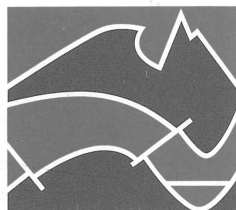


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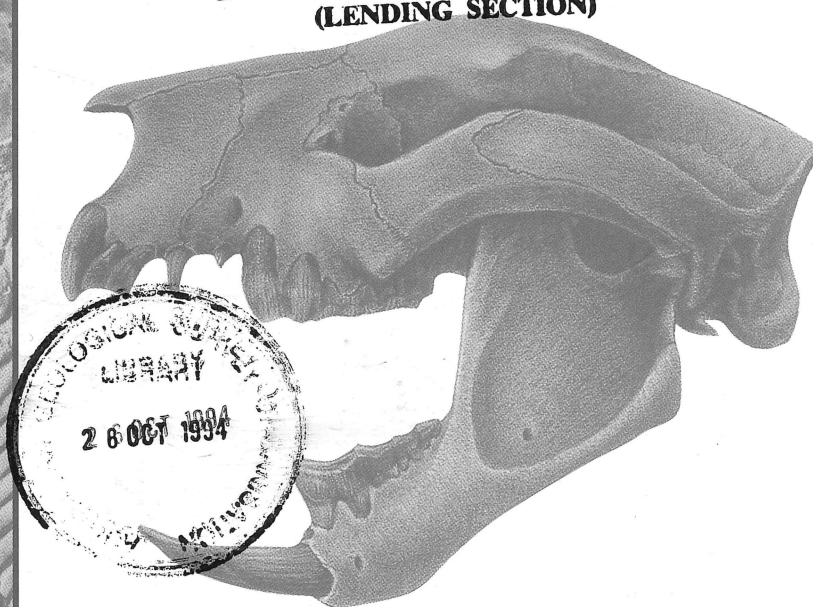
AUSTRALIAN
GEOLOGICAL SURVEY
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CPC CATALOGUES 4

**CATALOGUE OF TYPE, FIGURED AND CITED SPECIMENS IN THE
COMMONWEALTH PALAEOLOGICAL COLLECTION**

VERTEBRATA Angela C. Davis

**BMR PUBLICATIONS COMPACTUS
(LENDING SECTION)**



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**NATIONAL GEOSCIENCE INFRASTRUCTURE AND RESEARCH PROGRAM
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Catalogues of specimens belonging to some taxonomic groups in the Commonwealth Palaeontological Collection are already available. These are listed below, and can be purchased from the AGSO Sales Centre, GPO Box 378, Canberra A.C.T., Australia 2601.

1. Catalogue of type, figured and cited specimens in the Commonwealth Palaeontological Collection. **Brachiopoda**, by D.L. Strusz. *Bureau of Mineral Resources, Australia, Report 298*; 289 pp. (1990)
2. Catalogue of type, figured and cited specimens in the Commonwealth Palaeontological Collection **Bryozoa**, by D.L. Strusz. *Bureau of Mineral Resources, Australia, Report 305*; 73 pp. (1991)
3. Catalogue of type, figured and cited specimens in the Commonwealth Palaeontological Collection **Archaeocyatha, Porifera, Coelenterata**, by D.L. Strusz. *Australian Geological Survey Organisation, Report 307*, 72 pp. (1992)

Cover illustration. Sketch restoration by Peter Murray of the skull of the marsupial lion *Wakaleo vanderleueri*, from the Miocene Camfield Beds at Bullock Creek in the Northern Territory. The almost complete cranium used for this reconstruction (CPC 26604), as well as the holotype of the species (CPC 13527), are registered specimens in the Commonwealth Palaeontological Collection, Canberra. Reproduced with the permission of the illustrator, and the Museums and Art Galleries of the Northern Territory.

Department of Primary Industries and Energy

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

RECORD 1994/32

**Catalogue of Type, Figured and Cited specimens in the
Commonwealth Palaeontological Collection**

VERTEBRATA

by

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CANBERRA 1994



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DEPARTMENT OF PRIMARY INDUSTRIES AND ENERGY

Minister for Resources: Hon. David Beddall, MP

Secretary: Greg Taylor

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

Executive Director: Harvey Jacka

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Abstract: This catalogue, the fourth of a series, lists all published fossil vertebrates registered in the Commonwealth Palaeontological Collection, Canberra. It contains over 1180 specimens of fossil fish, amphibians, reptiles, birds and mammals, including 46 holotypes, 24 being type species. Details of taxonomic rank, morphology, citation, locality, horizon and age are provided for each specimen. This catalogue forms part of the international responsibility of the Australian Geological Survey Organisation under Article 72(g) Recommendation 72G of the Code (International Commission on Zoological Nomenclature 1985).

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INTRODUCTION

The **Commonwealth Palaeontological Collection (CPC)** is a national collection of Australasian type and reference fossils housed in Canberra, and administered by the Australian Geological Survey Organization (AGSO), previously known as the Bureau of Mineral Resources, Geology & Geophysics (BMR). It originated with the appointment of a Commonwealth Palaeontologist in 1927, and since the 1950's has grown from a small collection of about 1,000 specimens to its current size of over 30,000 specimens which have been described, figured, or referred to in scientific publications. The rapid increase in size in recent years reflects a strong research effort to document fossil faunas and floras from important localities throughout Australia, as well as Papua New Guinea, Australian Antarctic Territory, and the seafloor of our continental shelves. All of these areas have been the subject of geological investigations by AGSO. The CPC forms a taxonomic database which underpins all biochronological dating of Australasian Phanerozoic sedimentary sequences, and thus forms the basis for biochronological age control using various fossil groups, which is an integral part of most geological investigations concerned with stratified rocks. Such investigations include geological mapping projects, and subsurface analysis of Australasian sedimentary basins, which are undertaken by AGSO in support of petroleum and mineral exploration and land use activities throughout the continent.

The vertebrate part of the CPC at present contains 1180 published specimens, of which 46 are holotypes (23 fishes, one amphibian, one reptile, five birds, and 16 mammals, with 24 of these being type species). Specimens included in this catalogue come from many fossil vertebrate localities in the Australasian region notable for their excellent preservation and/or biostratigraphic or evolutionary significance. The material ranges in age from Ordovician to Recent, and thus spans the entire 450-million year evolutionary history of the vertebrates, as known from the fossil record. Many CPC specimens are of international significance, particularly fishes, birds, and mammals. Amongst the fishes these include the holotype of *Arandaspis prionotolepis* from the Ordovician of central Australia, the oldest known vertebrate represented by articulated remains. From the Devonian of central Australia come representatives of the Pituriaspida, a possible new class of vertebrates discovered only in the last decade. The Aztec fish fauna from the Transantarctic Mountains of southern Victoria Land, in the eastern sector of Australian Antarctic Territory, is one of the most diverse fossil vertebrate assemblages known from the Antarctic continent. The spectacular preservation of fishes from Devonian rocks in the Burrinjuck Dam area, near Canberra, and at Gogo, in the Canning Basin of Western Australia, has attracted international attention. A significant collection of fossil bird material from the Tertiary of central Australia includes the holotype of *Dromornis stirtoni*, perhaps the largest and heaviest bird ever known. Much of the marsupial material comes from important fossil localities at Alcoota, Bullock Creek, and Kangaroo Well in the Northern Territory, all of which were discovered by BMR geological mapping teams in the 1960's (Plane & Gatehouse 1968; Tedford 1991). Concurrent field investigations by BMR on Riversleigh Station in northwest Queensland used fossil content to distinguish the Cambrian Thornton Limestone from the vertebrate-bearing Carl Creek Limestone, of Tertiary age. This limestone has since yielded a spectacular array of fossil vertebrates from the Riversleigh area, and the site has recently been nominated by the Australian Government for World Heritage listing. Specimens from Riversleigh in the CPC include *Bematherium angulatum* Tedford, the first fossil marsupial to be named from the Riversleigh site, by R.H. Tedford (1967) in *BMR Bulletin* 92. Finally, the CPC has important specimens of birds and marsupials from Plio-Pleistocene sites in Papua New Guinea, in the discovery of which BMR geological field work also played a significant role (see Plane 1991).

Early catalogues of specimens in the CPC produced by Dr Irene Crespin (1960, 1971, 1974) covered entries to the end of 1969. Those of 1960 and 1974 included the small number of fossil vertebrates which had been described at that time. The present catalogue is the fourth in the current series being produced from the AGSO 'Oracle' database PALEO. Previous catalogues in this series (Strusz 1990-1992) were published in the *AGSO Report* series, now discontinued. All vertebrate fossil specimens held in the CPC which have been referred to in a publication are listed in this catalogue, including some published in the earlier literature without numbers, or with numbers prefixed by 'F', all of which have now been allocated a CPC number. Not covered by this catalogue is the large collection of important unpublished vertebrate material housed in the AGSO Palaeontological Repository at Fyshwick, A.C.T.

The vertebrate catalogue is arranged in systematic order using a classification modified from Vickers-Rich *et al.* (1991, pp. 1411-1418). The classification down to family level is given in the 'Table of Contents'. Genus and species names are arranged alphabetically within each family. Generally the name (formal or informal) last used in the

literature is retained, with additional comments where there are subsequent changes in taxonomic position. Indeterminate material or taxa of uncertain position are listed in numerical order under an *incertae sedis* heading at the end of the lowest taxon to which they can be assigned.

Each specimen in the catalogue is first listed by its **CPC number**, followed by the appropriate category: **Holotype**, **Paratype**, **Figured** or **Cited specimen** (in order of significance). 'Cited specimen' is used (*sensu* Brunton *et al.* 1985) for all non-holotype and unfigured specimens mentioned by number in a publication. A brief description of each specimen follows, taken from the original publication. The first significant published reference to the specimen is then given, with pagination for the reference, taxonomic description, or specimen description as appropriate. Figure or plate numbers are given for illustrated specimens. Subsequent references to the specimen which add information are mentioned under **Remarks**. Given the extremely diverse literature it is beyond the scope of this catalogue to include a complete citation list for each specimen. Holotypes of species which are 'type species' for a genus are noted under 'Remarks'.

Locality, horizon and age information appear after the first reference, with locality details abbreviated from the original publication. All distances are given in kilometres. Fossil marsupial locality numbers with the prefix 'UCMPV' refer to the locality register of the Museum of Paleontology, University of California, Berkeley, USA. Horizon details generally follow that in the original publication, with some abbreviation. Geological period and stage names follow usage in the AGSO Phanerozoic Timescales Series (*BMR Records* 1989/31-40). Age assessments have been updated from the original publication where new information is available. For discussion of the age of vertebrate fossil occurrences in Australia see Young (1993) and Turner (1993) for the Devonian, and Stirton *et al.* (1968), Woodburne *et al.* (1985), Archer *et al.* (1989), and Rich *et al.* (1991) for the Cainozoic.

Morphological terminology generally follows that of the original publications, which can be consulted for more detailed explanation. Standard abbreviations for placoderm dermal bones follow usage in Young & Gorter (1981) and Young (1988a). For marsupials there is widespread disagreement over cheek tooth homologies and enumeration systems, with several systems being used in the literature at any one time (see Mahoney & Ride 1975; Archer 1978, 1984; Rich 1991; Luckett 1993). In this catalogue the terminology for cheek teeth follows that used in the majority of references cited here, that is P1 P2 P3 DP3 M1 M2 M3 M4. For consistency, alternative tooth enumerations appearing in the original publication have been converted here to follow the above terminology. Other abbreviations used are: UCMP, University of California, Museum of Paleontology, Berkeley, U.S.A.; AGSO, Australian Geological Survey Organisation, Canberra; BMR, Bureau of Mineral Resources, Geology & Geophysics; ANU, Australian National University, Canberra; QM, Queensland Museum, Brisbane; AM, Australian Museum, Sydney; PNG, Papua New Guinea National Museum, Port Moresby.

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Many people contributed in various ways to the production of this catalogue. D.L. Strusz, M. Owen, R. Ryburn, S. Lenz, T. Boston, and M. Ross contributed to improvements to the structure of the PALEO Database, and development of the report-writing program used to produce the catalogue format, and/or provided advice on computer entry. C.S. Findlay was largely responsible for preparation of data entry sheets from the literature, and carried out data entry for much of the vertebrate information in the PALEO database. R.W. Brown filled out data entry sheets for a large proportion of the antiarch material. M.D. Plane provided advice on the early marsupial material, and details of the collection and whereabouts of specimens. Many colleagues in other institutions assisted in locating or checking details of borrowed specimens, including the following: M. Archer, I. Bigalale, K. Black, K. Campbell, B. Cooke, T. Flannery, E. Fordyce, H. Godthelp, R. Jones, J. Long, J. Menzies, R. Molnar, J. Muirhead, P. Murray, N. Pledge, P. Rich, J. Scanlon, R. Tedford, T. Thulborn, M. Tyler, S. Turner, and R. Wells. Professors K.S.W. Campbell and W.D.L. Ride provided advice on nomenclature of fishes and marsupials respectively, Dr. G.C. Young contributed greatly with details of specimens and literature, particularly those pertaining to fishes, and Dr P. Pridmore is thanked for useful discussions and advice. Dr. D. Strusz read through and checked various versions of the manuscript, advised on overall format, and reviewed the final manuscript as series editor. Finally, Dr. G.C. Young is thanked for initiating this project and providing the first working draft of the catalogue, and for constant advice, support and discussions on all aspects of the manuscript.

Phylum CHORDATA
Subphylum VERTEBRATA
Superclass AGNATHA
Class HETEROSTRACI
Order THELODONTIDA
Family NIKOLIVIIDAE

***Gampsolepis?* sp. indet.**

- CPC 20086:** Figured specimen (tricuspid scale) - TURNER, JONES & DRAPER, 1981, p. 60, fig. 13.
Locality: GEO 65/28 of Turner *et al.* (1981, fig. 2), 42 km south of shot-point localities on the western side of the Toko Syncline, Toomba Range, Queensland, Australia.
Horizon: Cravens Peak Beds, Georgina Basin.
Age: Emsian-Eifelian, Early-Middle Devonian.

Family TURINIIDAE

***Turinia antarctica* TURNER & YOUNG, 1992**

- CPC 26411:** Figured specimen (precaudal? scale impression) - TURNER & YOUNG, 1992, pp. 92-103, fig. 8A.
Locality: MC4 of Young (1988a, fig. 4) at Mount Crean in the Lashly Range, southern Victoria Land, Antarctica.
Horizon: Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
Remarks: This specimen is also figured by Young (1991b, fig. 15.11A).
- CPC 26412:** Figured specimen (postpectoral scale impression) - TURNER & YOUNG, 1992, pp. 92-103, fig. 8B.
Locality, horizon and age as for CPC 26411.
Remarks: This specimen is also figured by Young (1991b, fig. 15.11B).
- CPC 26413:** Figured specimen (head scale impression) - TURNER & YOUNG, 1992, pp. 92-103, fig. 8C.
Locality, horizon and age as for CPC 26411.
Remarks: This specimen is also figured by Young (1991b, fig. 15.11C).
- CPC 26414:** Figured specimen (postpectoral and head scale impression) - TURNER & YOUNG, 1992, pp. 92-103, fig. 8E.
Locality, horizon and age as for CPC 26411.
Remarks: This specimen is also figured by Young (1991b, fig. 15.11E).
- CPC 26415:** Figured specimen (oral or pinnal scale impression) - TURNER & YOUNG, 1992, pp. 92-103, fig. 8H.
Locality, horizon and age as for CPC 26411.
Remarks: This specimen is also figured by Young (1991b, fig. 15.11D).
- CPC 28588:** Figured specimen (cephalopectoral scale impression) - TURNER & YOUNG, 1992, pp. 92-103, fig. 8D.
Locality, horizon and age as for CPC 26411.
- CPC 28589:** Figured specimen (cephalopectoral scale impression) - TURNER & YOUNG, 1992, pp. 92-103, fig. 8F.
Locality, horizon and age as for CPC 26411.

