, Canning Basin, W.A. (loc. RS205). Gogo Formation
- Upper Devonian**
- POLYGNATHUS ANCYROGNATHOIDEA** Ziegler, 1958; Glenister & Klapper, 1966.
- Polygnathus ancyrognathoides* Ziegler, 1958, p. 69, Pl. 9, figs 8-11, 16-20, text-fig. 7; Glenister & Klapper, 1966, p. 827, Pl. 87, figs 14, 15
- C.P.C. 6094—Figured specimen (Pl. 87, figs 14, 15)
- 2.5 km SE of N entrance to Menyous Gap, Pillara Range, Canning Basin, W.A. (loc. K311; WAPET Section DD5, Unit C). Gogo Formation, top 3.5 m
- Upper Devonian**
- POLYGNATHUS NORMALIS** Miller & Youngquist, 1947; Glenister & Klapper, 1966.
- Polygnathus normalis* Miller & Youngquist, 1947, p. 515, Pl. 74, figs 4, 5. Glenister & Klapper, 1966, p. 829, Pl. 95, fig. 6, 21, 22
- C.P.C. 6104—Figured specimen (Pl. 95, fig. 6)
- 2.5 km SE of N entrance to Menyous Gap, Canning Basin, W.A. (loc. K311). Gogo Formation, top 3.5 m
- Upper Devonian**
- PSEUDOPOLYGNATHUS NODOMARGINATUS** (Branson, 1934); Jones & Druce, 1966; Druce, 1969.
- Polygnathus nodomarginata* Branson, 1934, p. 310, Pl. 25, fig. 10; Jones & Druce, 1966, p. 358, fig. 3 (3)
- Pseudopolygnathus nodomarginata*; Druce, 1969, p. 113, Pl. 35, figs 2a-b
- C.P.C. 8100—Figured specimen
- Mt Septimus (loc. 104/17 of Veevers & Roberts, 1968, fig. 39). Bonaparte Gulf Basin, W.A. Septimus Limestone
- Lower Carboniferous (Tournaisian)**
- SIPHONODELLA COOPERI** Haas, 1959; Jones & Druce, 1966; Druce, 1969.
- Siphonodella cooperi* Haas, 1959, p. 392, Pl. 48, figs 35, 36; Jones & Druce, 1966, p. 358, fig. 3 (2); Druce, 1969, p. 119, Pl. 39, fig. 3
- C.P.C. 8029—Figured specimen
- Near Ningbing hstd (loc. 7/1 of Veevers & Roberts, 1968, fig. 31), Bonaparte Gulf Basin, W.A. Ningbing Limestone (equivalent to part of the Burt Range Formation)
- Lower Carboniferous (Tournaisian)**

ECHINODERMATA

CALCEOLISPONGIA KALEWAENSIS Dickins, 1968.

Calceolispongia kalewaensis Dickins, 1968, p. 20, Pl. 4

C.P.C. 6206—Paratype M (figs 20-22)

3.7 km NNW of Cracow-Theodore Rd crossing of Delusion Cr. in small cr. W side of rd, Qld. Barfield Formation

C.P.C. 6207—Paratype N (figs 23-25)

200 m W of Paratype M locality

Early Upper Permian

CYAMIDIA PAUCIPORA Brunnschweiler, 1962.

Cyamidia paucipora Brunnschweiler, 1962, p. 162, text-figs 1a-c

C.P.C. 2825—Holotype (text-figs 1a-c)

C.P.C. 2826—Topotypes (7 unfigured specimens)

13 km SSE of Pleiade Hills, Carnarvon Basin, W.A. Merlinleigh Sandstone

Eocene

LENICYAMIDIA COMPTA Brunnschweiler, 1962.

Lenicyamidia compta Brunnschweiler, 1962, p. 165, text-figs 2, 3

C.P.C. 2827—Holotype (text-figs 2a-d)

C.P.C. 2828—Paratype (text-fig. 3)

C.P.C. 2829—Topotypes (40 unfigured specimens)

13 km SSE of Pleiade Hills, Carnarvon Basin, W.A. Merlinleigh Sandstone

Eocene

NULLAMPHIURA FELLI, Skwarko, 1963.

Nullamphiura felli Skwarko, 1963b, p. 579, Pl. 78, figs 4, 5

C.P.C. 4642—Holotype

Mirindow Point, on southern coast of Bathurst I., N.T.

Upper Cretaceous (Cenomanian)

HEMICHORDATA

Graptolithina

- DIDYMOGRAPTUS ARTUS** Elles & Wood, 1901; Skwarko, 1967.
Didymograptus artus Elles & Wood, 1901, pp. 1, 48, Pl. 4, figs 6a-d; Skwarko, 1967e, p. 177, Pl. 21-23, text-fig. 2-5
- C.P.C. 7000—Figured specimen (Pl. 21, fig. 1)—young metasicula in dorsal view
C.P.C. 7001—Figured specimen (fig. 2)—immature metasicula
C.P.C. 7002—Figured specimen (fig. 3)—immature metasicula
C.P.C. 7003—Figured specimen (Pl. 21, fig. 4; Pl. 22, fig. 1)—mature sicula
C.P.C. 7004—Figured specimen (Pl. 21, fig. 5; Pl. 22, fig. 3)—Reverse view of metasicula
C.P.C. 7005—Figured specimen (Pl. 21, fig. 6; Pl. 23, fig. 4)—immature specimen
C.P.C. 7006—Figured specimen (Pl. 21, fig. 7)—young rhabdosome
C.P.C. 7007—Figured specimen (Pl. 21, fig. 8; Pl. 22, fig. 2)—incomplete metasicula
C.P.C. 7008—Figured specimen (Pl. 21, fig. 9)—immature rhabdosome
C.P.C. 7009—Figured specimen (Pl. 21, fig. 10; Pl. 22, fig. 4)—parts of stipe
C.P.C. 7010—Figured specimen (Pl. 21, fig. 11; Pl. 22, fig. 5, text-fig. 3)
C.P.C. 7011—Figured specimen (Pl. 23, fig. 1)—incomplete metasicula
C.P.C. 7012—Figured specimen (Pl. 23, fig. 2)—young rhabdosome
C.P.C. 7013—Figured specimen (Pl. 23, fig. 3)—distal portion of rhabdosome
C.P.C. 7014—Figured specimen (text-fig. 2)—proximal portion of metasicula
Willara No. 1 Bore, Canning Basin, W.A., Core 6, at 6174 ft, lat. 19° 11' 48" S, long. 122° 04' 14" E

Ordovician (Llanvirnian)

MOLLUSCA

Bivalvia

ACANTHOPECTEN? sp., Dickins, 1963.

Acanthopecten? sp., Dickins, 1963, p. 86, Pl. 13, figs 5-9

C.P.C. 3926—Figured specimen B (fig. 6)

48 km WNW of Curbur hstd, Carnarvon Basin, W.A., lat. 26° 22' 00" S, long. 115° 25' 00" E. Callytharra Formation

C.P.C. 3927—Figured specimen D (fig. 5)

Callytharra, Wooramel R. area, Carnarvon Basin. Callytharra Formation

Lower Permian

'ANODONTOPHORA' cf. **GRIESBACHI** Bittner, 1899; Dickins & McTavish, 1963.

Anodontophora griesbachi Bittner, 1899, p. 60, Pl. 8, figs 14-16. '*Anodontophora*' cf. *griesbachi* Bittner; Dickins & McTavish, 1963, Pl. 2, figs 3-4

C.P.C. 4684—Figured specimen A (fig. 4)

C.P.C. 4685—Figured specimen B (fig. 3)

Beagle Ridge (10) Bore, Perth Basin, W.A., core 26 at 2,405-2,414 ft. Kockatea Shale

Lower Triassic

? APHRODINA (TIKIA) WOODWARDIANA (Hudleston, 1884); Skwarko, 1967.

Cytherea woodwardiana Hudleston, 1884, p. 340, Pl. 11, figs 8a-c. *?Aphrodina (Tikia) woodwardiana* (Hudleston); Skwarko, 1967a, p. 21, Pl. 4, fig. 2

C.P.C. 6960—Figured specimen

Mt Charles, Gibson Desert, W.A. (loc. 12D)

Lower Cretaceous (Aptian)

APIOTRIGONIA cf. **A. MINOR** (Yabe & Nagao, 1925); Brunnschweiler, 1960

Trigonia subovalis Jimbo var. *minor* Yabe & Nagao, 1925, p. 21, Pl. 1. *Apiotrigonia* cf. *A. minor* (Yabe & Nagao); Brunnschweiler, 1960, p. 21, Pl. 1, figs 16, 17, text-fig. 16

C.P.C. 581—Figured specimen (Pl. 1, fig. 17, text-fig. 16a)

C.P.C. 581a—Figured specimen (Pl. 1, fig. 16, text-figs 16b, c)

Mt Clarkson, Dampier Pen., W.A., Jowlaenga Formation

Lower Cretaceous (early Neocomian)

ASHCROFTIA DISTORTA Glaessner, 1949; Skwarko, 1967.

Cucullaea (Ashcroftia) distorta Glaessner, 1949, p. 171, Pl. 14, figs 1-4, text-fig. 3. *Ashcroftia distorta* Glaessner; Skwarko, 1967c, p. 92, Pl. 11, figs 8-14. C.P.C. 5118 (fig. 8); C.P.C. 5119 (fig. 9); C.P.C. 5120 (fig. 10); C.P.C. 5121 (figs 11, 12, 14); C.P.C. 5122 (fig. 13)—Figured specimens

Headwaters of Buiawim R., L. Trist area, near Wau, New Guinea, lat. 8° 26' S, long. 146° 55' E (loc. SF20). Sampa Beds

Lower Cretaceous

ASTARTE (NICANIELLA) MCWHAEI Cox, 1961.

Astarte (Nicanella) McWhaei Cox, 1961, p. 27, Pl. 4, figs 8a, b, 9, 10

C.P.C. 3816—Holotype (figs 8a, b); mould of left valve

C.P.C. 3817—Paratype (fig. 9); left valve

C.P.C. 3818—Paratype (fig. 10)—left valve

13.7 km NNW of The Range hstd, Carnarvon Basin, W.A. (loc. YM17), lat. 22° 8' 50" S, long. 115° 21' 50" E. Nanutarra Formation

Lower Cretaceous

ASTARTE? sp., Skwarko, 1967.

Astarte? sp., Skwarko, 1967c, p. 95, Pl. 12, fig. 13

C.P.C. 5133—Figured specimen

Headwaters of Buiawim R., L. Trist area, near Wau, New Guinea, lat. 7° 26' S, long. 146° 55' E (loc. SF20). Sampa Beds

Lower Cretaceous

ASTARTELLA OBLIQUA Dickins, 1963.

Astartella obliqua Dickins, 1963, p. 104, Pl. 16, figs 2-9, text-fig. 13

C.P.C. 3959—Paratype A (figs 7-8, text-fig. 13A)

Carynginia Gully, Irwin R. area, W.A., about 1 km at 334° from Carynginia (No. 1) Well. Fossil Cliff Formation

C.P.C. 3960—Paratype B (fig. 2)

C.P.C. 3961—Paratype C (fig. 9)

26 km at 120° from Mt Tuckfield, S end of St George Ra., Fitzroy Basin, W.A. Near base of Poole Sandstone

Lower Permian

ASTARTELLA sp., Hill & Woods, 1964.

Astartella sp., Hill & Woods, 1964, p. 24, Pl. 12, fig. 8

C.P.C. 5182—Figured specimen

NE Bowen Basin, Qld, lat. 20° 55' 45" S, long. 148° 08' 00" E. Lower Middle Bowen Beds [= Tiverton Subgroup of Back Creek Group]

Lower Permian

ASTARTIDAE gen. and sp. nov. Hill & Woods, 1964.

Astartidae gen. and sp. nov., Hill & Woods, 1964, p. 24, Pl. 12, figs 9a, b

C.P.C. 5183—Figured specimen

NE Bowen Basin, Qld, lat. 20° 57' S, long. 140° 08' E. Upper part of Middle Bowen Beds [= Blenheim Subgroup of Back Creek Group]

Lower Permian

ASTARTILA? cf. **GRYPHOIDES** de Koninck, 1877; Hill & Woods, 1964.

Astartila gryphoides de Koninck, 1877, p. 268, Pl. 18, fig. 4. *Astartila?* cf. *gryphoides* de Koninck; Hill & Woods, 1964, p. 20, Pl. P10, fig. 6

C.P.C. 5172—Figured specimen

Bowen Basin, Qld, lat. 21° 28' S, long. 148° 3' 15" E. Middle Middle Bowen Beds. [= Gebbie Subgroup of Back Creek Group]

Lower Permian

ASTARTILA (PLEURIKODONTA) ELEGANS Runnegar, 1965.

Astartila (Pleurikodonta) elegans Runnegar, 1965, p. 247, Pl. 15, figs 17-19, figs 21-26

C.P.C. 5183—Holotype (Pl. 15, figs 17-19, fig. 22)

C.P.C. 6808—Paratype A (fig. 24)

C.P.C. 6809—Paratype B (figs 25, 26)

Near Exmore hstd, 53 km SE of Collinsville, Qld, lat. 20° 57' 00" S, long. 140° 08' 00" E. Upper part of Middle Bowen Beds [= Blenheim Subgroup of Back Creek Group]

C.P.C. 6807—Paratype D (fig. 23)

4 km NNW of Blenheim hstd, Mt Coolan area, Qld. Upper part of Middle Bowen Beds

Permian

ASTARTILA (ASTARTILA) INTREPIDA Dana, 1847; Runnegar, 1965.

Astartila intrepida Dana, 1847, p. 155; 1849, p. 689, Pl. 3, figs 5, 5a

Astartila (Astartila) intrepida Dana; Runnegar, 1965, p. 245, Pl. 15, figs 7-14, 16, 20

C.P.C. 6803—Figured specimen B (figs 8-10)

Corduroy Cr., 1.9 km SE of railway viaduct, NE part of Bowen Basin, Qld. Upper part of Middle Bowen Beds [= Blenheim Subgroup of Back Creek Group]

C.P.C. 6804—Figured specimen C (figs 11, 16)

Immediately above unconformity, 13 km SW of Mt Lebanon hstd, NE Bowen Basin, Qld. Upper part of Middle Bowen Beds

C.P.C. 6805—Figured specimen D (fig. 12); C.P.C. 6148—Figured specimen F (fig. 14)

Stropholasia clarkei and associated beds, 13 km S of Mt Lebanon hstd. Upper part of Middle Bowen Beds

C.P.C. 6806—Figured specimen E (fig. 13)

Near Exmoor hstd, 53 km SE of Collinsville, Qld, lat. 20° 57' 00" S, long. 148° 08' E, NE Bowen Basin. Upper part of Bowen Beds

Permian

ATOMODESMA (ATOMODESMA) MYTILOIDES Beyrich, 1864; Dickins, 1963.

Atomodesma mytiloides Beyrich, 1864, p. 71, Pl. 3, fig. 3

Atomodesma (Atomodesma) mytiloides Beyrich; Dickins, 1963, p. 67, Pl. 9, figs 1-7, 9 (*Atomodesma*) omitted in explanation of plate).

C.P.C. 3905—Figured specimen A (figs 1-4)

9.4 km at 335° from Lyons River hstd, Carnarvon Basin, W.A. Top of exposed Callytharra Formation

C.P.C. 3906—Figured specimen B (fig. 9)
48 km WNW of Curbur hstd, Carnarvon Basin, lat. 26° 22' S, long. 115° 25' E. Callytharra Formation

C.P.C. 3909—Figured specimen C (fig. 7)
26 km at 120° from Mt Tuckfield, in S part of St George Ra., Fitzroy Basin, W.A. Near base of Poole Sandstone

C.P.C. 3908—Figured specimen D (figs 5, 6)

8 km SW of Moogoree hstd, SE by E of Donnally's Well, Carnarvon Basin. 108 m above base of Coyrie Formation, type Section, Byro Group

Lower Permian

ATOMODESMA (ATOMODESMA) MYTILOIDES Beyrich, 1864; var. nov. Dickins, 1963.

Atomodesma (Atomodesma) mytiloides Beyrich, var. nov. Dickins, 1963, p. 68, Pl. 10, figs 2-9.

C.P.C. 3912—Figured specimen A (figs 2-5)

Minilya syncline, N bank of Minilya R., Carnarvon Basin, W.A., lat. 230' 44' S, long. 114° 25' E, 58 m above base of Wandagee Formation

C.P.C. 3913—Figured specimen B (figs 8, 9)

Locality as above, but 35 m above base of Wandagee Formation

C.P.C. 3914—Figured specimen C (figs 6, 7)

Locality not known, possibly from Wandagee area, Carnarvon Basin. Wandagee Formation

Lower Permian

ATOMODESMA (ATOMODESMA) cf. TIMORENSE Wanner, 1922; Dickins, 1963.

Atomodesma timorensis Wanner, 1922, p. 67, Pl. 153 (3), figs 7a, b

Atomodesma (Atomodesma) cf. timorensis (Wanner); Dickins, 1963, p. 69, Pl. 9, figs 8, 10-12

C.P.C. 3909—Figured specimen A (figs 10-12)

C.P.C. 3911—Figured specimen B (fig. 8)
13 km E of Lyons River hstd, Carnarvon Basin, W.A. Collytharra Formation

C.P.C. 3910—Unfigured specimen
Probably Mt Wynne, Fitzroy Basin, W.A. Limestone of Nura Nura Member, Poole Sandstone

Lower Permian

AUCELLINA HUGHENDENENSIS (Etheridge Snr, 1872); Skwarko, 1966.

Avicula hughendenensis Etheridge, 1872, p. 346, Pl. 25, fig. 3

Aucellina hughendenensis (Etheridge Snr); Skwarko, 1966, p. 81, Pl. 1, figs 9-12
 C.P.C. 4939 (fig. 11); C.P.C. 4940 (fig. 10); C.P.C. 4941 (fig. 12); C.P.C. 4943 (fig. 9)—Figured specimens
 About 19 km E of Seigals Cr. hstd, N.T., lat. 17° 39' S, long. 137° 06' E (loc. TT60). Unit 7, Coastal Belt, Mullaman Beds

Lower Cretaceous (Albian)

AUSTROTRIGONIA PRIMA Skwarko, 1963.

Austrotrigonia prima Skwarko, 1963a, p. 33, Pl. 6, figs 1-3
 C.P.C. 4667—Holotype (Pl. 6, fig. 1); refigured Skwarko, 1966, Pl. 8, fig. 13
 C.P.C. 4668—Paratype (fig. 2)
 C.P.C. 4926—Figured specimen (fig. 3)
 Side of cr. on W edge of Yiyintyi Ra. 32 km NNE of Rosey Cr., N.T. (loc. TT55). Unit 2, Coastal Belt. Mullaman Beds

Lower Cretaceous (late Neocomian)

AUSTROTRIGONIA SECUNDA Skwarko, 1968.

Austrotrigonia secunda Skwarko, 1968, p. 177, Pl. 13, figs 1-7
 C.P.C. 6144—Holotype (Pl. 13, figs 4, 5, 7)
 C.P.C. 6145—Paratype (figs 1, 3)
 C.P.C. 6146—Paratype (fig. 2)
 Portion 129, Parish of Stanwell, about 30 km WSW of Rockhampton, Qld

Lower Cretaceous (Neocomian)

AVICULOPECTEN cf. SUBQUINQUELINEATUS (McCoy, 1847); Hill & Woods, 1964.

Pecten subquiquelineatus McCoy, 1847, p. 298, Pl. 17, fig. 1
Aviculopecten cf. *subquiquelineatus* (McCoy); Hill & Woods, 1964, p. 22, Pl. P11, figs 14, 15

C.P.C. 5175—Figured specimen (fig. 15) E Bowen Basin, Qld, lat. 22° 15' 45" S, long. 148° 08' 30" E. Lower Middle Bowen Beds [= Tiverton Subgroup of Back Creek Group]

C.P.C. 5176—Figured specimen (fig. 14) 400 m E of Homevale hstd, E Bowen Basin, Homevale Beds

Lower Permian

AVICULOPECTEN TENUICOLLIS (Dana, 1847); Dickins, 1963.

Pecten tenuicollis Dana, 1847, p. 160^o
Aviculopecten tenuicollis (Dana); Dickins, 1963, p. 82, Pl. 11, fig. 5; Pl. 13, figs 12-17; Pl. 14, fig. 1
 C.P.C. 3922—Figured specimen A (Pl. 13, figs 13-14)
 9.5 km at 335° from Lyons R. hstd, Carnarvon Basin, W.A. Top of exposed Callytharra Formation
 C.P.C. 3923—Figured specimen F (unfigured)
 Fossil Cliff, Irwin R. area, W.A. Fossil Cliff Formation

Lower Permian

AVICULOPECTEN? sp. Dickins, 1963.

Aviculopecten? sp. Dickins, 1963, p. 84, Pl. 13, figs 10-11
 C.P.C. 3924—Figured specimen
 26 km at 120° from Mt Tuckfield, in S part of St George Ra. Fitzroy Basin, W.A., near base of Poole Sandstone

Lower Permian

BAKEVELLIA (MAIZURIA) BUNDIENSIS Skwarko, 1967.

Bakevella (Maizuria) bundiensis Skwarko, 1967b, p. 51, Pl. 5, figs 15, 17, 18
 C.P.C. 5065—Holotype (Pl. 5, figs 17, 18)
 C.P.C. 5064—Figured specimen (fig. 15) 5 km NE Gebal, Central Highlands, New Guinea (loc. H157). Jimi Greywacke

Triassic (Carnian-Norian)

BAKEVELLIA (MAIZURIA) GEBALIANA Skwarko, 1967.

Bakevellia (Maizuria) gebaliana Skwarko, 1967b, p. 53, Pl. 5, fig. 12

C.P.C. 5061—Holotype

5 km W of Gebal, Central Highlands, New Guinea (loc. H176). Jimi Greywacke

Triassic (Carnian-Norian)

BAKEVELLIA sp. Dickins & McTavish, 1963.

Bakevellia sp. Dickins & McTavish, 1963, p. 129, Pl. 2, figs 7, 8, text-fig. 3

C.P.C. 4672—Figured specimen A (Pl. 2, fig. 7)

Beagle Ridge (BMR 10) Bore, Perth Basin, W.A., core 28 at 2614-2624 ft. Kockatea Shale

C.P.C. 4673—Figured specimen B (fig. 8)

C.P.C. 4674—Measured specimen, unfigured

Same locality as above, core 25, 2314-2324 ft. Kockatea Shale

Lower Triassic

BARBATIA sp. Cox, 1961.

Barbatia sp. Cox, 1961, p. 14, Pl. 1, fig. 8

C.P.C. 3775—Figured specimen (external mould of right valve)

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

BRACHIDONTES? VOISEYI Skwarko, 1966.

Brachidontes? voiseyi Skwarko, 1966, p. 95, Pl. 5, fig. 15

C.P.C. 4934—Holotype (Pl. 5, fig. 15)

40 km NW of Bulman, N.T., lat. 13° 24.5' S, long. 134° 09' E (loc. TT64). Unit 2, Coastal Belt, Mullaman Beds

Lower Cretaceous (late Neocomian)

BRACHIDONTES sp. Cox, 1961.

Brachidontes sp. Cox, 1961, p. 20, Pl. 2, fig. 8

C.P.C. 3793—Figured specimen (external part of right valve)

13.7 km NNW of The Range hstd, Carnarvon Basin, W.A. (loc. YM17), lat. 22° 8' 50", long. 115° 21' 50" E. Nanutarra Formation

Lower Cretaceous

BUCHIA MALAYOMAORICA (Krumbeck), 1923; Brunnschweiler, 1960.

Aucella malayomaorica Krumbeck, 1923, p. 65, Pl. 173, figs 2-12, 17; Pl. 177, figs 13a-b

Buchia malayomaorica (Krumbeck); Brunnschweiler, 1960, p. 10, Pl. 1, figs 6-8, 10-13, text-figs 5a-e.

Specimens lost in fire, April 1953; not registered

Langey Crossing, Lower Fitzroy R., Dampier Pen. Langey Beds

Upper Jurassic

(See also *Malayomaorica malayomaorica*)

CAMPTONECTES DUNNI Skwarko, 1966.

Camptonectes dunni Skwarko, 1966, p. 84, Pl. 3, fig. 9

C.P.C. 4760—Holotype (Pl. 3, fig. 9)

Side of cr. on W edge of Yiyintyi Ra. 32 km NNE of Rosie Cr., N.T., lat. 15° 25.5' S, long. 135° 42' E, (loc. TT55). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

CAMPTONECTES MAGNIFICUS Skwarko, 1966.

Camptonectes magnificus Skwarko, 1966, p. 85, Pl. 2, figs 1-9

C.P.C. 4756—Holotype (Pl. 2, fig. 8)

About 3 km N of Roper R. road, about 29 km E of Roper River Mission, N.T., lat. 14° 44' S, long. 134° 59' E (loc. TT45). Unit 2, Coastal Belt, Mullaman Beds

C.P.C. 4757—Paratype A (fig. 9)

Side of cr. on W edge of Yiyintyi Ra.
32 km NNE of Rosie Cr., N.T., lat.
14° 26' S, long. 131° 27' E (loc. TT55).
Unit 2, Coastal Belt

C.P.C. 4758—Paratype B (fig. 7)

C.P.C. 4966 (figs 1, 2); C.P.C. 4968 (fig.
3); C.P.C. 4969 (fig. 4)—Juvenile forms
2.4 km SE of abandoned Rosie Cr. hstd,
N.T., lat. 15° 44' S, long. 135° 40' E (loc.
TT35). Unit 2, Mullaman Beds

C.P.C. 4965—Paratype C (fig. 15)

About 70 km E of Mountain Valley road
turn-off, along Maranboy-Mainoru road,
27 km from Mainoru, in mesa just N of
road, N.T., lat. 14° 09' S, long. 135° 52'
E (loc. TT5). Unit 2, Coastal Belt,
Mullaman Beds

C.P.C. 4964—Paratype D (fig. 6)

1.9 km N of edge of plateau in cliffs facing
Katherine R., across main Yeuralba mine
road, N.T., lat. 14° 17' S, long. 132° 43'
E (loc. TT49). Unit 2, Coastal Belt,
Mullaman Beds

Lower Cretaceous (late Neocomian)

CAMPTONECTES(?) MAINORUENSIS Skwarko, 1966.

Camptonectes(?) mainoruensis Skwarko,
1966, p. 86, Pl. 3, figs 1, 2, 5

C.P.C. 4759—Holotype (Pl. 3, fig. 5)

C.P.C. 4937—Paratype A (fig. 1)

C.P.C. 4974—Paratype B (fig. 2)

7 km W of Mainoru along Mainoru-
Maranboy road, 1.5 km N of road, N.T.,
lat. 14° 03.5' S, long. 134° 02' E (loc.
TT6). Unit 2, Coastal Belt, Mullaman
Beds

Lower Cretaceous (late Neocomian)

CAMPTONECTES YOUNGENSIS Skwarko, 1966.

Camptonectes youngensis Skwarko, 1966,
p. 87, Pl. 3, figs 23, 24, 7, 8, 11 (figs 3
and 4 not queried in Plate legend)

C.P.C. 4761—Holotype (Pl. 3, fig. 7)

C.P.C. 5031—Paratype A (fig. 8)

C.P.C. 4977—Paratype B (fig. 11)

C.P.C. 4975—Figured specimens (figs 3, 4)
2.4 km SE of abandoned Rosie Cr. hstd,
N.T., lat. 15° 44' S, long. 135° 40' E (loc.
TT35). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

CARDIUM KUPERENSIS Skwarko, 1967.

Cardium kuperensis Skwarko, 1967c, p. 96,
Pl. 11, figs. 3, 4, 7

C.P.C. 5115—Holotype (Pl. 11, fig. 7)

C.P.C. 5113—Paratype A (fig. 3)

C.P.C. 5114—Paratype B (fig. 4)

Headwaters of Buiawim R., L. Trist area,
near Wau, lat. 7° 26' S, long. 146° 55' E
(loc. SR20). Sampa Beds

Lower Cretaceous

CHAENOMYA? NURAENSIS Dickins, 1963.

Chaenomya sp. nov. Dickins, 1957, p. 29,
Pl. 4, figs 10-12

Chaenomya? nuraensis Dickins, 1963, p.
52, Pl. 6, figs 10-14

C.P.C. 3883—Holotype (figs 10-12)

Locality uncertain but close to KNuA₁
which is 2.6 km SW of Paradise hstd,
Fitzroy Basin, W.A. Nura Nura Member,
Poole Sandstone

C.P.C. 3884—Paratype (figs 13, 14)

Locality uncertain but apparently same as
above

Lower Permian

CHAENOMYA sp. Dickins, 1963.

Chaenomya sp. Dickins, 1963, p. 51, Pl. 8,
figs 12-16

C.P.C. 3881—Figured specimen B (fig. 14)

9.5 km at 335° from Lyons River hstd,
Carnarvon Basin, W.A. (loc. G202).
Callytharra Formation

C.P.C. 3882—Figured specimen C (figs 15,
16)

Locality uncertain but close to KNUA₁, 2.6 km SW of Paradise hstd, Fitzroy Basin, W.A., lat. 18° 02' 30" S, long. 124° 31' 00" E. Nura Nura Member, Poole Sandstone

Lower Permian

CLARAIA PERTHENSIS Dickins & McTavish, 1963.

Claraia perthensis Dickins & McTavish, 1963, p. 131, Pl. 1, figs 2-9

C.P.C. 4675—Holotype (Pl. 1, figs 5-7)

C.P.C. 4676—Paratype A (figs 8-9)

C.P.C. 4677—Paratype B (unfigured)

C.P.C. 4678—Paratype C (fig. 4)

C.P.C. 5679—Paratype D (unfigured)

C.P.C. 4680—Paratype E (fig. 2)

C.P.C. 4681—Paratype F (unfigured)

C.P.C. 4682—Paratype G (fig. 3)

Beagle Ridge (BMR 10) Bore, Perth Basin, W.A., cores 34 and 35 at 3193-3213 ft (see text-fig. 2, p. 126). Kockatea Shale

Lower Triassic

CLARAIA PERTHENSIS? Dickins & McTavish, 1963.

Claraia perthensis? Dickins & McTavish, 1963, p. 132, Pl. 2, fig. 2

C.P.C. 4746—Figured specimen

Beagle Ridge (BMR 10) Bore, Perth Basin, W.A., core 25 at 2314-2324 ft. Kockatea Shale

Lower Triassic

CLARAIA STACHEI (Bittner, 1901); Dickins & McTavish, 1963.

Pseudomonotis (Claraia) stachei Bittner, 1901, p. 587

Claraia stachei (Bittner); Dickins & McTavish, 1963, p. 32, Pl. 2, fig. 1

C.P.C. 4683—Figured specimen

Beagle Ridge (BMR 10) Bore, Perth Basin, W.A., cores 34 and 35, at 3193-3213 ft (see text-fig. 2, p. 126). Kockatea Shale

Lower Triassic

CLIMACOTRIGONIA WAUENSIS Skwarko, 1967.

Climacotrigonia wauensis Skwarko, 1967c, p. 95, Pl. 12, figs 2, 3

C.P.C. 5125—Holotype (Pl. 12, fig. 3)

C.P.C. 5124—Paratype (fig. 2)

Headwaters of Buiawim R., L. Trist area, near Wau, New Guinea, lat. 7° 26' S, long. 146° 55' E (loc. SF20). Sampa Beds

Lower Cretaceous

CONOCARDIUM sp. Hill & Woods, 1964.

Conocardium sp. Hill & Woods, 1964, p. 24, Pl. P12, fig. 11

C.P.C. 5184—Figured specimen

3 km WNW of Bundaleer hstd, central Bowen Basin, Qld. Middle Middle Bowen Beds [= Gebbie Subgroup of Back Creek Group]

Lower Permian

'CORBICELLOPSIS' NANUTARRAENSIS Cox, 1961.

'Corbicellopsis' nanutarraensis Cox, 1961, p. 24, Pl. 3, figs 10a, b

C.P.C. 3804—Holotype (natural mould of interior of right valve, and Revultex squeeze made from it)

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

CORBULA NANUTARRAENSIS Cox, 1961.

Corbula nanutarraensis Cox, 1961, p. 30, Pl. 6, fig. 2

C.P.C. 3828—Holotype (exterior of left valve)

13.7 km NNW of The Range hstd, Carnarvon Basin, W.A. (loc. YM17), lat. 22° 8' 50" S, long. 115° 21' 50" E. Nanutarra Formation

Lower Cretaceous

COSMOMYA (PALAEOCOSMOMYA)

sp. cf. **C. (P.) TEICHERTI** Fletcher, 1946; Dickins & Shah, 1965.

Palaeocosmomya teichertii Fletcher, 1946, p. 402, Pl. 34, figs 4-6; Pl. 35, figs 7, 8

Cosmomya (Palaeocosmomya) sp. cf. *C. (P.) teichertii* Fletcher; Dickins & Shah, 1965, Pl. 17, figs 5-7

C.P.C. 6971—Figured specimen (right valve)

East limb of Minilya Syncline, N bank of Minilya R., 49 m above base of Quinmanie Shale, Carnarvon Basin, W.A.