- CPC 28590:** Figured specimen (cephalopectoral scale impression) - TURNER & YOUNG, 1992, pp. 92-103, figs 7K-L, 8G.
Locality, horizon and age as for CPC 26411.
Remarks: Scales illustrated in figs 7K-L are associated with CPC 26225, a PVL plate of *Bothriolepis* (Young 1988a, pl. 5, fig. 8).
- CPC 28591:** Figured specimen (four scales - thin sections) - TURNER & YOUNG, 1992, pp. 92-103, fig. 10.
Locality: MC3 of Young (1988a, fig. 4) at Mount Crean in the Lashly Range, southern Victoria Land, Antarctica.
Horizon and age as for CPC 26411.
- CPC 28592 to CPC 28597:** Cited specimens (scale impressions) - TURNER & YOUNG, 1992, pp. 92-103.
Locality: Portal Mountain, Section P1 of Askin *et al.* (1971), southern Victoria Land, Antarctica.
Horizon: Unit 4 in the Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 28598:** Figured specimen (cephalopectoral or postpectoral scale impression) - TURNER & YOUNG, 1992, pp. 92-103, fig. 9B.
Locality, horizon and age as for CPC 28592.
- CPC 28599:** as for CPC 28592.
- CPC 28600:** Figured specimen (cephalopectoral scale impression) - TURNER & YOUNG, 1992, pp. 92-103, fig. 9E.
Locality, horizon and age as for CPC 28592.
- CPC 28601:** Figured specimen (head scale impression) - TURNER & YOUNG, 1992, pp. 92-103, fig. 9A.
Locality, horizon and age as for CPC 28592.
- CPC 28602 to CPC 28604:** as for CPC 28592.
- CPC 28605:** Figured specimen (cephalopectoral? scale impression) - TURNER & YOUNG, 1992, pp. 92-103, fig. 9D.
Locality, horizon and age as for CPC 28592.
- CPC 28606:** Figured specimen (cephalopectoral scale impression) - TURNER & YOUNG, 1992, pp. 92-103, fig. 9F.
Locality, horizon and age as for CPC 28592.
- CPC 28607 to CPC 28612:** as for CPC 28592.
- CPC 28613:** Figured specimen (postpectoral scale impression) - TURNER & YOUNG, 1992, pp. 92-103, fig. 9C.
Locality, horizon and age as for CPC 28592.
- CPC 28614:** as for CPC 28592.

***Turinia australiensis* GROSS, 1971**

- CPC 20080:** Figured specimens (5 scales) - TURNER, JONES & DRAPER, 1981, pp. 58-59, figs 10J-L, 11H.
Locality: GEO 65/28 of Turner *et al.* (1981, fig. 2), 42 km south of shot-point localities on the western side of the Toko Syncline, Toomba Range, Queensland, Australia.
Horizon: Cravens Peak Beds, Georgina Basin.
Age: Emsian-Eifelian, Early-Middle Devonian.
Remarks: Only 4 of the 5 specimens from this locality (CPC 20080/1-4) are figured (cf. Turner *et al.* 1981, p. 58). The number suffix refers to the numbered square on the microfossil slide.

- CPC 20081:** Figured specimens (9 scales) - TURNER, JONES & DRAPER, 1981, pp. 58-59, figs 9A,D,G, 10A, 11A,E,G,I,J.
Locality: SP 798 of Turner *et al.* (1981, fig. 2), eastern limb of the Toko Syncline, Toko Range, Queensland, Australia.
Horizon and age as for CPC 20080.
Remarks: In the caption to figure 10A, CPC 20071/8 is an error for CPC 20081/8. The number suffix refers to the numbered square on the microfossil slide.
- CPC 20082:** Figured specimens (10 scales) - TURNER, JONES & DRAPER, 1981, pp. 58-59, figs 10B,C,H, 11D.
Locality: SP 799 of Turner *et al.* (1981, fig. 2), eastern limb of the Toko Syncline, Toko Range, Queensland, Australia.
Horizon and age as for CPC 20080.
Remarks: Only 4 of the 10 scales catalogued from locality SP 799 are figured (CPC 20082/3-4, 7, 9). The number suffix refers to the numbered square on the microfossil slide.
- CPC 20083:** Figured specimens (7 scales) - TURNER, JONES & DRAPER, 1981, pp. 58-59, figs 9E-F,I, 10D-F,I, 11C,F.
Locality: SP 801 of Turner *et al.* (1981, fig. 2), eastern limb of the Toko Syncline, Toko Range, Queensland, Australia.
Horizon and age as for CPC 20080.
Remarks: Only 5 of the 7 scales catalogued from locality SP 801 are figured (CPC 20083/1, 3-4, 6-7). Scales 4 and 7 are figured twice. The number suffix refers to the numbered square on the microfossil slide.
- CPC 20084:** Figured specimens (6 scales) - TURNER, JONES & DRAPER, 1981, pp. 58-59, figs 9B-C,H,J, 10G, 11B.
Locality: SP 813 of Turner *et al.* (1981, fig. 2), eastern limb of the Toko Syncline, Toko Range, Queensland, Australia.
Horizon and age as for CPC 20080.
- CPC 20085:** Figured specimens (2 scales) - TURNER, JONES & DRAPER, 1981, pp. 58-59, figs 9K-L.
Locality: SP 839 of Turner *et al.* (1981, fig. 2), eastern limb of the Toko Syncline, Toko Range, Queensland, Australia.
Horizon and age as for CPC 20080.

***Turinia cf. pagei* (POWRIE, 1870)**

- CPC 20079:** Figured specimens (18 head scales) - TURNER, JONES & DRAPER, 1981, pp. 54-55, figs 6-8.
Locality: GEO 65/28 of Turner *et al.* (1981, fig. 2), 42 km south of shot-point localities on western side of Toko Syncline, Toomba Range, Queensland, Australia.
Horizon: Cravens Peak Beds, Georgina Basin.
Age: Emsian-Eifelian, Early-Middle Devonian.
Remarks: Only 16 of the 18 specimens from this locality (CPC 20079/1-7, 9-11, 14, 16, 18-20, 22) are figured (cf. Turner *et al.* 1981). The number suffix refers to the numbered square on the microfossil slide.

***Turinia? cf. hutkensis* BLIECK & GOUJET, 1978**

- CPC 17015:** Figured specimen (body scale) - YOUNG & GORTER, 1981, pp. 91-93, text-fig. 2A; pl. 1, fig. 1.
Locality: 18 km northwest of Wee Jasper village, Burrinjuck Dam area, southeastern New South Wales, Australia.
Horizon: 1900 m above the base of the Hatchery Creek Conglomerate, Lachlan Fold Belt.
Age: Eifelian?, Middle Devonian.

- CPC 17016: Figured specimen (head scale) - YOUNG & GORTER, 1981, pp. 91-93, text-fig. 2D; pl. 1, figs 5-6.
Locality, horizon and age as for CPC 17015.
- CPC 17017: Figured specimen (scale) - YOUNG & GORTER, 1981, pp. 91-93, text-fig. 2E; pl. 1, figs 11-12.
Locality, horizon and age as for CPC 17015.
- CPC 17018: Figured specimen (scale) - YOUNG & GORTER, 1981, pp. 91-93, text-fig. 2K; pl. 2, figs 1-2.
Locality, horizon and age as for CPC 17015.
- CPC 17019: Figured specimen (head scale) - YOUNG & GORTER, 1981, pp. 91-93, text-fig. 2B; pl. 1, figs 3-4.
Locality, horizon and age as for CPC 17015.
- CPC 17020: Figured specimen (scale) - YOUNG & GORTER, 1981, pp. 91-93, text-fig. 2G; pl. 1, fig. 10.
Locality, horizon and age as for CPC 17015.
- CPC 17021: Figured specimen (head scale) - YOUNG & GORTER, 1981, pp. 91-93, text-fig. 2C.
Locality, horizon and age as for CPC 17015.
- CPC 17022: Figured specimen (scale) - YOUNG & GORTER, 1981, pp. 91-93, text-fig. 2F.
Locality, horizon and age as for CPC 17015.
- CPC 17023: Figured specimen (body scale) - YOUNG & GORTER, 1981, pp. 91-93, text-fig. 2N; pl. 1, figs 13-14.
Locality, horizon and age as for CPC 17015.
- CPC 17024: Figured specimen (scale) - YOUNG & GORTER, 1981, pp. 91-93, pl. 1 fig. 2.
Locality, horizon and age as for CPC 17015.
- CPC 17025: Figured specimen (body scale) - YOUNG & GORTER, 1981, pp. 91-93, text-fig. 2L; pl. 1, fig. 9.
Locality, horizon and age as for CPC 17015.
- CPC 17026, CPC 17027: Cited specimens (scales) - YOUNG & GORTER, 1981, pp. 91-93.
Locality, horizon and age as for CPC 17015.
- CPC 17028: Figured specimen (body scale) - YOUNG & GORTER, 1981, pp. 91-93, text-fig. 2M; pl. 1, figs 7-8.
Locality, horizon and age as for CPC 17015.
- CPC 17029 to CPC 17034: as for CPC 17026.
- CPC 17035: Figured specimen (scale) - YOUNG & GORTER, 1981, pp. 91-93, text-fig. 2H.
Locality, horizon and age as for CPC 17015.
- CPC 17036 to CPC 17037: as for CPC 17026.
- CPC 17038: Figured specimen (scale) - YOUNG & GORTER, 1981, pp. 91-93, text-fig. 2J.
Locality, horizon and age as for CPC 17015.
- CPC 17039 to CPC 17040: as for CPC 17026.

***Turinia* sp. indet.**

- CPC 25768: Figured specimen (body scale) - YOUNG *et al.*, 1987, pp. 237-239, fig. 5A.
Locality: ND6 of Young *et al.* (1987, fig. 2B), 600 m east of the northern end of N'Dhala Gorge, Ross River Syncline, Northern Territory, Australia.
Horizon: N'Dahla Member, Parke Siltstone, Pertnjara Group, Amadeus Basin.

Age: Emsian-Eifelian, Early-Middle Devonian.

CPC 25769: Figured specimen (body scale) - YOUNG *et al.*, 1987, pp. 237-239, fig. 5B.

Locality, horizon and age as for CPC 25768.

CPC 25770: Figured specimen (body scale) - YOUNG *et al.*, 1987, pp. 237-239, fig. 5C.

Locality: ND4 of Young *et al.* (1987, fig. 2B), 200 m east of the northern end of N'Dhala Gorge, Ross River Syncline, Northern Territory, Australia.

Horizon: N'Dahla Member, Parke Siltstone, Pertnjara Group, Amadeus Basin.

Age: Emsian-Eifelian, Early-Middle Devonian.

CPC 25771: Figured specimen (body scale) - YOUNG *et al.*, 1987, pp. 237-239, fig. 5D.

Locality, horizon and age as for CPC 25770.

CPC 25772: Figured specimen (body scale) - YOUNG *et al.*, 1987, pp. 237-239, fig. 5E.

Locality, horizon and age as for CPC 25770.

CPC 25773: Figured specimen (body scale) - YOUNG *et al.*, 1987, pp. 237-239, fig. 5F.

Locality, horizon and age as for CPC 25768.

CPC 25774: Figured specimen (head scale) - YOUNG *et al.*, 1987, pp. 237-239, fig. 5G.

Locality, horizon and age as for CPC 25768.

CPC 25775: Figured specimen (head scale) - YOUNG *et al.*, 1987, pp. 237-239, fig. 5H.

Locality, horizon and age as for CPC 25770.

CPC 25776: Figured specimen (head scale) - YOUNG *et al.*, 1987, pp. 237-239, fig. 5I.

Locality, horizon and age as for CPC 25768.

CPC 25777: Figured specimen (head scale) - YOUNG *et al.*, 1987, pp. 237-239, fig. 5J.

Locality, horizon and age as for CPC 25770.

Order ARANDASPIDIDA

Family ARANDASPIDIDAE

Arandaspis prionotolepis RITCHIE & GILBERT-TOMLINSON, 1977

CPC 13202: HOLOTYPE (cephalothoracic shield and part of the trunk covering of an articulated individual) - RITCHIE & GILBERT-TOMLINSON, 1977, pp. 351-381, figs 3A-D, 4A-C.

Locality: Mt Watt, 177 km south of Alice Springs, Northern Territory, Australia.

Horizon: Stairway Sandstone, Amadeus Basin.

Age: Middle Ordovician.

Remarks: This is the type species of *Arandaspis*. Reconstructions of *Arandaspis prionotolepis* are provided by Ritchie & Gilbert-Tomlinson (1977, fig. 8), Ritchie (1985, pp. 95-101), Long (1991, p. 344, fig. 4), and Turner (1991, p. 433, fig. 1) and the specimen is re-illustrated by Vickers-Rich & Rich (1993, pl. 50).

CPC 13203 to CPC 13205: Cited specimens (trunk fragments) - RITCHIE & GILBERT-TOMLINSON, 1977, pp. 351-381.

Locality, horizon and age as for CPC 13202.

CPC 13206: Figured specimen (portion of a dermal plate) - RITCHIE & GILBERT-TOMLINSON, 1977, pp. 351-381, fig. 5D.

Locality, horizon and age as for CPC 13202.

CPC 13207 to CPC 13210: as for CPC 13203.

CPC 13211: Figured specimen (plate fragment showing polygonal ornament) - RITCHIE & GILBERT-TOMLINSON, 1977, pp. 351-381, fig. 4D.

Locality, horizon and age as for CPC 13202.

Remarks: This specimen was assigned to *Arandaspis prionotolepis* in the formal description (p. 367), but cited as *Arandaspis* ? sp. in the caption to figure 4D.

CPC 13212: as for CPC 13203.

CPC 13214: Figured specimen (trunk scale) - RITCHIE & GILBERT-TOMLINSON, 1977, pp. 351-381, fig. 6D.

Locality, horizon and age as for CPC 13202.

CPC 13215: as for CPC 13203.

CPC 13216: Figured specimen (trunk scale) - RITCHIE & GILBERT-TOMLINSON, 1977, pp. 351-381, fig. 6E.

Locality, horizon and age as for CPC 13202.

CPC 13217 to CPC 13221: as for CPC 13203.

CPC 15469: Figured specimen (block of sandstone containing various specimens) - RITCHIE & GILBERT-TOMLINSON, 1977, pp. 351-381, figs 5A-C, 6A-C.

Locality, horizon and age as for CPC 13202.

Remarks: CPC 15469 is a block of sandstone (labelled a-e) as follows: a, *Arandaspis prionotolepis*; b, *Arandaspis* sp.; c and d, *Arandaspis*? sp.; e, trunk scales.

CPC 15470: Figured specimen (left and right posterior portions of dorsal or ventral shield) - RITCHIE & GILBERT-TOMLINSON, 1977, pp. 351-381, figs 7, 9.

Locality, horizon and age as for CPC 13202.

Arandaspis ? sp. indet.

CPC 13211: Cited here as *Arandaspis prionotolepis*.

ARANDASPIDIDA *incertae sedis*

***Porophoraspis crenulata* RITCHIE & GILBERT-TOMLINSON, 1977**

CPC 13213: HOLOTYPE (incomplete dermal plate) - RITCHIE & GILBERT-TOMLINSON, 1977, pp. 367-351, figs 10A-D.

Locality: Mt Watt, 177 km south of Alice Springs, Northern Territory, Australia.

Horizon: Stairway Sandstone, Amadeus Basin.

Age: Middle Ordovician.

Remarks: This is the type species of *Porophoraspis*.

AGNATHA *incertae sedis*

Order PITURIASPIDA

Family PITURIASPIDIDAE

***Pituriaspis doylei* YOUNG, 1991**

- CPC 27712: HOLOTYPE** (almost complete shield preserved in part and counterpart) - YOUNG, 1991a, pp. 67-85, text-figs 2B, 3; pl. 1, figs A-B.
Locality: Toko Syncline area, southwestern Queensland, Australia.
Horizon: Cravens Peak Beds, Georgina Basin.
Age: Emsian-Eifelian, Early-Middle Devonian.
Remarks: This is the type species of *Pituriaspis*. CPC 27711 (the holotype of *Neeyambaspis enigmatica*) occurs on the same specimen.
- CPC 27713:** Figured specimen (nearly complete shield preserved in part and counterpart) - YOUNG, 1991a, pp. 67-85, text-figs 6, 7A-B; pl. 1, fig. C; pl. 2, figs A-B.
Locality, horizon and age as for CPC 27712.
- CPC 27714:** Figured specimen (incomplete shield) - YOUNG, 1991a, pp. 67-85, text-fig. 4A-B; pl. 2, figs C-D.
Locality, horizon and age as for CPC 27712.
- CPC 27715:** Figured specimen (incomplete shield) - YOUNG, 1991a, pp. 67-85, text-fig. 5C; pl. 2, fig. E.
Locality, horizon and age as for CPC 27712.
- CPC 27716:** Figured specimen (posterior spine and posterolateral part of shield) - YOUNG, 1991a, pp. 67-85, text-figs 5A-B; pl. 2, fig. F.
Locality, horizon and age as for CPC 27712.
Remarks: CPC 27716 is larger than the other specimens assigned to *Pituriaspis doylei*, with well developed tubercular ornament, and has only provisionally been assigned to the species (Young 1991a, p. 69).

Order *incertae sedis*

Family NEEYAMBASPIDIDAE

***Neeyambaspis enigmatica* YOUNG, 1991**

- CPC 27711: HOLOTYPE** (incomplete impression of presumed dorsal surface of shield) - YOUNG, 1991a, pp. 67-85, text-fig. 2A; pl. 1B.
Locality: Toko Syncline area, southwestern Queensland, Australia.
Horizon: Cravens Peak Beds, Georgina Basin.
Age: Emsian-Eifelian, Early-Middle Devonian.
Remarks: This is the type species of *Neeyambaspis*. CPC 27712 (the holotype of *Pituriaspis doylei*) occurs on the same sample.

Superclass GNATHOSTOMATA

Class PLACODERMI

Order ACANTHOTHORACI

Family WEEJASPERASPIDIDAE

***Murrindalaspis wallacei* LONG, 1984**

- CPC 26548:** Figured specimen (sclerotic capsule, PDL plate, pelvic girdles, numerous scales, and fragments of dermal armour) - LONG & YOUNG, 1988, pp. 65-80, figs 1-2, 3A-B, 4-7, 8A, 8D, 9-10.
Locality: Ridge about 1 km SW from Taemas Bridge, Burrinjuck Dam, New South Wales, Australia.
Horizon: *Receptaculites* Limestone, Taemas Formation, Murrumbidgee Group, Lachlan Fold Belt.

Age: Emsian, late Early Devonian.

Remarks: The specimen is re-illustrated by Vickers-Rich & Rich (1993, pl. 64).

CPC 26549: Figured specimen (AVL plate) - LONG & YOUNG, 1988, pp. 65-80, figs 8B-C.

Locality: Uncertain, but probably from the western shore of Goodradigbee Inlet, north of Wee Jasper, Burrinjuck Dam, New South Wales, Australia.

Horizon and age as for CPC 26548.

Family BRINDABELLASPIDIDAE

***Brindabellaspis stensioi* YOUNG, 1980**

CPC 16987: HOLOTYPE (incomplete skull roof) - YOUNG, 1980, pp. 10-76, text-figs 2-3; pl. 1, figs 2-3; pl. 2, figs 1-2,6.

Locality: Uncertain, but probably from the western shore of Goodradigbee Inlet, north of Wee Jasper, Burrinjuck Dam, New South Wales, Australia.

Horizon: *Receptaculites* Limestone, Taemas Formation, Murrumbidgee Group.

Age: Emsian, late Early Devonian.

Remarks: This is the type species of *Brindabellaspis*.

CPC 16988: Figured specimen (incomplete skull and braincase) - YOUNG, 1980, pp. 10-76, text-figs 5-6, pl. 1 figs 1, 4-5; pl. 2, figs 7-8.

Locality, horizon and age as for CPC 16987.

CPC 16989: Cited specimen (fragment of skull roof) - YOUNG, 1980, pp. 10-76.

Locality: Cave Flat, Cave Island, 5.2 km ENE of Burrinjuck Dam wall, New South Wales, Australia.

Horizon and age as for CPC 16987.

CPC 16990: Figured specimen (incomplete submarginal plate) - YOUNG, 1980, pp. 10-76, text-fig. 17; pl. 1, figs 6-8.

Locality, horizon and age as for CPC 16987.

CPC 16991: Figured specimen (part of left lateral and ventral dermal trunk-shield, with scapulocoracoid) - YOUNG, 1980, pp. 10-76, text-figs 19, 21; pl. 2, figs 3-5.

Locality, horizon and age as for CPC 16989.

Order PETALICHTHYIDA

Family MACROPETALICHTHYIDAE

***Shearsbyaspis oepiki* YOUNG, 1985**

CPC 24622: Figured specimen (incomplete skull roof) - YOUNG, 1985b, pp. 122-126, figs 2B, 3, 5.

Locality: Below 'Shearsby's Wallpaper', western bank of the Murrumbidgee River 1 km upstream from the old Taemas Bridge, New South Wales, Australia.

Horizon: *Spirifer yassensis* Limestone, Taemas Formation, Murrumbidgee Group.

Age: Emsian, late Early Devonian.

***Wijdeaspis warrooensis* YOUNG, 1978**

CPC 16975: HOLOTYPE (incomplete skull and braincase) - YOUNG, 1978, pp. 103-116, figs 1, 2A-C, 3-7.

Locality: Western shore of Goodradigbee Inlet, Burriajuck Dam, Wee Jasper area, New South Wales, Australia.

Horizon: 'Crinoidal Limestone' (of Browne 1959), Taemas Formation, Murrumbidgee Group.

Age: Emsian, late Early Devonian.

CPC 16976: Paratype (left spinal plate) - YOUNG, 1978, pp. 103-116, figs 2D-E, 8.

Locality: 2 km SE of CPC 16975 location, north of Wee Jasper, New South Wales, Australia.

Horizon and age as for CPC 16975.

Order PHYLLOLEPIDA

Family WUTTAGOONASPIDIDAE

***Wuttagoonaspis* sp.**

CPC 25343: Figured specimen (left submarginal plate) - YOUNG, 1986, p. 34, fig. 14A.

Locality: Toko Syncline area, Queensland, Australia.

Horizon: Craven Peak Beds, Georgina Basin.

Age: Emsian-Eifelian, Early-Middle Devonian.

CPC 26544: Figured specimen (spinal plate) - YOUNG, 1988b, p. 374, fig. 13.

Locality: Mount Winter, Northern Territory, Australia.

Horizon: Basal Pertnjara Group, western Amadeus Basin.

Age: Emsian-Eifelian, Early-Middle Devonian.

wuttagoonaspid gen. et sp. indet.

CPC 24671: Cited specimen (junction of spinal and AL plates?) - YOUNG, 1985a, p. 242.

Locality: Milton's locality, eastern rim of Gosses Bluff, Northern Territory, Australia.

Horizon: Basal Pertnjara Group, western Amadeus Basin.

Age: Emsian-Eifelian, Early-Middle Devonian.

CPC 24672: Cited specimen (spinal plate) - YOUNG, 1985a, p. 242.

Locality, horizon and age as for CPC 24671.

Family PHYLLOLEPIDIDAE

***Austrophyllolepis* sp. indet.**

CPC 26542: Figured specimen (left PVL plate) - YOUNG, 1988b, p. 370, figs 6B-C.

Locality: H183 of Young (1988b, fig. 4), southeast Dulcie Range, Northern Territory, Australia.

Horizon: Dulcie Sandstone, Georgina Basin.

Age: Late Devonian (? Famennian).

***Phyllolepis* sp.**

See 'phyllolepid gen. et sp. indet.'

With the description of endemic Australian genera *Austrophyllolepis* and *Placolepis* (Long 1984b; Ritchie 1984) all incomplete remains ascribed in the literature to *Phyllolepis* (previously the only recognised genus in the family) now have uncertain generic status. Material described by Hills (1959) as *Phyllolepis* sp. was included by Young (1988) as 'phyllolepid gen. et sp. indet. 3'.

***Placolepis* sp. indet.**

CPC 26543: Figured specimen (left PNu plate) - YOUNG, 1988b, pp. 370-371, figs 9A-B.

Locality: GY7 of Young (1988b, fig. 4), southeast Dulcie Range, Northern Territory, Australia.

Horizon: Dulcie Sandstone, Georgina Basin.

Age: Late Devonian (? Famennian).

phyllolepid gen. et sp. indet. 1 YOUNG, 1988

CPC 26534: Figured specimen (right PVL plate, in part and counterpart) - YOUNG, 1988b, p. 367, figs 5, 7A.

Locality: Deering Hills, 600 m west of Section MLW3 of Young (1988b, fig. 2), west of Alice Springs, Northern Territory, Australia.

Horizon: Harajica Sandstone Member, Parke Siltstone, Pertnjara Group, Amadeus Basin.

Age: Givetian-Frasnian, Middle-Late Devonian.

phyllolepid gen. et sp. indet. 2 YOUNG, 1988

CPC 26535: Figured specimen (left PVL plate, with associated plate) - YOUNG, 1988b, pp. 367-369, figs 6A, 7B.

Locality: Southern flank of Waterhouse Range (see Young 1988b, fig.3), SW of Alice Springs, Northern Territory, Australia.

Horizon: Ooraminna Sandstone Member, Hermannsburg Sandstone, Pertnjara Group, Amadeus Basin.

Age: Late Devonian.

phyllolepid gen. et sp. indet. 3 YOUNG, 1988

CPC 26536: Figured specimen (indeterminate plate) - HILLS, 1959, p. 175, pl. 8D.

Locality: JW3 of Young (1988b, fig. 4), southeast Dulcie Range, Northern Territory, Australia.

Horizon: uppermost Dulcie Sandstone, Georgina Basin.

Age: Late Devonian (? Famennian).

Remarks: Hills (1959) described this specimen as an AVL plate of *Phyllolepis* sp. but Young (1988b) regarded it as an indeterminate plate which he included within his taxonomic group 'phyllolepid gen. et sp. indet. 3'.

CPC 26537: Figured specimen (PVL? plate) - HILLS, 1959, p. 175, pl. 8, fig. E.

Locality, horizon and age as for CPC 26536.

Remarks: Hills (1959) described this specimen as a PVL plate of *Phyllolepis* sp. however, it was later referred to 'phyllolepid gen. et sp. indet. 3' by Young (1988b).

CPC 26538: Figured specimen (MD? plate) - YOUNG, 1988b, pp. 369-370, fig. 8A.

Locality: GY6 of Young (1988b, fig. 4), southeast Dulcie Range, Northern Territory, Australia.

Horizon and age as for CPC 26536.

CPC 26539: Figured specimen (AL? plate) - YOUNG, 1988b, pp. 369-370, fig. 8B.

Locality, horizon and age as for CPC 26538.

CPC 26540: Figured specimen (incomplete AVL plate) - YOUNG, 1988b, pp. 369-370, fig. 8C.
Locality: GY7 of Young (1988b, fig. 4), southeast Dulcie Range, Northern Territory, Australia.
Horizon and age as for CPC 26536.

CPC 26541: Cited specimen (indeterminate) - YOUNG, 1988b, pp. 369-370.
Locality: H80 of Young (1988b, fig. 4), southeast Dulcie Range, Northern Territory, Australia.
Horizon: 120 m below the top of the Dulcie Sandstone, Georgina Basin.
Age: Late Devonian (? Famennian).

phyllolepid gen. et sp. indet.

CPC 17001: Cited specimen (incomplete left AVL plate) - FERGUSON *et al.*, 1979, p. 103.
Locality: Locality 1, Lochiel-Nethercote district, Pambula, New South Wales, Australia.
Horizon: Facies 3, Boyd Volcanic Complex, Lachlan Fold Belt.
Age: Givetian-Frasnian, Middle-Late Devonian.

CPC 17011: Cited specimen (fragments with phyllolepid ornament) - FERGUSON *et al.*, 1979, p. 103.
Locality: Locality 4, Lochiel-Nethercote district, Pambula, New South Wales, Australia.
Horizon and age as for CPC 17001.

CPC 17013: Cited specimen (indeterminable fragment) - FERGUSON *et al.*, 1979, p. 103.
Locality: Near Twofold Bay, southeastern New South Wales, Australia.
Horizon: Twofold Bay Formation, Merrimbula Group, Lachlan Fold Belt.
Age: Frasnian, Late Devonian.

CPC 24692: Figured specimen (ornamented fragment) - YOUNG, 1985a, p. 245, fig. 8C.
Locality: 2 km SW of the southern end of Stokes Pass, Northern Territory, Australia.
Horizon: Harajica Sandstone Member, Parke Siltstone, Pertnjara Group, Amadeus Basin.
Age: Givetian-Frasnian, Middle-Late Devonian.

CPC 24693: Figured specimen (ornamented fragment) - YOUNG, 1985a, p. 245, fig. 8D.
Locality, horizon and age as for CPC 24692.

CPC 24694: Cited specimen (ornamented fragment) - YOUNG, 1985a, p. 245.
Locality, horizon and age as for CPC 24692.

CPC 24695: Figured specimen (ornamented fragment) - YOUNG, 1985a, p. 245, fig. 8E.
Locality, horizon and age as for CPC 24692.

CPC 24696: Cited specimen (ornamented fragment) - YOUNG, 1985a, p. 245.
Locality, horizon and age as for CPC 24692.

CPC 26408: Figured specimen (incomplete impression of MD plate) - YOUNG, 1989b, p. 48, fig. 4A.
Locality: Locality 17 of Young (1988a, fig. 3), Alligator Ridge, southern Victoria Land, Antarctica.
Horizon: Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
Remarks: This specimen is also figured by Young (1991b, fig. 15.8A).

Order ARTHRODIRA
Suborder PHLYCTAENIOIDEI
Family GROENLANDASPIDIDAE

***Groenlandaspis* sp.**

CPC 26409: Figured specimen (MD plate) - YOUNG, 1989b, pp. 50-51, fig. 5A.

Locality: Locality 11 of Young (1988a, fig. 3), Portal Mountain, southern Victoria Land, Antarctica.

Horizon: Unit 17, Section 10 of Barrett & Webb (1973), Aztec Siltstone, Taylor Group, Beacon Supergroup.

Age: Givetian-Frasnian, Middle-Late Devonian.

Remarks: This specimen is also figured by Young (1991b, fig. 15.9A) and Vickers-Rich & Rich (1993, pl. 82).

groenlandaspid? gen. et sp. indet.

CPC 24664: Figured specimen (incomplete Nu plate) - YOUNG, 1985a, p. 242, fig. 5A.

Locality: Locality 1 of Young (1985a, figs 1, 3), eastern rim of Gosses Bluff, Northern Territory, Australia.

Horizon: Basal Pertnjara Group, Amadeus Basin.

Age: Emsian-Eifelian, Early-Middle Devonian.