Late Permian

COSTATORIA MELANESIANA Skwarko, 1967.

Costatoria melanesiana Skwarko, 1967b, p. 65, Pl. 8, figs 1-7; Pl. 9, figs 2, 4, 5, text-fig. 9

C.P.C. 5096—Holotype (Pl. 8, figs 4, 6)

C.P.C. 5907—Paratype A (Pl. 8, figs 5, 7)

C.P.C. 5093—Paratype B (Pl. 8, fig. 1, text-fig. 9)

8 km NE of Tabibuga, Central Highlands, New Guinea (loc. M26). Jimi Greywacke

C.P.C. 5095—Paratype C (Pl. 8, fig. 3)

C.P.C. 5100—Paratype D (Pl. 9, fig. 2) (not mentioned in text)

8 km E of Tabibuga, Central Highlands (loc. M29). Jimi Greywacke

C.P.C. 5094—Paratype E (Pl. 8, fig. 2) (not mentioned in text)

ENE of Tabibuga, Central Highlands (loc. H199). Jimi Greywacke

C.P.C. 5101—Paratype F (Pl. 9, fig. 4) (not mentioned in text)

C.P.C. 5102—Paratype G (Pl. 9, fig. 5) (not mentioned in text)

ENE of Tabibuga, Central Highlands (loc. H199). Jimi Greywacke

Triassic (Carnian-Norian)

COSTATORIA MELANESIANA SPARSICOSTATA Skwarko, 1967.

Costatoria melanesiana sparsicostata Skwarko, 1967b, p. 65, Pl. 9 (not Pl. 5, as in text, p. 65) figs 6, 8

C.P.C. 5103—Holotype (Pl. 9, not Pl. 5 as in text, fig. 6)

8 km NE from Tabibuga, Central Highlands, New Guinea (loc. M26). Jimi Greywacke

C.P.C. 5104—Paratype (Pl. 9, fig. 8) (not mentioned in text)

8 km ENE of Tabibuga, Central Highlands (loc. H199). Jimi Greywacke

Triassic (Carnian-Norian)

CUCULLAEA sp. or spp., Cox, 1961.

Cucullaea sp. or spp., Cox, 1961, p. 13, Pl. 1, figs 3, 5

C.P.C. 3773—Figured specimen (fig. 5)—mould of exterior of left valve

C.P.C. 3774—Figured specimen (fig. 3)—mould of exterior of left valve

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

CYPRICARDIA? cf. **GREGARIA** (Etheridge, 1900); Hill & Woods, 1964.

Pleurophorus gregaria Etheridge, 1900, p. 185, Pl. 33, figs 2-5

Cypricardia ? cf. *gregaria* (Etheridge); Hill & Woods, 1964, p. 24, Pl. P 12, fig. 4

C.P.C. 5180—Figured specimen

N Bowen Basin, Qld, lat. 20° 56' 30" S, long. 147° 41' 15" E. Glendoo Member, Collinsville Coal Measures

Lower Permian

CYPRINA LATERALIS Skwarko, 1966.
Cyprina lateralis Skwarko, 1966, p. 108, Pl. 8, figs 12, 14, 15

C.P.C. 4762—Holotype (Pl. 8, fig. 12)

C.P.C. 4763—Paratype A (fig. 14)

C.P.C. 4764—Paratype B (fig. 15)

2.4 km SE of abandoned Rosie Creek hstd, N.T., lat. 15° 44' S, long. 135° 40' E (loc. TT35). Unit 2, Coastal Belt, Mullaman Beds

Lower Cretaceous (late Neocomian)

CYRENOPSIS? sp. nov. Skwarko, 1966.
Cyrenopsis(?) sp. nov. Skwarko, 1966, p. 105, Pl. 8, fig. 11.

C.P.C. 5013—Figured specimen.

49.2 km at 26° from northern tip of Fowler I., N.T., lat. 13° 23' E, long. 135° 01' E (loc. TT65). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

DELTOPECTEN WATERFORDI Dickins, 1963.

Deltopecten waterfordi Dickins, 1963, p. 79, Pl. 12, figs 5-11

C.P.C. 3918—Holotype (figs 8-11)

19 km S of Lyons River hstd, Gascoyne area, Carnarvon Basin, W.A. Callytharra Formation

C.P.C. 3919—Paratype A (fig. 7)

C.P.C. 3920—Paratype B (fig. 6)

6.2 km SW of Moogooree hstd, Carnarvon Basin, lat. 24° 06' 16" S, long. 115° 10' 04" E. 107 m above base of Callytharra Formation

C.P.C. 3921—Paratype C (fig. 5)

Locality and formation uncertain, probably from Callytharra Formation, lat. 25° 19' S, long. 115° 12' E

Lower Permian

EDMONDIA PRICHARDI Dickins, 1963.

Edmondia prichardi Dickins, 1963, p. 43, Pl. 3, figs 15-23; Pl. 4, figs 15, 16

C.P.C. 3879—Paratype F (figs 18, 23)

1.5 km W of Callytharra Springs, Byro Station, Carnarvon Basin, W.A. (GW137). 40-55 m above base of Callytharra Formation

Lower Permian

ELIMATA GUPPYI Dickins, 1963.

Elimata guppyi Dickins, 1963, p. 94, Pl. 15, figs 6-13

C.P.C. 3939—Holotype (figs 10-12)

C.P.C. 3940—Paratype A (fig. 6)

C.P.C. 3941—Paratype B (fig. 7)

C.P.C. 3942—Paratype C (figs 8, 13)

C.P.C. 3493—Paratype D (fig. 9)

26 km at 120° from Mt Tuckfield in S part of St George Range, Fitzroy Basin, W.A. Near base of Poole Sandstone

Lower Permian

ENTOLIUM sp. Skwarko, 1966.

Entolium sp. Skwarko, 1966, p. 83, Pl. 2, fig. 10 (not Pl. 1, figs 13-17 as in text)

C.P.C. 5051—Figured specimen

1.6 km W of Ryan Bend Waterhole on Batten Cr., about 32 km WSW from Borroloola, N.T., lat. 16° 15' S, 136° 02.5' E (loc. TT21). Unit 6, Coastal Belt, Mullaman Beds

Lower Cretaceous (Aptian)

EPICYPRINA ABORIGINEA Skwarko, 1966.

Epicyprina aboriginea Skwarko, 1966, p. 106, Pl. 9, figs 1-5, 8

C.P.C. 4766—Holotype (Pl. 9, figs 3, 5)

C.P.C. 4765—Paratype (fig. 1)

C.P.C. 5021 (fig. 4); C.P.C. 5022 (fig. 8); C.P.C. 5023 (fig. 2)—Figured Specimens

2.4 km SE of abandoned Rosie Creek hstd, N.T., lat. 15° 44' S, long. 135° 32' E (loc. TT35). Unit 2, Coastal Belt, Mullaman Beds

Lower Cretaceous (late Neocomian)

EPICYPRINA AUSTRALIANA Skwarko, 1966.

Epicyprina australiana Skwarko, 1966, p. 108, Pl. 9, figs 6, 7, 9

C.P.C. 4767—Holotype (Pl. 9, figs 6, 7, 9)
2.4 km SE of abandoned Rosie Creek hstd, N.T., lat. 15° 44' S, long. 135° 40' E (loc. TT35). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

ERIPHYLE(?) BAUHINIANA Skwarko, 1966.

Eriphyla(?) bauhiniiana Skwarko, 1966, p. 104, Pl. 8, figs 3, 4, 8, ?9; Pl. 15, fig. 15, text-fig. 9

C.P.C. 5042—Holotype (Pl. 8, fig. 3)

1.6 km W of Ryan Bend Waterhole on Batten Cr., N.T., lat. 16° 08' S, long. 136° 02.5' E (loc. TT21). Unit 2, Coastal Belt, Mullaman Beds

C.P.C. 5014—Paratype A (Pl. 8, fig. 4)

C.P.C. 5043—Figured specimen (Pl. 8, ? fig. 9)

C.P.C. 4802—Paratype B (Pl. 15, fig. 15, text-fig. 9)

2.4 km SE of abandoned Rosie Creek hstd, N.T., lat. 15° 44' S, long. 135° 40' E (loc. TT35). Unit 2, Coastal Belt, Mullaman Beds

C.P.C. 5015—Paratype C (Pl. 8, fig. 8)

Upper Walker R., N.T., lat. 13° 38.5' S, long. 135° 29' E (loc. TT68). Unit 2, Coastal Belt, Mullaman Beds

Lower Cretaceous (late Neocomian)

ERIPHYLE PLAYFORDI Cox, 1961.

Eriphyla playfordi Cox, 1961, p. 27, Pl. 5, figs 1-4

C.P.C. 3819—Holotype (fig. 2) mould of exterior of right valve

C.P.C. 3820—Paratype (fig. 4) mould of interior of right valve

C.P.C. 3821—Paratype (fig. 3) interior of right valve

C.P.C. 3822—Paratype (fig. 1) interior of left valve

135 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

EUCHONDRIA CALLYTHARRAENSIS Dickins, 1963.

Euchondria callytharraensis Dickins, 1963, p. 89, Pl. 14, figs 2-8

C.P.C. 3928—Holotype (figs 3-5)

C.P.C. 3929—Paratype A (figs 7, 8)

C.P.C. 3930—Paratype B (fig. 6)

C.P.C. 3931—Paratype C (fig. 2)

9.5 km at 335° from Lyons River hstd, Carnarvon Basin, W.A. At top of exposed Callytharra Formation

Lower Permian

EXOXYRA AUSTRALIANA Skwarko, 1966.

Exogyra australiana Skwarko, 1966, p. 92, Pl. 5, figs 6-11

C.P.C. 5025—Holotype (Pl. 5, fig. 7)

C.P.C. 5029—Paratype A (fig. 9)

C.P.C. 5001—Paratype B (figs 10, 11)

C.P.C. 4999—Paratype C (fig. 6)

C.P.C. 5000—Paratype D (fig. 8)

2.4 km SE of abandoned Rosie Creek hstd, N.T., lat. 15° 44' S, long. 135° 40' E (loc. TT35). Unit 2, Coastal Belt, Mullaman Beds

Lower Cretaceous (late Neocomian)

EXOXYRA TRAVESI Skwarko, 1966.

Exogyra traversi Skwarko, 1966, p. 93, Pl. 5, figs 16-20

C.P.C. 4993—Holotype (Pl. 5, fig. 18)

C.P.C. 4992—Paratype (fig. 17)

C.P.C. 4994 (fig. 19); C.P.C. 4995 (fig. 20); C.P.C. 4970 (?fig. 17)—Figured specimens

Headwaters of Walker R., N.T., lat. 13° 34' S, long. 135° 29.5' E (loc. TT66). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

EYRENA sp. cf. **E. LINGULOIDES** (Hudleston, 1884); Skwarko, 1967.

Modiola linguloides Hudleston, 1884, p. 341, Pl. 10, figs 6a, b,

Eyrena sp. cf. *E. linguloides* (Hudleston); Skwarko, 1967a, p. 19, Pl. 2, figs 6-10.

C.P.C. 6937—Figured specimen (Pl. 2, figs 6, 7)

C.P.C. 6938—Figured specimen (fig. 8)

Mt Everard, Gibson Desert, W.Aust., lat. 25° 10' 40" S, long. 125° 03' 45" E (loc. 19)

C.P.C. 6939—Figured specimen (fig. 9)

C.P.C. 6940—Figured specimen (fig. 10)

Mt Charles, Gibson Desert, W.A. (loc. 12D)

Lower Cretaceous (Aptian)

EYRENA PRIMULAFONTENSIS (Etheridge Jnr, 1902); Skwarko, 1967.

Mytilus primulafontensis Etheridge Jnr, 1902, p. 18; Pl. 2, figs 22-24

Eyrena primulafontensis (Etheridge Jnr); Skwarko, 1967a, p. 18, Pl. 2, figs 1-5, text-fig. 4

C.P.C. 6934—Figured specimen (Pl. 2, figs 1, 3)

C.P.C. 6935—Figured specimen (figs 2, 4)

C.P.C. 6936—Figured specimen (fig 5.)

C.P.C. 6950—Figured specimen (text-fig. 4a)

C.P.C. 6957—Figured specimen (text-fig. 4b)

Mt Samuel, Gibson Desert, W.A., lat. 25° 45' 55" S, long. 125° 55' 43" E (loc. B6). Bejah Beds

Lower Cretaceous (Aptian)

FISSILUNULA CLARKEI (Moore, 1870); Brunnenschweiler, 1960.

Cytherea clarkei Moore, 1870, p. 250, Pl. 13, fig. 1

Fissilunula clarkei (Moore); Brunnenschweiler, 1960, p. 30, Pl. 2, figs 8, 9, text-figs 23, 24a, b.

C.P.C. 587—Figured specimen

Stony Ridge, 3 km S of Broome-Derby Highway, Dampier Pen., W.A. Melligto Quartzite

Lower Cretaceous (Neocomian)

FISSILUNULA CLARKEI (Moore, 1870); Skwarko, 1966.

Cytherea clarkei Moore, 1870, p. 250, Pl. 13, fig. 1

Fissilunula clarkei (Moore); Skwarko, 1966, p. 106, Pl. 13, figs 6, 8

C.P.C. 5038—Figured specimen

8 km at 330° from Old Bauhinia Downs hstd, N.T., lat. 16° 09.5' S, long. 135° 25' E (loc. TT31). Unit 2, Coastal Belt, Mullaman Beds

Lower Cretaceous (Aptian)

FISSILUNULA CLARKEI (Moore, 1870); Skwarko, 1967.

Cytherea clarkei Moore, 1870, p. 250, Pl. 13, fig. 1

Fissilunula clarkei (Moore); Skwarko, 1967a, p. 19, Pl. 1, figs 9, 10.

C.P.C. 6933—Figured specimen (figs 9, 10)

Gravity Station, 5A-567. Gibson Desert, central W.A., lat. 27° 03' 00" S, long. 125° 57' 32" E (loc. WW1)

Lower Cretaceous (Aptian)

GERVILLANCEA COXIELLA Skwarko, 1967.

Gervillancea coxiella Skwarko, 1967b, p. 54, Pl. 7, figs 1-10, text-fig. 7

C.P.C. 5087—Holotype (Pl. 7, fig. 6)

C.P.C. 5083—Paratype A (Pl. 7, fig. 1)

C.P.C. 5084—Paratype B (Pl. 7, fig. 2)

C.P.C. 5086—Paratype C (Pl. 7, fig. 4)

C.P.C. 5089—Paratype D (Pl. 7, fig. 7)

C.P.C. 5090—Paratype E (Pl. 7, fig. 8)

C.P.C. 5091—Paratype F (Pl. 7, fig. 9) (not mentioned in text)

C.P.C. 5092—Paratype G (Pl. 7, fig. 10)

8 km NE from Tabibuga, Central Highlands, New Guinea (loc. M26). Jimi Greywacke

Triassic (Carnian-Norian)

GERVILLIA (GERVILLIA) SIMBAIANA Skwarko, 1967

Gervillia (Gervillia) simbaiana Skwarko, 1967b, p. 56, Pl. 5, figs 7-11

C.P.C. 5057—Holotype (Pl. 5, figs 7, 9)

C.P.C. 5058—Paratype A (Pl. 5, fig. 8)
C.P.C. 5060—Paratype C (Pl. 5, fig. 11)
7.2 km NE of Tabibuga, Central Highlands,
New Guinea (loc. H200). Jimi Grey-
wacke

C.P.C. 5059—Paratype B (Pl. 1, figs 5, 10)
19 km E of Tabibuga (loc. H185). Jimi
Greywacke

Triassic (Carnian-Norian)

GIRTYPECTEN OVALIS Dickins, 1963
Girtypecten ovalis Dickins, 1963, p. 85, Pl.
13, figs 1-4

C.P.C. 3923—Paratype A (fig. 4, external
impression of part of left valve)

48 km NNW of Curbur hstd, Carnarvon
Basin, W.A., lat. 26° 22' 00" S, long.
115° 25' 00" E. Callytharra Formation

Lower Permian

GLYCYMERIS MACKELLARI Cox,
1961.

Glycymeris mackellari Cox, 1961, p. 14, Pl.
1, fig. 7

C.P.C. 3776—Holotype

13.7 km NNW of The Range hstd, Carnar-
von Basin, W.A. (loc. YM17), lat. 22°
8' 50" S, long. 115° 21' 50" E. Nanu-
tarra Formation

Lower Cretaceous

GLYCYMERIS sp., Cox, 1961.

Glycymeris sp. Cox, 1961, p. 15

C.P.C. 3778—Unfigured specimen

13.7 km NNW of The Range hstd, Carnar-
von Basin, W.A. (loc. YM17), lat. 22°
8' 50" S, long. 115° 21' 50" E. Nanu-
tarra Formation

Lower Cretaceous

GLYCYMERIS sp., Glaessner, 1949;
Skwarko, 1967.

Glycymeris sp., Glaessner, 1949, p. 171,
Pl. 14, figs 5, 6, text-fig. 4; Skwarko,
1967c, p. 93, Pl. 11, figs 5, 6

C.P.C. 5116 (fig. 5); C.P.C. 5117 (fig. 6)
—Figured specimens

Headwaters of Buiawim R., L. Trist area,
near Wau, New Guinea, lat. 7° 26' S,
long. 146° 55' E (loc. SF20). Sampa
Beds

Lower Cretaceous

GRAMMATODON ARNHEMENSE
Skwarko, 1966.

Grammatodon arnhemense Skwarko, 1966,
p. 73, Pl. 1, figs 5, 7, 8

C.P.C. 4932—Holotype (Pl. 1, fig. 5)

C.P.C. 4931—Paratype A (fig. 7)

C.P.C. 4933—Paratype B (fig. 8)

Upper Walker R., N.T., lat. 13° 37' S, long.
135° 30' E (loc. TT68 not TT48 as in
text, p. 73). Unit 2, Coastal Belt, Mulla-
man Beds

Lower Cretaceous (late Neocomian)

GRAMMATODON PSITTACULUM
Skwarko, 1966.

Grammatodon psittaculum Skwarko, 1966,
p. 74, Pl. 1, figs 1-4, text-fig. 3

C.P.C. 4743—Holotype (Pl. 1, fig. 1)

C.P.C. 4744—Paratype A (Pl. 1, figs 2, 3,
text-fig. 3)

C.P.C. 4742—Paratype B (fig. 4)

2.4 km SE of abandoned Rosie Creek
hstd, N.T., lat. 15° 44' S, long. 135°
40' E (loc. TT35). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

GRAMMATODON sp. A. Cox, 1961.

Grammatodon sp. A. Cox, 1961, p. 12, Pl.
1, fig. 2

C.P.C. 3770—Figured specimen (external
mould of left valve)

13.5 km NNE of The Range hstd, Carnar-
von Basin, W.A. (loc. MH4), lat. 22°
8' S, long. 115° 26' 30" E. Nanutarra
Formation

Lower Cretaceous

GRAMMATODON sp. B. Cox, 1961.

Grammatodon sp. B. Cox, 1961, p. 13, Pl. 1, figs 4a-b

C.P.C. 3771—Figured specimen (exterior mould of posterior part of right valve)

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

GRAMMATODON sp. C. Cox, 1961.

Grammatodon sp. C. Cox, 1961, p. 13, Pl. 1, fig. 6.

C.P.C. 3772—Figured specimen (internal mould of right valve)

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

GUINEANA JIMIENSIS Skwarko, 1967.

Guineana jimiensis Skwarko, 1967b, p. 60, Pl. 6, figs. 1-8, text-fig. 8

C.P.C. 5067—Holotype (Pl. 6, fig. 2)

C.P.C. 5068—Paratype A (Pl. 6, fig. 3)

C.P.C. 5069—Paratype B (Pl. 6, fig. 4)

C.P.C. 5070—Paratype C (Pl. 6, figs 5, 6)

C.P.C. 5071—Paratype D (Pl. 6, fig. 7)

C.P.C. 5136—Paratype E (text-fig. 8)

C.P.C. 5072—Figured specimen (Pl. 6, fig. 8) (not mentioned in text)

C.P.C. 5066—Figured specimen (Pl. 6, fig. 1) (not mentioned in text)

Bombu Cr., Central Highlands, New Guinea (loc. H782). Jimi Greywacke

Triassic (Carnian-Norian)

INOCERAMUS sp. nov. a cf. **I. ANGLICUS** Woods, 1911; Brunnschweiler, 1960.

Inoceramus anglicus Woods, 1911, p. 264, Pl. 45, figs 8-10

Inoceramus sp. nov. a cf. *I. anglicus* Woods; Brunnschweiler, 1960, p. 26, Pl. 2, figs 3, 6, text-figs 19a-c

C.P.C. 584—Figured specimen (Pl. 2, fig. 3, text-fig. 19a)

C.P.C. 585—Figured specimen (Pl. 2, fig. 6, text-figs 19b, c)

NE side of Cape Leveque headland just below base of big sand dune on which lighthouse stands, Dampier Pen., W.Aust. Leveque Sandstone

Lower Cretaceous (Neocomian)

INOCERAMUS sp. nov. b., cf. **I. ANGLICUS** Woods, 1911, Brunnschweiler, 1960.

Inoceramus sp. nov. b, cf. *I. anglicus* Woods; Brunnschweiler, 1960, p. 28, Pl. 2, fig. 5, text-fig. 20

Specimen lost in fire, April 1953

NE side of Cape Leveque headland just below base of big sand dune on which lighthouse stands, Dampier Pen., W.Aust. Leveque Sandstone

Lower Cretaceous (Neocomian)

INOCERAMUS sp. nov. c, aff. **I. NEOCOMIENSIS** d'Orbigny, 1846; Brunnschweiler, 1960.

Inoceramus neocomiensis d'Orbigny, 1846, p. 503, Pl. 403, figs 1, 2

Inoceramus sp. nov. c, aff. *I. neocomiensis* d'Orbigny; Brunnschweiler, 1960, p. 29, Pl. 2, fig. 4, text-figs 21, 22

C.P.C. 586—Figured specimen (text-fig. 21)—internal cast fragment

C.P.C. 586a—Figured specimen (Pl. 2, fig. 4, text-figs 22a-c)—external plasticine moulds

NE side of Cape Leveque headland, just below base of big sand dune on which lighthouse stands, Dampier Pen., W.Aust. Leveque Sandstone

Lower Cretaceous (Neocomian)

INOCERAMUS sp. cf. **I. HAASTI**,
Hochstetter, 1864; Skwarko, 1967.

Inoceramus haasti Hochstetter, 1864

Inoceramus sp. cf. *I. haasti* Hochstetter;
Skwarko, 1967b, p. 68, Pl. 10, figs 3, 6.

C.P.C. 5110—Figured specimen (Pl. 10,
fig. 5); C.P.C. 5111—Figured specimen
(Pl. 10, fig. 6)

1.5 km N of Kol. Bismarck Run 5 Photo
5153, Central Highlands, New Guinea
(loc. H25). Maril Shale

Jurassic (Kimmeridgian)

IOTRIGONIA LIMATULA Whitehouse,
1946; Skwarko, 1968.

Iotrigonia limatula Whitehouse, 1946;
Skwarko, 1968, p. 180, Pl. 14, figs 5, 6

C.P.C. 6743—Figured specimen

Portion 129, Parish of Stanwell, about 30
km WSW of Rockhampton, Qld

Lower Cretaceous (Neocomian)

IOTRIGONIA STANWELLENSIS
Skwarko, 1963; 1968.

Iotrigonia stanwellensis Skwarko, 1963a, p.
17, Pl. 1, fig. 8; Skwarko, 1968, Pl. 14,
fig. 7

C.P.C. 6744—Figured specimen

Portion 129, Parish of Stanwell, about 30
km WSW of Rockhampton, Qld

Lower Cretaceous (Neocomian)

IOTRIGONIA (ZALETRIGONIA)
HOEPENI Skwarko, 1963.

Iotrigonia (Zaletrigonia) hoepeni Skwarko,
1963a, p. 18, Pl. 1, figs 10-14, text-fig.
1; 1966, p. 98, Pl. 7, fig. 12

C.P.C. 4647—Holotype (Pl. 1, fig. 13)

C.P.C. 4648—Paratype A (fig. 11)

C.P.C. 4649—Paratype B (fig. 14)

C.P.C. 4914—Figured specimen (fig. 10)

Side of cr. on W edge of Yiyintyi Ra.
32 km NNE of Rosey Cr., N.T. (loc.
TT55)

C.P.C. 4915—Figured specimen (Pl. 1, fig.
10)

19 km NW or WNW of Mitchebo Water-
hole, in headwaters of Fishhole Cr., N.T.
(loc. TT52)

C.P.C. 4927—Figured specimen (text-fig. 1
(1, 4); also 1966, Pl. 7, fig. 12)

C.P.C. 4928—Figured specimen (text-fig. 1
(2))

C.P.C. 4929—Figured specimen (text-fig. 1
(3))

49 km at 260° from northern tip of Fowler
I., N.T. (loc. TT65)

Lower Cretaceous

IOTRIGONIA (ZALETRIGONIA)
NANUTARRAENSIS (Cox, 1961);
Skwarko, 1966.

Pacitrigonia (?) nanutarraensis Cox, 1961,
p. 21, Pl. 3, fig. 1 (q.v.)

Iotrigonia (Zaletrigonia) nanutarraensis
(Cox); Skwarko, 1966, p. 98, text-fig. 6

C.P.C. 3798—Holotype refigured (text-fig.
6)

13 km NNE of The Range hstd, NW
Carnarvon Basin, W.A., lat. 22° 8' S,
long. 115° 26' 30" E (loc. MH4).
Nanutarra Formation

Lower Cretaceous (late Neocomian)

'ISOCYPRINA' FAIRBRIDGEI Cox,
1961.

'Isocyprina' fairbridgei Cox, 1961, p. 23,
Pl. 3, figs 9a-b

C.P.C. 3803—Holotype (internal mould of
left valve)

13.5 km NNE of The Range hstd, Carn-
arvon Basin, W.A. (loc. MH4), lat.
22° 8' S, long. 115° 26' 30" E. Nanutarra
Formation

Lower Cretaceous

ISOGNOMON NOAKESI Skwarko, 1966.

Isognomon noakesi Skwarko, 1966, p. 82,
Pl. 1, figs 18, 19

C.P.C. 4997—Holotype (Pl. 1, fig. 18)

C.P.C. 4998—Paratype (fig. 19)

40 km NW of Bulman, N.T., lat. 13° 24.5' S, long. 134° 09' E (loc. TT64). Unit 2, Coastal Belt

Lower Cretaceous (Late Neocomian)

LIMA HOSSFELDI Skwarko, 1966.

Lima hossfeldi Skwarko, 1966, p. 89, Pl. 4, figs 5-7, ?8, ?9

C.P.C. 4983—Holotype (Pl. 4, fig. 5)

40 km NW of Bulman, N.T., lat. 13° 24.5' S, long. 134° 09' E (loc. TT64). Unit 2, Coastal Belt

C.P.C. 4944—Paratype A (fig. 6)

C.P.C. 4957—Paratype B (fig. 7)

7.2 km W of Mainoru along Mainoru-Maranboy road, 1.5 km N of road, N.T., lat. 14° 03' S, long. 134° 02' E (loc. TT6). Unit 2, Coastal Belt

C.P.C. 4806 (? fig. 8); C.P.C. 4978 (? fig. 9)—Figured specimens

Side of cr. on W ridge of Yiyintyi Ra. 32 km NNE of Rosie Cr., N.T., lat. 15° 56' S, long. 135° 58' E (loc. TT55). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

LIMA MISSIONA Skwarko, 1966.

Lima missiona Skwarko, 1966, p. 89, Pl. 4, fig. 10

C.P.C. 4984—Holotype (Pl. 4, fig. 10)

About 3 km N of Roper Valley Road, about 30 km E of Roper River Mission, N.T., lat. 14° 44' S, long. 134° 59' E (loc. TT5). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

LIMA sp. nov. Skwarko, 1966.

Lima sp. nov. Skwarko, 1966, p. 90, Pl. 4, fig. 4

C.P.C. 4988—Figured specimen

1.9 km N of edge of plateau in cliffs facing Katherine River, across main Yeuralba mine rd, N.T., lat 14° 17' S, long. 132° 45' E (loc. TT49a). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

LIMA sp. Cox, 1961.

Lima sp. Cox, 1961, p. 18, Pl. 2, figs 5, 6.

C.P.C. 3789—Figured specimen (fig. 5)—external of right valve

C.P.C. 3790—Figured specimen (fig. 6)—internal mould of right valve

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" S. Nanutarra Formation

Lower Cretaceous

LITHOPHAGA? sp. Dickins, 1963.

Lithophaga? sp. Dickins, 1963, p. 63, Pl. 8, figs 1-4

C.P.C. 3902—Figured specimen A (figs 3-4); C.P.C. 3903—Figured specimen B (figs 1, 2); C.P.C. 3904—Unfigured specimen

26 km at 120° from Mt Tuckfield, in S part of St George Range, Fitzroy Basin, W.A. Near base of Poole Sandstone

Lower Permian

LOPATINIA(?) sp. Skwarko, 1966.

Lopatinia(?) sp. Skwarko, 1966, p. 72, Pl. 1, fig. 6, text-fig. 2

C.P.C. 4976—Figured specimen

49.2 km at 360° from N tip of Fowler I., N.T., lat. 13° 23' S, long. 135° 01' E (loc. TT65, not YT65 as shown on Pl. 1, fig. 6). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

LUCINA MACROPORUM Cox, 1961.

Lucina macroporum Cox, 1961, p. 25, Pl. 4, figs 1a, b, 2

C.P.C. 3805—Holotype (fig. 2)—external mould of left valve

C.P.C. 3806—Paratype (figs 1a, b)—internal mould of right valve

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

LUCINA sp. aff. **LUCINA** sp. Woods, 1907; Skwarko, 1966.

Lucina sp. Woods, 1907, p. 152, Pl. 24, figs 4, 5

Lucina sp. aff. *Lucina* sp. Woods, Skwarko, 1966, p. 111, Pl. 12, figs 1, 2.

C.P.C. 4779 (fig. 1); S.P.C. 5044 (fig. 2)—Figured specimens

2.4 km SE of abandoned Rosie Creek hstd, N.T., lat. 15° 44' S, long. 135° 40' E (loc. TT35). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

LYCETTIA? sp. Cox, 1961.

Lycettia? sp. Cox, 1961, p. 20, Pl. 2, fig. 9

C.P.C. 3794—Figured specimen (internal mould)

13.4 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation.

Lower Cretaceous

MACCOYELLA aff. **BARKLYI** (Moore, 1870); Cox, 1961.

Avicula barklyi Moore, 1870, p. 246, Pl. 11, figs 1, 2

Maccoyella aff. *barklyi* (Moore); Cox, 1961, p. 16, Pl. 1, fig. 14

C.P.C. 3784—Figured specimen (external mould of left valve)

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

MACCOYELLA aff. **CORBIENSIS** (Moore, 1870); Cox, 1961.

Avicula corbiensis Moore, 1870, p. 246, Pl. 11, fig. 7

Maccoyella aff. *corbiensis* (Moore); Cox, 1961, p. 15, Pl. 1, figs 9-13

C.P.C. 3779 (fig. 9); C.P.C. 3780 (fig. 10); C.P.C. 3781 (fig. 11)—Figured specimens (externals of left valve)

C.P.C. 3783—Figured specimen (fig. 12)—interior of left valve

C.P.C. 3783—Figured specimen (fig. 13)—squeeze from natural mould of interior of left valve

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

MACCOYELLA aff. **MOOREI** (Etheridge, 1892); Cox, 1961.

Pecten moorei Etheridge, 1892, p. 445, Pl. 21, fig. 20

Maccoyella aff. *moorei* (Etheridge); Cox, 1961, p. 17, Pl. 2, figs 2, 3

C.P.C. 3785—Figured specimen (fig. 2)

7.2 km NW of Pyramid Hill, Carnarvon Basin, W.A. Nanutarra Formation

C.P.C. 3786—Figured specimen (fig. 3)

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 20° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

MACCOYELLA **MULLAMANENSIS** Skwarko, 1966.

Maccoyella mullamanensis Skwarko, 1966, p. 77, Pl. 6, fig. 12, text-fig. 5

C.P.C. 4947—Holotype (Pl. 6, fig. 12, text-fig. 5)

Headwaters of Walker R., Blue Mud Bay, N.T., lat. 13° 34' S, long. 135° 29.5' E (loc. TT66). Unit 2, Coastal Belt. (TT66 not included in occurrences on p. 77)

Lower Cretaceous (late Neocomian)

MACCOYELLA **NEOCOMIANA** Skwarko, 1966.

Maccoyella neocomiana Skwarko, 1966, p. 77, Pl. 6, figs 14-17

C.P.C. 4751—Holotype (Pl. 6, fig. 15)

C.P.C. 4752—Paratype A (fig. 16)

C.P.C. 4951—Paratype B (fig. 17)

Side of cr., on western edge of Yiyintyi Ra. 32 km NNE of Rosie Cd., N.T., lat. 15° 25.5' S, long. 135° 42' E (loc. TT55). Unit 2, Coastal Belt

C.P.C. 4952—Paratype C (fig. 14)

About 4 km E of Days Lagoon, Bauhinia Downs, N.T. (loc. TT39). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

MACCOYELLA TRANSITORIA Skwarko, 1966.

Maccoyella transitoria Skwarko, 1966, p. 78, Pl. 6, figs 18-22

C.P.C. 4748—Holotype (Pl. 6, figs 20, 21)

C.P.C. 4750—Paratype A (figs 13, 19)

Tawallah Pocket—26 km from Rosie Cr., bearing 195°, N.T., lat. 15° 56' S, long. 135° 58' E (loc. TT56). Unit 2, Coastal Belt

C.P.C. 4749—Paratype B (fig. 22)

18 km from Rosie Cr., bearing 188°, N.T., lat. 15° 51.5' S, long. 135° 38' E (loc. TT57). Unit 4, Coastal Belt

Lower Cretaceous (late Neocomian)

MACCOYELLA sp. aff. **M. CORBIENSIS** (Moore, 1870); Skwarko, 1967.

Avicula corbiensis Moore, 1870, p. 254, Pl. 11, fig. 7

Maccoyella sp. aff. *M. corbiensis* (Moore); Skwarko, 1967a, p. 15, Pl. 4, fig. 11

C.P.C. 6967—Figured specimen

Mt Everard, Gibson Desert, W.A., lat. 25° 10' 40" S, long. 125° 03' 45" E (loc. A19, locality omitted in text, p. 15)

Lower Cretaceous (Aptian)

MACCOYELLA sp. cf. **M. CORBIENSIS** (Moore, 1870); Skwarko, 1966.

Avicula corbiensis Moore, 1870, p. 254, Pl. 11, fig. 7

Maccoyella sp. cf. *M. corbiensis* (Moore); Skwarko, 1966, p. 74, Pl. 6, figs 1-11,

text-fig. 4. (On plate 6, recorded as *Maccovella corbiensis*.)

C.P.C. 4960 (fig. 1); C.P.C. 4961 (fig. 2); C.P.C. 4962 (fig. 3)—Figured specimens

7.2 km W of Mainoru along Mainoru-Maranboy road, 1.5 km N of road, N.T., lat. 14° 03.5' S, long. 134° 02' E (loc. TT6). Unit 2, Coastal Belt

C.P.C. 4958 (fig. 4, text-fig. 4); C.P.C. 4955 (fig. 5); C.P.C. 4953 (figs 6, 7); C.P.C. 4954 (fig. 8); C.P.C. 4955 (fig. 9); C.P.C. 4956 (fig. 10); C.P.C. 4959 (fig. 11)—Figured specimens

2.4 km SE of abandoned Rosie Creek hstd, N.T., lat. 15° 44' S, long. 135° 40' E (loc. TT35). Unit 6, Coastal Belt

Lower Cretaceous (late Neocomian)

MACCOYELLA sp. cf. **M. REFLECTA** (Moore, 1870); Skwarko, 1967.

Avicula reflecta Moore, 1870

Maccoyella sp. cf. *M. reflecta* (Moore); Skwarko, 1967a, p. 15, Pl. 1, figs 6-8

C.P.C. 6930—Figured specimen (Pl. 1, fig. 6)

C.P.C. 6931—Figured specimen (fig. 7)

C.P.C. 6932—Figured specimen (fig. 8)

Mt Samuel, Gibson Desert, W.A., lat. 25° 45' 55" S, long. 125° 55' 43" E (loc. B6). Bejah Beds

Lower Cretaceous

MACCOYELLA sp. Skwarko, 1966.

Maccoyella sp., Skwarko, 1966, p. 79, Pl. 6, fig. 13

C.P.C. 4945—Figured specimen

Upper Walker R., N.T., lat. 13° 37' S, long. 135° 30' E (loc. TT68). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

MACCOYELLA sp. indet. Skwarko, 1966.

Maccoyella sp. indet. Skwarko, 1966, p. 79, Pl. 6, fig. 23

CPC 4949—Figured specimen

1.6 km W of Ryan Bend Waterhole on Batten Cr., approximately 32 km WSW, from Borroloola, N.T., lat. 16° 08' S, long. 136° 02.5' E (loc. TT21). Unit 6, Coastal Belt

Lower Cretaceous (early Aptian)

(?) **'MACROCALLISTRA' PLANA** (Moore, 1870); Skwarko, 1966.

Myacites planus Moore, 1870, p. 254, Pl. 12, fig. 10

Tancredia plana Moore, 1870, p. 254, Pl. 13, fig. 3

? *'Macrocallistra' plana* (Moore); Skwarko, 1966, p. 113, Pl. 11, figs 14, 15

C.P.C. 4966 (fig. 14); C.P.C. 5024 (fig. 15)—Figured specimens

2.4 km W of Day Lagoon, approx. 30 km W of Borroloola, N.T., lat. 16° 0' S, long. 136° 05' E (loc. TT20). Unit 6, Coastal Belt

Lower Cretaceous (Aptian)

MALAYOMAORICA MALAYOMAORICA (Krumbeck, 1923); Skwarko, 1967.

Aucella malayomaorica Krumbeck, 1923, p. 65, Pl. 2, figs 2-12, 17; Pl. 6, figs 13a, b

Malayomaorica malayomaorica (Krumbeck); Skwarko, 1967b, p. 69, Pl. 10, figs 1, 3

C.P.C. 5016—Figured specimen (Pl. 10, fig. 1); C.P.C. 5107—Figured specimen (fig. 3)

North-facing slopes of Kubor Ra. SW of Kami Village, Central Highlands, New Guinea, lat. 5° 52' S, long. 144° 31' E (loc. R294). Maril Shale

Jurassic

MEGADESMUS (CLEOBIS) GRANDIS Dana, 1847; Runnegar, 1965.

Cleobis grandis Dana, 1847, p. 154

Megadesmus (Cleobis) grandis (Dana); Runnegar, 1965, p. 242, Pl. 14, figs 12, 14; Pl. 15, figs 1-6

C.P.C. 6801—Figured specimen G (Pl. 15, fig. 5)

Below the Big *Strophalosia* Zone, Bowen Basin, Qld, lat. 21° 27' 00" S, long. 148° 30' 3" E. Upper part of Middle Bowen Beds

C.P.C. 6802—Figured specimen D (Pl. 15, fig. 6), lat. 21° 27' 45" S, long. 148° 30' 00" E. Middle part of Middle Bowen Beds

Lower Permian

MEGADESMUS (MEGADESMUS) GRYPHOIDES (de Koninck, 1876); Runnegar, 1965.

Cardiomorpha gryphoides de Koninck, 1876, p. 268, Pl. 18, fig. 4

Megadesmus (Megadesmus) gryphoides (de Koninck); Runnegar, 1965, p. 239, Pl. 12, figs 8-11; Pl. 13, figs 1-10, 12, 13

C.P.C. 6796—Figured specimen B (Pl. 13, figs 2-4)

Homevale hstd, Mt Britton district, Qld. Homevale Beds

C.P.C. 6797a—Figured specimen C (pl. 13, fig. 5)

Bowen district, lat. 20° 55' 45" S, long. 148° 08' 30" E. Lower Bowen Volcanics

C.P.C. 6798—Figured specimen D (Pl. 13, fig. 6)

4 km W of Collaroy hstd, 400 m W of Connors R., St Lawrence area, Qld. Upper part of Lower Bowen Volcanics

C.P.C. 6799—Figured specimen H (Pl. 13, fig. 12)

2.5 km SE of Lizzie Cr. road crossing of Hazelwood Cr., Mt Coolon district. Homevale Beds

C.P.C. 6800—Figured specimen J (Pl. 13, fig. 13)

1.2 km NW of Lizzie Cr. road crossing of Hazelwood Cr., Mt Coolon district, Qld. Upper part of Lower Bowen Volcanics

Permian

MEGADESMUS GRYPHOIDES (de Koninck, 1876); Runnegar, 1966.

Cardiomorpha gryphoides de Koninck, 1876, p. 268, Pl. 18, fig. 4

Megadesmus gryphoides (de Koninck); Runnegar, 1966, p. 375, fig. 1 (H)

C.P.C. 6796—Figured specimen

Homevale hstd, Mt Britton district, Qld.
Homevale Beds

Early Permian

MAGADESMUS sp., Dickins, 193.

Megadesmus sp., Dickins, 1963, p. 45, Pl. 4, figs 1-3

C.P.C. 3880—Figured specimen

10 km SSE of Plant Well, Coordewandy station, Carnarvon Basin, W.A. (loc. WB180). Callytharra Formation

Lower Permian

MELEAGRINELLA cf. **M. SUPERSTES** (Spitz, 1914); Brunnschweiler, 1960.

Meleagrina superstes Spitz, 1914, p. 201, Pl. 18, figs 6, 7

Meleagrinnella cf. *M. superstes* (Spitz); Brunnschweiler, 1960, p. 20, Pl. 1, figs 20, 22, 25, 26, text-figs 15a-d

C.P.C. 579 (Pl. 1, fig. 20, text-fig. 15a); C.P.C. 580 (Pl. 1, figs 25, 26, text-figs 15b, c); C.P.C. 580a (Pl. 1, fig. 22, text-fig. 15d)—Figured specimens

Mt Clarkson, Dampier Pen. W.A. Jowlaenga Formation

Lower Cretaceous (Neocomian)

MERISMOPTERIA sp., Dickins, 1960.

Merismopteria sp., Dickins, 1960, p. 387, Pl. 63, fig. 12

C.P.C. 107—Figured specimen

East end of Steamers Beach, Jervis Bay, N.S.W. Conjola Beds

Lower Permian

MUTIELLA? TEICHERTI Cox, 1961.

Mutiella? teichertii Cox, 1961, p. 25, Pl. 4, fig. 6

C.P.C. 3807—Holotype

C.P.C. 3808—Unfigured paratype

13.7 km NNW of The Range hstd, Carnarvon Basin, W.A. (loc. YM17), lat 22° 8' 50" S, long. 115° 21' 50" E. Nanutarra Formation

Lower Cretaceous

MODIOLUS(?) BROWNI Skwarko, 1966.

Modiolus(?) browni Skwarko, 1966, p. 94, Pl. 5, fig. 14

C.P.C. 4935—Holotype

40 km NW of Bulman, N.T., lat 13° 24.5' S, long. 134° 09' E (loc. TT64). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

MODIOLUS aff. **ENSIFORMIS** (Etheridge, 1902); Cox. 1961.

Modiola ensiformis Etheridge, 1902, p. 22, Pl. 3, figs 8-12

Modiolus aff. *ensiformis* (Etheridge); Cox, 1961, p. 19, Pl. 2, figs 7a, b

C.P.C. 3791—Figured specimen (external mould)

13.5 km NNW of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

MODIOLUS(?) KATHERINEUS Skwarko, 1966.

Modiolus(?) katherineus Skwarko, 1966, p. 95, Pl. 5, fig. 13

C.P.C. 4745—Holotype

2.4 km SE of abandoned Rosie Cr. hstd, N.T., lat. 15° 44' S, long. 135° 40' E (loc. TT35). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

MODIOLUS KONECKII Dickins, 1963.

Modiolus koneckii Dickins, 1963, p. 61,
Pl. 8, figs 6-11, text-fig. 9

C.P.C. 3899—Paratype C (fig. 8)

48 km WNW of Curbur hstd, Carnarvon
Basin, W.A., lat. 26° 22' 00" S, long.
115° 25' 00" E. Callytharra Formation

C.P.C. 3900—Paratype D (fig. 6)

26 km at 120° from Mt Tuckfield, in S part
of St George Range, Fitzroy Basin, W.A.
Near base of Poole Sandstone

Lower Permian

MODIOLUS KONECKII? Dickins, 1963.

Modiolus koneckii? Dickins, 1963, p. 62,
Pl. 8, fig. 5

C.P.C. 3901—Figured specimen

26 km at 120° from Mt Tuckfield, in S part
of St George Range, Fitzroy Basin, W.A.
Near base of Poole Sandstone

Lower Permian

MYONIA CARINATA? (Morris, 1845);
Runnegar, 1967.

Pachydomus carinatus Morris, 1845, p.
273, Pl. 11, fig. 3, not fig. 4

Myonia carinata? (Morris); Runnegar,
1967, p. 52, Pl. 4, figs 11, 12, 13.

C.P.C. 7502—Figured specimen (Pl. 4, fig.
11)

2.4 km SE of Lizzie Cr. rd crossing of
Hazelwood Cr., Bowen Basin, Qld (loc.
MC485). Lower part of Middle Bowen
Beds (Unit A) [Tiverton subgroup of
Back Creek Group]

C.P.C. 7503—Figured specimen (Pl. 4,
figs 12, 13)

1.2 km NW of Lizzie Cr. rd crossing of
Hazelwood Cr., Bowen Basin (loc.
MC479). Upper part of Lower Bowen
Volcanics

Lower Permian

MYONIA CARINELLA Runnegar, 1967.

Myonia carinella Runnegar, 1967, p. 58,
Pl. 4, fig. 10; Pl. 13, figs 5-13

C.P.C. 7501 (a)—Paratype (Pl. 4, fig. 10)

Bowen Basin, Qld, lat. 21° 28' 00" S, long.
148° 31' 15" E (loc. M416). Middle
part of Middle Bowen Beds (Unit B₁)
[Gebbie Subgroup of Back Creek Group]

C.P.C. 7501 (b)—Paratype (Pl. 13, figs
5, 6)

Bowen Basin, lat. 21° 27' 45" S, long. 148°
30' 00" E (loc. M416). Middle part of
Middle Bowen Beds (Unit B₂)

Lower Permian

MYONIA CORRUGATA Fletcher, 1932;
Runnegar, 1967.

Myonia corrugata Fletcher, 1932, p. 404,
Pl. 50, figs 3, 4; Runnegar, 1967; p. 56,
Pl. 6, figs 1-9

C.P.C. 7505—Figured specimen (Pl. 6, fig.
1)

Clermont area, Qld (loc. C1402; not
C145/6 as on plate 6). Upper part of
Middle Bowen Beds (Unit C) [Blenheim
Subgroup of Back Creek Group]

C.P.C. 7506—Figured specimen (Pl. 6, figs
3, 4)

Clermont area, Qld (loc. C1225/1). Upper
part of Middle Bowen Beds (Unit C)

C.P.C. 7507—Figured specimen (Pl. 6, fig.
5)

Clermont area, Qld (loc. C112/1). Upper
part of Middle Bowen Beds (Unit C)

C.P.C. 7508—Figured specimen (Pl. 6, fig.
9)

Clermont area, Qld (loc. C1132/B). Upper
part of Middle Bowen Beds (Unit C)

Lower Permian

MYONIA cf. DAVIDIS Dun, 1932; Hill &
Woods, 1964.

Myonia davidis Dun, 1932, p. 413, Pl. 51,
fig. 4

Myonia cf. davidis Dun; Hill & Woods,
1964, p. 20, Pl. P10, fig. 8

C.P.C. 5173—Figured specimen

400 m E of Homevale hstd, E Bowen Basin,
Qld. Homevale Beds

Lower Permian

MYONIA MORRISII (Etheridge Jnr,
1919); Runnegar, 1967.

Maeonia morrisii Etheridge Jnr, 1919, p.
186, Pl. 28, figs 7, 8

Myonia morrisii (Etheridge Jnr); Runnegar,
1967, p. 53, Pl. 4, figs 3-5; Pl. 5, figs
1-11, 16, 17; Pl. 12, fig. 4

C.P.C. 7498—Figured specimen (Pl. 4, fig.
3)

1.2 km NW of Lizzie Cr. rd crossing of
Hazelwood Cr., Qld (loc. MC479). Upper
part of Lower Bowen Volcanics [Upper
part of Lizzie Creek Volcanics]

C.P.C. 7499—Figured specimen (Pl. 4, figs
4, 5)

Homevale, NW of Nebo, Qld. Homevale
Beds

C.P.C. 7504—Figured specimen (Pl. 5, figs
1, 2)

400 m W of Connors R., 4 km W of
Collaroy hstd, Bowen Basin, Qld (loc.
SL199). Upper part of Lower Bowen
Volcanics

Lower Permian

MYONIA SUBARBITRATA Dickins,
Myonia subarbitrata Dickins, 1963, p. 48,
1963.

Pl. 5, figs 2-12, 22

C.P.C. 3885—Holotype (figs 6, 7)

C.P.C. 3886—Paratype A (figs 8-10)

C.P.C. 3887—Paratype B (figs 11-12)

C.P.C. 3888—Paratype C (figs 2, 3)

C.P.C. 3889—Paratype D (unfigured)

2.6 km SW of Paradise hstd, Fitzroy Basin,
W.A. Nura Nura Member, Poole Sand-
stone

C.P.C. 3390—Paratype E (fig. 4)

About 1 km at 334° from Carynginia No.
1 Well, Irwin R. area, W.A. (loc. BB7).
Fossil Cliff Formation

C.P.C. 4017—Paratype F (figs 5, 22)

Locality uncertain but close to that of holo-
type (loc. W33 (c) 1). Nura Nura Mem-
ber. Poole Sandstone

Lower Permian

MYONIA? SULCATA Runnegar, 1967.

Myonia? sulcata Runnegar, 1967, p. 59, Pl.
7, figs 1-6, 10-14, text-fig. 3A

C.P.C. 7509—Holotype (Pl. 7, figs 1, 14,
text-fig. 3)

C.P.C. 7510—Paratype (Pl. 7, figs 3, 4)

C.P.C. 7511—Paratype (Pl. 7, fig. 5)

C.P.C. 7512—Paratype (Pl. 7, figs 12, 13)

1.2 km NW of Turrawalla-Eungella road
crossing of Hazelwood Cr., Mt Coolon
area, Qld (loc. MC479). Upper part of
Lower Bowen Volcanics. [Upper part of
Lizzie Creek Volcanics]

Lower Permian

MYONIA sp. nov., Dickins, 1963.

Myonia sp. nov. Dickins, 1963, p. 50, Pl.
5, figs 13-19

C.P.C. 3891—Figured specimen E (fig. 18)

9.5 km at 335° from Lyons River hstd,
Carnarvon Basin, W.A. (loc. G202). At
top of exposed Callytharra Formation

Lower Permian

MYONIA sp. nov.? Runnegar, 1967.

Myonia sp. nov.? Runnegar, 1967, p. 55,
Pl. 4, figs 6, 7

C.P.C. 7500—Figured specimen

Bowen Basin, Qld, lat. 21° 28' 00" S, long.
148° 31' 15" E (loc. M415). Middle
part of Middle Bowen Beds. [Gebbie Sub-
group of Back Cr. Group]

Lower Permian (Sakmarian)

MYOPHORA KUUORUENSIS Skwarko, 1967.

Myophora kuuoruensis Skwarko, 1967b, p. 61, Pl. 6, figs 9-12

C.P.C. 5074—Holotype (Pl. 6, figs 10, 11)

C.P.C. 5073—Paratype A (Pl. 6, fig. 9)

C.P.C. 5075—Paratype B (Pl. 6, fig. 12)

7.2 km NE of Tabibuga, Central Highlands, New Guinea (loc. H200). Jimi Greywacke

Triassic (Carnian-Norian)

MYOPHORA STAGGI Skwarko, 1967.

Myophora staggi Skwarko, 1967b, p. 62, Pl. 6, figs 13-16

C.P.C. 5079—Holotype (Pl. 6, fig. 16)

Bombu Cr., Central Highlands, New Guinea (loc. H782). Jimi Greywacke

C.P.C. 5078—Paratype A (Pl. 6, fig. 15)

C.P.C. 5076—Paratype B (fig. 13) (not mentioned in text)

C.P.C. 5077—Paratype C (fig. 14) (not mentioned in text)

5 km NE of Gebal, Central Highlands (loc. H157)

Triassic (Carnian-Norian)

MYOPHORELLA sp. nov. (?), juvenile, Skwarko, 1963.

Myophorella sp. nov. (?), juvenile, Skwarko, 1963a, Pl. 5, figs 6, 7

C.P.C. 4650—Figured specimen (Pl. 5, fig. 6)

C.P.C. 4651—Figured specimen (fig. 7)

Windalia Radiolarite, Carnarvon Basin, W.A. (Exact description of locality lost)

Lower Cretaceous

MYOPHORIOPSIS? sp., Skwarko, 1967.

Myophoriopsis? sp., Skwarko, 1967b, p. 65, Pl. 5, fig. 14

C.P.C. 5063—Figured specimen

19 km E of Tabibuga, Central Highlands, New Guinea (loc. H185). Jimi Greywacke

Triassic (Carnian-Norian)

MYTILUS? sp., Cox, 1961.

Mytilus? sp., Cox, 1961, p. 19, Pl. 2, fig. 10

C.P.C. 3792—Figured specimen

13.5 NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4) lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

MYTILUS(?) sp., Skwarko, 1966.

Mytilus (?) sp., Skwarko, 1966, p. 94, Pl. 5, fig. 12

C.P.C. 4946—Figured specimen

40 km NW of Bulman, N.T., lat. 13° 24.5' S, long. 134° 09' (loc. TT64). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

MYTILUS? sp., Skwarko, 1967.

Mytilus? sp., Skwarko, 1967b, p. 59, Pl. 5, fig. 16

C.P.C. 5062—Figured specimen

19km E of Tabibuga, Central Highlands, New Guinea (loc. H185). Jimi Greywacke

Triassic (Carnian-Norian)

NEITHEA sp. cf. **N. OCCIDENTALIS** (Conrad, 1855); Skwarko, 1966.

Neithea sp. cf. *N. occidentalis* (Conrad); Skwarko, 1966, p. 88, Pl. 4, figs 1-3

C.P.C. 4980 (fig. 1); C.P.C. 4981 (fig. 2); C.P.C. 4982 (fig. 3)—Figured specimens

7.2 km W of Mainoru along Mainoru-Maranboy road, 1.5 km N of road, N.T., lat. 14° 10' S, long. 134° 02' E (loc. TT6). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

NEOSCHIZODUS? MONGUMENSIS Skwarko, 1967.

Neoschizodus? mongumensis Skwarko, 1967b, p. 63, Pl. 6, figs 17-19

C.P.C. 5081—Holotype (Pl. 6, fig. 18)
C.P.C. 5082—Paratype A (fig. 19) (C.P.C.
5082, not 5068 as in text, p. 63)

Bombu Cr., Central Highlands, New Guinea
(loc. H782). Jimi Greywacke

C.P.C. 5080—Paratype B (fig. 17) (C.P.C.
5080, not 5066 as in text, p. 63)

5 km NE of Gebal, Jimi R. area, Central
Highlands (loc. H157). Jimi Greywacke

Triassic (Carnian-Norian)

NEOTRIGONIA NOVAGUINEANA
Skwarko, 1967.

Neotrigonia novaguineana Skwarko, 1967b,
p. 192, Pl. 24, figs 1-3

C.P.C. 6810—Holotype

Urapain, Mt Hagen, Sepik R. area, Central
Highlands, New Guinea

?Lower Pliocene

NOTOTRIGONIA(?) ABERRATA
Skwarko, 1963.

Nototrigonia(?) aberrata Skwarko, 1963a,
p. 31, Pl. 5, fig. 5

C.P.C. 4925—Holotype

2.5 km SE of Rosie Cr. hstd (abandoned),
N.T. (loc. TT35)

Lower Cretaceous (Neocomian)

NOTOTRIGONIA CRESCENTA Skwarko,
1963; 1966.

Nototrigonia crescenta Skwarko, 1963a, p.
29, Pl. 4, fig. 8

Nototrigonia crescenta Skwarko; Skwarko,
1966, p. 101, Pl. 7, fig. 5, text-fig. 7

C.P.C. 4660—Holotype (1963, Pl. 4, fig.
8; refigured 1966, Pl. 7, fig. 5)

2.5 km SE of Rosie Cr. hstd (abandoned),
N.T. (loc. TT35)

C.P.C. 4805—Figured specimen (1966,
text-fig. 7; not holotype as in figure
caption)

Upper Walker R., N.T., lat. 13° 37' S, long.
135° 30' E (loc. TT68). Unit 2, Coastal
Belt

Lower Cretaceous (Neocomian)

NOTOTRIGONIA sp. cf. **N. CINCTUTA**
(Etheridge Jnr, 1902); Skwarko, 1963.

Trigonia cinctuta Etheridge Jnr, 1902, p.
28, Pl. 4, figs 4-6

Nototrigonia sp. cf. *N. cinctuta* (Etheridge
Jnr); Skwarko, 1963a, p. 28, Pl. 3, figs
3-5; 1966, p. 101, Pl. 7, fig. 3 (not Pl.
5, fig. 7 as given in text)

C.P.C. 4919—Figured specimen (1963, Pl.
3, fig. 3)

C.P.C. 4920—Figured specimen (1963, Pl.
3, fig. 4)

C.P.C. 4921—Figured specimens (1963, Pl.
3, fig. 5; 1966, Pl. 7, fig. 13)

1.5 km W of Ryan Bend Waterhole on
Batten Cr. about 30 km at 255° from
Boorooloola, N.T. (loc. TT21)

Lower Cretaceous (Aptian)

NOTOTRIGONIA MINIMA Skwarko,
1963.

Nototrigonia minima Skwarko, 1963a, p.
29, Pl. 3, figs 8-11

C.P.C. 4645—Holotype (Pl. 3, fig. 10)

C.P.C. 4657—Paratype A (Pl. 3, fig. 8)

C.P.C. 4658—Paratype B (Pl. 3, fig. 9)

C.P.C. 4659—Paratype C (Pl. 3, fig. 11)

W margin of Great Artesian Basin, SW Qld

Lower Cretaceous (Aptian, Albian)

NOTOTRIGONIA NIMBOSA Skwarko,
1966.

Nototrigonia nimbosea Skwarko, 1966, p.
101, Pl. 7, figs 7, 9, 10

C.P.C. 5006—Holotype (Pl. 7, figs 9, 10)

C.P.C. 5007—Paratype (fig. 7)

Headwaters of Walker R., N.T., lat. 13°
34' S, long. 135° 29.5' E (loc. TT66).
Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

NOTOTRIGONIA PONTICULA Skwarko,
1963; 1966.

Nototrigonia ponticula Skwarko, 1963a, p.
31, Pl. 5, figs 1-4, text-fig. 3; Skwarko,
1966, p. 102, Pl. 8, fig. 10, text-fig. 8

C.P.C. 4664—Holotype (Pl. 5, fig. 1)

C.P.C. 4665—Paratype A (fig. 4)
 C.P.C. 4666—Paratype B (fig. 3)
 C.P.C. 4924—Figured specimen (fig. 2)
 2.5 km SE of Rosie Cr. hstd (abandoned),
 N.T. (loc. TT35)
 C.P.C. 5005—Figured specimen (1966, Pl.
 8, fig. 10)
 About 23 km E of Roper River Mission,
 N.T., lat 14° 40' S, long. 135° 32.5' E
 (loc. TT46). Unit 2, Coastal Belt

Lower Cretaceous (Neocomian)

NOTOTRIGONIA(?) WALKERI Skwarko, 1966.

Nototrigonia(?) walkeri Skwarko, 1966, p.
 103, Pl. 8, figs 5-7

C.P.C. 5012—Holotype (Pl. 8, fig. 7)

C.P.C. 5010—Paratype A (fig. 5)

C.P.C. 5011—Paratype B (fig. 6)

49.2 km at 260° from tip of Fowler I.,
 N.T., lat. 13° 23' S, long. 135° 01' E
 (loc. TT65). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

NOTOTRIGONIA YEURALBA Skwarko, 1963.

Nototrigonia yeuralba Skwarko, 1963a, p.
 30, Pl. 3, fig. 6; 1966, p. 100, Pl. 7, fig. 6

C.P.C. 4663—Holotype (refigured 1966)

1.9 km N of edge of plateau in cliffs facing
 Katherine R. across main Yeuralba Mine
 Rd, N.T. (loc. TT49). Unit 2, Coastal
 Belt

Lower Cretaceous (late Neocomian)

NOTOTRIGONIA ZETESIANA Skwarko, 1968.

Nototrigonia zetesiana Skwarko, 1968, p.
 175, text-fig. 1

C.P.C. 6143—Holotype (text-fig. 1)

Portion 129, Parish of Stanwell, about 30
 km WSW of Rockhampton, Qld

Lower Cretaceous (late Neocomian)

NOTOTRIGONIA(?) sp. nov., Skwarko, 1963.

Nototrigonia(?) sp. nov., Skwarko, 1963a,
 p. 30, Pl. 3, fig. 14

C.P.C. 4923—Figured specimen

Cliff section between Marinlampi Point and
 Pouplimadourie Cr., S coast of Bathurst
 I., N.T. (loc. TT50)

Upper Cretaceous (Cenomanian)

NUCULA sp. cf. **N. ETHERIDGEI** Ludbrook, 1966; Skwarko, 1967.

Nucula etheridgei Ludbrook, 1966, p. 147,
 Pl. 14, figs 6-8. *Nucula* sp. cf. *N.*
etheridgei Ludbrook; Skwarko, 1967a, p.
 14, Pl. 3, figs 2, 3

C.P.C. 6952—Figured specimen (Pl. 3,
 fig. 2)

C.P.C. 6953—Figured specimen (fig. 3)

Mt Beadle, Gibson Desert, W.A. (loc. 22)

Lower Cretaceous (Aptian)

NUCULANA sp. cf. **N. SEMICRENULATA** Trechman, 1918; Skwarko, 1967.

Leda semicrenulata Trechman, 1918, p.
 191, Pl. 21, fig. 20. *Nuculana* sp. cf.
N. semicrenulata (Trechman); Skwarko,
 1967b, p. 50, Pl. 5, figs 1, 2, text-fig. 6

C.P.C. 5052—Figured specimen (Pl. 5, fig.
 1)

C.P.C. 5053—Figured specimen (fig. 2,
 text-fig. 6)

5 km NE of Gebal, Jimi R. area, Central
 Highlands, New Guinea (loc. H157).
 Jimi Greywacke

Triassic (Carnian-Norian)

NUCULOPSIS (NUCULANELLA) **BANGANAENSIS** Dickins, 1963.

Nuculopsis (Nuculanella) banganaensis
 Dickins, 1963, p. 31, Pl. 1, figs 7-12

C.P.C. 3862—Paratype B (fig. 7)

About 1 km at 334° from Caryinginia No.
 1 Well, Irwin R. area, W.A. Fossil Cliff
 Formation

Lower Permian

NUCULOPSIS (NUCULOPSIS) DARLINGENSIS Dickens, 1963.

Nuculopsis (Nuculopsis) darlingensis
Dickens, 1963, p. 29, Pl. 1, figs 1-6

C.P.C. 3859—Holotype (figs 2-5)

C.P.C. 3860—Paratype A (fig. 6)

About 1 km at 334° from Caryinginia No. 1 Well, Irwin R. area, W.A. Fossil Cliff Formation

C.P.C. 3861—Paratype B (fig. 1)

Locality uncertain but close to KNuA₁, 2.6 km SW of Paradise hstd, lat. 18° 02' 30" S, long. 124° 31' 00" E, Fitzroy Basin, W.A. Nura Nura Member. Poole Sandstone

Lower Permian

OPISTHOTRIGONIA NASUTA (Etheridge Snr, 1872); Skwarko, 1963.

Trigonia nasuta, Etheridge, 1872, p. 339, Pl. 19, figs 2, 2a. *Opisthotrigonia nasuta* (Etheridge Snr); Skwarko, 1963a, p. 23, Pl. 3, fig. 7

C.P.C. 4922—Figured specimen (not listed under figured specimens in text, p. 23) Herrods Tank, Boulia area, SW Qld

Lower Cretaceous (Aptian)

OPISTHOTRIGONIA ROPERI Skwarko, 1963; 1966.

Opisthotrigonia roperi Skwarko, 1963a, p. 24, Pl. 3, figs 12, 13

C.P.C. 4662—Holotype (Pl. 3, figs 12, 13; refigured 1966, Pl. 7, fig. 15)

6.5 km SE of Murenjerro Waterhole, Roper R. area, N.T. (loc. TT42). Unit 2, Coastal Belt

Lower Cretaceous (Neocomian)

ORIOCRASSATELLA STOKESI
Etheridge Jnr, 1907; Dickens, 1963.

Oriocrassatella stokesi Etheridge Jnr, 1907, p. 9, Pl. 6, figs 2-5. *Oriocrassatella stokesi* Etheridge Jnr; Dickens, 1963, not described but mentioned on p. 102, Pl. 18, figs 6-15

C.P.C. 3962—Figured specimen

C.P.C. 3963—Figured specimen

C.P.C. 3964—Figured specimen

C.P.C. 3965—Figured specimen
Treachery Bay, N.T.

Permian

ORIOCRASSATELLA sp., Dickens, 1963.