Family PHLYCTAENIIDAE

***Denisonosteus weejasperensis* YOUNG & GORTER, 1981**

CPC 19537: HOLOTYPE (incomplete skull roof in part and counterpart, incomplete left AL, and complete MD plate) - YOUNG & GORTER, 1981, pp. 110-113, text-figs 22, 24A; pl. 6, figs 1-2.

Locality: 18 km northwest of Wee Jasper, Burrinjuck Dam area, New South Wales, Australia.

Horizon: 1900 m above the base of the Hatchery Creek Conglomerate, Lachlan Fold Belt.

Age: Eifelian?, Middle Devonian.

Remarks: This is the type species of *Denisonosteus*.

CPC 19538: Figured specimen (head-shield) - YOUNG & GORTER, 1981, pp. 110-113, pl. 7, fig. 2.

Locality, horizon and age as for CPC 19537.

Remarks: This specimen was also used for the skull roof restoration (fig. 22).

CPC 19539: Cited specimen (head-shield) - YOUNG & GORTER, 1981, pp. 110-113.

Locality, horizon and age as for CPC 19537.

Remarks: This specimen was also used for the skull roof restoration (fig. 22).

CPC 19540: Cited specimen (PNu plate) - YOUNG & GORTER, 1981, pp. 110-113.

Locality, horizon and age as for CPC 19537.

Remarks: This specimen is on the same sample as CPC 19523 (*Sherbonaspis hillsi*).

CPC 19541: Figured specimen (SO plate) - YOUNG & GORTER, 1981, pp. 110-113, pl. 6, fig. 6.

Locality, horizon and age as for CPC 19537.

CPC 19542: Cited specimen (SM plate) - YOUNG & GORTER, 1981, pp. 110-113.

Locality, horizon and age as for CPC 19537.

CPC 19543: Figured specimen (PN? plate) - YOUNG & GORTER, 1981, pp. 110-113, fig. 23C.

Locality, horizon and age as for CPC 19537.

- CPC 19544:** Cited specimen (M plate) - YOUNG & GORTER, 1981, pp. 110-113.
Locality, horizon and age as for CPC 19537.
Remarks: This specimen is on the same sample as CPC 19646 (*Gyroptychius ?australis*).
- CPC 19545:** Cited specimen (ADL plate) - YOUNG & GORTER, 1981, pp. 110-113.
Locality, horizon and age as for CPC 19537.
Remarks: This specimen was also used for the restoration of the ADL plate (fig. 24B).
- CPC 19546:** Cited specimen (ADL plate) - YOUNG & GORTER, 1981, pp. 110-113.
Locality, horizon and age as for CPC 19537.
- CPC 19547:** Figured specimen (associated ADL and AMV plates) - YOUNG & GORTER, 1981, pp. 110-113, pl. 6, figs 4, 8.
Locality, horizon and age as for CPC 19537.
Remarks: This specimen was also used for the restoration of the ADL plate (fig. 24B). The CPC number (19549) listed for the AMV restoration on p. 110 is erroneous (it should read CPC 19547).
- CPC 19551, CPC 19552:** Cited specimens (AL plates) - YOUNG & GORTER, 1981, pp. 110-113.
Locality, horizon and age as for CPC 19537.
Remarks: CPC 19552 was used in the restoration of the AL plate (fig. 24C).
- CPC 19553:** Figured specimen (AL plate) - YOUNG & GORTER, 1981, pp. 110-113, pl. 6, fig. 3.
Locality, horizon and age as for CPC 19537.
Remarks: This specimen was also used for the restoration of the AL plate (fig. 24C).
- CPC 19554 to CPC 19556:** Cited specimens (AL plates) - YOUNG & GORTER, 1981, pp. 110-113.
Locality, horizon and age as for CPC 19537.
Remarks: These specimens were used for the restoration of the AL plate (fig. 24C).
- CPC 19558:** Figured specimen (PDL plate) - YOUNG & GORTER, 1981, pp. 110-113, fig. 24D.
Locality, horizon and age as for CPC 19537.
- CPC 19559:** Figured specimen (PL plate) - YOUNG & GORTER, 1981, pp. 110-113, fig. 24E.
Locality, horizon and age as for CPC 19537.
- CPC 19560:** Figured specimen (SP plate) - YOUNG & GORTER, 1981, pp. 110-113, pl. 6, fig. 5.
Locality, horizon and age as for CPC 19537.
- CPC 19561 to CPC 19565:** Cited specimens (AVL plates) - YOUNG & GORTER, 1981, pp. 110-113.
Locality, horizon and age as for CPC 19537.
- CPC 19566:** Figured specimen (AVL plate) - YOUNG & GORTER, 1981, pp. 110-113, pl. 7, fig. 1.
Locality, horizon and age as for CPC 19537.
Remarks: Associated with CPC 19466 (*Monarolepis verrucosa*).
- CPC 19567 to CPC 19569:** Cited specimens (AVL plates) - YOUNG & GORTER, 1981, pp. 110-113.
Locality, horizon and age as for CPC 19537.
- CPC 19570:** Figured specimen (PMV plate) - YOUNG & GORTER, 1981, pp. 110-113, pl. 6, fig. 7.
Locality, horizon and age as for CPC 19537.
- CPC 19571 to CPC 19578:** Cited specimens (PVL plates) - YOUNG & GORTER, 1981, pp. 110-113.
Locality, horizon and age as for CPC 19537.

- CPC 19579: Figured specimen (SM and PVL plates) - YOUNG & GORTER, 1981, pp. 110-113, pl. 5, fig. 8; pl. 7, fig. 3.
Locality, horizon and age as for CPC 19537.
- CPC 19580: Cited specimen (indeterminate plate) - YOUNG & GORTER, 1981, pp. 110-113.
Locality, horizon and age as for CPC 19537.
- CPC 19581: Figured specimen (indeterminate plate) - YOUNG & GORTER, 1981, pp. 110-113, pl. 7, fig. 7.
Locality, horizon and age as for CPC 19537.

phlyctaeniid gen. et sp. indet.

- CPC 26410: Figured specimen (left PDL plate in part and counterpart) - YOUNG, 1991b, p. 553, fig. 15.10B.
Locality: Locality 11 of Young (1988a, fig. 3), Portal Mountain, southern Victoria Land, Antarctica.
Horizon: Unit 17, Section 10 of Barrett & Webb (1973), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
Remarks: Young (1991a) noted that this phlyctaeniid PDL does not belong to named genera in this fauna (*Groenlandaspis*, *Antarctaspis*, and *Antarctolepis*).

Suborder BRACHYTHORACI

Family BUCHANOSTEIDAE

***Buchanosteus confertituberculatus* (CHAPMAN, 1916)**

- CPC 16962: Figured specimen (incomplete skull with endocranial cavities preserved) - YOUNG, 1979, pp. 309-352, text-figs 5, 10B; pl. 2, figs A-B.
Locality: 2 km south of Taemas Bridge, Burrinjuck Dam, Wee Jasper area, New South Wales, Australia.
Horizon: Probably from the *Spirifer yassensis* Limestone, Taemas Formation, Murrumbidgee Group.
Age: Emsian, late Early Devonian.
- CPC 16963: Figured specimen (incomplete left and right SO plates with incomplete right palatoquadrate attached) - YOUNG, 1979, pp. 309-352, text-figs 13-16; pls 2C-D, 3A-B.
Locality: Shore of Burrinjuck Dam, beneath 'Shearsby's Wallpaper', Wee Jasper area, New South Wales, Australia.
Horizon and Age as for CPC 16962.
- CPC 16964: Figured specimen (incomplete right SO plate) - YOUNG, 1979, pp. 309-352, pl. 3C-D.
Locality: Shore of Burrinjuck Dam, in the Goodradigbee Valley, Wee Jasper area, New South Wales, Australia.
Horizon and Age as for CPC 16962.

Family PLOURDOSTEIDAE

***Kimberia bispicatus* DENNIS-BRYAN & MILES, 1983**

See *Kimberleyichthys bispicatus*.

The species was referred to *Kimberleyichthys* by Dennis-Bryan & Miles (1993b).

***Kimberleyichthys bispicatus* (DENNIS-BRYAN & MILES, 1983)**

CPC 22567: HOLOTYPE (posterior part of skull, right cheek and trunk shield) - DENNIS-BRYAN & MILES, 1983a, pp. 161-169, figs 10-14.

Locality: Paddy's Valley, Gogo Station, northern Western Australia.

Horizon: Gogo Formation, Canning Basin.

Age: Early Frasnian, Late Devonian.

Remarks: Dennis-Bryan & Miles (1983a) described *K. bispicatus* as a new genus, *Kimberia*, but the name was preoccupied (a gastropod). The name *Kimberleyichthys* was proposed as a substitute by Dennis-Bryan & Miles (1983b). This is the type species of the genus *Kimberleyichthys*.

BRACHYTHORACI *incertae sedis*

***Arenipiscis westolli* YOUNG, 1981**

CPC 16972: Figured specimen (posterior portion of skull-roof) - YOUNG, 1981, pp. 247-257, figs 1D, 3B.

Locality: Cave Flat, Cave Island, Burrinjuck Dam, New South Wales, Australia.

Horizon: *Receptaculites* Limestone, Taemas Formation, Murrumbidgee Group.

Age: Emsian, late Early Devonian.

Remarks: The posterior skull portion forming part of the holotype of this species (ANU 35616) can be seen labelled 'CPC 16972' in the published illustration (Young 1981, fig. 2D). This portion of the holotype was originally from the BMR collection, but was subsequently established to be part of the same skull as ANU 35616. The CPC number was then reallocated to the current specimen.

CPC 16973: Figured specimen (incomplete MD plate) - YOUNG, 1981, pp. 247-257, fig. 7.

Locality: 1 km north of 'Goodradigbee' homestead, Wee Jasper area, New South Wales, Australia.

Horizon: *Spirifer yassensis* Limestone, Taemas Formation, Murrumbidgee Group.

Age: Emsian, late Early Devonian.

CPC 16974: Figured specimen (incomplete AL plate) - YOUNG, 1981, pp. 247-257, figs 2A, 8.

Locality: Western shore of Goodradigbee Inlet, Burrinjuck Dam, Wee Jasper area, New South Wales, Australia.

Horizon and Age as for CPC 16972.

***Errolosteus goodradigbeensis* YOUNG, 1981**

CPC 16970: Figured specimen (incomplete AL plate) - YOUNG, 1981, pp. 257-262, figs 12-13.

Locality: Cave Flat, Cave Island, Burrinjuck Dam, Wee Jasper area, New South Wales, Australia.

Horizon: *Receptaculites* Limestone, Taemas Formation, Murrumbidgee Group.

Age: Emsian, late Early Devonian.

CPC 16971: Figured specimen (incomplete right PVL plate) - YOUNG, 1981, pp. 257-262, fig. 9C.

Locality: Western shore of Goodradigbee Inlet, Burrinjuck Dam, New South Wales, Australia.

Horizon and Age as for CPC 16970.

***Taemasosteus novaustrocambricus* WHITE, 1978**

CPC 25337: Cited specimen (incomplete left AL plate) - LONG, 1984a, p. 181.

Locality: Burrinjuck Dam area, probably Goodradigbee Inlet.

Horizon: Unknown, but probably from *Receptaculites* Limestone, Taemas Formation, Murrumbidgee Group.

Age: Emsian, late Early Devonian.

eubrachythoracid indet.

- CPC 30432:** Figured specimen (incomplete skull) - VICKERS-RICH & RICH, 1993, pp. 72-73, pls 59-60.
Locality: About 1 km north of 'Goodgradigbee' homestead, Wee Jasper area, New South Wales, Australia.
Horizon: Upper part of the Taemas Formation, Murrumbidgee Group.
Age: Late Emsian?, Early Devonian.
Remarks: The figure caption (p. 72) gives incorrect orientation; it should read plate 59 dorsal view and plate 60 ventral view. This specimen was also mentioned by Young (1993, p. 224) as a 'eubrachythoracid... (from) Wee Jasper'.

ARTHRODIRA incertae sedis

- CPC 19557:** Figured specimen (incomplete left PDL plate) - YOUNG & GORTER, 1981, pp. 113-114, pl. 7, fig. 6.
Locality: 18 km northwest of Wee Jasper, Burrinjuck Dam area, New South Wales, Australia.
Horizon: 1900 m above the base of the Hatchery Creek Conglomerate, Lachlan Fold Belt.
Age: Eifelian?, Middle Devonian.
- CPC 19582:** Figured specimen (possible left PrO plate) - YOUNG & GORTER, 1981, pp. 113-114, fig. 23D.
Locality, horizon and age as for CPC 19557.
- CPC 19583:** Figured specimen (left SM plate) - YOUNG & GORTER, 1981, pp. 113-114, figs 23A-B.
Locality, horizon and age as for CPC 19557.
- CPC 19584:** Figured specimen (undetermined plate with sensory groove) - YOUNG & GORTER, 1981, pp. 113-114, pl. 7, fig. 5.
Locality, horizon and age as for CPC 19557.
- CPC 24665 to CPC 24669:** Cited specimens (incomplete tuberculate plates) - YOUNG, 1985a, p. 242.
Locality: Eastern rim of Gosses Bluff, Northern Territory, Australia.
Horizon: Basal Pertnjara Group, Amadeus Basin.
Age: Emsian-Eifelian, Early-Middle Devonian.

Order ANTIARCHI

Suborder SINOLEPIDOIDEI

Family GRENFELLASPIDIDAE

***Grenfellaspis branagani* RITCHIE, WANG, YOUNG & ZHANG, 1992**

- CPC 29102:** Figured specimen (PrM plate) - RITCHIE *et al.*, 1992, pp. 323-341, figs 3G-H.
Locality: Near Redcliff Mountain, about 20 km NE of Grenfell, New South Wales, Australia.
Horizon: Hunter Siltstone, Beargamil Sub-Group of the Hervey Group.
Age: Late Devonian (late Famennian).
- CPC 29103:** Figured specimen (PrM plate) - RITCHIE *et al.*, 1992, pp. 323-341, figs 3I-J.
Locality, horizon and age as for CPC 29102.
- CPC 29104:** Figured specimen (PNu plate) - RITCHIE *et al.*, 1992, pp. 323-341, fig. 4F.
Locality, horizon and age as for CPC 29102.
- CPC 29105:** Figured specimen (Nu plate) - RITCHIE *et al.*, 1992, pp. 323-341, fig. 4H.
Locality, horizon and age as for CPC 29102.