Oriocrassatella sp., Dickens, 1963, p. 103, Pl. 18, figs 1-5

C.P.C. 3955—Figured specimen A (figs 3, 4); C.P.C. 3956—Figured specimen B (fig. 2); C.P.C. 3957—Figured specimen C (fig. 1)

26 km at 120° from Mt Tuckfield, in S part of St George Range, Fitzroy Basin, W.A. Near base of Poole Sandstone

C.P.C. 3958—Figured specimen D (fig. 5)

Daurie Cr. 1.5 km SE of Monument Bore, Carnarvon Basin, W.A., lat. 25° 35' S, long. 115° 57' E. Callytharra Formation

Lower Permian

OSTREA WOOLNOUGHII Swarko, 1966.

Ostrea woolnoughi Skwarko, 1966, p. 91, Pl. 4, fig. 13

C.P.C. 4987—Holotype

7.2 km W of Mainoru along Mainoru-Maranboy road, 1.5 km N of the road, N.T., lat. 14° 03.5' S, long. 134° 02' E (loc. TT6). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

OSTREA sp., Skwarko, 1967.

Ostrea sp., Skwarko, 1967b, p. 58, Pl. 5, fig. 13

C.P.C. 5086—Figured specimen

8 km NE of Tabibuga, Central Highlands, New Guinea (loc. M26). Jimi Grey-wacke

Triassic (Carnian-Norian)

OSTREA sp. A Skwarko, 1966.

Ostrea sp. A Skwarko, 1966, p. 91, Pl. 4, fig. 11

C.P.C. 4986—Figured specimen

40 km NW of Bulman, N.T., lat. 13° 24.5' S, long. 134° 09' E (loc. TT64). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

OSTREA sp. B Skwarko, 1966.

Ostrea sp. B Skwarko, 1966, Pl. 4, fig. 12

C.P.C. 4985—Figured specimen

2.4 km SE of abandoned Rosie Cr. hstd, N.T., lat. 15° 44' S, long. 135° 40' E (loc. TT35). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

OSTREIDAE gen. et sp. Skwarko, 1966.

Ostreidae gen. et sp. Skwarko, 1966, p. 92, Pl. 3, figs 6, 10

C.P.C. 4979 (fig. 6); C.P.C. 5050 (fig. 10)—Figured specimens

2.4 km SE of abandoned Rosie Cr. hstd, N.T., lat. 15° 44' S, long. 135° 40' E (loc. TT35). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

PACITRIGONIA? NANUTARRAENSIS
Cox, 1961.

Pacitrigonia? nanutaraensis Cox, 1961, p. 21, Pl. 3, fig. 1

C.P.C. 3798—Holotype (external mould of right valve)

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

PALAEOCOSMOMYA sp. nov. Dickins, 1963.

Palaeocosmomya sp. nov. Dickins, 1963, p. 56, Pl. 6, figs 21, 22

C.P.C. 3893—Figured specimen B (fig. 22)

2.6 km SW of Paradise hstd, Fitzroy Basin, W.A. Nura Nura Member, Poole Sandstone

Lower Permian

PALAEOLIMA sp. nov. Dickins, 1963.

Palaeolima sp. nov. Dickins, 1963, p. 92, Pl. 14, figs 13-16

C.P.C. 3934—Figured specimen A (fig. 16)
Fossil Ridge, Irwin R. area, W.A. Fossil Cliff Formation

Lower Permian

?PALAEOMOERA ?MARIAEBURIENSIS (Etheridge Snr, 1872); Skwarko, 1967.

Tellina mariaeburiensis Etheridge Snr, 1872.

?*Palaeomoera ?mariaeburiensis* (Etheridge Snr); Skwarko, 1967a, p. 22, Pl. 4, figs 6, 7, 9

C.P.C. 6964—Figured specimen (Pl. 4, figs 6, 7)

C.P.C. 6965—Figured specimen (fig. 9)

Mt Charles, Gibson Desert, W.A., 2.5 km at 147° from National Mapping Trig. Station, lat. 25° 43' 37" S, long. 126° 10' 32" E (Loc. Be6). Bejah Beds

Lower Cretaceous (Aptian)

PALAEOSOLEN? BADGERAENSIS
Dickins, 1963.

Palaeosolen? badgeraensis Dickins, 1963, p. 57, Pl. 6, figs 1-9

C.P.C. 3894—Holotype (figs 1-3, 5, cast of external impression, a left valve, fig. 4, internal impression of holotype)

About 1 km at 334° from Carynginia (No. 1) Well, Irwin R. area, W.A. Fossil Cliff Formation

C.P.C. 3895—Paratype A (fig. 6)

C.P.C. 3896—Paratype B (fig. 7)

Pintharuka 1-mile Sheet, map co-ordinates 511056, Beckett's Gully, 650 m above rd crossing, Irwin R. area. Fossil Cliff Formation

C.P.C. 3897—Paratype C (fig. 8)

Fossil Ridge, Irwin R. area. Fossil Cliff Formation

C.P.C. 3893—Paratype D (fig. 9)

2.6 km SW of Paradise hstd, Fitzroy Basin, W.A. Nura Nura Member, Poole Sandstone

Lower Permian

PANOPEA ARAFURANA Skwarko, 1967.

Panopea arafurana Skwarko, 1967c, p. 96, Pl. 12, figs 4, 5

C.P.C. 5126—Holotype (Pl. 12, figs 4, 5)

Headwaters of Buiawin R., L. Trist area, near Wau, New Guinea, lat. 7° 26' S, long. 146° 55' E (loc. SF20). Sampa Beds

Lower Cretaceous

PANOPEA GLAESSNERI Cox, 1961.

Panopea glaessneri Cox, 1961, p. 28, Pl. 5, fig. 7; Pl. 6, figs 4a, b

C.P.C. 3824—Holotype (Pl. 6, figs 4a, b)—internal mould

C.P.C. 3825—Paratype (Pl. 5, fig. 7)—internal mould

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4) (lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

PANOPEA ROSIA Skwarko, 1966.

Panopea rosia Skwarko, 1966, p. 115, Pl. 12, figs 1-4

C.P.C. 4774—Holotype (Pl. 12, figs 2, 3)

C.P.C. 4776—Paratype (fig. 4)

2.4 km SE of abandoned Rosie Cr. hstd, N.T., lat. 15° 44' S, long. 135° 40' E. (loc. TT35). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

PANOPEA RUGOSA (Moore, 1870); Brunnschweiler, 1960.

Glycymeris rugosa Moore, 1870, p. 253, Pl. 13, fig. 7

Panopea rugosa (Moore); Brunnschweiler, 1960, p. 32, Pl. 2 (not Pl. 11 as in text), figs 10, 11, 12, text-figs 25, 26a, b.

C.P.C. 588—Figured specimen (internal cast)

Stony Ridge, 3 km S of Broome-Derby Highway, Dampier Pen., W.A. Melligo Quartzite

Lower Cretaceous (Neocomian)

PANOPEA sp. aff. **P. ARAMACENSIS** (Etheridge Jnr, 1892); Skwarko, 1966.

Glycymeris aramacensis Etheridge Jnr, 1892, p. 479, Pl. 28, figs 7, 8

Panopea sp. aff. *P. aramacensis* (Etheridge Jnr); Skwarko, 1966, p. 113, Pl. 12, figs 5, 6 (figs 5, 6, not holotype and paratype respectively as shown on plate 12)

C.P.C. 4963 (fig. 5); C.P.C. 4948 (fig. 6)—Figured specimens

2.4 km SE of abandoned Rosie Cr. hstd, N.T., lat. 15° 44' S, long. 135° 40' E (loc. TT35). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

PANOPEA sp. nov.? Skwarko, 1967.

Panopea sp. nov.? Skwarko, 1967a, p. 22, Pl. 3, figs 8-15

C.P.C. 6954—Figured specimen (Pl. 3, figs 8, 11, 13)

C.P.C. 6956—Figured specimen (fig. 12)

C.P.C. 6958—Figured specimen (figs 14, 15)

Mt Beadell, Gibson Desert, W.A., lat. 25° 32' 44" S, long. 125° 16' 38" E (loc. 22). Bejah Beds

C.P.C. 6955—Figured specimen (figs 9, 10)

15.1 km at 199° from Mt Beadell, Gibson Desert (loc. B5). Bejah Beds

Lower Cretaceous (Aptian)

PANOPEA sp. cf. **P. MACCOYI** (Moore, 1870); Skwarko, 1966.

Mya maccoyi, Moore, p. 253, Pl. 13, fig. 8

Panopea sp. cf. *P. maccoyi* (Moore); Skwarko, 1966, p. 114, Pl. 12, figs 11, 12

C.P.C. 5039 (fig. 11); C.P.C. 5040 (fig. 12)—Figured specimen

18 km from Rosie Cr. bearing 188°, N.T., lat. 15° 51.5' S, long. 135° 38' E (loc. TT57). Unit 4, Coastal Belt

Lower Cretaceous (Neocomian-Aptian)

PANOPEA sp. cf. **P. SULCATA** Etheridge
Snr, 1872; Skwarko, 1966.

Panopea sulcata Etheridge, 1872, p. 342,
Pl. 21, fig. 2a (not fig. 2). *Panopea* sp.
cf. *P. sulcata* Etheridge Snr; Skwarko,
1966, p. 115, Pl. 12, figs 9, 10

C.P.C. 4778—Figured specimen

18 km from Rosie Cr., bearing 188°, N.T.,
lat. 15° 51.5'S, long. 135° 38' E. (loc.
TT57). Unit 4, Coastal Belt

Lower Cretaceous (Neocomian-Aptian)

PANOPEA YIYINTYIA Skwarko, 1966.

Panopea yiyintyia Skwarko, 1966, p. 116,
Pl. 12, figs 7, 8

C.P.C. 4777—Holotype

Side of cr. on W edge of Yiyintyi Range,
32km NE of Rosie Cr., N.T., lat. 15°
25.5'S, long. 135° 42' E (loc. TT55).
Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

PARAESA ANTICHTHONA Skwarko,
1966.

Paraesa antichthona Skwarko, 1966, p.
112, Pl. 1, figs 11-13

C.P.C. 5030—Holotype (Pl. 11, fig. 12)

C.P.C. 5019—Paratype A (fig. 13)

C.P.C. 5028—Paratype B (fig. 11)

49.2 km at 260° from northern tip of
Fowler I., N.T., lat. 13° 23' S, long. 135°
01' E. (loc. TT65). Unit 2, Coastal Belt

Lower Cretaceous

PARAESA NEOCOMIANA Skwarko,
1966.

Paraesa neocomiana Skwarko, 1966, p.
113, Pl. 11, figs 1-6

C.P.C. 4769—Holotype (Pl. 11, fig. 1)

C.P.C. 4770—Paratype A (fig. 2)

C.P.C. 4771—Paratype B (fig. 3)

C.P.C. 5034—Paratype C (fig. 4)

C.P.C. 4972—Paratype D (fig. 5)

C.P.C. 4935—Paratype E (fig. 6)

2.4 km SE of abandoned Rosie Cr. hstd,
N.T., lat. 15° 44' S, long. 135° 40' E
(loc. TT35). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

PARALLELONDON BIMODOLIRATUS
Dickins, 1963.

Parallelodon bimodoliratus Dickins, 1963,
p. 40, Pl. 3, figs 6-14

C.P.C. 3878—Paratype F (fig. 10)

48 km WNW of Curbur hstd, Carnarvon
Basin, W.A. (loc. WB2266) lat. 26° 22'
00" S, long. 115° 25' 00" E. Callytharra
Formation

Lower Permian

PARALLELONDON sp., Hill & Woods,
1964.

Parallelodon sp., Hill & Woods, 1964, p.
20, Pl. 10, figs 3, 4

C.P.C. 5170 (fig. 3); C.P.C. 5171 (fig. 4)
—Figured specimens

About 5 km E of junction of Sandy Cr. and
Bowen R., N Bowen Basin, Qld. Man-
tuan Formation, upper Middle Bowen
Beds [= Blenheim Subgroup of Back
Creek Group]

Lower Permian

PELECYPODA genera indet., Skwarko,
1966.

Pelecypoda genera indet., Skwarko, 1966,
p. 119, Pl. 11, figs 7-10

C.P.C. 4772 (fig. 7); C.P.C. 5036 (fig. 8);
C.P.C. 4773 (fig. 9); C.P.C. (fig. 10)—
Figured specimens

2.4 km SE of abandoned Rosie Cr hstd,
lat. 15° 44' S, long. 135° 40' E (loc.
TT35). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

PERMOPHORUS? HASTATUS Skwarko,
1967.

Permophorus? hastatus, Skwarko, 1967b, p.
66, Pl. 9, figs 1, 3

C.P.C. 5099—Holotype (Pl. 9, fig. 3)

5 km W of Gebal, Jimi R. area, Central Highlands, New Guinea (loc. H176). Jimi Greywacke

C.P.C. 5098—Paratype (Pl. 9, fig. 1)

Between Gibal and Bubutunga, Central Highlands (loc. H575). Jimi Greywacke

Triassic (Carnian-Norian)

PLEUROMYA ASHBURTONENSIS Cox, 1961.

Pleuromya ashburtonensis Cox, 1961, p. 28, Pl. 5, fig. 5

C.P.C. 3823—Holotype (internal mould)

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

PLEURIKODONTA ELEGANS Runnegar, 1966.

Astartila (Pleurikodonta) elegans Runnegar, 1965, p. 247, Pl. 15, figs 17-19, 21-26

Pleurikodonta elegans Runnegar; Runnegar, 1966, p. 375, fig. 1 (J)

C.P.C. 5183—Holotype refigured

Near Exmor hstd, 53 km SE of Collinsville, Qld, lat. 20° 57' 00" S, long. 148° 08' 00" E. Upper part of Middle Bowen Beds

Early late Permian

PLICATULA TOWNLEYI Skwarko, 1966.

Plicatula townleyi Skwarko, 1966, p. 90, Pl. 5, figs 21-23

C.P.C. 4989—Holotype (Pl. 5, fig. 21)

C.P.C. 4991—Paratype A (fig. 23)

C.P.C. 4990—Immature specimen (fig. 22)

40 km N of Bulman, N.T., lat. 13° 24.5' S, long. 134° 09' E (loc. TT64). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

PHESTIA DARWINI (de Koninck, 1877); Dickins, 1963.

Tellinomya darwini de Koninck, 1877, p. 147, Pl. 16, fig. 9

Phestia darwini (de Koninck); Dickins, 1963, p. 38, Pl. 2, figs 4-11.

C.P.C. 3873—Figured specimen A (figs 5-8); C.P.C. 3874—Figured specimen B (fig. 11); C.P.C. 3875—Figured specimen C (fig. 9); C.P.C. 3876—measured specimen

2.6 km SW of Paradise hstd, Fitzroy Basin, W.A. (KNuA₁), lat. 18° 02' 30" S, long. 124° 31' 00" E. Nura Nura Member, Poole Sandstone

C.P.C. 3877—Figured specimen E (fig. 10)

Locality uncertain but close to above (loc. W33C(1))

Lower Permian

PHESTIA LYONSENSIS (Dickins, 1956); Dickins, 1963.

Nuculana lyonsensis Dickins, 1956, p. 8, Pl. 1, figs 7-9

Phestia lyonsensis (Dickins); Dickins, 1963, p. 37, Pl. 2, figs 12-18.

C.P.C. 3868—Figured specimen A (figs 13-15); C.P.C. 3869—Figured specimen (figs 17-18); C.P.C. 3870—Figured specimen C (fig. 16); C.P.C. 3871—measured specimen

2.6 km SW of Paradise hstd, Fitzroy Basin, W.A. (KNuA₁), lat. 18° 02' 30" S, long. 124° 31' 00" E. Nura Nura Member, Poole Sandstone

C.P.C. 3872—Figured specimen D (fig. 12)

Locality uncertain but close to above (loc. W33C(1)). Nura Nura Member, Poole Sandstone

Lower Permian

PINNA PACIFICA Skwarko, 1967.

Pinna pacifica Skwarko, 1967c, p. 93, Pl. 12, figs 11, 12

C.P.C. 5132—Holotype (Pl. 12, figs 11, 12)

Headwaters of Buiawim R., L. Trist area, near Wau, New Guinea, lat. 7° 26' S, long. 146° 55' E (loc. SF20). Sampa Beds

Lower Cretaceous

PLAGIOSTOMA? sp. nov. Dickins, 1963.

Plagiostoma? sp. nov. Dickins, 1963, p. 93, Pl. 15, figs 1-5

C.P.C. 3935—Figured specimen A (fig. 1)

9.5 km at 335° from Lyons R. hstd, Carnarvon Basin, W.A. At top of exposed Callytharra Formation

C.P.C. 3936—Figured specimen B (fig. 5)

Beckett's Gully, 1-Mile Sheet, Map coordinates 511056, Irwin R. area, W.A. Fossil Cliff Formation

C.P.C. 3937—Figured specimen C (figs 2, 3)

Fossil Ridge, Irwin R. area. Fossil Cliff Formation

C.P.C. 3938—Figured specimen D (fig. 4)

About 1 km W of Callytharra Springs, Carnarvon Basin, 12.5 m above base of Callytharra Formation

Lower Permian

PRAEUNDULOMYA SUBELONGATA Dickins, 1963.

Praeundulomya subelongata Dickins, 1963, p. 54, Pl. 6, figs 15-30, text-fig. 8

C.P.C. 3892—Paratype B (fig. 20)

Fossil Cliff, Irwin R. area, W.A. Fossil Cliff Formation

Lower Permian

PROTocardia WAPETI Cox, 1961.

Protocardia wapeti Cox, 1961, p. 26, Pl. 4, figs 3, 4a, b, 5

C.P.C. 3809—Holotype (figs 4a, b)

C.P.C. 3810—Paratype (fig. 5) (interior mould of right valve)

C.P.C. 3813 (not 3811 as in text)—Paratype (fig. 3), exterior mould of right valve

C.P.C. 3811, 3812—Unfigured paratypes

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

PROTocardia sp., Cox, 1961.

Protocardia sp. Cox, 1961, p. 26, Pl. 4, figs 7a, b

C.P.C. 3814—Figured specimen (internal mould of right valve)

C.P.C. 3815—Unfigured specimen

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4) (lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

PSEUDAVICULA ANOMALA (Moore, 1870); Cox, 1961.

Lucina anomala Moore, 1870, p. 251, Pl. 14, fig. 4. *Pseudavicula anomala* (Moore); Cox, 1961, p. 18, Pl. 2, figs 4a, b

C.P.C. 3788—Figured specimen (left valve)

13.7 km NNW of The Range hstd, Carnarvon Basin, W.A. (loc. YM17) lat. 22° 8' 50" S, long. 115° 21' 50" E. Nanutarra Formation

Lower Cretaceous

'PSEUDAVICULA ANOMALA' (Moore, 1870); Skwarko, 1967

Lucina anomala Moore, 1870, p. 251, Pl. 4, fig. 4. *Pseudavicula anomala* (Moore); Skwarko, 1967a, p. 16, 2, figs 11-18

C.P.C. 6941—Figured specimen (Pl. 2, fig. 11)

C.P.C. 6943—Figured specimen (figs 13, 14)

18 km 130° from Bejah Hill, Gibson Desert, W.A. (loc. 40)

C.P.C. 6942—Figured specimen (fig. 12)

Mt Everard, Gibson Desert, lat. 25° 10' 40" S, long. 125° 03' 45" (loc. 19)

C.P.C. 6944—Figured specimen (fig. 15)

11.7 km at 355° from Lake Gruszka, Gibson Desert (loc. B4). Bejah Beds

C.P.C. 6945—Figured specimen (fig. 16)

15 km at 199° from Mt Beadell (Mt Beadell, lat. 25° 32' 44" S, long. 125° 16' 38" E), Gibson Desert (loc. B5). Bejah Beds

C.P.C. 6946—Figured specimen (fig. 17)

Mt Charles, Gibson Desert (loc. 12D)

C.P.C. 6947—Figured specimen (fig. 18)

Mt Charles Gravity Station 4-2804, Gibson Desert, lat. 25° 44' 48" S, long. 126° 11' 28" E (loc. BT2)

Lower Cretaceous (Aptian)

PSEUDAVICULA DICKINSI Skwarko, 1966.

Pseudavicula dickinsi Skwarko, 1966, p. 80, Pl. 5, figs 1-5

C.P.C. 4746—Holotype (Pl. 5, fig. 1)

C.P.C. 4747—Paratype A (fig. 4)

C.P.C. 4936—Paratype B (fig. 2)

C.P.C. 4937—Paratype C (fig. 3)

C.P.C. 4938—Paratype D (fig. 5)

2.4 km SE of abandoned Rosie Cr. hstd, N.T., lat. 15° 44' S, long. 135° 40' E (loc. TT35). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

PSEUDOMYALINA sp., Dickins, 1963.

Pseudomyalina sp., Dickins, 1963, p. 69, Pl. 10, figs 10-15

C.P.C. 3915—Figured specimen A (figs 11-13); C.P.C. 3916—Figured specimen B (fig. 10)

9.5 km at 335° from Lyons R. hstd, Carnarvon Basin, W.A. At top of exposed Callytharra Formation

Lower Permian

PTEROTRIGONIA AUSTRALIENSIS Cox, 1961.

Pterotrigonía australiensis Cox, 1961, p. 22, Pl. 3, figs 2-5

C.P.C. 3799—Holotype (fig. 4) (Vinagel squeeze from natural mould of exterior of right valve)

C.P.C. 3800—Paratype A (fig. 3) (natural mould, right valve)

C.P.C. 3801—Paratype B (fig. 5) (natural mould of left valve)

C.P.C. 3802—Paratype C (fig. 2) (internal mould)

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

PTEROTRIGONIA (RINETRIGONIA) AUSTRALIENSIS Cox, 1961; Skwarko, 1963.

Pterotrigonía (Rinetrigonía) australiensis Cox, 1961, p. 22, Pl. 3, figs 2-5, Skwarko, 1963a, p. 22, Pl. 2, fig. 1 (specimen not described)

C.P.C. 4916—Figured specimen (Pl. 2, fig. 1)

Nanutarra Formation, north-east Carnarvon Basin, W.A.

Lower Cretaceous

PTEROTRIGONIA (RINETRIGONIA) CAPRICORNIA Skwarko, 1963; 1966; 1968.

Pterotrigonía (Rinetrigonía) capricornia Skwarko, 1963a, p. 21, Pl. 2, figs 2-8; 1966, p. 99, Pl. 7, figs 11, 14; 1968, p. 173, Pl. 14, figs 9, 12

C.P.C. 4652—Holotype (Pl. 2, fig. 2)

C.P.C. 4653—Paratype A (fig. 3)

C.P.C. 4654—Paratype B (figs 5, 6)

C.P.C. 4655—Paratype C (fig. 8)

C.P.C. 4917—Figured specimen (fig. 4)

C.P.C. 4918—Figured specimen (fig. 7)

C.P.C. 6745—Figured specimen (1968, Pl. 14, figs 9, 12)

2.5 km SE of Rosie Cr. hstd (abandoned), N.T. (loc. TT35)

C.P.C. 5003 (1966, Pl. 7, fig. 11); C.P.C. 5004 (fig. 14)—Figured specimens

49.2 km at 260° from northern tip of Fowler I., N.T., lat. 13° 23' S, long. 135° 01' E. Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

PTEROTRIGONIA (RINETRIGONIA) VERRUCOSA Skwarko, 1968.

Pterotrigonia (Rinetrigonia) verrucosa Skwarko, 1968, p. 172, Pl. 12, figs 1-6; Pl. 14, figs 8-11

C.P.C. 6140—Holotype (Pl. 12, fig. 6)

C.P.C. 6141—Paratype (Pl. 12, figs 1, 2)

C.P.C. 6412—Paratype (Pl. 12, figs 3-5)

Portion 129, Parish of Stanwell, about 30 km WSW of Rockhampton, Qld

Lower Cretaceous (late Neocomian)

PYRAMUS CONCENTRICUS? (Etheridge Snr, 1872); Runnegar, 1967.

Edmondia concentrica Etheridge Snr, 1872, p. 328, Pl. 13, fig. 2

Pyramus concentricus? (Etheridge Snr); Runnegar, 1967, p. 42, Pl. 3, figs 7-11, 13; Pl. 4, fig. 1

C.P.C. 7495—Figured specimen (Pl. 3, figs 8, 9)

4 km W of Collaroy hstd, about 1.2 km W of Connors R., Qld (loc. SL199). Upper part of Lower Bowen Volcanics [=Upper part of Lizzie Creek Volcanics]

C.P.C. 7497—Figured specimen (Pl. 4, fig. 1) (not mentioned in text, p. 42)

1.9 km at 329° from Stanleighs hstd, Springsure area, Qld (loc. SP408/2). Stanleigh Formation

Lower Permian (lower Artinskian)

PYRAMUS MYIFORMIS Dana, 1847; Runnegar, 1967.

Pyramus myiformis Dana, 1847, p. 157; 1849, Pl. 6, figs 4a-c; Runnegar, 1967, p. 37, Pl. 2, figs 11-18; Pl. 3, fig. 1

C.P.C. 7494—Figured specimen (juvenile) (Pl. 2, fig. 13)

3.2 km at 188° from Tanderra hstd, Springsure area, Central Qld. Mantuan *Productus* Bed, Peawaddy Formation

Upper Permian

PYRAMUS sp. Runnegar, 1967.

Pyramus sp. Runnegar, 1967, Pl. 3, fig. 12

C.P.C. 7496—Figured specimen (not mentioned in text)

11 km N of Warwick hstd, St Lawrence, Qld (loc. DU424). Middle part of Middle Bowen Beds [Gebbie Subgroup of Back Creek Group]

Lower Permian

QUADRATONUCULA AUSTRALIENSIS Dickins, 1963.

Quadratonucula australiensis Dickins, 1963, p. 33, Pl. 1, figs 16-24, text-fig. 7

C.P.C. 3864—Holotype (figs 21-22)

About 1 km at 334° from Carynginia (No. 1) Well, Irwin R. area, W.A. Fossil Cliff Formation

C.P.C. 3864—Paratype A (figs 18-20)

C.P.C. 3865—Paratype B (figs 16-17)

C.P.C. 3866—Paratype C (fig. 24)

C.P.C. 3867—Paratype D (fig. 23)

Becketts Gully, 650 m above rd crossing, Irwin R. area, W.A. Pintharuka 1-mile Sheet Map co-ordinates 511056. Fossil Cliff Formation

Lower Permian

QUENSTEDTIA sp. nov. aff. **Q. RODBORENSIS** (Lycett, 1875); Brunnschweiler, 1960.

Trigonia rodborensis Lycett, 1875

Quenstedtia sp. nov. aff. *Q. rodborensis* (Lycett); Brunnschweiler, 1960, p. 23, Pl. 2 (not 21 as in text), figs 1, 2, text-figs 17, 18a, b

C.P.C. 582 (Pl. 2, fig. 2, text-fig. 17);
C.P.C. 583 (Pl. 2, fig. 1, text-figs 18a,
b)—Figured specimens

Mt Clarkson, Dampier Pen., W.A. Jow-
laenga Formation

Lower Cretaceous (Neocomian)

SCHIZODUS FITZROYENSIS Dickins,
1963.

Schizodus fitzroyensis Dickins, 1963, p.
100, Pl. 17, figs 10-19, text-fig. 12a

C.P.C. 3945—Holotype (figs 14-17)

C.P.C. 3946—Paratype A (figs 18-19, text-
fig. 12a)

C.P.C. 3947—Paratype B (fig. 12)

C.P.C. 3948—Paratype C (fig. 11)

C.P.C. 3949—Paratype D (fig. 10)

26 km at 120° from Mt Tuckfield, in S part
of St George Range, Fitzroy Basin, W.A.
Near base of Poole Sandstone

C.P.C. 3950—Paratype E (fig. 13)

Locality uncertain but apparently 2.6 km
SW of Paradise hstd, Fitzroy Basin, W.A.
lat. 18° 02' 30" S, long. 124° 31' 00" E.
Nura Nura Member, Poole Sandstone

Lower Permian

SCHIZODUS SANDIMANENSIS Dickins,
1963.

Schizodus sandimanensis Dickins, 1963, p.
101, Pl. 17, figs 1-9, text-fig. 12b

C.P.C. 3951—Paratype A (fig. 6)

Carynginia Gully, about 1 km at 334° from
Carynginia (No. 1) Well, Irwin R. area,
W.A. Fossil Cliff Formation

C.P.C. 3952—Paratype B (fig. 2, text-fig.
12b)

C.P.C. 3952—Paratype G (fig. 9)

26 km at 120° from Mt Tuckfield S part of
St George Range, Fitzroy Basin, W.A.
Near base of Poole Sandstone

C.P.C. 3954—Paratype D (fig. 1)

2.6 km SW of Paradise hstd, Fitzroy Basin,
lat. 18° 02' 30" S, long. 124° 31' 00" E.
Nura Nura Member, Poole Sandstone

Lower Permian

SCHIZODUS sp. Dickins, 1963.

Schizodus sp. Dickins, 1963, p. 102, Pl. 17,
fig. 20

C.P.C. 4018—Figured specimen

26 km at 120° from Mt Tuckfield, S part
of St George Range, Fitzroy Basin, W.A.
At base of Poole Sandstone

Lower Permian

SCHIZODUS sp. Hill & Woods, 1964.

Schizodus sp. Hill & Woods, 1964, p. 24,
Pl. P12, fig. 5

C.P.C. 5181—Figured specimen

1.6 km SE of Caringinyah hstd, E Bowen
Basin, Qld. Lower Middle Bowen Beds
[= Tiverton Subgroup of Back Creek
Group]

Lower Permian

STREBLOPTERIA ENGELHARDTI
(Etheridge & Dun, 1906) Hill & Woods,
1964.

Aviculopecten engelhardti Etheridge & Dun,
1906, p. 17, Pl. 9, figs 6-11

Streblopteria engelhardti (Etheridge &
Dun); Hill & Woods, 1964, p. 22, Pl. 11,
fig. 18

C.P.C. 5177—Figured specimen

400 m E of Homevale hstd, E Bowen Basin,
Qld, Homevale Beds

Lower Permian

STREBLOPTERIA sp. Dickins, 1963.

Streblopteria sp. Dickins, 1963, p. 88, Pl.
14, figs 9-12

C.P.C. 3932—Figured specimen A (fig. 12)

26 km at 120° from Mt Tuckfield, S part
of St George Range, Fitzroy Basin, W.A.
Near base of Poole Sandstone

C.P.C. 3933—Figured specimen C (fig. 9)

650 m E of Mt Sandiman Woolshed, 400
to 800 m N of Mt Sandiman/Merlinleigh
road. First ridge of Callytharra
Formation

Lower Permian

STUTCHBURIA COSTATA (Morris, 1845); Hill & Woods, 1964.

Stutchburia costata Morris, 1845, p. 273, Pl. 11, figs 1, 2; Dickins, 1964, p. 25, Pl. P12, fig. 2

C.P.C. 5178—Figured specimen

5 km S of Mt. Lebanon hstd, central Bowen Basin, Qld. Middle Bowen Beds [= Gebbie Subgroup of Back Creek Group]

Lower Permian

STUTCHBURIA HOSKINGAE Dickins, 1963.

Stutchburia hoskingae Dickins, 1963, p. 98, Pl. 15, figs 16-23

C.P.C. 3944—Paratype B (fig. 17)

Limestone band in Becketts Gully, Irwin R., area, W.A., just below Round Hill. Fossil Cliff Formation

Lower Permian

SYNCYCLONEMA GIBSONIA Skwarko, 1967.

Syncyclonema gibsonia Skwarko, 1967a, p. 17, Pl. 1, figs 1-3

C.P.C. 6925—Holotype (Pl. 1, fig. 1)

C.P.C. 6926—Paratype A (fig. 2)

C.P.C. 6927—Paratype B (fig. 3)

13 km at 227° from Mt Everard, Gibson Desert, W.A. (loc. 21A) (Mt Everard, lat. 25° 10' 40" S, long. 125° 03' 45" E)

Lower Cretaceous

SYNCYCLONEMA TERRITORIANUM Skwarko, 1966.

Syncyclonema territorianum Skwarko, 1966, p. 83, Pl. 1, figs 13-17

C.P.C. 4754—Holotype (Pl. 1, fig. 14)

C.P.C. 4753—Paratype A (fig. 13)

7.2 km W of Mainoru, along Mainoru-Maranboy road, 1.5 km N of road, N.T., lat. 14° 03.5' S, long. 134° 02' E (loc. TT6). Unit 2, Coastal Belt

C.P.C. 4971—Paratype B (figs 15, 16)

2.4 km SE of abandoned Rosie Creek hstd, N.T., lat. 15° 44' S, long. 135° 40' E (loc. TT35). Unit 2, Coastal Belt

C.P.C. 4755—Paratype C (fig. 17)

About 8 km SE of Coronet Hill mine, 3 km due E of southern tip of Little Mary Waterhole, N.T., lat. 13° 46' S, long. 132° 24' E (loc. TT40). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

TANCREdia PLANA Moore, 1870; Skwarko, 1967.

Tancredia plana Moore, 1870, p. 254, Pl. 13, fig. 13; Skwarko, 1967a, p. 20, Pl. 3, figs 1, 4-7

C.P.C. 6948—Figured specimen (Pl. 3, figs 1, 4)

Mt Samuel, Gibson Desert, W.A., lat. 25° 45' 55" S, long. 125° 55' 43" E (loc. B6). Bejah Beds

C.P.C. 6949—Figured specimen (figs 5, 6) 18 km at 130° from Bejah Hill, Gibson Desert (loc. 40)

C.P.C. 6951—Figured specimen (fig. 7)

Mt Charles (Gravity Station 4-2804, Gibson Desert, lat. 25° 44' 48" S, long. 126° 11' 28" E (loc. B6, not mentioned in text, p. 20). Bejah Beds

Lower Cretaceous (Aptian)

TATELLA spp. aff. **T. (?) APTIANA** Whitehouse, 1925; Skwarko, 1966.

Tatella (?) aptiana Whitehouse, 1925, p. 33

Tatella spp. aff. *Tatella (?) aptiana* (Whitehouse); Skwarko, 1966, p. 111, Pl. 10; figs 5-9 (plate 10, (?) *Tatella (?) aptiana* should read *Tatella* spp. aff. *T. (?) aptiana*)

C.P.C. 5016 (Pl. 10, fig. 5); C.P.C. 5018 (fig. 6); C.P.C. 5017 (fig. 7)—Figured specimens

1.6 km W of Ryan Bend Waterhole on Batten Cr., N.T., 32 km WSW of Borrooloola, lat. 16° 08' S, long. 136° 02' E (loc. TT21). Unit 2

Lower Cretaceous (Aptian)

C.P.C. 4967 (fig. 8); C.P.C. 4968 (fig. 9)
—Figured specimens

10 km N of edge of plateau in cliffs facing
Katherine R., across main Yeuralba mine
road, N.T., lat. 14° 17' S, long. 132°
43' E (loc. TT49a). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

TEREDO sp. Cox, 1961.

Teredo sp. Cox, 1961, p. 29, Pl. 6, fig. 1;
? Pl. 5, fig. 6

C.P.C. 3826—Figured specimen (Pl. 6,
fig. 1)

C.P.C. 3827—Figured specimen (? Pl. 5,
fig. 6)

13.5 km NNE of The Range hstd, Carnar-
von Basin, W.A. (loc. MH4), lat. 22°
8' S, long. 115° 26' 30" S. Nanutarra
Formation

Lower Cretaceous

TEREDO(?) sp. Skwarko, 1966.

Teredo(?) sp. Skwarko, 1966, p. 116, text-
fig. 10

C.P.C. 4810—Figured specimen

Side of Cr. on western edge of Yiyintyi
Range, 32 km NE of Rosie Cr., N.T.,
lat. 15° 25.5' S, long. 125° 42' E (loc.
TT55). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

?THRACIA PRIMULA Hudleston, 1890;
Skwarko, 1966.

Thracia primula Hudleston, 1890, p. 243,
Pl. 9, fig. 7

?*Thracia primula* (Hudleston); Skwarko,
1966, p. 117, Pl. 13, fig. 3

C.P.C. 5041—Figured specimen

2.4 km W of Day Lagoon, approximately
30 km W of Boorooloola, N.T., lat.
16° 06' S, long. 136° 05' E (loc. TT20).
Unit 6, Coastal Belt

Lower Cretaceous (early Aptian)

TRIGONIA(?) MARUMBIANA Skwarko,
1966.

Trigonia(?) marumbiana Skwarko, 1966,
p. 96, Pl. 7, fig. 1

C.P.C. 5002—Holotype

40 km NW of Bulman, N.T., lat. 13° 24.5'
S, long. 134° 09' E (loc. TT64). Unit 2,
Coastal Belt

Lower Cretaceous (late Neocomian)

TRIGONIA(?) MIRIANA Skwarko, 1963.

Trigonia(?) miriana Skwarko, 1963a, p. 14,
Pl. 1, figs 2, 3

C.P.C. 4643—Holotype

Miria Marl, Carnarvon Basin, W.A.
(Exact locality lost)

Upper Cretaceous (Campion to Maestrichtian)

TRIGONIA MOOREI Lycett, 1870;
Skwarko, 1963.

Trigonia moorei Lycett, 1870, in Moore, p.
254, Pl. 14, figs 9, 10; Skwarko, 1963a,
p. 13, Pl. 1, fig. 1

C.P.C. 4913—Figured specimen

Geraldton District, W.A.

Middle Jurassic (Bajocian)

TRIGONIA? SAMPANA Skwarko, 1967.

Trigonia? sampana Skwarko, 1967c, p. 94,
Pl. 12, figs 6-9

C.P.C. 5128—Holotype (Pl. 12, fig. 7)

C.P.C. 5127—Paratype A (fig. 6)

C.P.C. 5129—Paratype B (fig. 8)

C.P.C. 5130—Paratype C (fig. 9)

Headwaters of Buiawim R., L. Trist area
near Wau, New Guinea, lat. 7° 26' S,
long. 146° 55' E (loc. SF20). Sampa Beds

Lower Cretaceous

TRIGONIA VERTISTRIATA Skwarko,
1963; 1966.

Trigonia vertistriata Skwarko, 1963a, p. 15,
Pl. 1, figs 4-6; 1966, p. 97, Pl. 7, fig. 2

C.P.C. 4644—Holotype (Pl. 1, fig. 4)

C.P.C. 4645—Paratype A (fig. 5)

C.P.C. 4646—Paratype B (fig. 6; refigured 1966, Pl. 7, fig. 2)

2.5 km SE of Rosie Creek hstd (abandoned), N.T., lat. 15° 44' S, long. 135° 40' E (loc. TT35). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

TRIGONIA sp. A, Cox, 1961.

Trigonia sp. A, Cox, 1961, p. 21, Pl. 3, figs 6, 7

C.P.C. 3795 (fig. 6); C.P.C. 3796 (fig. 7)—Figured specimens (exteriors of 2 left valves)

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

TRIGONIA sp. B, Cox, 1961.

Trigonia sp. B, Cox, 1961, p. 21, Pl. 3, fig. 8

C.P.C. 3897—Figured specimen

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

TRIGONIA sp. Skwarko, 1967.

Trigonia sp. Skwarko, 1967c, p. 24, Pl. 12, fig. 1

C.P.C. 5123—Figured specimen

Headwaters of Buiawim R., L. Trist area, near Wau, Central Highlands, New Guinea, lat. 7° 26' S, long. 146° 55' E (loc. SF20). Sampa Beds

Lower Cretaceous

TRIGONIA (?) sp. nov. Skwarko, 1963.

Trigonia (?) sp. nov. Skwarko, 1963a, p. 15, Pl. 1, fig. 7; 1966, p. 97, Pl. 7, fig. 3

C.P.C. 4661—Figured specimen (1963a, Pl. 1, fig. 7; refigured 1966, Pl. 7, fig. 3)

6.5 km SE of Murrenjerro Waterhole, Roper R. area, N.T. (loc. TT42)

Lower Cretaceous (Neocomian)

TRIGONUCULA sp. Dickins & McTavish, 1963.

Trigonucula sp. Dickins & McTavish, 1963, p. 129, Pl. 2, figs 5-6

C.P.C. 4671—Figured specimen, Pl. 2, fig. 5, internal impression; fig. 6, external impression

Beagle Ridge (BMR 10) Bore, Perth Basin, W.A., core 27, at 2494-2504 ft. Kockatea Shale

Lower Triassic

VACUNELLA CURVATA (Morris, 1845); Runnegar, 1967.

Allorisma curvatum Morris, 1845, p. 270, Pl. 10, fig. 1

Vacunella curvata (Morris); Runnegar, 1967, p. 63, Pl. 7, figs 15, 16; Pl. 8, figs 1-9; Pl. 9, figs 15-16, 17?; Pl. 11, fig. 14?; Pl. 12, figs 9-10, text-fig. 3 C (not given on p. 63)

C.P.C. 7513 (Pl. 8, figs 1, 2); C.P.C. 7514 (Pl. 8, figs 3, 4)—Figured specimens

Clermont area, Qld (loc. C112/1). Upper part of Middle Bowen Beds. [= Blenheim Subgroup of Back Creek Group]

C.P.C. 7357—Figured specimen (Pl. 8, fig. 5) (not mentioned in text)

Clermont area, Qld (loc. C125/1). Upper part of Middle Bowen Beds (Unit C)

Lower Upper Permian

VACUNELLA? DAWSONENSIS Runnegar, 1967.

Vacunella? dawsonensis Runnegar, 1967, p. 73, Pl. 11, figs 1-8; Pl. 13, figs 1-4

C.P.C. 7358—Paratype (not Holotype as given on Pl. 11 (fig. 5))

C.P.C. 7519—Paratype (figs 3, 4)

8 km E of Baralaba, Dawson Valley, Qld (C.P.C. 7358, loc. Ba814), (C.P.C. 7519, loc. Ba321). Upper part of Barfield Formation

C.P.C. 7520—Paratype (Pl. 11, fig. 8)

Lonesome Cr. Road, 12.2 km from Theodore Post Office, Dawson Valley. Flat Top Formation

Lower Permian

VACUNELLA ETHERIDGEI (de Koninck, 1876); Runnegar, 1967.

Sanguinolites etheridgei de Koninck, 1876, p. 262, Pl. 17, fig. 2 (not Pl. 16, fig. 2)

Vacunella etheridgei (de Koninck); Runnegar, 1967, p. 67, Pl. 9, figs 1-12, 13?, 14, text-fig. 3B (not mentioned in text)

C.P.C. 7515—Figured specimen (Pl. 9, fig. 1)

8 km at 263° from Ingelara hstd, Qld. Ingelara Formation

C.P.C. 7516 (figs 6, 7); C.P.C. 7517 (figs 8-11, text-fig. 3B); C.P.C. 7518 (fig. 14)—Figured specimens

Lat. 21° 28' 00" S, long. 148° 31' 15" E, Qld (loc. M415). Middle part of Middle Bowen Beds (Unit B1) [= Gebbie Subgroup of Back Creek Group]

Lower Permian (upper Artinskian)

VACUNELLA? sp. nov. A Runnegar, 1967.

Vacunella? sp. nov. A, Runnegar, 1967, p. 72, Pl. 11, figs 9-11, text-fig. 3E (not mentioned in text, p. 72)

C.P.C. 7521—Figured specimen (Pl. 11, fig. 9, text-fig. 3E)

1.2 km N of Lizzie Cr. road crossing of Hazelwood Cr., Mt Coolon area, Qld (loc. MC479). Upper part of Lower Bowen Volcanics [= Upper part of Lizzie Creek volcanics]

C.P.C. 7522 (fig. 10); C.P.C. 7523 (fig. 11)—Figured specimens

Lat. 20° 55' 45" S, long. 148° 08' 30" E, Qld (loc. B686). Lower Part of Middle

Bowen Beds. [= Tiverton Subgroup of Back Creek Group]

Lower Permian (Sakmarian)

NEOTRIGONIA HOWITTI (McCoy, 1875); Skwarko, 1967.

Trigonia howitti McCoy, 1875, p. 316, Pl. 18D

Neotrigonia howitti (McCoy); Skwarko, 1967b, p. 192, Pl. 24, figs 4, 5

C.P.C. 6811 (Pl. 24, fig. 4); C.P.C. 6812 (fig. 5)—Figured specimens

Muddy Cr., Hamilton, Victoria

Lower Pliocene (not Miocene as given on Pl. 24)

VENILICARDIA(?) PARSONSIA Skwarko, 1966.

Venilicardia(?) parsonsia Skwarko, 1966, p. 109, Pl. 10, figs 1, 2

C.P.C. 5032—Holotype (Pl. 10, fig. 2)

C.P.C. 5033—Paratype (fig. 1)

49.2 km at 260° from northern tip of Fowler I., N.T., lat. 13° 23' S, long. 135° 01' E (loc. TT65). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

VENILICARDIA sp. nov. Skwarko, 1966.

Venilicardia sp. nov. Skwarko, 1966, p. 110, Pl. 10, figs 3, 4

C.P.C. 5027—Figured specimen (fig. 3) (not Holotype of a named species)

C.P.C. 5026—Figured specimen (fig. 4) (not paratype of a named species)

2.4 km SE of abandoned Rosie Creek hstd, N.T., lat. 15° 44' S, long. 135° 40' E (loc. TT35). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

YOLDIA FREYTAGI Ludbrook, 1966; Skwarko, 1967.

Yoldia freytagi Ludbrook, 1966, p. 148, Pl. 14, figs 13, 14; Skwarko, 1967a, p. 15, Pl. 1, figs 4, 5

C.P.C. 6928—Figured specimen (Pl. 1, fig. 4)

11.7 km at 355° from Lake Gruszka, Gibson Desert, W.A. (loc. B4). Bejah Beds

C.P.C. 6929—Figured specimen (fig. 5)

Mt Samuel, Gibson Desert, lat. 24° 45' 55" S, long. 125° 55' 43" E (loc. B6). Bejah Beds

Lower Cretaceous (Aptian)

Genus indeterminate cf. **HOMOMYA** Agassiz, 1843; Brunschweiler, 1960.

Genus indeterminate cf. *Homomya* (Agassiz); Brunschweiler, 1960, p. 33, Pl. 2 (not Pl. 11, as in text), fig. 7, text-fig. 27

C.P.C. 589—Figured specimen (Plasticine cast)

White Cliffs, N of Fraser River, Dampier Pen., W.Aust. Melligo Quartzite

Lower Cretaceous (Neocomian)

GENUS indet. sp. nov. Skwarko, 1966.

Genus indet. sp. nov. Skwarko, 1966, p. 118, Pl. 13, figs 4, 5

C.P.C. 4780 (fig. 4); C.P.C. 4781 (fig. 5)—Figured specimens

1.6 km W of Ryan Bend Waterhole, on Batten Cr., approximately 32 km WSW from Borroloola, N.T., lat. 16° 08' S, long. 135° 02.5' E (loc. TT21). Unit 6, Coastal Belt

Lower Cretaceous (early Aptian)

Cephalopoda

All specimens of ammonites from the Commonwealth Palaeontological Collection described by Arkell (Arkell & Playford, 1954) were lost in transit from England to Canberra. The locality of some specimens is uncertain but it is known that the collection came from the Geraldton District, Perth Basin, W.Aust. All were Middle Jurassic in age and came from the Newmarracarra Limestone.

AUSTRALICERAS sp. nov. aff. **A. JACKI** (Etheridge Jnr) 1880; Skwarko, 1966.

Crioceras jacki Etheridge Jnr, 1880; p. 305, Pl. 17, figs 55-58

Australiceras sp. nov. aff. *A. jacki* (Etheridge jnr); Skwarko, 1966, p. 123, Pl. 14, fig. 13

C.P.C. 4789—Figured specimen

About 3.2 km ESE from loc. TT16, lat. 14° 35' S, long. 133° 13.5' E, N.T., lat. 14° 36' S, long. 133° 15' E (loc. TT17). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

BELEMNOPSIS cf. **B. ALFURICA** (Boehm, 1907); Brunschweiler, 1960.

Belemnites alfurica Boehm, 1907, p. 56, Pl. 8, figs 4, 7-11

Belemnopsis cf. *B. alfurica* (Boehm); Brunschweiler, 1960, p. 7, Pl. 1, fig. 5, text-fig. 2

Specimen lost in fire, April 1953

Langey Crossing, Lower Fitzroy R., Dampier Pen., W.A. Langey Beds

Late Upper Jurassic

BELEMNOPSIS cf. **B. AUCKLANDICA** (Hochstetter, 1863); Brunschweiler, 1960.

Belemnites aucklandica Hochstetter, 1863, p. 129, fig. 1

Belemnopsis cf. *B. aucklandica* (Hochstetter); Brunschweiler, 1960, p. 5, Pl. 1, fig. 9, text-fig. 1

Specimen lost in fire, April, 1953

Langey Crossing, Lower Fitzroy R., Dampier Pen., W.A. Langey Beds

Late Upper Jurassic

DIMITOBELUS CANHAMI (Tate, 1879-1880); Skwarko, 1966.

Belemnites canhami Tate, 1880 (1879), p. 104, Pl. 4, figs 2a-c

Dimitobelus canhami (Tate); Skwarko, 1966, p. 124, Pl. 15, figs 13, 14

C.P.C. 4800 (fig. 13); CPC 4801 (fig. 14)
—Figured specimens

About 20 km E of Seigals Creek hstd, N.T.,
lat. 17° 39' S, long. 137° 46' E (loc. TT60). Unit 2, Coastal Belt

Lower Cretaceous (Albian)

DIMITOBELUS(?) YOUNGENSIS
Skwarko, 1966.

Dimitobelus(?) youngensis Skwarko, 1966,
p. 125, Pl. 15, figs 1-6, 12

C.P.C. 4790—Holotype (Pl. 15, fig. 1)

C.P.C. 4794—Paratype A (fig. 6)

C.P.C. 4791—Paratype B (fig. 2)

C.P.C. 4803—Paratype C (fig. 3)

C.P.C. 4804—Paratype D (fig. 12)

C.P.C. 4792—Paratype E (fig. 4)

C.P.C. 4793—Paratype F (fig. 5)

Side of Cr. on W edge of Yiyintyi Ra., 32
km NNE of Rosie Cr., N.T., lat. 15°
25.5' S, long. 135° 42' E (loc. TT55).
Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

FONTANNESIA CLARKEI (Crick) var.
ETHERIDGEI (Whitehouse), 1924,
Arkell & Playford, 1954.

Dorsetensia etheridgei Whitehouse, 1924,
p. 9

Fontannesia clarkei (Crick) var. *etheridgei*
(Whitehouse); Arkell & Playford, 1954,
p. 565, Pl. 29, figs 1, 2

F.21078—Figured specimen (Pl. 29, fig. 1)
—Specimen lost in transit

Locality uncertain

Middle Jurassic

FONTANNESIA WHITEHOUSEI Arkell
& Playford, 1954.

Fontannesia whitehousei Arkell & Playford,
1954, p. 566, Pl. 29, figs 3-8; Pl. 30, figs
5, 6, text-fig. 3

F.21081—Holotype (Pl. 29, fig. 8)—Speci-
men lost in transit

Locality uncertain, Newmarracarra Lime-
stone

Middle Jurassic

GLYPTOPHICERAS? sp. indet. Dickins &
McTavish, 1963.

Glyptophraceras? sp. indet. Dickins &
McTavish, 1963, p. 138, Pl. 2, fig. 9

C.P.C. 4690—Figured specimen

Beagle Ridge (BMR 10) Bore, Perth,
Basin, W.A., core 33 at 3105-3115 ft,
Kockatea Shale

Lower Triassic

KOSSMATIA cf. **K. TENUISTRIATA**
(Gray, 1830); Brunnenschweiler, 1960.

Ammonites tenuistriata Gray, 1830. (See
Uhlig, 1903-1910, p. 267, Pl. 91, figs
3a-b)

Kossmatia cf. *K. tenuistriata* (Gray);
Brunnenschweiler, 1960, p. 8, Pl. 1, figs 3,
4, text-fig. 3

Specimens lost in fire, April 1953

Langey Crossing, Lower Fitzroy R.,
Dampier Pen., W.A., Langey Beds

Late Upper Jurassic

KOSSMATIA sp. aff. **K. TENUISTRIATA**
(Gray, 1830); Brunnenschweiler, 1960.

Kossmatia sp. aff. *K. tenuistriata* (Gray);
Brunnenschweiler, 1960, p. 9, Pl. 1, figs 1,
2, text-fig. 4

Specimen lost in fire, April 1953

Langey Crossing, Lower Fitzroy R.,
Dampier Pen., W.A. Langey Beds

Late Upper Jurassic

LITHANCYLUS AUSTRALIS Day, 1967.

Lithancylus australis Day, 1967, p. 19, Pl.
2, figs 1-5, text-fig. 2

C.P.C. 7742—Holotype (Pl. 2, figs 1-2)

C.P.C. 7743—Paratype (Pl. 2, figs 3-5)
About 1.5 km NW of Olga Downs hstd, N
Eromanga Basin, Qld (loc. GAB883).
Doncaster Member, Wilgunya Formation

Lower Cretaceous (late Aptian)

OPHICERAS (DISCOPHICERAS) cf.
SUBKYOKTICUM Spath, 1930; Dickins
& McTavish, 1963.

Ophiceras (Lytophiceras) subkyokticum
Spath, 1930, p. 27, Pl. 5, figs 4-8; Pl. 6,
figs 3-8

Ophiceras (Discophiceras) cf. *subkyokticum*
(Spath); Dickins & McTavish, 1963, p.
134, Pl. 2, fig. 10, text-fig. 4

C.P.C. 4686—Figured specimen
Beagle Ridge (BMR 10) Bore, Perth Basin,
W.Aust., core 30 at 2802-2812 ft.
Kockatea Shale

Lower Triassic

OTOITES ANTIPODUS Arkell & Play-
ford, 1954.

Otoites antipodus Arkell & Playford, 1954,
p. 570, Pl. 30, fig. 8; Pl. 31, figs 5, 6; Pl.
32, fig. 1

F.21093 (C.P.C. 2348)—Holotype (Pl. 31,
figs 6a-d). Specimen lost in transit

Mount Hill, 48 km SE of Geraldton, Perth
Basin, W.Aust. Newmarracarra Lime-
stone

Middle Jurassic

?OTOITES AUSTRALIS (Crick, 1894);
Arkell & Playford, 1954.

Ammonites (Stephanoceras) australe Crick,
1894, p. 391, Pl. 12, figs 4a, b

? *Otoites australis* (Crick); Arkell &
Playford, 1954, p. 571, Pl. 31, figs 1-4

F.21099—Figured specimen (Pl. 31, fig.
2). Specimen lost in transit

Locality uncertain. Newmarracarra Lime-
stone

Middle Jurassic

OTOITES WOODWARDI (Crick, 1894);
Arkell & Playford, 1954.

Ammonites (Sphaeroceras) woodwardi
Crick, 1894, p. 433, Pl. 12, figs 6a, b

Otoites woodwardi (Crick); Arkell &
Playford, 1954, p. 569, Pl. 30, figs 9-12

F.21089—Figured specimen (Pl. 30, fig.
11). Specimen lost in transit

Mount Hill, 48 km SE of Geraldton, Perth
Basin, W.Aust. Newmarracarra Lime-
stone

F.21091—Figured specimen (Pl. 30, fig.
12)—Specimen lost in transit

Locality uncertain. Newmarracarra Lime-
stone

Middle Jurassic

PALTECHIOCERAS? sp. Skwarko, 1967.
Paltechioceras? sp. Skwarko, 1967b, p. 69,
Pl. 10, fig. 2

C.P.C. 5108—Figured specimen
Koro R. headwaters, Central Highlands,
New Guinea (loc. H549). Balimbu
Greywacke

Lower Jurassic (Sinemurian-Pliensbachian)

PERATOBELUS ?BAUHINIANUS
Skwarko, 1966.

Peratobelus ?bauhinianus Skwarko, 1966,
p. 124, Pl. 15, figs 7-11

C.P.C. 4795—Holotype (Pl. 15, fig. 7)

C.P.C. 4797—Paratype A (fig. 9)

C.P.C. 4799—Immature specimen (fig. 11)

2.4 km W of Day Lagoon, approximately
30 km W of Borrooloola, N.T., lat.
16° 06' S, long. 136° 05' E (loc. TT20).
Unit 6

C.P.C. 4796—Paratype B (fig. 8)

C.P.C. 4798—Paratype C (fig. 10)

1.6 km W of Ryan Bend Waterhole on
Batten Cr., approximately 32 km WSW
of Borrooloola, N.T., lat. 16° 08' S, long.
136° 05.5' E (loc. TT21). Unit 6, Coastal
Belt

Lower Cretaceous (Aptian)

PSEUDOTOITES BRUNNSCHWEILERI Arkell & Playford, 1954.

Pseudotoites brunnschweileri Arkell & Playford, 1954, p. 576, Pl. 36, figs 3, 4

F.21128 (C.P.C. 2349)—Holotype (Pl. 36, fig. 4). Specimen lost in transit

Western Hill, Landslide area, 12 km S of Round Hill, Geraldton District, Perth Basin, W.Aust. Newmarracarra Limestone

Middle Jurassic

?PSEUDOTOITES CHAMPIONENSIS (Crick, 1894) or **PSEUDOTOITES LEICARTI** (Neumayr, 1885); Arkell & Playford, 1954.

Ammonites (Perisphinctes) championensis Crick, 1894, p. 436, Pl. 13, figs 2a, b, c

Pseudotoites championensis (Crick); Arkell & Playford, 1954, p. 574, Pl. 32, fig. 4; Pl. 33, fig. 1

Stephanoceras leicharti Neumayr, 1885, p. 140; Pl. 1, fig. 4

Pseudotoites leicharti (Neumayr); Arkell & Playford, 1954, p. 573, Pl. 32, figs 2, 3; Pl. 33, figs 2-4

F.21107 (Pl. 33, fig. 3); F.21108 (Pl. 33, fig. 2)—Figured specimens. Specimens lost in transit

Locality uncertain. Newmarracarra Limestone

Middle Jurassic

PSEUDOTOITES EMILIOIDES Arkell & Playford, 1954.

Pseudotoites emilioides Arkell & Playford, 1954, p. 576, Pl. 34, fig. 5; Pl. 37, figs 3, 4

F.21102—?Paratype (Pl. 37, fig. 4). Specimens lost in transit

Mount Hill, 48 km SE of Geraldton, Perth Basin, W.Aust. Newmarracarra Limestone

Middle Jurassic

PSEUDOTOITES FASCICULATUS Arkell & Playford, 1954.

Pseudotoites fasciculatus Arkell & Playford, 1954, p. 573, Pl. 36, figs 1, 2; Pl. 37, fig. 2

F.21124—Paratype (Pl. 36, fig. 2). Specimens lost in transit

Locality uncertain. Newmarracarra Limestone

Middle Jurassic

PSEUDOTOITES ROBIGINOSUS (Crick, 1894); Arkell & Playford, 1954.

Ammonites (Perisphinctes) robiginosus Crick, 1894, p. 438, Pl. 13, figs 3a, b

Pseudotoites robiginosus (Crick); Arkell & Playford, 1954, p. 574, Pl. 34, fig. 2; Pl. 35, fig. 2

F.21110—Figured specimen (Pl. 34, fig. 2; Pl. 35, fig. 2)—Specimen lost in transit

Mt Hill, 48 km SE of Geraldton, Perth Basin, W.A. Newmarracarra Limestone

Middle Jurassic

SANMARTINICERAS? sp. Skwarko, 1967.

Sanmartinoceras? sp. Skwarko, 1967a, p. 23, Pl. 4, fig. 5

C.P.C. 6963—Figured specimen

Mt William Lambert, Gibson Desert, W.A., lat. 25° 24' 05" S, long. 124° 05' 6" E (National Mapping Trig. Station) (loc. 46)

Lower Cretaceous (Aptian)

SIRENITES sp. **S. MALAYICUS** Welter, 1914; Skwarko, 1967.

Sirenites malayicus Welter, 1914, p. 164. Pl. 28, figs 1-3

Sirenites sp. cf. *S. malayicus* (Welter); Skwarko, 1967b, p. 68, Pl. 9, fig. 7

C.P.C. 5105—Figured specimen

2.4 km S of Bubultunga, Central Highlands, New Guinea (loc. H607). Jimi Greywacke

Triassic (Carnian-Norian)

SUBINYOITES KASHMIRICUS (Diener, 1913); Dickins & McTavish, 1963.

Inyoites kashmiricus Diener, 1913, p. 21, Pl. 3, figs 8a-c, 9

Subinyoites kashmiricus (Diener); Dickins & McTavish, 1963, Pl. 2, figs 11-12, text-fig. 5

C.P.C. 4687—Figured specimen A (Pl. 2, fig. 11)

C.P.C. 4688—Figured specimen B (fig. 12, text-fig 5)

Beagle Ridge (BMR 10) Bore, Perth Basin, W.A., core 28 at 2614-2624 ft. Kockatea Shale

Lower Triassic

TROPIDOCERAS? sp. Skwarko, 1967.

Tropidoceras? sp. Skwarko, 1967b, p. 70, Pl. 10, fig. 4

C.P.C. 5109—Figured specimen

4 km N of Mongum, Central Highlands, New Guinea (loc. H558). Balimbu Grey-wacke

Lower Jurassic (Sinemurian-Pliensbachian)

ZEMISTEPHANUS ARMATUS Arkell & Playford, 1954.

Zemistephanus armatus Arkell & Playford, 1954, p. 581, text-fig. 8

F.21133 (C.P.C. 2350)—Holotype (text-fig. 8)—Specimen lost in transit

1810 m due S of Moonyoonooka hstd, Geraldton District, Perth Basin, W.A. Newmarracarra Limestone

Middle Jurassic

Gastropoda

'ACTEONINA' AUSTRALIENSIS Cox, 1961.

'Acteonina' australiensis Cox, 1961, p. 35, Pl. 7, figs 12a-d

C.P.C. 4026—Figured specimen (internal mould)

13.7 km NNW of The Range hstd, Carnarvon Basin, W.A. (loc. YM17), lat. 22° 8' 50" S, long. 115° 21' 5" E. Nanutarra Formation

Lower Cretaceous

AMPHITROCHUS? sp. Skwarko, 1967.

Amphitrochus? sp. Skwarko, 1967c, p. 97, Pl. 12, figs 14-16

C.P.C. 5134 (figs 14, 16); C.P.C. 5135 (fig. 15)—Figured specimens

Headwaters of Buiawim R., Lake Trist area, near Wau, New Guinea, lat. 7° 26' S, long. 146° 55' E (loc. SF20). Sampa Beds

Lower Cretaceous

ANISUS ARLTUNGAE McMichael, 1968.

Anisus altungae McMichael, 1968, p. 145, Pl. 11, fig. 1

C.P.C. 6900—Holotype

Arltunga airstrip, N.T., near Alice Springs (loc. NT423). Arltunga Beds

Tertiary

'APORRHAI'S' sp. A Cox, 1961.

'Aporrhais' sp. A Cox 1961, p. 34, Pl. 7

C.P.C. 4022—Figured specimen (internal mould)

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

'APORRHAI'S' sp. B Cox, 1961.

'Aporrhais' sp. B Cox, 1961, p. 34, Pl. 7, fig. 8

C.P.C. 4023—Figured specimen (internal mould)

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

BELLEROPHON FORMANI Dickins, 1963.

Bellerophon formani Dickins, 1963, p. 111, Pl. 19, figs 14-22

C.P.C. 3966—Holotype (figs 20-22)

C.P.C. 3967—Paratype A (fig. 19)

C.P.C. 3968—Paratype B (fig. 16)

C.P.C. 3969—Paratype C (figs 14, 15)

C.P.C. 3970—Paratype D (unfigured)

C.P.C. 3971—Paratype E (figs 17, 18)

26 km at 120° from Mt Tuckfield, in S part of St George Range, Fitzroy Basin, W.A. Near base of Poole Sandstone

Lower Permian

BEMBEXIA sp. Hill & Woods, 1964.

Bembexia sp. Hill & Woods, 1964, p. 24, Pl. 12, fig. 19

C.P.C. 5186—Figured specimen

Lat. 20° 48' S, long. 147° 41' E, N Bowen Basin, Qld. Glendoo Member of Collinsville Coal Measures

Lower Permian

BOTHRIEMBRYON PRAECURSOR McMichael, 1968.

Bothriembryon praecursor McMichael, 1968, p. 149, Pl. 11, figs 7-9

C.P.C. 6906—Holotype (fig. 7)

C.P.C. 6907—Paratype 1 (not figured)

C.P.C. 6708—Paratype 2 (fig. 8)

6.5 km ENE of Deep Well hstd, near Alice Springs, N.T. (loc. Rd21)

C.P.C. 6909—Paratype 3 (fig. 9)

18 km NE of Deep Well hstd, near Alice Springs, N.T. (loc. NT409)

Tertiary

CELLANA(?) CARPENTARIANA

Skwarko, 1966.

Cellana(?) carpentariana Skwarko, 1966, p. 120, Pl. 14, fig. 11

C.P.C. 4788—Holotype

Side of cr. on edge of Yiyintyi Range, 32 km NNE of Rosie Cr., N.T., lat. 15° 25.5' S, long. 135° 42' E (loc. TT55). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

CINULIA sp. cf. **C. HOCHSTETTERI** (Moore, 1870); Skwarko, 1966.

Actaeon hochstetteri Moore, 1870, p. 256, Pl. 10, fig. 19

Cinulia sp. cf. *C. hochstetteri* (Moore); Skwarko, 1966, p. 122, Pl. 14, figs 1, 2

C.P.C. 5046 (fig. 1); C.P.C. 5047 (fig. 2)
—Figured specimens

2.4 km SE of abandoned Rosie Cr. hstd, N.T., lat. 15° 44' S, long. 135° 40' E (loc. TT35). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

DIODORA(?) GALEA Skwarko, 1966.