- CPC 29106: Figured specimen (L plate) - RITCHIE *et al.*, 1992, pp. 323-341, fig. 3C.
Locality, horizon and age as for CPC 29102.
- CPC 29107: Figured specimen (L plate) - RITCHIE *et al.*, 1992, pp. 323-341, fig. 3D.
Locality, horizon and age as for CPC 29102.
- CPC 29108: Cited specimen (L plate) - RITCHIE *et al.*, 1992, pp. 323-341.
Locality, horizon and age as for CPC 29102.
- CPC 29109: Cited specimen (PNu plate) - RITCHIE *et al.*, 1992, pp. 323-341.
Locality, horizon and age as for CPC 29102.
- CPC 29110 to CPC 29117: Cited specimens (AMD plates) - RITCHIE *et al.*, 1992, pp. 323-341.
Locality, horizon and age as for CPC 29102.
- CPC 29118 to CPC 29122: Cited specimens (PMD plates) - RITCHIE *et al.*, 1992, pp. 323-341.
Locality, horizon and age as for CPC 29102.
- CPC 29123: Figured specimen (PDL plate) - RITCHIE *et al.*, 1992, pp. 323-341, fig. 9A-B.
Locality, horizon and age as for CPC 29102.
- CPC 29124: Figured specimen (PDL plate) - RITCHIE *et al.*, 1992, pp. 323-341, fig. 9E.
Locality, horizon and age as for CPC 29102.
- CPC 29125: Cited specimen (PDL plate) - RITCHIE *et al.*, 1992, pp. 323-341.
Locality, horizon and age as for CPC 29102.
- CPC 29126, CPC 29127: Cited specimens (AVL plates) - RITCHIE *et al.*, 1992, pp. 323-341.
Locality, horizon and age as for CPC 29102.
- CPC 29128: Figured specimen (PVL plate) - RITCHIE *et al.*, 1992, pp. 323-341, fig. 13E.
Locality, horizon and age as for CPC 29102.
- CPC 29129: Figured specimen (Cd1 plate) - RITCHIE *et al.*, 1992, pp. 323-341, fig. 14C.
Locality, horizon and age as for CPC 29102.
- CPC 29130: Figured specimen (Cd1? plate) - RITCHIE *et al.*, 1992, pp. 323-341, fig. 15C.
Locality, horizon and age as for CPC 29102.
- CPC 29131: Cited specimen (pectoral fin plate) - RITCHIE *et al.*, 1992, pp. 323-341.
Locality, horizon and age as for CPC 29102.

Suborder BOTHRIOLEPIDOIDEI
Family BOTHRIOLEPIDIDAE

***Bothriolepis alexi* YOUNG, 1988**

- CPC 26372: Figured specimen (pectoral fin segment) - YOUNG, 1988a, pp. 84-86, text-fig. 47.
Locality: Locality 24 of Young (1988a, fig. 3), Mount Ritchie, southern Warren Range, southern Victoria Land, Antarctica.
Horizon: Unit 54 or 62, Section A4 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.

- CPC 26373:** Figured specimen (left L plate) - YOUNG, 1988a, pp. 84-86, text-fig. 45B, pl. 11, fig. 13.
Locality: Locality 13 of Young (1988a, fig. 3), eastern end of Mount Metschel, southern Victoria Land, Antarctica.
Horizon: Unit 15, Section M1 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 26374:** Figured specimen (Cd1 plate) - YOUNG, 1988a, pp. 84-86, text-fig. 46B; pl. 11, fig. 16.
Locality: as for CPC 26373.
Horizon: Section M1 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
Remarks: This specimen is with CPC 27862 (*Notorhizodon mackelveyi*).
- CPC 26375:** Figured specimen (Cd1 or Cv1 plate) - YOUNG, 1988a, pp. 84-86, text-fig. 45C.
Locality, horizon and age as for CPC 26374.
- CPC 26376:** Figured specimen (Mm2 plate) - YOUNG, 1988a, pp. 84-86, text-fig. 45D.
Locality: as for CPC 26373.
Horizon: Unit 10, Section M1 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.

***Bothriolepis askini* YOUNG, 1988**

See *Bothriolepis askinae* below

The species name was emended to *Bothriolepis askinae* by Young (1989b, p. 48) in accordance with I.C.Z.N. Article 31.

***Bothriolepis askinae* YOUNG, 1988**

- CPC 25985: HOLOTYPE** (almost complete head-shield in part and counterpart) - YOUNG, 1988a, pp. 25-48, text-fig. 7B; pl. 3, fig. 1
Locality: MC3, Locality 8 of Young (1988a, figs. 3, 4), Mount Crean, Lashly Range, southern Victoria Land, Antarctica.
Horizon: Lower 40 m of Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
Remarks: The specific name was changed from *askini* to *askinae* by Young (1989b, caption to fig. 4) in accordance with I.C.Z.N. Article 31. The specimen was refigured by Young (1989b, fig. 4B). CPC 25999 is on the same sample.
- CPC 25986:** Figured specimen (incomplete skull) - YOUNG, 1988a, pp. 25-48, text-figs 7A, 8B; pl. 3, fig. 2.
Locality, horizon and age as for CPC 25985.
- CPC 25987:** Figured specimen (associated Nu and L plates of a small skull) - YOUNG, 1988a, pp. 25-48, text-fig. 19D-E.
Locality, horizon and age as for CPC 25985.
Remarks: This specimen is associated with CPC 25986. Locality MC4 stated in the caption to figure 19 (Young 1988a, p. 41) is erroneous.
- CPC 25988:** Figured specimen (incomplete skull) - YOUNG, 1988a, pp. 25-48, text-fig. 9A.
Locality: Locality 9 of Young (1988a, fig. 3), southwest of Mount Crean, Lashly Range, southern Victoria Land, Antarctica.
Horizon: Units 8-10, Section L1 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.

- CPC 25989:** Figured specimen (incomplete skull) - YOUNG, 1988a, pp. 25-48, text-fig. 9B.
Locality, horizon and age as for CPC 25988.
- CPC 25990:** Figured specimen (incomplete skull) - YOUNG, 1988a, pp. 25-48, text-fig. 9C-D.
Locality, horizon and age as for CPC 25988.
- CPC 25991:** Cited specimen (incomplete skull) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
- CPC 25992:** Figured specimen (left SO plate) - YOUNG, 1988a, pp. 25-48, text-fig. 8E.
Locality, horizon and age as for CPC 25985.
Remarks: CPC 25992, 25997, 26009, 26027, 26043, and 26044 are associated on one specimen.
- CPC 25993:** Cited specimen (Nu plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
- CPC 25994:** Figured specimen (right L plate) - YOUNG, 1988a, pp. 25-48, pl. 3, fig. 6.
Locality, horizon and age as for CPC 25985.
- CPC 25995, CPC 25996:** Cited specimens (L plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
- CPC 25997:** Figured specimen (incomplete AMD plate) - YOUNG, 1988a, pp. 25-48, text-fig. 10B.
Locality, horizon and age as for CPC 25985.
Remarks: CPC 25992, 25997, 26009, 26027, 26043, and 26044 are associated on one specimen.
- CPC 25998:** Cited specimen (incomplete AMD plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
- CPC 25999:** Figured specimen (incomplete AMD plate) - YOUNG, 1988a, pp. 25-48, text-fig. 10A; pl. 4, fig. 1.
Locality, horizon and age as for CPC 25985.
- CPC 26000:** Figured specimen (incomplete AMD plate) - YOUNG, 1988a, pp. 25-48, text-fig. 10C.
Locality, horizon and age as for CPC 25985.
- CPC 26001:** Cited specimen (incomplete AMD plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
- CPC 26002:** Figured specimen (AMD and left ADL plates) - YOUNG, 1988a, pp. 25-48, text-fig. 10A; pl. 3, figs 3, 5.
Locality, horizon and age as for CPC 25985.
Remarks: Associated plates are assumed to come from one individual (Young 1988a, p. 33).
- CPC 26003:** Figured specimen (PMD plate) - YOUNG, 1988a, pp. 25-48, text-fig. 11B.
Locality, horizon and age as for CPC 25985.
Remarks: CPC 26003-5, 010-12, 019, 038, 046, 047, 049, 050, 053, 212 and 213 are associated on one specimen.
- CPC 26004:** Figured specimen (PMD plate) - YOUNG, 1988a, pp. 25-48, pl. 4, fig. 2.
Locality, horizon and age as for CPC 25985.
Remarks: This specimen occurs with many others on one sample. See 'remarks' for CPC 26003 for full listing.
- CPC 26005 to CPC 26006:** Cited specimens (PMD plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
Remarks: CPC 26005 occurs with many others on one sample. See 'remarks' for CPC 26003 for full listing.

- CPC 26007:** Cited specimen (PMD plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
Remarks: CPC 26007, 013, 033, 039-42, 045, 048, 051, and 052 are associated on one specimen.
- CPC 26008, CPC 26009:** Cited specimens (ADL plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
Remarks: CPC 25992, 25997, 26009, 26027, 26043, and 26044 are associated on one specimen.
- CPC 26010:** Figured specimen (incomplete ADL plate) - YOUNG, 1988a, pp. 25-48, pl. 3, fig. 4.
Locality, horizon and age as for CPC 25985.
Remarks: This specimen occurs with many others on one sample. See 'remarks' for CPC 26003 for full listing.
- CPC 26011, CPC 26012:** Cited specimens (incomplete ADL plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
Remarks: These specimens occur with many others on one sample. See 'remarks' for CPC 26003 for full listing.
- CPC 26013:** Cited specimen (ADL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
Remarks: This specimen occurs with many others on one sample. See 'remarks' for CPC 26007 for full listing.
- CPC 26014:** Figured specimen (ADL plate) - YOUNG, 1988a, pp. 25-48, text-fig. 12; pl. 4, fig. 3.
Locality: MC4, Locality 8 of Young (1988a, fig. 3), Mount Crean, Lashly Range, southern Victoria Land, Antarctica.
Horizon: Lower 40 m of Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 26015:** Figured specimen (PVL plate and proximal segment of pectoral fin) - YOUNG, 1988a, pp. 25-48, text-figs 15A, 16F; pl. 2, fig. 8.
Locality, horizon and age as for CPC 26014.
Remarks: Size and proportions suggest that these associated remains come from one individual (Young 1988a, pp. 38, 42). The number CPC 26015 in the caption to text-fig. 20C is an error (should read CPC 26105).
- CPC 26016:** Cited specimen (ADL and MxL plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
Remarks: This specimen was used in the restoration of the MxL plate (Young 1988a, text-fig. 13B).
- CPC 26017:** Cited specimen (MxL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
- CPC 26018:** Figured specimen (MxL plate) - YOUNG, 1988a, pp. 25-48, text-fig. 13A; pl. 4, fig. 10.
Locality, horizon and age as for CPC 25985.
Remarks: Associated with CPC 26029.
- CPC 26019:** Cited specimen (MxL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
Remarks: This specimen occurs with many others on one sample. See 'remarks' for CPC 26003 for full listing.
- CPC 26020:** Figured specimen (MxL plate) - YOUNG, 1988a, pp. 25-48, pl. 4, fig. 6.
Locality, horizon and age as for CPC 25985.
Remarks: This specimen was used in the restoration of the MxL plate (Young 1988a, text-fig. 13B).
- CPC 26021:** Figured specimen (MxL plate) - YOUNG, 1988a, pp. 25-48, pl. 4, fig. 5.
Locality, horizon and age as for CPC 25985.
Remarks: This specimen was used in the restoration of the MxL plate (Young 1988a, text-fig. 13B).

- CPC 26022:** Figured specimen (AVL plate) - YOUNG, 1988a, pp. 25-48, text-fig. 14D; pl. 4, fig. 4.
Locality, horizon and age as for CPC 25985.
Remarks: Associated with CPC 26032.
- CPC 26023:** Cited specimen (AVL and pectoral fin plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
- CPC 26024:** Figured specimen (AVL with attached pectoral fin proximal segment) - YOUNG, 1988a, pp. 25-48, text-fig. 14A.
Locality, horizon and age as for CPC 25985.
- CPC 26025:** Figured specimen (incomplete AVL with attached pectoral fin proximal segment) - YOUNG, 1988a, pp. 25-48, text-fig. 14B-C.
Locality, horizon and age as for CPC 25985.
- CPC 26026 to CPC 26028:** Cited specimens (PVL plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
Remarks: CPC 25992, 25997, 26009, 26027, 26043, and 26044 are associated on one specimen.
- CPC 26029:** Figured specimen (PVL plate) - YOUNG, 1988a, pp. 25-48, text-fig. 15B; pl. 4, fig. 9.
Locality, horizon and age as for CPC 25985.
Remarks: Associated with CPC 26018.
- CPC 26030:** Cited specimen (PVL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
- CPC 26031:** Figured specimen (MV plate) - YOUNG, 1988a, pp. 25-48, text-fig. 15C.
Locality, horizon and age as for CPC 25985.
- CPC 26032:** Figured specimen (incomplete MV plate) - YOUNG, 1988a, pp. 25-48, text-fig. 15D.
Locality, horizon and age as for CPC 25985.
Remarks: Associated with CPC 26022.
- CPC 26033:** Figured specimen (pectoral fin proximal segment) - YOUNG, 1988a, pp. 25-48, text-fig. 16E; pl. 4, fig. 11.
Locality, horizon and age as for CPC 25985.
Remarks: This specimen occurs with many others on one sample. See 'remarks' for CPC 26007 for full listing.
- CPC 26034:** Cited specimen (pectoral fin proximal segment) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
- CPC 26035:** Figured specimen (pectoral fin proximal segment) - YOUNG, 1988a, pp. 25-48, text-fig. 17B.
Locality, horizon and age as for CPC 25985.
- CPC 26036:** Figured specimen (pectoral fin proximal segment) - YOUNG, 1988a, pp. 25-48, text-fig. 17C.
Locality, horizon and age as for CPC 25985.
- CPC 26037:** Cited specimen (pectoral fin proximal segment) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
- CPC 26038:** Figured specimen (Cd1 plate) - YOUNG, 1988a, pp. 25-48, text-fig. 16A.
Locality, horizon and age as for CPC 25985.
Remarks: This specimen occurs with many others on one sample. See 'remarks' for CPC 26003 for full listing.
- CPC 26039:** Figured specimen (Cd1 and Cv1 plates) - YOUNG, 1988a, pp. 25-48, text-figs 16B-C; pl. 4, fig. 7.
Locality, horizon and age as for CPC 25985.
Remarks: This specimen occurs with many others on one sample. See 'remarks' for CPC 26007 for full listing.

- CPC 26040:** Figured specimen (Cv1 plate) - YOUNG, 1988a, pp. 25-48, text-fig. 16D.
Locality, horizon and age as for CPC 25985.
Remarks: This specimen occurs with many others on one sample. See 'remarks' for CPC 26007 for full listing.
- CPC 26041:** Cited specimen (Cv1 or Cd1 plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
Remarks: This specimen occurs with many others on one sample. See 'remarks' for CPC 26007 for full listing.
- CPC 26042:** Cited specimen (Cd1 plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
Remarks: This specimen occurs with many others on one sample. See 'remarks' for CPC 26007 for full listing.
- CPC 26043:** Figured specimen (Cv2 plate) - YOUNG, 1988a, pp. 25-48, text-fig. 17D.
Locality, horizon and age as for CPC 25985.
Remarks: The number CPC 23043 in the caption to text-fig. 17D is erroneous (should read CPC 26043). CPC 25992, 25997, 26009, 26027, 26043, and 26044 are associated on one specimen.
- CPC 26044, CPC 26045:** Cited specimens (Cv2 plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
Remarks: CPC 25992, 25997, 26009, 26027, 26043, and 26044 are associated on one specimen. CPC 26045 occurs with many others on one sample. See 'remarks' for CPC 26007 for full listing.
- CPC 26046:** Figured specimen (Cd2 plate) - YOUNG, 1988a, pp. 25-48, text-fig. 17F.
Locality, horizon and age as for CPC 25985.
Remarks: This specimen occurs with many others on one sample. See 'remarks' for CPC 26003 for full listing.
- CPC 26047:** Figured specimen (Cd2 plate) - YOUNG, 1988a, pp. 25-48, text-figs 17A, F; pl. 4, fig. 8.
Locality, horizon and age as for CPC 25985.
Remarks: This specimen occurs with many others on one sample. See 'remarks' for CPC 26003 for full listing.
- CPC 26048:** Figured specimen (Cd2 plate) - YOUNG, 1988a, pp. 25-48, text-fig. 17E.
Locality, horizon and age as for CPC 25985.
Remarks: This specimen occurs with many others on one sample. See 'remarks' for CPC 26007 for full listing.
- CPC 26049, CPC 26050:** Figured specimens (M12 plates) - YOUNG, 1988a, pp. 25-48, text-fig. 17A; pl. 4, fig. 8.
Locality, horizon and age as for CPC 25985.
Remarks: These specimens occur with many others on one sample. See 'remarks' for CPC 26003 for full listing.
- CPC 26051, CPC 26052:** Cited specimens (M12 plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
Remarks: These specimens occur with many others on one sample. See remarks for CPC 26007 for full listing.
- CPC 26053:** Figured specimen (Cd or Cv plate from distal segment of pectoral fin) - YOUNG, 1988a, pp. 25-48, text-fig. 17A; pl. 4, fig. 8.
Locality, horizon and age as for CPC 25985.
Remarks: This specimen occurs with many others on one sample. See 'remarks' for CPC 26003 for full listing.
- CPC 26054:** Figured specimen (associated skull, trunk and pectoral fins) - YOUNG, 1988a, pp. 25-48, text-fig. 18; pl. 3, fig. 9.
Locality, horizon and age as for CPC 26014.
- CPC 26055:** Cited specimen (ADL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.

- CPC 26056:** Cited specimen (AVL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26057:** Figured specimen (PNu plate) - YOUNG, 1988a, pp. 25-48, text-fig. 19B.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26058:** Figured specimen (AMD plate) - YOUNG, 1988a, pp. 25-48, text-fig. 21A; pl. 2, fig. 1.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26059 to CPC 26061:** Cited specimens (ADL plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26062:** Figured specimen (ADL plate) - YOUNG, 1988a, pp. 25-48, pl. 2, fig. 3.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26063:** Figured specimen (Nu plate) - YOUNG, 1988a, pp. 25-48, pl. 1, fig. 9.
Locality, horizon and age as for CPC 26014.
Remarks: This specimen was used in the restoration of the Nu plate (Young 1988a, text-fig. 19C). CPC 26055-108 are associated on one specimen.
- CPC 26064 to CPC 26066:** Cited specimens (PMD plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26065 was used in the restoration of the PMD plate (Young 1988a, text-fig. 21C). CPC 26055-26108 are associated on one specimen.
- CPC 26067:** Cited specimen (ADL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26068:** Cited specimen (AMD plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26069:** Cited specimen (PMD plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26070:** Cited specimen (PNu plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26071:** Figured specimen (SO plate) - YOUNG, 1988a, pp. 25-48, text-fig. 20E; pl. 2, fig. 2.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26072:** Figured specimen (SM plate) - YOUNG, 1988a, pp. 25-48, text-fig. 20F.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26073:** Figured specimen (PMD plate) - YOUNG, 1988a, pp. 25-48, text-fig. 21D; pl. 2, fig. 2.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.

- CPC 26074:** Cited specimen (ADL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26075:** Figured specimen (PNu plate) - YOUNG, 1988a, pp. 25-48, text-fig. 19A.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26076:** Cited specimen (L plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26077:** Cited specimen (AVL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26078:** Cited specimen (AMD plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26079:** Cited specimen (MxL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26080:** Cited specimen (Nu plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26081:** Figured specimen (AMD plate) - YOUNG, 1988a, pp. 25-48, text-fig. 21B.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26082:** Cited specimen (Nu plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26083:** Cited specimen (PVL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26084:** Cited specimen (PVL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: This specimen was used in the restoration of the PVL plate (Young 1988a, text-fig. 23F). CPC 26055-108 are associated on one specimen.
- CPC 26085:** Cited specimen (MxL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26086:** Cited specimen (ADL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26087:** Figured specimen (ADL plate) - YOUNG, 1988a, pp. 25-48, pl. 2, fig. 4.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.

- CPC 26088:** Cited specimen (L plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26089:** Figured specimen (PrM plate) - YOUNG, 1988a, pp. 25-48, text-fig. 20A.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26090:** Cited specimen (L plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26091:** Cited specimen (ADL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26092:** Cited specimen (PMD plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26093:** Figured specimen (AVL plate) - YOUNG, 1988a, pp. 25-48, text-fig. 23D; pl. 2, fig. 5.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26094:** Figured specimen (AVL plate) - YOUNG, 1988a, pp. 25-48, pl. 2, fig. 6.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26095:** Cited specimen (PVL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26096:** Cited specimen (ADL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26097:** Figured specimen (ADL plate) - YOUNG, 1988a, pp. 25-48, text-fig. 22F.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26098:** Figured specimen (PrM plate) - YOUNG, 1988a, pp. 25-48, text-fig. 20B.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26099:** Figured specimen (Nu plate) - YOUNG, 1988a, pp. 25-48, text-fig. 19C.
Locality, horizon and age as for CPC 26014.
Remarks: This specimen was used in the restoration of the Nu plate (Young 1988a, text-fig. 19C). CPC 26055-108 are associated on one specimen.
- CPC 26100:** Cited specimen (ADL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26101:** Figured specimen (ADL plate) - YOUNG, 1988a, pp. 25-48, text-fig. 22G.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.

- CPC 26102:** Cited specimen (MxL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26103:** Cited specimen (PMD plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26104:** Cited specimen (Nu plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: This specimen was used in the restoration of the Nu plate (Young 1988a, text-fig. 19C). CPC 26055-108 are associated on one specimen.
- CPC 26105:** Figured specimen (PrM and L plates) - YOUNG, 1988a, pp. 25-48, text-fig. 20C; pl. 1, figs 8, 11.
Locality, horizon and age as for CPC 26014.
Remarks: Associated plates are assumed to come from one individual (Young 1988a, p. 41). The number CPC 26051 in the caption to text-fig. 20C is an error (should read CPC 26105). CPC 26055-108 are associated on one specimen.
- CPC 26106:** Cited specimen (MxL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26107:** Cited specimen (PVL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: This specimen was used in the restoration of the PVL plate (Young 1988a, text-fig. 23F). CPC 26055-108 are associated on one specimen.
- CPC 26108:** Figured specimen (PVL plate) - YOUNG, 1988a, pp. 25-48, pl. 2, fig. 9.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26055-108 are associated on one specimen.
- CPC 26109:** Cited specimen (ADL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26109-115 are associated on one specimen.
- CPC 26110:** Figured specimen (Cd1 of pectoral fin) - YOUNG, 1988a, pp. 25-48, pl. 2, fig. 10.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26109-115 are associated on one specimen.
- CPC 26111:** Cited specimen (Cd1 of pectoral fin) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26109-115 are associated on one specimen.
- CPC 26112:** Cited specimen (PMD plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26109-115 are associated on one specimen.
- CPC 26113:** Cited specimen (MxL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26109-115 are associated on one specimen.
- CPC 26114, CPC 26115:** Cited specimens (ADL plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26109-115 are associated on one specimen.

- CPC 26116:** Figured specimen (ADL plate) - YOUNG, 1988a, pp. 25-48, text-fig. 23A.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26116-130 are associated on one specimen.
- CPC 26117:** Figured specimen (ADL plate) - YOUNG, 1988a, pp. 25-48, text-fig. 23A.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26116-130 are associated on one specimen.
- CPC 26118:** Figured specimen (MxL plate) - YOUNG, 1988a, pp. 25-48, text-fig. 23B.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26116-130 are associated on one specimen.
- CPC 26119, CPC 26120:** Cited specimens (ADL plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26116-130 are associated on one specimen.
- CPC 26121:** Cited specimen (MxL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26116-130 are associated on one specimen.
- CPC 26122 to CPC 26124:** Cited specimens (ADL plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26116-130 are associated on one specimen.
- CPC 26125 to CPC 26129:** Cited specimens (PMD plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26116-130 are associated on one specimen.
- CPC 26130:** Cited specimen (PVL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: This specimen was used in the restoration of the PVL plate (Young 1988a, text-fig. 23G). CPC 26116-130 are associated on one specimen.
- CPC 26131:** Cited specimen (L plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26131-140 are associated on one specimen.
- CPC 26132:** Cited specimen (PMD plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26131-140 are associated on one specimen.
- CPC 26133:** Cited specimen (ADL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26131-140 are associated on one specimen.
- CPC 26134:** Cited specimen (PVL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26131-140 are associated on one specimen.
- CPC 26135:** Cited specimen (ADL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26131-140 are associated on one specimen.
- CPC 26136:** Cited specimen (PVL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26131-140 are associated on one specimen.

- CPC 26137:** Cited specimen (PNu plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26131-140 are associated on one specimen.
- CPC 26138:** Cited specimen (PVL plate) - YOUNG, 1988a, pp. 25-48, text-fig. 23F.
Locality, horizon and age as for CPC 26014.
Remarks: This specimen was used in the restoration of the PVL plate (Young 1988a, text-fig. 23F). CPC 26131-140 are associated on one specimen.
- CPC 26139:** Cited specimen (PVL plate) - YOUNG, 1988a, pp. 25-48, text-fig. 23G.
Locality, horizon and age as for CPC 26014.
Remarks: This specimen was used in the restoration of the PVL plate (Young 1988a, text-fig. 23G). CPC 26131-140 are associated on one specimen.
- CPC 26140:** Cited specimen (PMD plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26131-140 are associated on one specimen.
- CPC 26141:** Figured specimen (PrL plate) - YOUNG, 1988a, pp. 25-48, text-fig. 8A.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26141-144 are associated on one specimen.
- CPC 26142:** Cited specimen (Mm2 of pectoral fin) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26141-144 are associated on one specimen.
- CPC 26143:** Cited specimen (Cv1 of pectoral fin) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26141-144 are associated on one specimen.
- CPC 26144:** Cited specimen (possible distal segment of pectoral fin) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26141-144 are associated on one specimen.
- CPC 26145:** Cited specimen (MxL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26145-148 are associated on one specimen.
- CPC 26146, CPC 26147:** Cited specimens (L plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26145-148 are associated on one specimen.
- CPC 26148, CPC 26149:** Cited specimens (ADL plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26145-148 are associated on one specimen. CPC 26149-155 are associated on one specimen.
- CPC 26150:** Figured specimen (MxL plate) - YOUNG, 1988a, pp. 25-48, pl. 2, fig. 7.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26149-155 are associated on one specimen.
- CPC 26151:** Cited specimen (MxL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26149-155 are associated on one specimen.
- CPC 26152:** Figured specimen (ADL plate) - YOUNG, 1988a, pp. 25-48, pl. 1, fig. 10.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26149-155 are associated on one specimen.

- CPC 26153, CPC 26154:** Cited specimens (ADL plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26149-155 are associated on one specimen.
- CPC 26155:** Figured specimen (L plate) - YOUNG, 1988a, pp. 25-48, text-fig. 20D; pl. 1, fig. 12.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26149-155 are associated on one specimen.
- CPC 26156:** Cited specimen (ADL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26156-159 are associated on one specimen.
- CPC 26157:** Cited specimen (MxL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26156-159 are associated on one specimen.
- CPC 26158, CPC 26159:** Cited specimens (L plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26156-159 are associated on one specimen.
- CPC 26160:** Cited specimen (MxL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26160-162 are associated on one specimen.
- CPC 26161:** Figured specimen (AVL plate) - YOUNG, 1988a, pp. 25-48, text-fig. 23E.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26160-162 are associated on one specimen.
- CPC 26162:** Cited specimen (Cv1 and MI2 of pectoral fin) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26160-162 are associated on one specimen.
- CPC 26163, CPC 26164:** Cited specimens (Cv plates of pectoral fin) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: These specimens are associated on one specimen.
- CPC 26165:** Cited specimen (MI2 of pectoral fin) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
- CPC 26166:** Cited specimen (ADL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26166-168 are associated on one specimen.
- CPC 26167, CPC 26168:** Cited specimens (AMD plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26166-168 are associated on one specimen.
- CPC 26169:** Cited specimen (ADL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
- CPC 26170:** Cited specimen (Cd2 of pectoral fin) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
- CPC 26171:** Cited specimen (AVL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.

- CPC 26172, CPC 26173:** Cited specimens (PMD plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
- CPC 26174:** Cited specimen (MI2 plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
- CPC 26175:** Cited specimen (AMD plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
- CPC 26176:** Cited specimen (Cv1 of pectoral fin) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
- CPC 26177:** Cited specimen (pectoral fin element) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
- CPC 26178:** Cited specimen (PMD plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26178 is associated with CPC 26179 on one specimen.
- CPC 26179:** Cited specimen (?MxL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26179 is associated with CPC 26178 on one specimen.
- CPC 26180:** Cited specimen (pectoral fin element) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
- CPC 26181:** Figured specimen (AMD plate) - YOUNG, 1988a, pp. 25-48, text-fig. 22D.
Locality, horizon and age as for CPC 26014.
- CPC 26182, CPC 26183:** Cited specimens (ADL plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26182-187 are associated on one specimen.
- CPC 26184:** Cited specimen (PMD plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26182-187 are associated on one specimen.
- CPC 26185:** Cited specimen (PVL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26182-187 are associated on one specimen.
- CPC 26186:** Cited specimen (L plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26182-187 are associated on one specimen.
- CPC 26187:** Cited specimen (MxL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26182-187 are associated on one specimen.
- CPC 26188:** Figured specimen (AMD plate) - YOUNG, 1988a, pp. 25-48, text-figs 22A-B.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26188 is associated with CPC 26189 on one specimen.
- CPC 26189:** Cited specimen (Cv1 plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26189 is associated with CPC 26188 on one specimen.

- CPC 26190:** Figured specimen (AVL plate) - YOUNG, 1988a, pp. 25-48, text-fig. 23C.
Locality, horizon and age as for CPC 26014.
- CPC 26191 to CPC 26193:** Cited specimens (AVL plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26193 is associated with CPC 26194 on one specimen.
- CPC 26194:** Cited specimen (Cv1 of pectoral fin) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26194 is associated with CPC 26193 on one specimen.
- CPC 26195:** Figured specimen (AMD plate) - YOUNG, 1988a, pp. 25-48, text-fig. 21B.
Locality, horizon and age as for CPC 26014.
- CPC 26196:** Cited specimen (PVL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26196 is associated with CPC 26197 on one specimen.
- CPC 26197:** Cited specimen (AVL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26197 is associated with CPC 26196 on one specimen.
- CPC 26198:** Cited specimen (PMD plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26198-200 are associated on one specimen.
- CPC 26199:** Cited specimen (ADL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26198-200 are associated on one specimen.
- CPC 26200:** Cited specimen (Nu plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26198-200 are associated on one specimen.
- CPC 26201:** Figured specimen (Nu plate) - YOUNG, 1988a, pp. 25-48, pl. 1, fig. 13.
Locality, horizon and age as for CPC 26014.
Remarks: CPC 26201-203 are associated on one specimen.
- CPC 26202:** Cited specimen (AMD plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
Remarks: CPC 26201-203 are associated on one specimen.
- CPC 26203:** Cited specimen (ADL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
Remarks: CPC 26201-203 are associated on one specimen.
- CPC 26204:** Cited specimen (AMD plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
- CPC 26205, CPC 26206:** Cited specimens (AVL plates) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
- CPC 26207:** Cited specimen (pectoral fin plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
- CPC 26208:** Cited specimen (L plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.

- CPC 26209: Cited specimen (AMD plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
- CPC 26210: Figured specimen (AMD and PMD plates) - YOUNG, 1988a, pp. 25-48, text-figs 21C, 22C; pl. 3, fig. 8.
Locality, horizon and age as for CPC 25985.
- CPC 26211: Cited specimen (ADL plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
- CPC 26212: Cited specimen (L plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
Remarks: This specimen occurs with many others on one sample. See 'remarks' for CPC 26003 for full listing.
- CPC 26213: Cited specimen (PMD plate) - YOUNG, 1988a, pp. 25-48.
Locality, horizon and age as for CPC 25985.
Remarks: This specimen occurs with many others on one sample. See 'remarks' for CPC 26003 for full listing.