Diodora(?) galea Skwarko, 1966, p. 119, Pl. 14, fig. 10

C.P.C. 4787—Holotype

Side of cr. on W edge of Yiyintyi Range, 32 km NNE of Rosie Cr., N.T., lat. 15° 25.5' S, long. 135° 42' E (loc. TT55). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

EUPHEMITES WYNNENSIS Dickins, 1963.

Euphemites wynnensis Dickins, 1963, p. 107, Pl. 21, figs 1-9

C.P.C. 3986—Holotype (figs 4-6)

C.P.C. 3987—Paratype A (fig. 2)

C.P.C. 3988—Paratype B (figs 8, 9)

C.P.C. 3989—Paratype C (fig. 7)

C.P.C. 3990—Paratype D (fig. 3)

2.6 km SW of Paradise hstd, Fitzroy Basin, W.A., lat. 18° 02' 30" S, long. 124° 31' E. Nura Nura Member, Poole Sandstone C.P.C. 3991—Paratype E (fig. 1, plasticine squeeze)
?same locality as holotype. Nura Nura Member, Poole Sandstone

Lower Permian

EUSPIRA REFLECTA (Moore, 1870); Skwarko, 1967.

Natica reflecta Moore, 1870, p. 256, Pl. 10, fig. 21

Euspira reflecta (Moore); Skwarko, 1967a, p. 23, Pl. 4, figs 3, 4, 8

C.P.C. 6961—Holotype (Pl. 4, fig. 3)

Mt Samuel, Gibson Desert, W.A., lat. 25° 45' 35" S, long. 125° 55' 43" E (loc. B6). Bejah Beds

C.P.C. 6962—Holotype (figs 4, 8)

10.8 km at 153° from Mt Charles, Gibson Desert (loc. Be7). ? Kidson Beds

Lower Cretaceous (Aptian)

GABBIA sp. McMichael, 1968.

Gabbia sp. McMichael, 1968, p. 138, Pl. 10, figs 3, 4

C.P.C. 6890 (fig. 3); C.P.C. 6891 (fig. 4) —Figured specimens

1.2 km SE of Pulchara Well, Eridunda, N.T. (loc. K6)

Tertiary

GLOBULARIA sp. A Cox, 1961.

Globularia sp. A Cox, 1961, p. 34, Pl. 7, fig. 10

C.P.C. 4024—Figured specimen (internal mould)

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

GLOBULARIA sp. B Cox, 1961.

Globularia sp. B Cox, 1961, p. 35, Pl. 7, figs 9a, b

C.P.C. 4025—Figured specimen (internal mould)

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

GYRAULUS CHAPMANI McMichael, 1968.

Gyraulus chapmani McMichael, 1968, p. 143, Pl. 10, figs 9, 10, 13

C.P.C. 6895—Holotype (fig. 9)

C.P.C. 6896—Paratype (fig. 9a)

C.P.C. 6897—Paratype (fig. 9b)

C.P.C. 6898—Paratype (fig. 10)

21 km ESE of Todd River hstd, N.T. (loc. AS235)

C.P.C. 6899—Paratype (fig. 13)

24 km SE of Todd River hstd (loc. AS234)

Tertiary

ISIDORELLA sp. McMichael, 1968.

Isidorella sp. McMichael, 1968, p. 148, Pl. 1, fig. 6

C.P.C. 6905—Figured specimen

6.5 km S of Alcoota hstd, N.T. (loc. NT424)

Tertiary

MERACOMELON LLOYDI McMichael, 1968.

Meracomelon lloydi McMichael, 1968, p. 151, Pl. 11, figs 10-14

C.P.C. 6910—Holotype (fig. 10)

18 km NE of Deep Well hstd, SE of Alice Springs, N.T. (loc. NT409)

C.P.C. 6911—Paratype 1 (not figured)

11 km NE of Deep Well hstd (loc. NT407)

C.P.C. 6912—Paratype 2 (figs 11-13)

C.P.C. 6913—Paratype 3; CPC 6914—
Paratype 4 (not figured)

1.5 km SE of Riversleigh hstd, Qld (loc.
Q12)

C.P.C. 6915—Paratype 5 (fig. 14)

6.5 km ENE of Deep Well hstd, N.T. (loc.
Rd21)

Tertiary

MOURLONIA (MOURLONIA) LYDON- NENSIS Dickins, 1957, 1963.

Mourlonia? lyndonensis Dickins, 1957, p.
46, Pl. 8, figs 1-5

Mourlonia (*Mourlonia*) *lyndonensis*
(Dickins); Dickins, 1963, p. 119, Pl.
24, figs 5-6

C.P.C. 4008—Figured specimens

1.5 km W of Callythara Springs, Byro
station, Carnarvon Basin, W.A.

Top 5 m, Carrandibby Formation

Lower Permian

MOURLONIA (MOURLONOPSIS) cf. **STRZELECKIANA** (Morris, 1845); Hill & Woods, 1964.

Mourlonia strzeleckiana Morris, 1845, p.
287, Pl. 18, fig. 5

Mourlonia (*Mourlonopsis*) cf. *strzeleckiana*
(Morris); Hill & Woods, 1964, p. 24, Pl.
P12, fig. 15

C.P.C. 5185—Figured specimen

Lat. 21° 27' 45" S, long. 148° 30' 00" E,
near Homevale hstd, E Bowen Basin, Qld.
Middle Bowen Beds (Gebbie Subgroup
of Back Cr. Group)

Lower Permian

MOURLONIA (PSEUDOBAYLEA) **FRENEYENSIS** Dickins, 1963.

Mourlonia (*Pseudobaylea*) *freneyensis*
Dickins, 1963, p. 121, Pl. 23, figs 1-11

C.P.C. 3999—Holotype (figs 7-9)

C.P.C. 4000—Paratype A (figs 2, 6)

C.P.C. 4001—Paratype B (fig. 3)

C.P.C. 4002—Paratype C (fig. 1)

C.P.C. 4003—Paratype D (fig. 4)

2.6 m SW of Paradise hstd, Fitzroy Basin,
W.A., lat. 18° 02' 30" S, long. 124° 31'
00" E. Nura Nura Member, Poole Sand-
stone

C.P.C. 4004—Paratype E (fig. 5)

26 km at 120° from Mt Tuskfield in S part
of St George Range, Fitzroy Basin. Near
base of Poole Sandstone

C.P.C. 4005—Paratype F (figs 10, 11)

C.P.C. 4006—Paratype G (unfigured)

Carynginia Gully, 1 km at 334° from
Carynginia (No. 1) Well, Irwin R. area,
W.A. Fossil Cliff Formation

Lower Permian

MOURLONIA? OBSCURA Dickins, 1963.

Mourlonia? obscura Dickins, 1963, p. 124,
Pl. 22, figs 13-21

C.P.C. 3993—Holotype (figs 13, 14)

Carynginia Gully about 1 km at 334° from
Carynginia (No. 1) Well, Irwin R. area,
W.A. Fossil Cliff Formation

C.P.C. 3994—Paratype A (figs 15, 16)

Becketts Gully, 650 m above road crossing,
Pintharuka 1-Mile Sheet, map co-
ordinates 511056, Irwin R. area W.A.
Fossil Cliff Formation

C.P.C. 3995—Paratype B (figs 20, 21)

C.P.C. 3996—Paratype C (fig. 18)

C.P.C. 3997—Paratype D (fig. 17)

2.6 km SW of Paradise hstd, Fitzroy Basin,
W.A., Nura Nura Member, Pool Sand-
stone

C.P.C. 3998—Paratype E (fig. 19)

Locality uncertain, apparently close to that
of paratypes B, C, D. Nura Nura Mem-
ber, Pool Sandstone

Lower Permian

MOURLONIA (WALLNICHOLLSIA) cf. **SUBCANCELLATA** (Morris, 1845); Dickins, 1964.

Mourlonia subcancellata Morris, 1845;

Mourlonia (*Wallnichollsia*) cf. *subcan-cellata* (Morris); Dickins, 1964, p. 24, Pl. 12, figs 16a, b

C.P.C. 5187—Figured specimen

About 5 km E of junction of Sandy Cr. and Bowen R., NE Bowen Basin, Qld. Upper Middle Bowen Beds (Blenheim Subgroup of Back Creek Group)

Lower Permian

MOURLONIA (MOURLONIA) sp. nov.
Dickins, 1963.

Mourlonia (*Mourlonia*) sp. nov. Dickins, 1963, p. 119, Pl. 23, figs 18-21

C.P.C. 3992—Figured specimen

48 km WNW of Curbur hstd, Carnarvon Basin, W.A., lat. 26° 22' 00" S, long. 115° 25' 00" E. Callytharra Formation

Lower Permian

MURICOTROCHUS? AUSTRALIENSIS
Cox, 1961.

Muricotrochus? australiensis Cox, 1961, p. 31, Pl. 6, figs 5, 6a-c, 7, 8

C.P.C. 3830—Holotype (figs 6a-c) (vinagel squeezes from natural mould of external shell)

C.P.C. 3831—Paratype A (fig. 5)

C.P.C. 3832—Paratype B (fig. 7)

C.P.C. 3833—Paratype C (fig. 8)

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

NERITOKRIKUS TUBEROSUS Skwarko, 1966.

Neritokrikus tuberosus Skwarko, 1966, p. 121, Pl. 14, figs 4, 5, 9

C.P.C. 4786—Holotype (Pl. 14, fig. 9)

C.P.C. 4784—Paratype A (fig. 4)

C.P.C. 4785—Paratype B (fig. 5)

2.4 km W of Day Lagoon, approximately 30 km W of Borroloola, N.T., lat. 16° 06' S, long. 136° 05' E (loc. TT20). Unit 6, Coastal Belt

Lower Cretaceous (Aptian)

OTOSTOMA? sp. Cox, 1961.

Otostoma? sp. Cox, 1961, p. 32, Pl. 7, figs 4, 5

C.P.C. 3837—Figured specimen (fig. 4) (mould of exterior of shell)

C.P.C. 3838—Figured specimen (fig. 5) (mould of interior of shell)

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

'PATELLA' sp. A Cox, 1961.

'*Patella*' sp A Cox, 1961, p. 31, Pl. 7, figs 2a, b

C.P.C. 3835—Figured specimen (internal mould)

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH. 4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

'PATELLA' sp. B Cox, 1961.

'*Patella*' sp B Cox, 1961, p. 32, Pl. 7, figs 3a, b

C.P.C. 3836—Figured specimen (internal mould)

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

PERUVISPIRA cf. **UMARIENSIS** Reed, 1928; Dickins, 1963.

Pleurotomaria umariensis Reed, 1928, p. 389, Pl. 34, fig. 12; Pl. 35, figs 11-13

Peruvispira cf. *umariensis* (Reed); Dickins, 1963, p. 126, Pl. 24, figs 7-8

C.P.C. 4009—Figured specimen

Carynginia Gully, about 1 km at 334° from Carynginia (No. 1) Well, Irwin R. area, W.A. Fossil Cliff Formation

Lower Permian

PHYSASTRA RODINGAE McMichael, 1968.

Physastra rodingae McMichael, 1968, p. 146, Pl. 11, figs 2-5

C.P.C. 6901—Holotype (figs 2, 3)

11 km NE of Deep Well hstd, N.T. (loc. NT407)

C.P.C. 6902—Paratype 1 (fig. 4)

C.P.C. 6903—Paratype 2 (not figured)

1.5 km SE of Riversleigh hstd, Qld (loc. Q12)

C.P.C. 6904—Paratype 3 (fig. 5)

6.5 km S of Alcoota hstd, N.T. (loc. NT424)

Tertiary

PLATYCERAS sp. Dickins, 1963.

Platyceras sp. Dickins, 1963, p. 133, Pl. 25, figs 4-6

C.P.C. 4014—Figured specimen A (fig. 6)

3 km NNE of Round Hill Well, Winning station, Carnarvon Basin, W.A. Near base of Callytharra Formation

C.P.C. 4015—Figured specimen B (figs 4, 5)

C.P.C. 4016—Measured specimen (unfigured)

9 km ESE of Donnellys Well, Williambury station, Carnarvon Basin, 1.5-8.5 m above base of Callytharra Formation

Lower Permian

PLATYTEICHUM JOHNSTONEI Dickins, 1961.

Platyteichum johnstonei Dickins, 1961, p. 134, Pl. 7, figs 9-12

C.P.C. 108—Holotype

7.2 km W of S of Merlinleigh hstd, Carnarvon Basin, W.A., lat. 24° 22' 26" S, long. 115° 10' 00". 29.5 m above base of Norton Greywacke

C.P.C. 109—Figured specimen

28 km SE of Muderong Bore, Middalya station, Carnarvon Basin, W.A. Norton Greywacke

Lower Permian

PLATYTEICHUM ?sp. nov. A Dickins, 1961.

Platyteichum ?sp. nov. A Dickins, 1961, p. 136, Pl. 17, fig. 7

C.P.C. 110—Figured specimen

7.2 km W of S of Merlinleigh hstd, Carnarvon Basin, W.A., 29.5 m above base of Norton Greywacke

Lower Permian

PLATYTEICHUM ?sp. nov. B Dickins, 1961.

Platyteichum ?sp. nov. B Dickins, 1961, p. 136, Pl. 17, fig. 8

C.P.C. 111—Figured specimen

5 km from K38 at 197° and 8 km from Walbareena Peak (K40) at 340°, Carnarvon Basin, W.A., 3 m above base of Coolkilya Greywacke

Lower Permian

PLATYTEICHUM ?sp. nov. C Dickins, 1961.

Platyteichum ?sp. nov. C Dickins, 1961, p. 136

C.P.C. 112—Unfigured specimen

2.8 km SE of Muderong Bore, Middalya station, Carnarvon Basin, W.A. Coolkilya Greywacke

Lower Permian

PLEUROTOMARIA ?sp. A Skwarko, 1966.

Pleurotomaria ?sp. A Skwarko, 1966, p. 122, Pl. 14, figs 7, 8

C.P.C. 5049—Figured specimen

2.4 km SE of abandoned Rosie Cr. hstd, N.T., lat. 15° 44' S, long. 135° 32' E (loc. TT35). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

PLEUROTOMARIA (?)sp. B Skwarko, 1966.

Pleurotomaria (?)sp. B Skwarko, 1966, p. 122, Pl. 14, fig. 12

C.P.C. 5048—Figured specimen

2.4 km SE of abandoned Rosie Cr. hstd, N.T., lat. 15° 44' S, long. 135° 40' E (loc. TT35). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

PLOTIOPSIS sp. McMichael, 1968.

Plotiopsis sp. McMichael, 1968, p. 139, Pl. 10, fig. 5

C.P.C. 6892—Figured specimen

45 km N of Rockhampton Downs hstd, on Rockhampton Downs to Anthony Lagoon Rd, N.T. (loc. BT169)

Tertiary

POTAMOPYRGUS sp. McMichael, 1968.

Potamopyrgus sp. McMichael, 1968, p. 137, Pl. 10, fig. 1

C.P.C. 6889—Figured specimen

24 km SE of Todd R. hstd, N.T. (loc. AS234). About 80 km E of Alice Springs

Tertiary

PROCERITHIUM (RHABDOCOLPUS) BRUNNSCHWEILERI Cox, 1961.

Procerithium (Rhabdocolpus) brunnschweileri Cox, 1961, p. 33, Pl. 7, figs 7a, b

C.P.C. 4027—Holotype (mould of exterior of shell)

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

PTYCHOMPHALINA TALBOTI Dickins, 1963.

Ptychomphalina talboti Dickins, 1963, p. 125, Pl. 24, figs 12-19

C.P.C. 4007—Holotype (fig. 16)

Fossil Ridge, Irwin R. area, W.A. Fossil Cliff Formation

Lower Permian

PURPURINA ?YANREYENSIS Cox, 1961.

Purpurina ?yanreyensis Cox, 1961, p. 33, Pl. 7, figs 6a, b

C.P.C. 3839—Holotype (squeeze from natural mould)

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

PURPURINA (?)sp. Skwarko, 1966.

Purpurina (?)sp. Skwarko, 1966, p. 121, Pl. 14, fig. 6

C.P.C. 5020—Figured specimen

1.9 km N of edge of plateau on cliffs facing Katherine R., across main Yeuralba mine rd, N.T., lat. 14° 17' S, long. 132° 43' E (loc. TT49a). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

'RETISPIRA' CLARKEI Dickins, 1963.

'Retispira' clarkei Dickins, 1963, p. 114, Pl. 20, figs 14-19

C.P.C. 3977—Holotype (figs 16-19)

C.P.C. 3978—Paratype (figs 14, 15, latex cast)

Carynginia Gully, about 1 km at 334° from Carynginia (No. 1) Well, Irwin R. area, W.A. Fossil Cliff Formation

Lower Permian

RHAPHISTOMELLA? KUMBRUFENSIS Skwarko, 1967.

Rhaphistomella? kumbrufensis Skwarko, 1967b, p. 67 (not p. 65 as on plate 5), Pl. 5, figs 3-6, text-fig. 10

C.P.C. 5056—Holotype (Pl. 5, figs 5, 6, text-fig. 10b, right hand figure)

C.P.C. 5055—Paratype A (Pl. 5, fig. 4, text-fig. 10a, left hand figure)

8 km NE from Tabibuga, Central Highlands, New Guinea (loc. M26). Jimi Greywacke

C.P.C. 5054—Paratype B (Pl. 5, fig. 3, not mentioned in text)

Between Gebal and Bubutunga, Central Highlands, New Guinea (loc. H575), Jimi Greywacke

Triassic (Carnian-Norian)

STACHELLA CRUCILIRATA Dickins, 1963.

Stachella crucilirata Dickins, 1963, p. 116, Pl. 20, figs 1-13

C.P.C. 3972—Holotype (figs 1-4)

C.P.C. 3973—Paratype A (figs 8-11)

Becketts Gully, 650 m above rd crossing, Irwin R. area, W.A., Pintharuka 1-mile Sheet, Map co-ordinates 511056. Fossil Cliff Formation

C.P.C. 3974—Paratype B (figs 5, 6)

C.P.C. 3975—Paratype C (figs 12, 13)

C.P.C. 3976—Paratype D (fig. 7)

2.6 km S of Paradise hstd, Fitzroy Basin, W.A., lat. 18° 02' 30" S, long. 124° 31' 00" E. Nura Nura Member, Poole Sandstone

Lower Permian

STRAPAROLUS (LEPTOMPHALUS) BESSELENSIS Dickins, 1963.

Straparolus (Leptomphalus) besselensis Dickins, 1963, p. 129, Pl. 24, figs 1-4

C.P.C. 4010—Holotype (fig. 1)

C.P.C. 4011—Paratype A (fig. 3)

C.P.C. 4012—Paratype B (fig. 2)

C.P.C. 4013—Paratype C (fig. 4)

2.6 km S of Paradise hstd, Fitzroy Basin, W.A., lat. 18° 02' 30" S, long. 124° 31' 00" E. Nura Nura Member, Poole Sandstone

Lower Permian

SYRIOPLANORBIS HARDMANI (Wade, 1924); McMichael, 1968.

Planorbis hardmani Wade, 1924, p. 29, Pl. 1

Syrioplanorbis hardmani (Wade); McMichael, 1968, p. 414, Pl. 10, figs 6-8.

C.P.C. 105—Lectotype refigured (fig. 6)

Hill J40, White Mountain Range, Kimberley District, W.A.

C.P.C. 6893—Figured specimen (fig. 7)

8 km S of Mt Caldwell, Henbury, N.T. (loc. NT406)

C.P.C. 6894—Figured specimen (fig. 8)

Arltunga airstrip, N.T. (loc. NT423)

Tertiary

TECTUS ?sp. Cox, 1961.

Tectus ?sp. Cox, 1961, p. 30, Pl. 6, figs 3a, b

C.P.C. 3929—Figured specimen

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" S. Nanutarra Formation

Lower Cretaceous

TIBIA? MOROBICA Glaessner, 1949; Skwarko, 1967.

Tibia? morobica Glaessner, 1949, p. 174, Pl. 15, figs 11, 12, text-fig. 6; Skwarko, 1967c, p. 97, Pl. 12, fig. 10.

C.P.C. 5131—Figured specimen (Pl. 12, fig. 10)

Headwaters of Buiawim R., L. Trist area, near Wau, New Guinea, lat. 7° 26' S, long. 146° 55' E (loc. SF20). Sampa Beds

Lower Cretaceous

TRACHYNERITA (?)sp. Skwarko, 1966.

Trachynerita (?)sp. Skwarko, 1966, p. 121, Pl. 13, fig. 7

C.P.C. 4783—Figured specimen

2.4 km SE of abandoned Rosie Cr. hstd, N.T., lat. 15° 44' S, long. 135° 40' E (loc. TT35). Unit 2, Coastal Belt

Lower Cretaceous (late Neocomian)

TROCHACANTHUS sp. Cox, 1961.

Trochacanthus sp. Cox, 1961, p. 31, Pl. 7, fig. 1

C.P.C. 3834—Figured specimen (external of mouth of abapertural side of shell)

13.5 km NNE of The Range hstd, Carnarvon Basin, W.A. (loc. MH4), lat. 22° 8' S, long. 115° 26' 30" E. Nanutarra Formation

Lower Cretaceous

WARTHIA INTERMEDIA Dickins, 1963.

Warthia intermedia Dickins, 1963, p. 109, Pl. 21, figs 19-19

C.P.C. 3979—Holotype (figs 17-19)

C.P.C. 3980—Paratype A (fig. 12)

C.P.C. 3981—Paratype B (figs 13-14)

C.P.C. 3982—Paratype C (figs 15, 16)

2.6 km SW of Paradise hstd, Fitzroy Basin, W.A., lat. 18° 02' 30" S, long. 124° 31' 00" E. Nura Nura Member. Poole Sandstone

Lower Permian

WARTHIA INTERMEDIA? (in explanation of plate) Dickins, 1963.

Warthia intermedia ?, Dickins, 1963, p. 110, Pl. 21, figs 10-11

C.P.C. 3983—Figured specimen

26 km at 120° from Mt Tuckfield, in S part of St George Range, Fitzroy Basin, W.A. Marine horizon at base of Poole Sandstone

Lower Permian

POLYZOA

COELOCAULIS MACULOSA Ross, 1961.

Coelocaulis maculosa Ross, 1961, p. 66, Pl. 14, fig. 1; Pl. 15, fig. 5; Pl. 16, fig. 1; Pl. 18, fig. 2

C.P.C. 952—Holotype (external not figured) (Pl. 15, fig. 5, longitudinal section from holotype; Pl. 16, fig. 2, transverse section from holotype; Pl. 18, fig. 2, tangential section of holotype)

C.P.C. 953—Paratype A; C.P.C. 954—Paratype B; C.P.C. 955—Paratype C

C.P.C. 956—Paratype D—Unfigured paratypes

C.P.C. 968; C.P.C. 957—Unfigured specimens

C.P.C. 969—Figured specimen (Pl. 16, fig. 1), not mentioned in text

1.5 km at 104° from Mt Percy, Leopold Downs station, Fitzroy Basin, W.A. Fairfield Beds

Upper Devonian

DISCOTRYPA ?sp. A Ross, 1961.

Discotrypa ?sp. A Ross, 1961, p. 38, Pl. 6, fig. 4

C.P.C. 969—Figured specimen

1.5 m at 104° from Mt Percy, Leopold Downs Station, Fitzroy Basin, W.A. Fairfield Beds

Upper Devonian

EVACTINOSTELLA CRUCIALIS

(Hudleston, 1883); Wass, 1967.

Evactinopora crucialis Hudleston, 1883, p. 593, Pl. 23, figs 2a-c. *Evactinostella crucialis* (Hudleston); Wass, 1967, p. 162

C.P.C. 7703; C.P.C. 7704; C.P.C. 7705—Unfigured specimens

Surface sample, 11.6 km NNW of Table Hill, Port Keats area, N.T., lat. 14° 26' S, long. 129° 43' E (loc. 627/1)

Lower Permian

FENESTELLA AMPLIA (Crockford, 1944); Wass, 1968.

Minilya amplia Crockford, 1944b, p. 159, Pl. 4, fig. 7. *Fenestella amplia* (Crockford); Wass, 1968, p. 58, Pl. 14, fig. 1

C.P.C. 7035—Figured specimen (Pl. 14, fig. 1)

Reids Dome, SW of Rolleston, Bowen Basin, Qld, 500 m at 320° from AOE No. 2 Well, lat. 24° 51' S, long. 148° 19' E. *Eurydesma* Limestone, Cattle Cr. Formation, Tiverton Subgroup

Lower Permian (Artinskian)

FENESTELLA BOWENENSIS Wass, 1968.

Fenestella bowenensis Wass, 1968, p. 72, Pl. 17, fig. 1-3

C.P.C. 7034—Holotype (Pl. 17, fig. 1)

C.P.C. 7125—Paratype (fig. 3)

Reids Dome, SW of Rolleston, Bowen Basin, Qld, 500 m at 320° from AOE No. 2 Well, Lat. 24° 51' S, long. 148° 19' E (loc. SP720). *Eurydesma* Limestone, Cattle Creek Formation. Tiverton Subgroup

C.P.C. 7124—Figured specimen (Pl. 17, fig. 2)

As above but 500 m at 55° from AOE No. 2 Well, lat. 24° 51' S, long. 148° 20' E (loc. SP732). *Eurydesma* Limestone, Cattle Creek Formation, Tiverton Subgroup

Lower Permian (Artinskian)

FENESTELLA CANTHARIFORMIS (Crockford, 1941); Wass, 1968.

Fenestrellina canthariformis Crockford, 1941, p. 510, text-fig. 2a. *Fenestella canthariformis* (Crockford); Wass, 1968, p. 60, Pl. 15, fig. 1

C.P.C. 7119—Figured specimen (Pl. 15, fig. 1)

C.P.C. 7120—Unfigured specimen

Reids Dome, SW of Rolleston, Bowen Basin, Qld. 500 m at 320° from AOE No. 2 Well, lat. 24° 51'S, long. 148° 19' E (loc. SP720)

Eurydesma Limestone, Cattle Creek Formation, Tiverton Subgroup

Lower Permian (Artinskian)

FENESTELLA cf. **COLUMNARIS** (Crockford, 1944); Wass, 1968.

Fenestrellina columnaris Crockford, 1944b, p. 170, Pl. 2, fig. 3, text-fig. 1F, G

Fenestella cf. *columnaris* (Crockford); Wass, 1968, p. 62, Pl. 14, fig. 2

C.P.C. 7121—Figured specimen

Reids Dome, SW of Rolleston, Bowen Basin, Qld, 500 m at 55° from AOE No. 2 Well, lat. 24° 51'S, long. 148° 20' E (loc. SP732). *Eurydesma* Limestone, Cattle Creek Formation, Tiverton Subgroup

Lower Permian (Artinskian)

FENESTELLA EMANUELANA Ross, 1961.

Fenestella emanuelana Ross, 1961, p. 69, Pl. 18, fig. 7

C.P.C. 937—Holotype

Sadler Ridge, Emanuel Range, Fitzroy Basin, W. Aust. (loc. K246 stratigraphic section DD2). Sadler Formation, 27 m above top of Pillara Formation.

Upper Devonian

FENESTELLA FOSSULA Lonsdale, 1844; Wass, 1968.

Fenestella fossula Lonsdale, 1844, p. 160; Wass, 1968, p. 65, Pl. 14, fig. 4

C.P.C. 7117—Figured specimen (Pl. 14, fig. 4)

C.P.C. 7116, 7118—Unfigured specimens

Reids Dome, SW of Rolleston, Bowen Basin, Qld, 500 m at 320° from AOE No. 2 Well, lat. 24° 51', long. 148° 19' E (loc. SP720). *Eurydesma* Limestone, Cattle Creek Formation, Tiverton Subgroup

Lower Permian (Artinskian)

FENESTELLA HOROLOGIA Bretnall, 1926; Wass, 1967; Wass 1968.

Fenestella horologia Bretnall, 1926, p. 15, Pl. 1, fig. 6; Wass, 1967, p. 166; Wass, 1968, p. 56

C.P.C. 7715; C.P.C. 7716—Unfigured specimens (Wass, 1967, p. 166)

Surface sample, 11.6 km NNW of Table Hill, Port Keats area, N.T., lat. 14° 26' S., long. 129° 43' E (loc. 627/1)

C.P.C. 7097—Unfigured specimen (Wass 1968)

10 km S of Cracow, Bowen Basin, Qld, 1.3 km at 290° from Cracow, lat. 25° 18' S, long. 150° 17' E (loc. L2575). Buffel Formation

C.P.C. 7099; C.P.C. 7100; C.P.C. 7101; C.P.C. 7102—Unfigured specimens

Reids Dome, SW of Rolleston, Bowen Basin, Qld, 500 m at 320° from AOE No. 2 Well, lat. 24° 51'S, long. 148° 19' E (loc. SP720). *Eurydesma* Limestone, Cattle Creek Formation, Tiverton Subgroup

C.P.C. 7098—Unfigured specimen

Reids Dome, SW of Rolleston, Bowen Basin, 500 m at 55° from AOE No. 2 Well, lat. 25° 51'S, long. 148° 20' E (loc. SP732). *Eurydesma* Limestone, Cattle Creek formation, Tiverton Subgroup

Lower Permian (Artinskian)

FENESTELLA LENNARDI (Crockford, 1944); Wass, 1967.

Fenestrellina lennardi Crockford, 1944a, p. 171, text-fig. 1A

Fenestella lennardi (Crockford); Wass, 1967, p. 166, text-fig. 1

C.P.C. 7717—Figured specimen

Surface sample, 11.6 km NNW of Table Hill, Port Keats area, N.T. lat. 14° 26' S, long. 129° 43' E (loc. 627/1)

Lower Permian

FENESTELLA (PARAFENESTELLA) sp. Wass, 1968.

Fenestella (Parafenestella) sp. Wass, 1968, Pl. 17, fig. 4, text-fig. 13

C.P.C. 7038a—Figured specimen (Pl. 17, fig. 4)

C.P.C. 7038b—Camera lucida drawing (text-fig. 13)

C.P.C. 7122—Unfigured specimen

Reids Dome, SW of Rolleston, Bowen Basin, Qld, 500 m at 320° from AOE No. 2 Well, lat. 24° 51' S, long. 148° 19' E (loc. SP720), *Eurydesma* Limestone, Cattle Creek Formation, Tiverton Subgroup

Lower Permian (Artinskian)

FENESTELLA PIKERENSIS Ross, 1961.

Fenestella pikerensis Ross, 1961, p. 70, Pl. 18, fig. 1

C.P.C. 939—Holotype

Piker Hills, 7.2 km at 164° from Long Hole, Fossil Downs station, Fitzroy Basin, W.A. Fairfield Beds

Upper Devonian

FENESTELLA SPINIFERA (Crockford, 1946); Wass, 1968.

Fenestrellina spinifera Crockford, 1946, p. 129, text-fig. 8

Fenestella spinifera (Crockford); Wass, 1968, p. 70, Pl. 16, fig. 5

C.P.C. 7107—Figured specimen

Reids Dome, SW of Rolleston, Bowen Basin, Qld, 500 m at 55° from AOE No. 2 Well, lat. 25° 51' S, long. 148° 20' E (loc. SP732), *Eurydesma* Limestone, Cattle Creek Formation, Tiverton Subgroup

C.P.C. 7108—Unfigured specimen

8 km NW of Rewan hstd, Bowen Basin, Qld, at lat. 24° 55' S, long. 148° E, 8.7 km at 183° from AOE No. 2 Well (loc. SP748). *Eurydesma* Limestone, Cattle Creek Formation, Tiverton Subgroup

Lower Permian (Artinskian)

FENESTELLA SPRINGSURENSIS Wass, 1968.

Fenestella springsurensis Wass, 1968, p. 74, Pl. 16, figs 1-3

C.P.C. 7036—Holotype (Pl. 16, fig. 1)

C.P.C. 7037—Paratype (fig. 2)

C.P.C. 7111—Paratype (fig. 3)

Reids Dome, SW of Rolleston, Bowen Basin, Qld, 500 m at 320° from AOE No. 2 Well, lat. 24° 51' S, long. 148° 19' E (loc. SP720), *Eurydesma* Limestone, Cattle Creek Formation, Tiverton Subgroup

Lower Permian (Artinskian)

FENESTELLA WESTRALIS Ross, 1961.

Fenestella westralis Ross, 1961, p. 71, Pl. 19, fig. 2

C.P.C. 938—Holotype

2-3 km SE of Prices Hill, Emanuel Range, Fitzroy Basin, W.A. (loc. K403). Sadler Formation

Upper Devonian

FISTULAMINA sp. Wass, 1967.

Fistulamina sp. Wass, 1967, p. 163, Pl. 5, fig. 1

C.P.C. 7706—Figured specimen

Surface sample, 11.6 km NNW of Table Hill, Port Keats area, N.T., lat. 14° 26' S, long. 129° 43' E (loc. 627/1)

Lower Permian

FITZROYOPORA OSCARENSIS Ross, 1961.