***Bothriolepis billilunensis* YOUNG, 1987**

- CPC 13853: HOLOTYPE (incomplete left MxL plate) - YOUNG, 1987, pp. 182-185, text-fig. 2A-B; pl. 1, figs 1-2.
Locality: Locality B130 of Young (1987, fig. 1), Knobby Hills, NNW of 'Billiluna' homestead, Western Australia.
Horizon: Knobby Sandstone, Canning Basin.
Age: Famennian?, Late Devonian.
- CPC 13854: Figured specimen (incomplete right PVL plate) - YOUNG, 1987, pp. 182-185, text-fig. 2C; pl. 1, fig. 3.
Locality, horizon and age as for CPC 13853.

***Bothriolepis karawaka* YOUNG, 1988**

- CPC 26377: Figured specimen (PrM and incomplete L plates) - YOUNG, 1988a, pp. 86-91, pl. 12, fig. 7.
Locality: Locality 24 of Young (1988a, fig. 3), Mount Ritchie, southern Warren Range, southern Victoria Land, Antarctica.
Horizon: Unit 54 or 62, Section A4 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 26378: Figured specimen (Nu plate) - YOUNG, 1988a, pp. 86-91, text-fig. 44C.
Locality: Locality 14 of Young (1988a, fig. 3), southern end of Mount Metschel, southern Victoria Land, Antarctica.
Horizon: upper part of Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 26379: Figured specimen (AMD plate) - YOUNG, 1988a, pp. 86-91, pl. 12, fig. 3.
Locality, horizon and age as for CPC 26377.
- CPC 26380: Cited specimen (ADL plate) - YOUNG, 1988a, pp. 86-91.
Locality: Locality 13 of Young (1988a, fig. 3), eastern end of Mount Metschel, southern Victoria Land, Antarctica.
Horizon: Unit 10, Section M1 of Askin *et al.* (1971), upper Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.

- CPC 26381:** Figured specimen (AVL plate with articulated proximal segment of pectoral fin) - YOUNG, 1988a, pp. 86-91, text-figs 50B, 51B.
Locality, horizon and age as for CPC 26380.
- CPC 26382:** Figured specimen (AVL plate with articulated proximal segment of pectoral fin) - YOUNG, 1988a, pp. 86, 91, text-figs 50B, 51A, C-D; pl. 12, figs 4, 6.
Locality, horizon and age as for CPC 26380.
- CPC 26383:** Figured specimen (AVL plate) - YOUNG, 1988a, pp. 86-91, pl. 12, fig. 5.
Locality, horizon and age as for CPC 26380.

***Bothriolepis kohni* YOUNG, 1988**

- CPC 26214: HOLOTYPE** (incomplete head-shield) - YOUNG, 1988a, pp. 49-52, fig. 25.
Locality: MC1, Locality 8 of Young (1988a, figs 3, 4), Mount Crean, Lashly Range, southern Victoria Land, Antarctica.
Horizon: lower Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 26215:** Figured specimen (incomplete PMD plate) - YOUNG, 1988a, pp. 49-52, text-fig. 26A; pl. 5, fig. 3.
Locality, horizon and age as for CPC 26214.
- CPC 26216:** Figured specimen (incomplete PMD plate) - YOUNG, 1988a, pp. 49-52, text-fig. 26B; pl. 5, fig. 2.
Locality: Mount Crean, Lashly Range, southern Victoria Land, Antarctica.
Horizon: Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
Remarks: Uncertainty about the provenance of this specimen is discussed by Young (1988a, p. 50).
- CPC 26217:** Figured specimen (portion of articulated MxL and PVL plates) - YOUNG, 1988a, pp. 49-52, text-fig. 27A.
Locality, horizon and age as for CPC 26214.
- CPC 26218:** Cited specimen (incomplete PVL plate) - YOUNG, 1988a, pp. 49-52.
Locality, horizon and age as for CPC 26214.
- CPC 26219:** Cited specimen (incomplete Cd1 plate) - YOUNG, 1988a, pp. 49-52.
Locality, horizon and age as for CPC 26214.

***Bothriolepis macphersoni* YOUNG, 1988**

- CPC 26384: HOLOTYPE** (skull with associated bones of the cheek, jaws and incomplete trunk armour preserved in part and counterpart) - YOUNG, 1988a, pp. 92-98, text-figs 53-55, 56A-B, 66C; pl. 13, figs 1-3, 6.
Locality: Locality 24 of Young (1988a, fig. 3), Mount Ritchie, southern Warren Range, southern Victoria Land, Antarctica.
Horizon: Unit 62, Section A4 of Askin *et al.* (1971), upper Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
Remarks: The left SM plate from CPC 26384 was refigured by Young & Zhang (1992, fig. 9A).
- CPC 26385:** Figured specimen (PrM from the skull, with M12 and Cd2 plates of pectoral fin) - YOUNG, 1988a, pp. 92-98, pl. 13, fig. 4.
Locality, horizon and age as for CPC 26384.

- CPC 26386: Figured specimen (AVL plate showing pectoral fin articulation) - YOUNG, 1988a, pp. 92-98, text-fig. 56C; pl. 13, fig. 5; pl. 14, fig. 1.
Locality, horizon and age as for CPC 26384.
Remarks: This specimen was refigured by Young & Zhang (1992, fig. 2H).
- CPC 26387: Figured specimen (AVL and PVL plates and pectoral fin, all incomplete) - YOUNG, 1988a, pp. 92-98, text-fig. 57A; pl. 13, figs 7-8; pl. 14, fig. 2.
Locality, horizon and age as for CPC 26384.

***Bothriolepis mawsoni* YOUNG, 1988**

- CPC 26388: Cited specimen (incomplete PVL) - YOUNG, 1988a, pp. 98-103.
Locality: Locality 24 of Young (1988a, fig. 3), Mount Ritchie, southern Warren Range, southern Victoria Land, Antarctica.
Horizon: Unit 62, Section A4 of Askin *et al.* (1971), upper Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 26389: Figured specimen (Nu and PP plates) - YOUNG, 1988a, pp. 98-103, text-fig. 44A; pl. 14, fig. 6.
Locality: Locality 14 of Young (1988a, fig. 3), southern end of Mount Metschel, southern Victoria Land, Antarctica.
Horizon: Upper 30 m of Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 26390: Figured specimen (incomplete Nu plate) - YOUNG, 1988a, pp. 98-103, text-fig. 44B.
Locality: Locality 13 of Young (1988a, fig. 3), eastern end of Mount Metschel, southern Victoria Land, Antarctica.
Horizon: Upper Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 26391: Figured specimen (incomplete PMD plate) - YOUNG, 1988a, pp. 98-103, text-fig. 59A.
Locality: Locality 13 of Young (1988a, fig. 3), eastern end of Mount Metschel, southern Victoria Land, Antarctica.
Horizon: Unit 10, Section M1 of Askin *et al.* (1971), upper Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 26392: Figured specimen (incomplete PMD plate) - YOUNG, 1988a, pp. 98-103, pl. 14, fig. 5.
Locality, horizon and age as for CPC 26390.
- CPC 26393: Figured specimen (incomplete MxL plate) - YOUNG, 1988a, pp. 98-103, text-fig. 58B.
Locality, horizon and age as for CPC 26391.
- CPC 26394: Cited specimen (M12 of pectoral fin) - YOUNG, 1988a, pp. 98-103.
Locality, horizon and age as for CPC 26391.

***Bothriolepis portalensis* YOUNG, 1988**

- CPC 26233: Figured specimen (incomplete head-shield) - YOUNG, 1988a, pp. 62-78, text-fig. 34C; pl. 7, fig. 5.
Locality: Locality 11 of Young (1988a, fig. 3), Portal Mountain, southern Victoria Land, Antarctica.
Horizon: Unit 17, Section 10 of Barrett & Webb (1973), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.

- CPC 26234:** Figured specimen (incomplete head-shield) - YOUNG, 1988a, pp. 62-78, text-fig. 34G; pl. 7, fig. 8.
Locality, horizon and age as for CPC 26233.
Remarks: The two illustrations of this specimen show the preserved bone (text-fig. 34G) and a latex cast of its impression in the counterpart (pl. 7, fig. 8). CPC 26254 occurs on the same sample.
- CPC 26235:** Figured specimen (incomplete head-shield) - YOUNG, 1988a, pp. 62-78, pl. 8, fig. 1.
Locality, horizon and age as for CPC 26233.
Remarks: Young (1988a, p. 62) indicates, in error, that specimens CPC 26235-339 come from Locality 16, but the two numbers were transposed, and these numbers should read 'CPC 26325-339'. In fact, specimens CPC 26235-324 all come from the type locality (Locality 11).
- CPC 26236:** Figured specimen (Nu plate) - YOUNG, 1988a, pp. 62-78, pl. 7, fig. 6.
Locality, horizon and age as for CPC 26233.
- CPC 26237:** Figured specimen (Nu plate) - YOUNG, 1988a, pp. 62-78, text-fig. 37C; pl. 8, fig. 2.
Locality, horizon and age as for CPC 26233.
- CPC 26238:** Cited specimen (L plate) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
Remarks: The listing of this number in the caption to pl. 8, fig. 11 (Young 1988a, p. 123) is an error (should read CPC 26268).
- CPC 26239:** Figured specimen (PrM and AVL plate) - YOUNG, 1988a, pp. 62-78, text-fig. 37E; pl. 9, fig. 11; pl. 10 fig. 1.
Locality, horizon and age as for CPC 26233.
Remarks: The two associated bones are assumed to come from one individual (Young 1988a, p. 70). CPC 26321 occurs on the same sample.
- CPC 26240:** Cited specimen (Nu plate) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
- CPC 26241:** Cited specimen (PrM plate) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
- CPC 26242:** Cited specimen (PNu plate in part and counterpart) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
- CPC 26243, CPC 26244:** Cited specimens (L plates) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
- CPC 26245:** Cited specimen (L plate with associated Cd and M12 plates from the pectoral fin) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
Remarks: CPC 26245, 251, and 267 are associated on one sample.
- CPC 26246:** Cited specimen (Nu and PNu plates) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
- CPC 26247:** Cited specimen (L plate) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
- CPC 26248:** Cited specimen (longitudinal section of PrM plate) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
- CPC 26249:** Cited specimen (incomplete skull) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.

- CPC 26250:** Cited specimen (PrM and L plates) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
- CPC 26251 to CPC 26254:** Cited specimens (AMD plates) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
Remarks: CPC 26251 occurs with 26245 and 26267 on one sample. CPC 26254 occurs with CPC 26234.
- CPC 26255:** Figured specimen (AMD plate) - YOUNG, 1988a, pp. 62-78, text-fig. 38B; pl. 8, fig. 3.
Locality, horizon and age as for CPC 26233.
- CPC 26256:** Figured specimen (AMD plate) - YOUNG, 1988a, pp. 62-78, fig. 38A.
Locality, horizon and age as for CPC 26233.
- CPC 26257 to CPC 26266:** Cited specimens (AMD plates) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
- CPC 26267:** Cited specimen (PMD plate) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
Remarks: CPC 26267 occurs with CPC 26245 and 26251 on one sample.
- CPC 26268:** Figured specimen (PMD plate) - YOUNG, 1988a, pp. 62-78, text-fig. 39A; pl. 8, fig. 11.
Locality, horizon and age as for CPC 26233.
Remarks: The caption for pl. 8, fig. 11 of Young (1988a, p. 123) gives CPC 26238 in error for CPC 26268. This specimen occurs with CPC 26301.
- CPC 26269 to CPC 26273:** Cited specimens (PMD plates) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
- CPC 26274:** Figured specimen (ADL plate in part and counterpart) - YOUNG, 1988a, pp. 62-78, pl. 9, figs 2-3.
Locality, horizon and age as for CPC 26233.
Remarks: This specimen occurs with CPC 26315.
- CPC 26275, CPC 26276:** Cited specimens (ADL plates) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
- CPC 26277:** Figured specimen (ADL plate) - YOUNG, 1988a, pp. 62-78, pl. 9, fig. 4.
Locality, horizon and age as for CPC 26233.
- CPC 26278:** Cited specimen (MxL, with M12 of pectoral fin) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
- CPC 26279, CPC 26280:** Cited specimens (MxL plates) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
- CPC 26281:** Figured specimen (MxL plate) - YOUNG, 1988a, pp. 62-78, pl. 9, fig. 6.
Locality, horizon and age as for CPC 26233.
- CPC 26282 to CPC 26284:** Cited specimens (MxL plates) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
- CPC 26285:** Figured specimen (AVL plate) - YOUNG, 1988a, pp. 62-78, text-fig. 40A; pl. 9, fig. 10.
Locality, horizon and age as for CPC 26233.
Remarks: This specimen occurs with CPC 21217.
- CPC 26286, CPC 26287:** Cited specimens (AVL plates) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.

- CPC 26288:** Figured specimen (PVL plate and distal segment of pectoral fin) - YOUNG, 1988a, pp. 62-78, pl. 10, fig. 6.
Locality, horizon and age as for CPC 26233.
- CPC 26289:** Figured specimen (PVL plate) - YOUNG, 1988a, pp. 62-78, pl. 10, fig. 9.
Locality, horizon and age as for CPC 26233.
Remarks: This specimen occurs with CPC 26302.
- CPC 26290:** Cited specimen (PVL plate) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
- CPC 26291:** Figured specimen (PVL plate in part and counterpart) - YOUNG, 1988a, pp. 62-78, text-fig. 39D.
Locality, horizon and age as for CPC 26233.
- CPC 26292 to CPC 26294:** Cited specimens (PVL plates) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
- CPC 26295:** Figured specimen (incomplete proximal and distal segments of pectoral fin) - YOUNG, 1988a, pp. 62-78, text-fig. 40E.
Locality, horizon and age as for CPC 26233.
- CPC 26296 to CPC 26298:** Cited specimens (proximal segments of pectoral fin) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
- CPC 26299:** Figured specimen (proximal segment of pectoral fin) - YOUNG, 1988a, pp. 62-78, pl. 10, fig. 4.
Locality, horizon and age as for CPC 26233.
- CPC 26300:** Cited specimen (proximal segment of pectoral fin) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
- CPC 26301:** Figured specimen (proximal segment of pectoral fin) - YOUNG, 1988a, pp. 62-78, text-fig. 40B.
Locality, horizon and age as for CPC 26233.
Remarks: This specimen occurs with CPC 26268.
- CPC 26302:** Figured specimen (proximal segment of pectoral fin) - YOUNG, 1988a, pp. 62-78, text-fig. 40C.
Locality, horizon and age as for CPC 26233.
Remarks: This specimen occurs with to CPC 26289.
- CPC 26303, CPC 26304:** Cited specimens (distal segments of pectoral fin) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
- CPC 26305:** Figured specimen (Cd1 plate in part and counterpart) - YOUNG, 1988a, pp. 62-78, pl. 9, fig. 8.
Locality, horizon and age as for CPC 26233.
- CPC 26306 to CPC 26308:** Cited specimens (Cd1 plates) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
Remarks: CPC 26307 occurs with CPC 26318, and CPC 26308 occurs with CPC 26313.
- CPC 26309:** Cited specimen (Cv1 plate) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
- CPC 26310:** Figured specimen (Cv1 plate) - YOUNG, 1988a, pp. 62-78, pl. 10, fig. 5.
Locality, horizon and age as for CPC 26233.
- CPC 26311, CPC 26312:** Cited specimens (Cv1 plates) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.