Fitzroyopora oscarensis Ross, 1961, p. 49, Pl. 11, figs 2, 4-7; Pl. 12, fig. 3

C.P.C. 947—Holotype (Pl. 11, fig. 2, external; fig. 5, longitudinal section of holotype; fig. 7, tangential section)

C.P.C. 948—Paratype A (external, Pl. 11, fig. 4)

Oscar Hill, 16 km NW of Fitzroy Crossing, Fitzroy Basin, W.A. (loc. K283), Fairfield Beds

Upper Devonian

FISTULIPORA SADLERENSIS Ross, 1961.

Fistulipora sadlerensis Ross, 1961, p. 63, Pl. 14, figs 2, 4, 6; Pl. 16, fig. 6; Pl. 17, figs 3, 4, 6; Pl. 19, fig. 1

C.P.C. 932—Holotype (external not figured; Pl. 14, fig. 4, tangential section of holotype; Pl. 17, fig. 3, oblique longitudinal section of holotype)

C.P.C. 933—Paratype A (Pl. 16, fig. 6, tangential section; Pl. 17, fig. 6, oblique longitudinal section)

C.P.C. 934—Paratype B (not figured)

C.P.C. 935—Paratype C (Pl. 19, fig. 1, transverse section)

C.P.C. 936—Paratype D (Pl. 14, fig. 6, tangential section)

Sadler Ridge, Emanuel Range, Fitzroy Basin, W.A. (loc. K236), Sadler Formation, 21 m above top of Pillara Formation

C.P.C. 970—Unfigured specimen

Sadler Ridge, Emanuel Range (loc. K244), Sadler Formation, 25 m above top of Pillara Formation

Upper Devonian

GRANIVALLUM FISTULOSUM Ross, 1961.

Granivallum fistulosum Ross, 1961, p. 52, Pl. 12, figs 1, 2, 4, 5; Pl. 13, fig. 6; text-figs 6, 7

C.P.C. 949—Holotype (external not figured; Pl. 12, fig. 1, tangential section, fig. 2, tangential section, fig. 4, longitudinal section)

11 km E of Bullock Paddock Bore, Fossil Downs station, Fitzroy Basin, W.A. (loc. K325). 11 m from base of measured section 46 m thick, Fairfield Beds

C.P.C. 974—not figured

S of Buruamundi Range, Fitzroy Basin (loc. K292), 58 m above base of section, 195 m thick. Fairfield Beds

Upper Devonian

HEXAGONELLA DENSE Crockford, 1944; Wass, 1967.

Hexagonella densa Crockford, 1944b, p. 151, Pl. 4, fig. 2, text-figs 21-22a; Wass, 1967, p. 164

C.P.C. 7707—Unfigured specimen

Surface sample 11.6 NNW of Table Hill, Port Keats area, N.T., lat. 14° 26' S, long. 129° 43' E (loc. 627/1)

Lower Permian

LEIOCLEMA sp. Wass, 1968.

Leioclema sp. Wass, 1968, p. 30, Pl. 7, fig. 12; Pl. 8, fig. 4

C.P.C. 7040—Longitudinal section (Pl. 8, fig. 4)

33 km SSW of Collinsville, Bowen Basin, Qld, lat. 20° 49' S, long. 147° 43' E, 11.7 km at 255 from Havilah hstd (loc. B628). Blenheim Subgroup

C.P.C. 7041—Longitudinal section (Pl. 7, fig. 1), tangential section (Pl. 7, fig. 2)

35 km SSW of Collinsville, Bowen Basin, lat. 20° 50' S, long. 147° 42' E. 13 km at 250° from Havilah hstd, 0-5 m above base (loc. B1570c). Blenheim Subgroup, *Strophalosia* zone

Permian (Kungurian-Kazanian)

LIGULOCLEMA sp. Wass, 1968.

Liguloclema sp. Wass, 1968, p. 19, Pl. 1, fig. 3, text-fig. 9

C.P.C. 7015—Figured specimen (Pl. 1, fig. 3)

C.P.C. 7016—Camera lucida drawing, transverse section

Reids Dome, SW of Rolleston, Bowen Basin, Qld, 500 m at 320° from AOE No. 2 Well, at lat. 24° 51' S, long. 148° 19' E (loc. SP720). *Eurydesma* Limestone, Cattle Creek Formation, Tiverton Subgroup

Lower Permian (Artinskian)

NICKLESOPORA CRENULATA Ross, 1961.

Nicklesopora crenulata Ross, 1961, p. 89, Pl. 25, figs 4, 6; Pl. 26, fig. 4

C.P.C. 940—Holotype (external not figured; Pl. 25, fig. 4, tangential section; Pl. 26, fig. 4, tangential section)

C.P.C. 964—Paratype A (Pl. 25, fig. 6, transverse section)

Piker Hills, 6.5 km at 160° from Long Hole, Fossil Downs station, Fitzroy Basin, W.A. Fairfield Beds

Upper Devonian

NICKLESOPORA FITZROYENSIS Ross, 1961.

Nicklesopora fitzroyensis Ross, 1961, p. 89, Pl. 26, figs 6, 7

C.P.C. 946—Holotype (external not figured; Pl. 26, fig. 6, longitudinal section; fig. 7, tangential section)

7.4 km at 60° from Spieler's Bore, and 21.9 km from Leopold Downs station, Fitzroy Basin, W.A. Oscar Formation

Upper Devonian

NICKLESOPORA LEOPOLDENSIS Ross, 1961.

Nicklesopora leopoldensis Ross, 1961, p. 92, Pl. 25, figs 1, 2, 5, 8; Pl. 26, fig. 1

C.P.C. 945—Holotype (Pl. 25, fig. 5, external; Pl. 25, fig. 8, longitudinal section; Pl. 26, fig. 1, tangential section)

C.P.C. 965—Paratype A (Pl. 25, fig. 1, tangential section, fig. 2, longitudinal section)

7.4 km at approx. 60° from Spieler's Bore, and 21.9 km from Leopold Downs station, Fitzroy Basin, W.A. Oscar Formation

Upper Devonian

NICKLESOPORA WESTRALIS Ross, 1961.

Nicklesopora westralis Ross, 1961, p. 93, Pl. 26, figs 2, 3, 5

C.P.C. 941—Holotype (Pl. 26, fig. 5, external; fig. 2, tangential section, fig. 3, longitudinal section)

C.P.C. 942—Paratype A; C.P.C. 943—Paratype B; C.P.C. 944—Paratype C (not figured)

10 km at 74° from Horse Springs, Fossil Downs station, Fitzroy Basin, W.A. Fossil Downs Formation

Upper Devonian

PENNIRETEPORA TRIPOROSA

Crockford, 1944; Wass, 1968.

Penniretepora triporosa Crockford, 1944b, p. 161, Pl. 5, fig. 4, text-fig. 49; Wass, 1968, p. 40, Pl. 11, fig. 2

C.P.C. 7027—Unfigured specimen

Reids Dome, SW of Rolleston, Bowen Basin, Qld, 500 m at 320° from AOE No. 2 Well, at lat. 24° 51' S, long. 148° 19' E (loc. CP720)

Eurydesma Limestone, Cattle Creek Formation, Tiverton Subgroup

Lower Permian (Artinskian)

PENNIRETOPORA sp. Wass, 1968.

Penniretopora sp. Wass, 1968, p. 42, Pl. 11, fig. 2

C.P.C. 7039—Figured specimen

C.P.C. 7103—Unfigured specimen

16 km NNE of Yatton hstd, Bowen Basin, Qld, 1.1 km E of Bruce Highway, hill on S side of Yatton Cr. at lat. 22° 32' S, long. 149° 13' E (loc. SL643). Tiverton Subgroup

C.P.C. 7104—Unfigured specimen

Reids Dome, SW of Rolleston, Bowen Basin, Qld, 500 m at 320° from AOE No. 2 Well, at lat. 24° 51' S, long. 148° 19' E (loc. SP720)

Eurydesma Limestone, Cattle Creek Formation, Tiverton Subgroup

C.P.C. 7105—Unfigured specimen

10 km S of Cracow, 1.3 km at 290° from Cracow hstd, at lat. 25° 22' S, long. 150° 16' E (loc. L2575). Buffel Formation

Lower Permian (Artinskian)

PERCYOPORA OCCIDENTALIS Ross, 1961.

Percyopora occidentalis Ross, 1961, p. 47, Pl. 10, fig. 7; Pl. 11, figs 1, 3

C.P.C. 951—Holotype (Pl. 10, fig. 7, external; Pl. 11, figs 1, 3, sections from holotype)

13 km at 74° from Horse Springs, Fossil Downs station, Fitzroy Basin, W.A. (loc. R40). Fairfield Beds

Upper Devonian

PERCYOPORA TUBULATA Ross, 1961.

Percyopora tubulata Ross, 1961, p. 46, Pl. 7, fig. 6; Pl. 9, figs 2-8; Pl. 10, figs 1-6, text-fig. 5

C.P.C. 950—Holotype (Pl. 9, fig. 7, external; fig. 8, longitudinal section)

C.P.C. 958—Paratype A (Pl. 9, fig. 2, longitudinal section; fig. 4, tangential section)

C.P.C. 959—Paratype B (Pl. 10, fig. 2, external)

C.P.C. 960—Paratype C (Pl. 9, fig. 5, external)

C.P.C. 961—Paratype D; C.P.C. 962—Paratype E; C.P.C. 963—Paratype F—not figured

C.P.C. 967—Paratype G (Pl. 10, fig. 5, external)

C.P.C. 975—Paratype H (Pl. 9, fig. 3, tangential section; Pl. 10, fig. 3, tangential section, fig. 4, longitudinal section, fig. 6, tangential section)

C.P.C. 976—Paratype I (Pl. 10, fig. 1, longitudinal section)

1.5 km at 104° from Mt Percy, Leopold Downs station, Fitzroy Basin, W.A. Fairfield Beds

Upper Devonian

POLYPORA BRUTENI Wass, 1967

Polypora sp. nov. Crockford, 1957, p. 68, Pl. 17, fig. 3. *Polypora bruteni* Wass, 1967, p. 168

C.P.C. 7721—Unfigured specimen

Surface sample 11.6 km NNW of Table Hill, Port Keats area, N.T., lat. 14° 26' S, long. 129° 43' E (loc. 627/1)

Lower Permian

POLYPORA KEPPELENSIS Crockford, 1946; Wass, 1968.

Polypora keppelensis Crockford, 1946, p. 133; Wass, 1968, p. 47, Pl. 12, fig. 2

C.P.C. 7112—Figured specimen (Pl. 12, fig. 2)

C.P.C. 7113—Unfigured specimen

C.P.C. 7114—Unfigured specimen

C.P.C. 7115—Unfigured specimen

400 m down cr. from Blenheim hstd, Bowen Basin, Qld, at lat. 21° 04' S, long. 148° 13' E (loc. M293). Blenheim Subgroup

Permian (Kungurian Kazanian)

POLYPORA LYNDONI Ross, 1963.*

Polypora lyndoni Ross, 1963, p. 77, Pl. 9, fig. 6, 10-12; Pl. 11, figs 4, 5

C.P.C. 4709 (ML107-20)—Holotype (Pl. 9, fig. 6; Pl. 11, fig. 5)

C.P.C. 4711 (ML107-22)—Paratype A (Pl. 9, fig. 12)

C.P.C. 4737 (ML109-10)—Paratype B (Pl. 9, figs 10, 11)

C.P.C. 5188 (ML109-11)—Paratype C (Pl. 11, fig. 4)

C.P.C. 4710 (ML107-21); C.P.C. 4712 (ML107-23); C.P.C. 4713 (ML107-24); C.P.C. 4714 (ML107-25); C.P.C. 4715 (ML107-26); C.P.C. 4716 (ML107-27); C.P.C. 4717 (ML107-28); C.P.C. 4718 (ML107-10); C.P.C. 4719 (ML107-11); C.P.C. 4720 (ML107-12); C.P.C. 4721 (ML107-13); C.P.C. 4722 (ML107-14); C.P.C. 4723 (ML107-15); C.P.C. 4724 (ML107-16)—Unfigured paratypes

Lyndon R. area, Carnarvon Basin, W.A. Upper part of Lyons Group

C.P.C. 4725 (ML6-5); C.P.C. 4726 (ML6-6); C.P.C. 4727 (ML6-7); C.P.C. 4728 (ML6-8); C.P.C. 4729 (ML6-9); C.P.C. 4730 (ML6-10)—unfigured paratypes

5 km W of N of Moogooree hstd, Lyndon R. area, Carnarvon Basin. Considered to be lower part of Lyons Group

C.P.C. 4731 (ML90-10); C.P.C. 4732 (ML90-11); C.P.C. 4733 (ML90-12); C.P.C. 4734 (ML90-13); C.P.C. 4735 (ML90-14); C.P.C. 4736 (ML90-15)—unfigured paratypes

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Lyndon R. area, Carnarvon Basin. 14 m below top of Lyons Group

Lower Permian

POLYPORA RECTIFIS Crockford, 1944; Wass, 1967.

Polypora rectifis Crockford, 1944a, p. 176, Pl. 2, fig. 4; Wass, 1967, p. 167

C.P.C. 7718—Unfigured specimen

Surface sample, 11.6 km NNW of Table Hill, Port Keats area, N.T., lat. 14° 26' S, long. 129° 43' E (loc. 627/1)

Lower Permian

POLYPORA VIRGO Laseron, 1918; Wass, 1968.

Polypora virgo Laseron, 1918, p. 192, Pl. 7, fig. 4; Pl. 8, fig. 2; Wass, 1968, p. 51, Pl. 3, fig. 2

C.P.C. 7110—Figured specimen

8 km NW of Rewan hstd, Bowen Basin, Qld, 8.7 km at 183° from AOE No. 2 Well at lat. 24° 55' S, long. 148° 18' E (loc. SP748)

Cattle Cr. Formation, Tiverton Subgroup

Lower Permian (Artinskian)

POLYPORA WADEI Crockford, 1957; Wass 1967.

Polypora wadei Crockford, 1957, p. 65, Pl. 17, fig. 4; Wass, 1967, p. 167

C.P.C. 7719—Unfigured specimen

Surface sample, 11.6 km NNW of Table-Hill, Port Keats area, N.T., lat. 14° 26' S, long. 129° 43' E (loc. 627/1)

C.P.C. 7720—Unfigured specimen

Seismic hole (Australian Aquitaine Petroleum Pty Ltd), at depth of 44 m, 13 km NNE of Fossil Head, N.T., lat. 14° 26' S, long. 129° 34' E (loc. SP323)

Lower Permian

POLYPORA WOODSI (Etheridge, 1892); Wass, 1968.

Proteretopora ampla var. *woodsi* Etheridge, 1892, p. 222, Pl. 8, fig. 12

Polypora woodsi (Etheridge); Wass, 1968, p. 53, Pl. 13, fig. 3

C.P.C. 7123—Figured specimen (Pl. 13, fig. 3)

8 km NW of Rewan hstd, Bowen Basin, Qld, 8.7 km at 183° from AOE No. 2 Well, at lat. 24° 55' S, long. 148° 18' E (loc. SP748). Cattle Creek Formation, Tiverton Subgroup

C.P.C. 7109—Unfigured specimen

Reids Dome, SW of Rolleston, Bowen Basin, Qld, 500 m at 320° from AOE No. 2 Well, at lat. 24° 51' S, long. 148° 19' E (loc. SP720). *Eurydesma* Limestone, Cattle Creek Formation, Tiverton Subgroup

Lower Permian (Artinskian)

PROTORETEPORA AMPLA (Lonsdale, 1844); Wass, 1967; Wass, 1968.

Fenestella ampla Lonsdale (*in* Darwin), 1844, p. 163

Protoretepora ampla (Lonsdale); Wass, 1967, p. 168; Wass, 1968, p. 55, Pl. 13, fig. 4

C.P.C. 7722—Unfigured specimen (Wass, 1967)

Surface sample, 11.6 km NNW of Table Hill, Port Keats area, N.T., lat. 14° 26' S, long. 129° 43' E (loc. 627/1)

C.P.C. 7026—Figured specimen (Wass, 1968)

Reids Dome, SW of Rolleston, Bowen Basin, Qld, 500 m at 55° from AOE No. 2 Well, at lat. 24° 51' S, long. 148° 20' E (loc. SP732). *Eurydesma* Limestone, Cattle Creek Formation, Tiverton Subgroup

Lower Permian (Artinskian)

RAMIPORA AMBROSIODES (Bretnall, 1926); Wass, 1968.

Aetomacladia ambrosioides Bretnall, 1926, p. 21

Ramipora ambrosioides (Bretnall); Wass, 1968, p. 22, Pl. 1, figs 4, 5; Pl. 2, figs 1, 2

C.P.C. 7017 (Pl. 2, fig. 1); C.P.C. 7018 (Pl. 1, fig. 4); C.P.C. 7019 (Pl. 1, fig. 5); C.P.C. 7020 (Pl. 2, fig. 2)—Figured specimens

Reids Dome, SW of Rolleston, Bowen Basin, Qld, 500 m at 320° from AOE No. 2 Well, at lat. 24° 51' S, long. 148° 19' E (loc. SP720). *Eurydesma* Limestone, Cattle Creek Formation, Tiverton Subgroup

C.P.C. 7022; C.P.C. 7023; C.P.C. 7024—Unfigured specimens

500 m at 55° from AOE No. 2 Well, at lat. 24° 51' S, long. 148° 20' E (loc. SP732)

Lower Permian (Artinskian)

RHOMBOPORA sp. Wass, 1968.

Rhombopora sp. Wass, 1968, p. 34, Pl. 10, fig. 1; text-figs 10-12

C.P.C. 7025—Figured specimen (Pl. 10, fig. 1, text-fig. 10) (polished surface); text-fig. 11 (longitudinal section); text-fig. 12 (transverse section)

Reids Dome, SW of Rolleston, Bowen Basin, Qld, 500 m at 320° from AOE No. 2 Well, at lat. 24° 51' S, long. 148° 19' E (loc. SP720). *Eurydesma* Limestone, Cattle Creek Formation, Tiverton Subgroup

Lower Permian (Artinskian)

SAFFORDOTAXIS ELEGANS Crockford, 1957; Wass, 1957

Saffordotaxis elegans Crockford, 1957, p. 77, Pl. 21, figs 1-4; Wass, 1967, p. 164

C.P.C. 7708; C.P.C. 7709—Unfigured specimens

Surface sample, 11.6 NNW of Table Hill, Port Keats area, N.T., lat. 14° 26' S, long. 129° 43' E (loc. 627/1)

Lower Permian

STENOPORA CRINITA Lonsdale, 1845; Wass, 1968.

Stenopora crinita Lonsdale, in Strzelecki, 1845, p. 265, Pl. 8, figs 5, 5a; Wass, 1968, Pl. 5, figs 2, 3; Pl. 6, fig. 1

C.P.C. 7127—Transverse section (Pl. 5, fig. 2; Pl. 6, fig. 1)

NNW of Clermont, Bowen Basin, Qld, 4.5 km at 180° from Mount Lebanon hstd, at lat. 22° 16' S, long. 147° 57' E (loc. CL12/1). Blenheim subgroup

Permian (Kungurian-Kazanian)

C.P.C. 7128—Tangential section (Pl. 5, fig. 3)

Reids Dome, SW of Rolleston, Bowen Basin, Qld, 500 m at 320° from AOE No. 2 Well, at lat. 24° 51' S, long. 148° 19' E (loc. SP720). *Eurydesma* Limestone, Cattle Creek Formation, Tiverton Subgroup

Lower Permian (Artinskian)

STENOPORA DICKINSI Ross,* 1963.

Stenopora dickinsi Ross, 1963, p. 73, Pl. 8, figs 1-3, 5-8; Pl. 9, figs 1-5, 7-9

C.P.C. 4692 (ML109-2)—Holotype (Pl. 8, figs 1, 7, 8; Pl. 9, fig. 5)

C.P.C. 4694 (ML109-3)—Paratype A (Pl. 8, fig. 5)

C.P.C. 4693 (ML109-1)—Unfigured paratype

125 m W of loc. ML106 (see below); upper part of Lyons Group

C.P.C. 4695 (ML106-1)—Paratype B (Pl. 9, fig. 8)

C.P.C. 4696 (ML106-2)—Paratype C (Pl. 8, fig. 6; Pl. 9, fig. 4)

C.P.C. 4697 (ML106-3)—Paratype D (Pl. 9, fig. 2)

C.P.C. 4699 (ML106-5)—Paratype E (Pl. 8, fig. 2; Pl. 9, figs 1, 3, 7)

C.P.C. 4698 (ML106-4)—Unfigured paratype

5 km NNE of Round Hill Well, Lyndon R. area, Carnarvon Basin, W.A. (ML106). Upper part of Lyons Group

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C.P.C. 4700 (ML90-2)—Paratype F (Pl. 8, fig. 3; Pl. 9, fig. 9)

C.P.C. 4701 (ML90-4)—Unfigured paratype

3 km NNE of Round Hill Well, Lyndon R. area, Carnarvon Basin (loc. ML90). 14 m below top of Lyons Group

Lower Permian

STENOPORA FISHERI Ross,* 1963.

Stenopora fisheri Ross, 1963, p. 75, Pl. 8, fig. 4; Pl. 10, figs 1-9

C.P.C. 4702 (ML107-4)—Holotype (Pl. 8, fig. 4; Pl. 10, figs 5, 6, 7)

C.P.C. 4704 (ML107-5)—Paratype A (Pl. 10, fig. 2)

C.P.C. 4705 (ML107-8)—Paratype B (Pl. 10, fig. 3)

C.P.C. 4703 (ML107-2)—Unfigured paratype

C.P.C. 4705a (ML107-7)—?Paratype (Pl. 10, fig. 2) not mentioned in text

Lyndon R. area, Carnarvon Basin, W.A. Uppermost part of Lyons Group

C.P.C. 4706 (ML109-4)—Paratype C (Pl. 10, figs 1, 4, 8)

125 m W of ML106, in Lyndon R. area, Carnarvon Basin (loc. ML109). Upper part of Lyons Group

Lower Permian

STENOPORA LYNDONI Ross, 1963.

Stenopora lyndoni Ross, 1963, p. 76, Pl. 11, figs 1-3, 6-10

C.P.C. 4707 (ML90-1)—Holotype (Pl. 11, figs 2, 3, 6)

C.P.C. 4708 (ML90-3)—Paratype (Pl. 11, figs 1, 7, 9)

3 km NNW of Round Hill Well, Lyndon R. area, Carnarvon Basin, W.Aust., lat. 23°

21' S, long. 114° 41' E, 14 m below top of Lyons Group

Lower Permian

STENOPORA OVATA Lonsdale, 1844; Wass, 1968.

Stenopora ovata Lonsdale in Darwin, 1844, p. 179; Wass, 1968, p. 25, Pl. 4, figs 3, 4; Pl. 5, figs 1, 4

C.P.C. 7129—Tangential section (Pl. 4, figs 3, 4); transverse section (Pl. 5, fig. 1)

C.P.C. 7130—Longitudinal section (Pl. 5, fig. 4)

C.P.C. 7126; C.P.C. 7153; C.P.C. 7154—Unfigured specimens

10 km S of Cracow, Bowen Basin, Qld, at 290° from Cracow hstd at lat. 25° 22' S, long. 150° 17' E (loc. L2575). Buffel Formation

Lower Permian (Artinskian)

STREBLASCOPE MARMIONENSIS (Bretnall, 1926); Wass, 1967; Wass, 1968.

Streblotrypa marmionensis Bretnall, 1926, p. 22, Pl. 1, figs 1, 7; Pl. 2, fig. 3

Streblascope marmionensis (Bretnall); Wass, 1967, p. 167, Pl. 5, figs 2, 3; Wass, 1968, p. 36, Pl. 10, figs 2-7

C.P.C. 7710—Figured specimen (Pl. 5, figs 2, 3)

C.P.C. 7711; C.P.C. 7712; C.P.C. 7713; C.P.C. 7714—Unfigured specimens

Surface sample, 11.6 km NNW of Table Hill, Port Keats area, N.T., lat. 14° 26' S, long. 129° 43' E (loc. 627/1)

C.P.C. 7028—(Pl. 10, fig. 3); C.P.C. 7029—(Pl. 10, fig. 6); C.P.C. 7030—(Pl. 10, fig. 2); C.P.C. 7031—(Pl. 10, fig. 7); C.P.C. 7032—(Pl. 10, fig. 6); C.P.C. 7033—(Pl. 10, fig. 3)—Figured specimens

Reids Dome, SW of Rolleston, Bowen Basin, Qld, 500 m at 320° from AOE No. 2 Well, at lat. 24° 51' S, long. 148° 19' E (loc. SP720). *Eurydesma* Limestone, Cattle Creek Formation, Tiverton Subgroup

Lower Permian (Artinskian)

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PORIFERA

- ARBORELLA MORS** Gatehouse, 1967.
Arborella mors Gatehouse, 1967, p. 61, Pl. 7, figs 1-8, Pl. 8, figs 1-9
- C.P.C. 7244—Figured specimen (Type I) (Pl. 7, fig. 1)
- C.P.C. 7245—Figured specimen (Type I) (Pl. 7, fig. 2)
- C.P.C. 7336—Figured specimen (Type I) (Pl. 7, fig. 3)
- C.P.C. 7249—Figured specimen (Type II) (Pl. 7, fig. 7)
- C.P.C. 7248—Figured specimen (Type III) (Pl. 7, fig. 6)
- C.P.C. 7251—Figured specimen (Type III) (Pl. 8, fig. 1)
- BMR Bore 13 (Sandover), core 11 at 2579-2582½ ft, 305 m NE of Alice Springs, N.T. Arthur Creek Beds
- C.P.C. 7246—Figured specimen (Type I) (Pl. 7, fig. 4)
- C.P.C. 7252—Figured specimen (Type II) (Pl. 8, fig. 2)
- C.P.C. 7257, 7258—Figured specimens (Type IV) (Pl. 8, figs 7, 8)
- Gidyea Water Bore at 44 m, 65 km NW of Avon Downs hstd on Barkly Hwy, N.T. Rankin Limestone
- C.P.C. 7247—Figured specimen (Type I) (Pl. 7, fig. 5)
- C.P.C. 7750—Figured specimen (Type II) (Pl. 7, fig. 8)
- C.P.C. 7753—Figured specimen (Type III) (Pl. 8, fig. 3)
- C.P.C. 7259—Figured specimen (Type V) (Pl. 8, fig. 9)
- Gidyea Water Bore at 36.5 m. Rankin Limestone
- C.P.C. 7254—Figured specimen (Type IV) (Pl. 8, fig. 4)
- C.P.C. 7256—Figured specimen (Type V) (Pl. 8, fig. 6)
- Gidyea Water Bore at 17-18 m. Rankin Limestone
- Middle Cambrian**
- PLEODIORIA TOMACIS** Öpik, 1961.
Pleodioria tomacis Öpik, 1961b, p. 49, Pl. 1, figs 1a, b, text-fig. 16
- C.P.C. 3646—Holotype
- W of Roaring Bore, headwaters of Burke R., NW Qld, lat. 20° 17' S, 140° 05' E, (loc. D7/15). Roaring Siltstone, 45-55m below top of formation
- Middle Cambrian**

VERTEBRATA

Marsupialia

BEMATHERIUM ANGULUM Tedford, 1967.

Bematherium angulum Tedford, 1967, p. 232, text-figs 6a-c

C.P.C. 7339—Holotype fragment of right mandible (text-figs 6a-c)—a, lingual; b, occlusal; c, labial views

Northern tip of Carl Creek, Limestone exposures capping narrow ridge 100 m E of Cambrian ridge escarpment, 2.5 km S of Verdon Cr., Riversleigh station, NW Qld (site C, fig. 1). Middle upper member of Carl Creek Limestone

?Late Oligocene or early Miocene

?*Marsupialian* ?*Genus* Tedford, 1967, p. 235

C.P.C. 7340—Unfigured specimen of ?fractured and distorted fragment of left horizontal ramus of lower jaw of small kangaroo

Riversleigh station, NW Qld. Carl Creek Limestone (?Site D, fig. 1)

?Late Oligocene or early Miocene

KOLOPSIS TORUS Woodburne, 1967.

Kolopsis torus Woodburne, 1967, p. 72, figs 5-6, tables 7-13

C.P.C. 6749—Holotype (fig. 5f)—occlusal view of right cheek tooth dentition

Paine Quarry, V6345, 7m SW of Alcoota station, 3.4 km SW of junction of Waite Cr. and Ongeva Cr., N.T. Waite Formation

Early Pliocene or late Miocene

PALORCHESTRINE gen. and sp. indet. Tedford, 1967.

Palorchestrine gen. and sp. indet. Tedford, 1967, p. 228, text-fig. 4a-b

C.P.C. 7337—Figured specimen (text-figs 4a, b) right maxillary fragment—a, labial view; b, occlusal view

Between Gregory R. and Verdon Cr., 7 km N of Riversleigh station hstd, NW Qld (Site D, fig. 1). Carl Creek Limestone

?Oligocene or Early Miocene

PLAISIODON CENTRALIS Woodburne, 1967.

Plaisiodon centralis Woodburne, 1967, p. 89, figs 7-8, tables 14-20

C.P.C. 6748—Holotype (fig. 7f)—Occlusal view of right cheek tooth dentition

Paine Quarry, V6345, 6.5 km SW of Alcoota station, 3.4 km of junction of Waite Cr. and Ongeva Cr., N.T. Waite Formation

Early Pliocene or late Miocene

PROTEMNODON BULOLOENSIS Plane, 1967.

Protemnodon buloloensis Plane, 1967, p. 44, figs. 11a-d

C.P.C. 6774—Holotype (fragmentary mandible of adult with teeth well worn)

At Sunshine alluvial gold sluicing workings, Sunshine locality, Woodard No. 1 Well, Bulowat 1-mile Sheet, PNG, V5564, type section, Obbauda Formation

Middle Pliocene

PROTEMNODON OTIBANDUS Plane, 1967.

Protemnodon otibandus Plane, 1967, p. 26, figs 6a-b

C.P.C. 6771—Holotype (right mandible) 6a mandible, labial view; 6b mandible, occlusal view

C.P.C. 6772—Unfigured specimen (deciduous premolar)

C.P.C. 6773—Unfigured specimen (pes)

W cliff 6 m above W bank of Watut R., 2.9 km S of Gold and Power Company's residence at Nautit-rule Sheet, PNG, Otibanda Formation (type locality of Awe Fauna)

Middle Pliocene

PYRAMIOS ALCOOTENSE Woodburne, 1967.

Pyramios alcootense Woodburne, 1967, p. 57, figs 1-4, tables 1-6

C.P.C. 6949—Holotype (fig. 1g)—Occlusal view of right cheek tooth dentition

Paine Quarry, V6345, 6.5 km SW of Alcoota station, 3.4 km of junction of Waite Cr. and Ongeva Cr., N.T. Waite Formation

Early Pliocene or late Miocene

ZYGOMATURINE gen. and sp. indet. Tedford, 1967.

Zygomaturine gen. and sp. indet. Tedford, 1967, p. 231, text-figs 5a-c

C.P.C. 7338—Figured specimen (text-figs 5a-c), single molariform tooth—a, labial view; b, occlusal view; c, lingual view

Between Gregory R. and Verdon Cr., 7 km N of Riversleigh station hstd, NW Qld (Site D, fig. 1). Carl Creek Limestone

?Late Oligocene or early Miocene

Pisces

BOTHRIOLEPIS sp. Gilbert-Tomlinson, 1968.

Bothriolepis sp. Gilbert-Tomlinson, 1968, p. 215, Pl. 15, figs 3-6, text-fig. 8

C.P.C. 6922—Figured specimen (Pl. 15, figs 1, 3-5)—left anterior dorso-lateral plate

C.P.C. 6923—Figured specimen (fig. 6)—right anterior dorso-lateral plate

Dare Plain, 225 km WSW of Alice Springs, N.T., 180-210 m above local base of Pertnjara Formation, on NE limb of Mereenie Anticline

Late Devonian

?BOTHRIOLEPIS Gilbert-Tomlinson, 1968.

?*Bothriolepis* Gilbert-Tomlinson, 1968, p. 221, Pl. 15, fig. 2

C.P.C. 6924—Figured specimen of under plate of placoderm, locality the same as for *Bothriolepis* sp.

Late Devonian

BRACHYDONT TEETH Thomas, 1959.

Brachydont teeth Thomas, 1959, p. 29, figs 4b, c, d

C.P.C. 489—Figured specimen (fig. 4b)

C.P.C. 490—Figured specimen (fig. 4c)

C.P.C. 491—Figured specimen (fig. 4d)

3 km NW of Twelve Mile Bore, Brooking Springs, lat. 17° 5' S, long. 125° 2' E, Fitzroy Basin, W.A. Laurel Formation

Lower Carboniferous

CLADODONT TOOTH Thomas, 1959.

Cladodont tooth Thomas, 1959, p. 29, fig. 4a

C.P.C. 492—Figured specimen

3 km NW of Twelve Mile Bore, Brooking Springs station, lat. 17° 5' S, long. 125° 2' E, Fitzroy Basin, W.A. Laurel Formation

Lower Carboniferous

TRACE FOSSILS AND PROBLEMATICA

Named Animals

CHRONDITES? sp. Skwarko, 1967.

Chrondites? sp. Skwarko, 1967a, p. 24, Pl. 4, figs 1, 13

C.P.C. 5137—Figured specimen (Pl. 4, fig. 1)

Mt Beadell, Gibson Desert, W.A. (loc. 22)

Lower Cretaceous

C.P.C. 6969—Figured specimen (Pl. 4, fig. 13)

Ryan Buttes, 24.5 km at 100° from northern end of Lake Cobb, lat. 24° 12' S, long. 126° 15' E (loc. C4)

Jurassic

RHIZOCORALLIUM specimen A Veevers, 1962.

Rhizocorallium specimen A Veevers, 1962, p. 8, Pl. 1, figs 1-7

C.P.C. 286—Figured specimen

Godfrey Tank area, Canning Basin, W.Aust., lat. 20° 15' S, long. 127° 23' E, Godfrey Beds

Lower Cretaceous

RHIZOCORALLIUM specimen B Veevers, 1962.

Rhizocorallium specimen B Veevers, 1962, p. 9, Pl. 2, fig. 3

C.P.C. 287—Figured specimen

Godfrey Tank area, Canning Basin, W.A., lat. 20° 15' 5" S, long. 127° 23' E. Godfrey Beds

Lower Cretaceous

RHIZOCORALLIUM specimen C Veevers, 1962.

Rhizocorallium specimen C Veevers, 1962, p. 9, Pl. 2, fig. 6

C.P.C. 288—Figured specimen

Godfrey Tank area, Canning Basin, W.A., lat. 20° 15' S, long. 127° 23' E. Godfrey Beds

Lower Cretaceous

RHIZOCORALLIUM specimen D Veevers, 1962.

Rhizocorallium specimen D Veevers, 1962, p. 9, Pl. 2, fig. 1

C.P.C. 289—Figured specimen

Cape Leveque, Dampier Pen., W.A., lat. 16° 24' S, long. 124° 56' E. Leveque Sandstone

Lower Cretaceous

RHIZOCORALLIUM specimen E Veevers, 1962.

Rhizocorallium specimen E Veevers, 1962, p. 9, Pl. 2, fig. 2

C.P.C. 290—Figured specimen

Reeves Knoll, Canning Basin, W.A.

Lower Cretaceous

RHIZOCORALLIUM specimen F Veevers, 1962.

Rhizocorallium specimen F Veevers, 1962, p. 9, Pl. 2, fig. 4

C.P.C. 291—Figured specimen

Tabletop area, Canning Basin, W.A., lat. 22° 07' S, long. 124° 02' E. Kidson Beds

Lower Cretaceous

RHIZOCORALLIUM specimen G Veevers, 1962.

Rhizocorallium specimen G Veevers, 1962, p. 9, Pl. 2, fig. 5

C.P.C. 292—Figured specimen

Tabletop area, Canning Basin, W.A., lat. 22° 07' S, long. 124° 02' E. Kidson Beds

Lower Cretaceous

RHIZOCORALLIUM specimen H Veevers, 1962.

Rhizocorallium specimen H Veevers, 1962, p. 9, Pl. 2, fig. 7

C.P.C. 293—Figured specimen

Tabletop area, Canning Basin, W.A., lat. 22° 07' S, long. 124° 02' E. Kidson Beds

Lower Cretaceous

RHIZOCORALLIUM specimen I Veevers, 1962.

Rhizocorallium specimen I Veevers, 1962, p. 9, Pl. 3, fig. 2

C.P.C. 295—Figured specimen

3 km NW of Seymour R., crossing of Thornton-Riversleigh rd, Qld, lat. 19° 15' S, long. 138° 51' E, Formation unnamed

Lower Cretaceous

RHIZOCORALLIUM specimen J Veevers, 1962.

Rhizocorallium specimen J Veevers, 1962, p. 9, Pl. 3, fig. 3

C.P.C. 296—Figured specimen

Rumbalara area, N.T., lat. 25° 14' S, long. 134° 45' E. Rumbalara Shale (Bed D)

Lower Cretaceous

RHIZOCORALLIUM specimen K Veevers, 1962.

Rhizocorallium specimen K Veevers, 1962, p. 9, Pl. 3, fig. 4

C.P.C. 297—Figured specimen

Rumbalara area, N.T., lat. 25° 14' S, long. 134° 45' E. Rumbalara Shale

Lower Cretaceous

RHIZOCORALLIUM specimen L Veevers, 1962.

Rhizocorallium specimen L Veevers, 1962, p. 9, Pl. 3, fig. 5

C.P.C. 298—Figured specimen

Rumbalara area, N.T., lat. 24° 14' S, long. 134° 45' E. Rumbalara Shale

Lower Cretaceous

RHIZOCORALLIUM specimen M Veevers, 1962.

Rhizocorallium specimen M Veevers, 1962, p. 9, Pl. 3, fig. 6

C.P.C. 299—Figured specimen

Rumbalara area, N.T., lat. 25° 14' S, long. 134° 45' E. Rumbalara Shale

Lower Cretaceous

cf. **RHIZOCORALLIUM** Veevers, 1962.

cf. *Rhizocorallium*, Veevers, 1962, p. 9, Pl. 3, fig. 1

C.P.C. 294—Figured specimen

Mount Marmion, Fitzroy Basin, W.A., lat. 17° 23' S, long. 124° 21' E. ?Liveringa Formation

Lower Permian

Unnamed Animals

CASTINGS No. 1 Öpik, 1967.

Castings No. 1 Öpik, 1967a, p. 395, Pl. 2, fig. 1

C.P.C. 5361—Figured specimen (Pl. 2, fig. 1)—castings

Lat. 22° 17.5' S, long. 138° 59.5' E, Mungerebar-Mindyalla area, NW Qld (loc. G127). Mungerebar Limestone, Mindyallan zone of *Cyclagnostus quasi-vespa*

Early Upper Cambrian

PROBLEMATICUM Skwarko, 1967.

Problematicum Skwarko, 1967a, p. 24, Pl. 4, fig. 12

C.P.C. 6968—Figured specimen

14 km at 242° from Mt Samuel, Gibson Desert, W.A., lat. 25° 49' 37" S, long. 125° 47' 58" E (loc. BR9)

?Permian

PROBLEMATICUM A White, 1965.

Problematicum A White, 1965, p. 155; Pl. 1, fig. 1

C.P.C. 4315 Figured specimen

Loc. BRS4, on Broken R., SE of junction with Clarke R. (grid. ref. 260559), Clarke R. 1:250 000 Sheet, N Qld. Wairuna Formation

Silurian

PROBLEMATICUM B White, 1965.

Problematicum B White, 1965, p. 155; Pl. 1, fig. 2

C.P.C. 4316—Figured specimen

Loc. BRS4, as above, Wairuna Formation

Silurian

PROBLEMATICUM D White, 1965.

Problematicum D White, 1965, p. 155, Pl. 1, fig. 3

C.P.C. 4317—Figured specimen

Loc. BRS4, as above, Wairuna Formation

Silurian

TRACKS AND BURROWS Dickins & McTavish, 1963.

Tracks and burrows Dickins & McTavish, 1963, p. 138, Pl. 2, fig. 13

C.P.C. 4691—Figured Specimen

Beagle Ridge (BMR 10) Bore, Perth Basin, W.A., core 26 at 2405-2415 ft. Kockatea Shale

Lower Triassic

VERMES, Öpik, 1961.

Vermes, Öpik, 1961, p. 52, Pl. 1, fig. 2

C.P.C. 3648—Figured specimen

About 11 km E of Duchess, grass plain sloping gently to N, headwaters of Burke R., Qld, lat. 21° 22' S, long. 139° 58' E (loc. D17A) ('A' missing after 'D' on Pl. 1, fig. 2). Devoncourt Limestone

Middle Cambrian

WORM TRAILS? Skwarko, 1967.

Worm trails? Skwarko, 1967a, p. 24, Pl. 4, figs 10, 14

C.P.C. 6966—Figured specimen (Pl. 4, fig. 10)

14 km at 242° from Mt Samuel, Gibson Desert, W.A., lat. 25° 49' 37" S, long. 125° 57' 58" E (loc. BR9)

C.P.C. 6970—Figured specimen (Pl. 4, fig. 14)

Gibson Desert, W.A., lat. 28° 18' 48" S, long. 126° 03' 7" E, (loc. VNI, not given in list of localities in text)

?Permian

PLANTAE

ARAUCARITES CUTCHENSIS Feistmantel, 1881; White, 1961.

Araucarites cutchensis Feistmantel; White, 1961, p. 300, Pl. 2, fig. 4

C.P.C. 2860—Figured specimen

Lucas 4-Mile Sheet, NE Canning Basin, W.A. (loc. L35). Condren Member, Livingina Formation

Permian

ARAUCARITES sp. White, 1961.

Araucarites sp. White, 1961, p. 300, Pl. 2, fig. 1

C.P.C. 2861—Figured specimen

Mt Bannerman 4-Mile Sheet, NE Canning Basin, W.A. (loc. M15). Blina Shale

Triassic or Jurassic

BUCKLANDIA sp. White, 1961.

Bucklandia sp. White, 1961, p. 305, Pl. 8, fig. 2

C.P.C. 3761—Figured specimen

Lighthouse Cliff, Broome, Dampier Pen., W.A. Broome Sandstone

Upper Jurassic or Lower Cretaceous

CLADOPHLEBIS AUSTRALIS Morris, 1845; White, 1961, White, 1965.

Cladophlebis australis Morris; White, 1961, p. 304, Pl. 7, figs 1, 6; Pl. 8, fig. 1b; White, 1965, p. 163, Pl. 8, fig. 3

C.P.C. 3754 (1961, Pl. 7, fig. 1); C.P.C. 3755 (1961, Pl. 7, fig. 6)—Figured specimens

21.7 km N of Yarrie hstd, Canning Basin, W.A. Yarrie 4-Mile Sheet (loc. Y7). Callawa Sandstone

C.P.C. 3760b—Figured specimen

Lighthouse Cliffs, Broome, Dampier Pen., W.A. Broome Sandstone

C.P.C. 2881—Figured specimen

Gilbert R. locality, 65 km W of Georgetown and 8 km NW of Forest Home cattle station, N Qld (Grid. ref. 630715, Georgetown 1:250 000 sheet). Gilbert River Formation, base of middle bed

Jurassic or Lower Cretaceous

CLADOPHLEBIS ROYLEI Arber, 1901; Hill & Woods, 1964.

Cladophlebis roylei Arber, 1901, p. 548 (see *Pecopteris Lindleyana* Royle, 1839, p. 29, Pl. 2, fig. 4); Hill & Woods, 1964, p. 26, Pl. 13, fig. 6

C.P.C. 4400—Figured specimen

5.8 km N of Daunia hstd, W Bowen Basin, Qld. Upper Bowen Coal Measures

Permian

CYCADITES sp. White, 1965.

Cycadites sp. White, 1965, p. 163, Pl. 8, fig. 6

C.P.C. 2879—Figured specimen

Gilbert R. locality, 65 km W of Georgetown and 8 km NW of Forest Home cattle station, N Qld (Grid ref. 630715, Georgetown 1:250 000 Sheet). Gilbert River Formation, base of middle bed

Upper Jurassic or Lower Cretaceous

DANAEOPSIS HUGHESI Feistmantel; White, 1961.

Danaeopsis hughesi Feistmantel; White, 1961, p. 302, Pl. 3, fig. 6

C.P.C. 2864—Figured specimen

Mt Bannerman 4-Mile Sheet, NE Canning Basin, W.A. (loc. M29). Culdiva Sandstone

Middle Triassic

DICHOPTERIS DELICATULA Seward; White, 1961.

Dichopteris delicatula Seward; White, 1961, p. 304, Pl. 7, fig. 3

C.P.C. 3756—Figured specimen
3 km N of Goldwyer Well, 38 km S of
Broome, Dampier Pen., W.A. (loc.
A3). Broome Sandstone

Upper Jurassic or Lower Cretaceous

DICROIDIUM FEISTMANTELI John-
stone, 1895; White, 1961.

Dicroidium feistmanteli Johnstone; White,
1961, p. 302, Pl. 4, fig. 1

C.P.C. 2863—Figured specimen

Mt Bannerman 4-Mile Sheet, NE Canning
Basin, W.A. (loc. M29). Culdiva
Sandstone

Middle Triassic

DICROIDIUM ODONTOPTEROIDES

Morris, 1945; White, 1961.

Dicroidium odontopteroides Morris; White,
1961, p. 301, Pl. 3, fig. 3

C.P.C. 3874—Figured specimen

Cornish 4-Mile Sheet, NE Canning Basin,
W.A. (loc. C62). Culdiva Sandstone

Middle Triassic

EREMOPTERIS AUSTRALIS White,
1965.

Eremopteris australis White, 1965, p. 160,
Pl. 3, figs 4, 5; Pl. 4, figs 1, 2

C.P.C. 4320—?Holotype (Pl. 3, fig. 4)

C.P.C. 4322—Figured specimen (Pl. 3, fig.
5; Pl. 4, fig. 2)

C.P.C. 4323—Figured specimen (Pl. 4,
fig. 1)

Loc. BRS64, Grid ref. 279565, Clarke R.
1: 250 000 Sheet, N Qld. Clarke River
Formation

Carboniferous

EQUISETITES WOODSI Jones & de
Jersey, 1944; White, 1961.

Equisetites woodsi Jones & de Jersey;
White, 1961, p. 301, Pl. 3, fig. 2; Pl. 4,
fig. 4

C.P.C. 2872—Figured specimen (Pl. 3,
fig. 2)

Cornish 4-Mile Sheet, NE Canning Basin,
W.A. (loc. C31). Culdiva Sandstone

C.P.C. 2866—Figured specimen (Pl. 4, fig.
4)

Mt Bannerman 4-Mile Sheet, NE Canning
Basin (loc. M29). Culdiva Sandstone

Middle Triassic

EQUISETITES sp. nov. White, 1961.

Equisetites sp. nov. White, 1961, p. 300,
Pl. 2, figs 5, 6; Pl. 3, fig. 1 (omitted after
Pl. 3, p. 380), text-fig. 3

C.P.C. 2871—Figured specimen (Pl. 2, figs
5, 6; Pl. 3, fig. 1)

C.P.C. 2871a—Figured specimen (text-fig.
3)

Cornish 4-Mile Sheet, NE Canning Basin,
W.A. (loc. C8). Culdiva Sandstone

Middle Triassic

EQUISETALIAN STEMS White, 1961.

Equisetalian stems White, 1961, p. 300,
Pl. 2, figs 2, p. 302, Pl. 4, figs 2, 3

C.P.C. 2852—Figured specimens

Mt Bannerman 4-Mile Sheet, NE Canning
Basin, W.A. (loc. M23). Condren
Member, Liveringa Formation

Permian

C.P.C. 2965—Figured specimen

Mt Bannerman 4-Mile Sheet, NE Canning
Basin (loc. M29). Culdiva Sandstone

Middle Triassic

'EURY-CYCADOLEPSIS'? White, 1961.

'Eury-Cycadolepsis'? White, 1961, p. 302,
Pl. 5, fig. 2

C.P.C. 2870—Figured specimen

Mt Bannerman 4-Mile Sheet, NE Canning
Basin, W.A. (loc. M29) [not M23 as
shown in explanation of plate 5]. Culdiva
Sandstone

Middle Triassic

GANGAMOPTERIS CYCLOPTEROIDES

Feistmantel, 1876; White, 1961; Hill & Woods, 1964.

Gangamopteris cyclopteroides Feistmantel, 1876, p. 73 (for type figures see Feistmantel, 1879); White, 1961, p. 300, Pl. 1, fig. 5; Hill & Woods, 1964, p. 28, Pl. 14, fig. 1a

C.P.C. 2857—Figured specimen (White, 1961, Pl. 300, Pl. 1, fig. 5)

Mt Bannerman 4-Mile Sheet, NE Canning Basin, W.A. (loc. M30). Condren Member, Liveringa Formation

C.P.C. 4431—Figured specimen (Hill & Woods, 1964, p. 28, Pl. P14, fig. 1a)

40 km W of Welfern hstd, N Qld. Agate Creek Volcanics

Permian

GINKGOITES ANTARCTICA Saporta; White, 1961.

Ginkgoites antarctica Saporta; White, 1961, p. 301, Pl. 3, fig. 5

C.P.C. 2876—Figured specimen

Cornish 4-Mile Sheet, NE Canning Basin, W.A. (loc. C62). Culdiva Sandstone

Middle Triassic

GLOSSOPTERIS ANGUSTIFOLIA Brongniart, 1828; Hill & Woods, 1964.

Glossopteris angustifolia Brongniart, 1828, p. 227, Pl. 63, fig. 1; Hill & Woods, 1964, p. 28, Pl. P14, figs 1b, 2b

C.P.C. 4431a—Figured specimen (Pl. P14, fig. 1b)

40 km W of Welfern hstd, N Qld. Agate Creek Volcanics

C.P.C. 4393b—Figured specimen (Pl. P14, fig. 2b)

2.4 km NNW of Daunia hstd, W Bowen Basin, N Qld. Upper Bowen Coal Measures

Permian

GLOSSOPTERIS COMMUNIS Feistmantel, 1881; White, 1961.

Glossopteris communis Feistmantel; White, 1961, p. 298, Pl. 1, fig. 3

C.P.C. 2849—Figured specimen

Lucas 4—Mile Sheet, NE Canning Basin, W.A. (loc. L44). Condren Member, Liveringa Formation

Permian

GLOSSOPTERIS CONSPICUA Feistmantel, 1879; Hill & Woods, 1964.

Glossopteris conspicua Feistmantel, 1879, p. 104, Pl. 28A, figs 1, 5, 6, 8, 9; Hill & Woods, 1964, p. 28, Pl. P14, fig. 2a

C.P.C. 4393—Figured specimen

2.4 km NNW of Daunia hstd, W Bowen Basin, N Qld. Upper Bowen Coal Measures

Permian

GLOSSOPTERIS INDICA Schimper, 1869; White, 1961; Hill & Woods, 1964.

Glossopteris indica Schimper; White, 1961, p. 298, Pl. 1, fig. 2; Hill & Woods, 1964, p. 28, Pl. P14, fig. 3

C.P.C. 2848—Figured specimen

Lucas 4-Mile Sheet, NE Canning Basin, W.A. (loc. L44). Condren Member, Liveringa Formation

BRM. F.21887—Hypotype

7 miles SE of Mt Musgrave hstd, N Qld. Nychum Volcanics

Permian

HAUSMANNIA cf. **H. BUCHII** Andrea; White, 1961.

Hausmannia cf. *H. Buchii* Andrea; White, 1961, p. 306, Pl. 8, fig. 4

C.P.C. 3763—Figured specimen

Lighthouse Cliffs, Broome, Dampier Pen., W.A. Broome Sandstone

Upper Jurassic or Lower Cretaceous

LEPIDODENDRON sp. White & Condon, 1959.

Lepidodendron sp. White & Condon, 1959, p. 59, figs 5, 7, 8; p. 60, figs 9-12

C.P.C. 2618—Figured specimen (specimen No. F21681) (p. 59, fig. 5)

- C.P.C. 2620—Figured specimen (specimen No. F21583) (p. 59, fig. 7)
- C.P.C. 2621—Figured specimen (specimen No. F21584) (p. 59, fig. 8)
- 2.3 km W of N of Moogooree hstd, Carnarvon Basin, W.A., lat. 24° 03' 45" S, long. 115° 12' 10" E. Base of Lyons Group
- C.P.C. 2619—Figured specimen (specimen No. F21582)
- 1.8 km SSW of Williambury hstd, Carnarvon Basin, W.A., lat. 25° 52.5' S, long. 115° 08' 20" E. Near base of Lyons Group
- C.P.C. 2622—Figured specimen (specimen No. F21585) (p. 60, fig. 9)
- 1.3 km S of Williambury, Carnarvon Basin, W.A., lat. 23° 52' 16" S, long. 115° 08' 55" E. Near base of Lyons Group
- C.P.C. 2623—Figured specimen (specimen No. F21586) (p. 60, fig. 10)
- C.P.C. 2624—Figured specimen (specimen No. F21586) (p. 60, fig. 11)
- C.P.C. 2625—Figured specimen (specimen No. F21588) (p. 60, fig. 12)
- 2.3 km W of N of Moogooree hstd, Carnarvon Basin, W.A., lat. 24° 03' 45" S, long. 115° 12' 05" E. Base of Lyons Group

Carboniferous or Permian

LEPIDODENDRON sp. (stem) White & Condon, 1959.

Lepidodendron sp. White & Condon, 1959, p. 61, figs 13, 14, 15 (1)

C.P.C. 2625a—Figured specimen (specimen No. F21589)

2.3 km W of N of Moogooree hstd, Carnarvon Basin, W.A., lat. 24° 03' 55" S, long. 115° 12' 05" E. About 15 m above base of Lyons Group

Carboniferous or Permian

LEPTOPHLOEUM AUSTRALE McCoy, 1874; White, 1961; White, 1965.

Leptophloeum australe McCoy; White, 1961, p. 298, Pl. 1, fig. 1; Pl. 9, fig. 3. White, 1965, p. 158, Pl. 2, figs 1-5

C.P.C. 2835—Figured specimen (1961, Pl. 1, fig. 1)

Billiluna 4-Mile Sheet, NE Canning Basin, W.A. (loc. B4)

C.P.C. 3765—Figured specimen (1961, Pl. 9, fig. 3)

Core sample at 2498 feet in BMR 2 (stratigraphic) Bore, Laurel Downs, Canning Basin, lat. 18° 7' S, long. 125° 20' E

Upper Devonian or Lower Carboniferous

C.P.C. 2830—Figured specimen (1965, Pl. 2, fig. 1)

Locality pt. 3, 4/5043, 7 km NNW of Gilberton station, (Grid ref. 128592, Gilberton 1 : 250 000 Sheet), N Qld. Base of Gilberton Formation

C.P.C. 2831—(1965, fig. 3); C.P.C. 2832 (1965, fig. 5); C.P.C. 2833 (1965, fig. 2); C.P.C. 2834 (1965, fig. 4)—Figured specimens

Locality pt. 2a/5016, 1.5 km S of Gilberton station, (Grid ref. 133584, Gilberton 1 : 250 000 Sheet). Base of Gilberton Formation

Devonian

LINGUIFOLIUM DENMEADI Jones & de Jersey, 1944; White, 1961.

Linguifolium denmeadi Jones & de Jersey; White, 1961, p. 302, Pl. 4, fig. 3

C.P.C. 2841—Figured specimen

Cronin Hills, Runton 4-Mile Sheet, NE Canning Basin, W.A. (loc. Run. 63). Cronin Sandstone

Upper Triassic or Jurassic

LINGUIFOLIUM LILLEANUM Arber; White, 1965.

Linguifolium lilleanum Arber; White, 1965, p. 1963, Pl. 8, fig. 4

C.P.C. 2883—Figured specimen

Gilbert R. locality, 65 km W of Georgetown and 8 km NW of Forest Home cattle station, N Qld. Gilbert River Formation, base of middle bed

Upper Jurassic or Lower Cretaceous

LINGUIFOLIUM sp. White, 1965.

Linguifolium sp. White, 1965, p. 163, Pl. 8, fig. 1

C.P.C. 2880—Figured specimen

Gilbert R. locality, 65 km W of Georgetown and 8 km NW of Forest Home cattle station, N Qld. Gilbert River Formation, base of middle bed

Upper Jurassic or Lower Cretaceous

NILSSONIA SCHAUMBERGENSIS

Dunker; White, 1961.

Nilssonia schaumbergensis Dunker; White, 1961, p. 305, Pl. 7, fig. 4

C.P.C. 3757—Figured specimen

3 km N of Goldwyer Well, 38 km S of Broome, Dampier Pen., W.A. (loc. A8). Broome Sandstone

Upper Jurassic or Lower Cretaceous

NOEGGERATHIOPSIS HISLOPI Bunbury, 1861; White, 1961; Hill & Woods, 1964; White, 1965.

Noeggerathiopsis hislopi Bunbury; White, 1961, p. 307, Pl. 10, figs 2, 3; Hill & Woods, 1964, p. 28, Pl. P14, fig. 6; White, 1965, p. 161, Pl. 5, figs 1, 2

C.P.C. 3767—Figured specimen (White, 1961, figs 2, 3)

Prices Creek Bore for BMR Bore, 21 km N of Christmas Creek hstd, Canning Basin, W.A., lat 18° 42' S, long. 125° 53' E. Grant Formation

C.P.C. 4327—Figured specimen (Hill & Woods)

40 km W of Welfern hstd, N Qld. Agate Creek Volcanics

C.P.C. 4326 (White, 1965, fig. 1); C.P.C. 4327 (White, 1965, fig. 2)—Figured specimens

Locality DAW 2 (Grid ref. 118618, Gilberton 1 : 250 000 Sheet) N Qld. Agate Creek Volcanics

Permian

'NEORHACOPTERIS MINUTA' White, 1961.

'Neorhacopteris minuta' White, 1961, p. 303, Pl. 5, fig. 4

C.P.C. 3749—Figured specimen

23 km NW of Callawa hstd, Canning Basin, W.A. Yarrie 4-Mile Sheet (loc. Y23). Callawa Formation

Upper Jurassic or Lower Cretaceous

OTOZAMITES BENGALENSIS Oldham & Morris, 1963; White, 1961.

Otozamites bengalensis Oldham & Morris; White, 1961, p. 305, Pl. 7, fig. 5

C.P.C. 3759—Figured specimen

Top of cliff section at Entrance Point, Roebuck Bay, Broome, Dampier Pen., W.A. Broome Sandstone

Upper Jurassic or Lower Cretaceous

PAGIOPHYLLUM PEREGRINUM

Schlotheim; White, 1961.

Pagiophyllum peregrinum Schlotheim; White, 1961, p. 303, Pl. 5, fig. 5

C.P.C. 3750—Figured specimen

16 km NW of Callawa hstd, Canning Basin, W.A. Yarrie 4-Mile Sheet (loc. Y23). Callawa Formation

Upper Jurassic or Lower Cretaceous

PHYLLOPTERIS LANCEOLATA

Walkom; White, 1961.

Phyllopteris lanceolata Walkom; White, 1961, p. 163, Pl. 8, fig. 5

C.P.C. 2884—Figured specimen

Gilbert R. locality, 65 km W of Georgetown and 8 km NW of Forest Home cattle station, N Qld. Gilbert River Formation, base of middle bed

Upper Jurassic or Lower Cretaceous

PHYLLOTHECA ROBUSTA Feistmantel, 1879; Hill & Woods, 1964.

Phyllothea robusta Feistmantel, 1879a. p. 68, Pl. 14A, figs 1, 2, Hill & Woods, 1964, p. 26, Pl. P13, fig 1

C.P.C. 4402—Figured specimen

2.4 km NNW of Daunia hstd, W Bowen Basin, Qld. Upper Bowen Coal Measures

Permian

PSILOPHYTON sp. White, 1965.

Psilophyton sp. White, 1965, p. 157, Pl. 2, fig. 7

C.P.C. 4318—Figured specimen

Locality BRS30 (Grid ref. 268559 Clarke R. 1 : 250 000 Sheet), N Qld. Broken River Formation

Devonian

PTILOPHYLLUM PECTEN Phillips, 1829; White, 1961.

Ptilophyllum pecten Phillips; White, 1961, p. 305, Pl. 8, fig. 1

C.P.C. 3760 (a)—Figured specimen

Lighthouse Cliffs, Broome, Dampier Pen., W.A. Broome Sandstone

Upper Jurassic or Lower Cretaceous

RHACOPTERIS OVATA McCoy, 1874; White, 1965.

Rhacopteris ovata McCoy; White, 1965, p. 160, Pl. 2, fig. 5

C.P.C. 4325—Figured specimen

Locality BRS 67 (Grid ref. 284563, Clarke R. 1 : 250 000 Sheet), N Qld. Clarke River Formation

Carboniferous

RUFFORDIA MORTONI Walkom; White, 1961.

Ruffordia mortoni Walkom; White, 1961, p. 304, Pl. 5, figs 6, 7

C.P.C. 3751 (fig. 6); C.P.C. 3752 (fig. 7)—Figured specimens

16 km NW of Callawa hstd, Canning Basin, W.A., Yarrie 4-Mile Sheet (loc. Y23). Callawa Formation

Upper Jurassic or Lower Cretaceous

SAMAROPSIS sp. (seeds) White, 1961.

Samaropsis sp. (seeds) White, 1961, p. 307, Pl. 10, fig. 3

C.P.C. 3767—Figured specimens

Prices Cr. Water Bore, 21 km N of Christmas Creek hstd, Canning Basin, W.A., core between 61 and 62 ft, lat. 18° 42' S, long. 125° 53' E. Grant Formation

Permian

STENOPTERIS TRIPINNATA Walkom, 1922; White, 1961.

Stenopteris tripinnata Walkom; White, 1961, p. 302, Pl. 4, fig. 6

C.P.C. 2840—Figured specimen

Cronin Hills, Runton 4-Mile Sheet, NE Canning Basin, W.A., lat. 23° 15' S, long. 123° 20' E (loc. RN63). Cronin Sandstone

Upper Jurassic or Triassic

STIGMARIA FICOIDES Brongniart, 1928; White, 1965.

Stigmaria ficoides Brongniart; White, 1965, p. 159, Pl. 3, fig. 1

C.P.C. 4319—Figured specimen

Locality 2273, (Grid ref. 280603, Clarke R. 1 : 250 000 Sheet), N Qld. Clarke River Formation

Carboniferous

VERTEBRARIA AUSTRALIS McCoy, 1874; White, 1961.

Vertebraria australis McCoy; White, 1961, p. 298, Pl. 1, fig. 4

C.P.C. 2850—Figured specimens

Condren Pinnacles, Lucas 4-Mile Sheet, NE Canning Basin, W.A. (loc. L44). Condren Member, Liveringa Formation

Permian

VERTEBRARIA INDICA Royle, 1839; Hill & Woods, 1964.

Vertebraria indica Royle, 1839, p. 39, Pl. 2, figs 1-7; Hill & Woods, 1964, p. 28, Pl. P13, fig. 4

C.P.C. 4358—Figured specimen

Nebo-Collinsville road, 2.5 km S of Blenheim Cr., N Bowen Basin, N Qld. Upper Bowen Coal Measures

Permian

ZAMITES sp. White, 1961.

Zamites sp. White, 1961, p. 305, Pl. 8, fig. 3

C.P.C. 3762—Figured specimen

Lighthouse Cliffs, Broome, Dampier Pen., W.A. Broome Sandstone

Upper Jurassic or Lower Cretaceous

Cycad pith casts with Equisetalean stems, White, 1961

Cycad pith casts with Equisetalean stems, White, 1961, p. 300, Pl. 2, fig. 3

C.P.C. 2854—Figured specimens

Mt Bannerman 4-Mile Sheet, NE Canning Basin, W.A. (loc. M23). Condren Member, Liveringa Formation

Permian

Petrified thin stems, White, 1961

Petrified thin stems, White, 1961, p. 306, Pl. 9, fig. 2

C.P.C. 3764—Figured specimen

BMR 2 Bore, Laurel Downs, Canning Basin, W.A., lat. 18° 7' S, long. 125° 20' E

Upper Devonian or Lower Carboniferous

Plant remains on rock surface, White, 1961

A. *Elatocladus planus* Feistmantel

B. *Taeniopteris* cf. *T. elongata* Walkom

C. *Ptilophyllum pecten* Phillips

White, 1961, p. 303, Pl. 6, fig. 1

C.P.C. 2842—Figured specimen

Cronin Hills, Runton 4-Mile Sheet, NE Canning Basin, W.A. (loc. Rn66). Cronin Sandstone

Upper Triassic or Jurassic

Plant remains on rock surface, White, 1961

A. Stem with ring markings

B. Fine frond

C. *Pachypteris* sp.

White, 1961, p. 304, Pl. 6, figs 3, 4, 5

C.P.C. 3853—[not 373 as on explanation of Pl. 6]—Figured specimens a. fig. 3; b. fig. 4; c. fig. 5

22 km W of N of Yarrie hstd, Canning Basin, W.A., Yarrie 4-Mile Sheet (loc. Y7). Callawa Sandstone

Upper Jurassic or Lower Cretaceous

Stem fragments, White, 1965

Stem fragments, White, 1965, p. 157, text-figs 4b, c, d

C.P.C. 4311—(text-fig. 4b); C.P.C. 4313 (text-fig. 4c); C.P.C. 4314 (text-fig. 4d)—Figured specimens

Locality BRS14 (Grid ref. 252559, Clarke R. 1 : 250 000 Sheet), N Qld, Broken River Formation

Devonian

Stem Fragments, White, 1965

Stem Fragments, White, 1965, p. 158, text-fig. 5

Locality VIII (Grid ref. 205563, Clarke R. 1 : 250 000 Sheet), N Qld. Bundock Creek Formation

Devonian

Stem impressions, White, 1965

Stem impressions, White, 1965, p. 157, text-fig. 4a

C.P.C. 4312—Figured specimen

Locality BRS15 (Grid ref. 253558, Clarke R. 1 : 250 000 Sheet), N Qld. Broken River Formation

Devonian

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