- CPC 26313:** Cited specimen (Cv1 and M12 plates) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
Remarks: This specimen occurs with CPC 26308.
- CPC 26314 to CPC 26317:** Cited specimens (M12 plates) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
Remarks: CPC 26315 occurs with CPC 26274.
- CPC 26318:** Cited specimen (Cv2 and Mm1 plates) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
Remarks: This specimen occurs with CPC 26307.
- CPC 26319 to CPC 26321:** Cited specimens (Cv2 plates) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26233.
Remarks: CPC 26321 occurs with CPC 26239.
- CPC 26322:** Cited specimen (PrM plate) - YOUNG, 1988a, pp. 62-78.
Locality: Locality 11 of Young (1988a, fig. 3), Portal Mountain, southern Victoria Land, Antarctica.
Horizon: Unit 26, Section 10 of Barrett & Webb (1973), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 26323:** Cited specimen (L plate) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26322.
- CPC 26324:** Cited specimen (MxL plate) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26322.
- CPC 26325:** Figured specimen (PMD plate) - YOUNG, 1988a, pp. 62-78, pl. 10, fig. 11.
Locality: Locality 16 of Young (1988a, fig. 3), northern Boomerang Range, southern Victoria Land, Antarctica.
Horizon: Unit 4, Section A2 of Askin *et al.* (1971), in the upper 30 m of the Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
Remarks: The listing of specimens of *B. portalensis* from Locality 16 given by Young (1988a, p. 62) is incorrect, and should read CPC 26325-339 (CPC 26235 cited in error).
- CPC 26326:** Cited specimen (PMD plate) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26325.
- CPC 26327:** Figured specimen (PMD plate) - YOUNG, 1988a, pp. 62-78, text-fig. 43C.
Locality, horizon and age as for CPC 26325.
- CPC 26328:** Cited specimen (PMD plate) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26325.
- CPC 26329:** Cited specimen (MxL plate) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26325.
- CPC 26330:** Figured specimen (MxL plate) - YOUNG, 1988a, pp. 62-78, pl. 10, fig. 12.
Locality, horizon and age as for CPC 26325.
- CPC 26331 to CPC 26333:** Cited specimens (MxL plates) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26325.
- CPC 26334:** Figured specimen (AVL plate) - YOUNG, 1988a, pp. 62-78, text-fig. 43F.
Locality, horizon and age as for CPC 26325.
Remarks: The caption for text-fig. 43F (Young 1988a) cites CPC 26344 in error (should read 26334).

- CPC 26335:** Figured specimen (PVL plate) - YOUNG, 1988a, pp. 62-78, text-fig. 43G.
Locality, horizon and age as for CPC 26325.
- CPC 26336:** Cited specimen (PVL plate) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26325.
Remarks: The number CPC 26336 cited by Young (1988a, caption to text-fig. 43E) is an error (should read 26366).
- CPC 26337:** Cited specimen (proximal segment of pectoral fin) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26325.
- CPC 26338:** Cited specimen (M12 plate) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26325.
- CPC 26339:** Cited specimen (Cd1 of pectoral fin) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26325.
- CPC 26340:** Figured specimen (skull) - YOUNG, 1988a, pp. 62-78, text-fig. 42A; pl. 11, fig. 1.
Locality: Locality 23 of Young (1988a, fig. 3), southern Warren Range, southern Victoria Land, Antarctica.
Horizon: Equivalent to a low horizon in Section A5 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 26341:** Figured specimen (PMD plate) - YOUNG, 1988a, pp. 62-78, pl. 11, fig. 3.
Locality, horizon and age as for CPC 26340.
- CPC 26342:** Figured specimen (PMD plate) - YOUNG, 1988a, pp. 62-78, pl. 11, fig. 2.
Locality, horizon and age as for CPC 26340.
- CPC 26343:** Figured specimen (PMD plate) - YOUNG, 1988a, pp. 62-78, text-fig. 42B.
Locality, horizon and age as for CPC 26340.
Remarks: The caption to text-fig. 42B of Young (1988a) cites CPC 26342 in error (should read CPC 26343).
CPC 26343, 344, 345, 350 occur on the same sample.
- CPC 26344:** Figured specimen (MxL, PVL and Cd1 plates) - YOUNG, 1988a, pp. 62-78, pl. 11, fig. 5.
Locality, horizon and age as for CPC 26340.
Remarks: These associated plates are assumed to come from one individual (Young 1988a, p. 76). CPC 26343, 344, 345, 350 occur on the same sample.
- CPC 26345:** Figured specimen (MxL plate) - YOUNG, 1988a, pp. 62-78, pl. 11, fig. 4.
Locality, horizon and age as for CPC 26340.
Remarks: CPC 26343, 344, 345, 350 occur on the same sample.
- CPC 26346:** Cited specimen (AVL plate) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26340.
Remarks: This specimen occur with CPC 26351.
- CPC 26347:** Figured specimen (AVL plate) - YOUNG, 1988a, pp. 62-78, text-fig. 42D.
Locality, horizon and age as for CPC 26340.
- CPC 26348:** Figured specimen (PVL plate) - YOUNG, 1988a, pp. 62-78, text-fig. 42E.
Locality, horizon and age as for CPC 26340.
Remarks: Young (1988a, caption to text-fig. 42C) cites CPC 26348 in error for a Cd1 plate (should read CPC 26349).

- CPC 26349:** Figured specimen (Cv1 plate) - YOUNG, 1988a, pp. 62-78, text-fig. 42C.
Locality, horizon and age as for CPC 26340.
Remarks: CPC 26349 occurs with CPC 21228, a xenacanth shark tooth described by Young (1982). The number CPC 26348 is cited in error by Young (1988a) in the caption to text-fig. 42C (should read CPC 26349).
- CPC 26350:** Cited specimen (M12 plate) - YOUNG, 1988a, pp. 62-78.
Locality, horizon and age as for CPC 26340.
Remarks: CPC 26343, 344, 345, 350 occur on the same sample.
- CPC 26351:** Figured specimen (M12 plate) - YOUNG, 1988a, pp. 62-78, text-fig. 42F.
Locality, horizon and age as for CPC 26340.
Remarks: This specimen occur with CPC 26346.

***Bothriolepis verrucosa* YOUNG & GORTER, 1981**

See Monarolepis verrucosa

Young (1988a, p. 111) removed the species from *Bothriolepis*, and made it the type species of a new genus *Monarolepis*.

***Bothriolepis vuwae* YOUNG, 1988**

- CPC 26395:** Figured specimen (incomplete head-shield) - YOUNG, 1988a, pp. 103-107, text-figs 62B; pl. 15, fig. 3.
Locality: Locality 24 of Young (1988a, fig. 3), Mount Ritchie, southern Warren Range, southern Victoria Land, Antarctica.
Horizon: Unit 54 and/or unit 62, Section A4 of Askin *et al.* (1971), in the upper 30 m of the Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 26396:** Figured specimen (PrM plate) - YOUNG, 1988a, pp. 103-107, pl. 15, fig. 5.
Locality, horizon and age as for CPC 26395.
- CPC 26397:** Figured specimen (ADL plate) - YOUNG, 1988a, pp. 103-107, pl. 15, figs 7-8.
Locality, horizon and age as for CPC 26395.
- CPC 26398, CPC 26399:** Cited specimens (AVL plates) - YOUNG, 1988a, pp. 103-107.
Locality, horizon and age as for CPC 26395.
- CPC 26400:** Figured specimen (Nu plate) - YOUNG, 1988a, pp. 103-107, text-fig. 44D.
Locality: Locality 13 of Young (1988a, fig. 3), eastern end of Mount Metschel, southern Victoria Land, Antarctica.
Horizon: Section M1 of Askin *et al.* (1971), in the upper 30 m of the Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 26401:** Figured specimen (Nu plate) - YOUNG, 1988a, pp. 103-107, text-fig. 44E.
Locality, horizon and age as for CPC 26400.

***Bothriolepis* sp. indet. 4 YOUNG, 1988**

- CPC 26220:** Figured specimen (skull) - YOUNG, 1988a, pp. 52-57, text-fig. 28A; pl. 5, fig. 6.
Locality: MC4, Locality 8 of Young (1988a, figs 3,4), Mount Crean, Lashly Range, southern Victoria Land, Antarctica.

Horizon: uncertain, but probably from the lower part of the Aztec Siltstone, Taylor Group, Beacon Supergroup.

Age: Givetian-Frasnian, Middle-Late Devonian.

Remarks: Collected loose in scree but similar sandstone lithology as material grouped together as '*Bothriolepis* sp. indet. 4' suggests similar provenance, and included specimens may be conspecific (Young 1988a, p. 53).

CPC 26221: Figured specimen (skull) - YOUNG, 1988a, pp. 52-57, text-fig. 31B.

Locality, horizon, age and remarks as for CPC 26220.

CPC 26222: Figured specimen (AMD plate) - YOUNG, 1988a, pp. 52-57, text-fig. 29B; pl. 5, fig. 4.

Locality, horizon, age and remarks as for CPC 26220.

CPC 26223: Figured specimen (MxL plate) - YOUNG, 1988a, pp. 52-57, text-fig. 27B; pl. 5, fig. 7.

Locality, horizon, age and remarks as for CPC 26220.

Remarks: This specimen was collected loose in the scree. It contains abundant scales of *Turinia antarctica* which were illustrated by Turner & Young (1992, fig. 8).

CPC 26224: Cited specimen (MxL plate) - YOUNG, 1988a, pp. 52-57.

Locality: MC3, Locality 8 of Young (1988a, fig. 3), Mount Crean, Lashly Range, southern Victoria Land, Antarctica.

Horizon: Near '*Bothriolepis* pavement' (see Young 1988a, pp. 10-14), horizon uncertain, but probably from the lower part of the Aztec Siltstone, Taylor Group, Beacon Supergroup.

Age: Givetian-Frasnian, Middle-Late Devonian.

Remarks: Collected loose in scree.

CPC 26225: Figured specimen (PVL plate) - YOUNG, 1988a, pp. 52-57, pl. 5, fig. 8.

Locality, horizon and age as for CPC 26224.

Remarks: This specimen was collected loose in the scree. It contains abundant scales of *Turinia antarctica* which were illustrated by Turner & Young (1992, fig. 8).

***Bothriolepis* sp. indet. 5 YOUNG, 1988**

CPC 26226: Figured specimen (AVL with attached proximal segment of pectoral fin) - YOUNG, 1988a, pp. 57-60, text-figs 32B-C; pl. 6, fig. 2.

Locality: MC4, Locality 8 of Young (1988a, figs 3,4), Mount Crean, Lashly Range, southern Victoria Land, Antarctica.

Horizon: Near Section L2 of Askin *et al.* (1971), horizon uncertain, but probably from the lower part of the Aztec Siltstone, Taylor Group, Beacon Supergroup.

Age: Givetian-Frasnian, Middle-Late Devonian.

Remarks: Collected loose in scree. This specimen is also figured by Young (1991b, fig. 15.8C). Material grouped together as '*Bothriolepis* sp. indet. 5' are probably conspecific, and differ from those included as '*Bothriolepis* sp. indet. 4', although probably from similar horizons within the Aztec Siltstone (Young 1988a, p. 57).

CPC 26227: Figured specimen (AVL with attached proximal segment of pectoral fin) - YOUNG, 1988a, pp. 57-60, text-fig. 32A; pl. 6, fig. 4.

Locality, horizon and age as for CPC 26226.

***Bothriolepis* sp. indet. 6 YOUNG, 1988**

CPC 26228: Figured specimen (skull) - YOUNG, 1988a, pp. 60-62, text-fig. 28B.

Locality: Locality 8 of Young (1988a, fig. 3), Mount Crean, Lashly Range, southern Victoria Land, Antarctica.

Horizon: Aztec Siltstone, Taylor Group, Beacon Supergroup.

Age: Givetian-Frasnian, Middle-Late Devonian.

Remarks: Specimens grouped together as '*Bothriolepis* sp. indet. 6' come from various uncertain or unknown horizons within the Aztec Siltstone, and probably include several species (Young 1988a, p. 60).

CPC 26229: Figured specimen (incomplete PVL plate) - YOUNG, 1988a, pp. 60-62, pl. 6, fig. 5.

Locality: MC3, Locality 8 of Young (1988a, fig. 3), Mount Crean, Lashly Range, southern Victoria Land, Antarctica.

Horizon: unit uncertain, but on lithologies probably from the '*Bothriolepis* pavement' (see Young 1988a, pp. 10-14), Aztec Siltstone, Taylor Group, Beacon Supergroup.

Age: Givetian-Frasnian, Middle-Late Devonian.

CPC 26230: Cited specimen (PVL plate) - YOUNG, 1988a, pp. 60-62.

Locality, horizon and age as for CPC 26229.

CPC 26231: Figured specimen (proximal segment of pectoral fin) - YOUNG, 1988a, pp. 60-62, text-fig. 30B; pl. 6, fig. 7.

Locality: MC2, Locality 8 of Young (1988a, figs 3, 4), Mount Crean, Lashly Range, southern Victoria Land, Antarctica.

Horizon: Unit 8, Section L2 of Askin *et al.* (1971), lower Aztec Siltstone, Taylor Group, Beacon Supergroup.

Age: Givetian-Frasnian, Middle-Late Devonian.

***Bothriolepis* sp. indet. 7 YOUNG, 1988**

CPC 26232: Figured specimen (incomplete AVL, PVL and pectoral fin plates) - YOUNG, 1988a, p. 62, text-fig. 33B.

Locality: Locality 9 of Young (1988a, fig. 3), southeast of Mount Crean, Lashly Range, southern Victoria Land, Antarctica.

Horizon: Probably from unit 34, Section L1 of Askin *et al.* (1971), upper Aztec Siltstone, Taylor Group, Beacon Supergroup.

Age: Givetian-Frasnian, Middle-Late Devonian.

***Bothriolepis* sp. indet. 8 YOUNG, 1988**

CPC 26352, CPC 26353: Cited specimens (incomplete proximal segments of pectoral fin) - YOUNG, 1988a, pp. 78-79.

Locality: Locality 12 of Young (1988a, fig. 3), Portal Mountain, southern Victoria Land, Antarctica.

Horizon: Unit 4, Section P1 of Askin *et al.* (1971), lower Aztec Siltstone, Taylor Group, Beacon Supergroup.

Age: Givetian-Frasnian, Middle-Late Devonian.

CPC 26354: Figured specimen (incomplete AVL and proximal segment of pectoral fin) - YOUNG, 1988a, pp. 78-79, text-fig. 33A.

Locality, horizon and age as for CPC 26352.

CPC 26355: Cited specimen (incomplete pectoral fin segment) - YOUNG, 1988a, pp. 78-79.

Locality, horizon and age as for CPC 26352.

CPC 26356: Cited specimen (incomplete PVL plate) - YOUNG, 1988a, pp. 78-79.

Locality, horizon and age as for CPC 26352.

CPC 26357, CPC 26358: Cited specimens (incomplete AVL plates) - YOUNG, 1988a, pp. 78-79.

Locality, horizon and age as for CPC 26352.

***Bothriolepis* sp. indet. 9 YOUNG, 1988**

CPC 26359: Figured specimen (L plate) - YOUNG, 1988a, p. 79, pl. 11, fig. 6.

Locality: Locality 11 of Young (1988a, fig. 3), Portal Mountain, southern Victoria Land, Antarctica.

Horizon: Unit 17, Section 10 of Barrett & Webb (1973), Aztec Siltstone, Taylor Group, Beacon Supergroup.

Age: Givetian-Frasnian, Middle-Late Devonian.

***Bothriolepis* sp. indet. 10 YOUNG, 1988**

CPC 26360: Figured specimen (skull, incomplete) - YOUNG, 1988a, pp. 79-80, text-fig. 44F.

Locality: Mount Metschel, exact locality uncertain, but probably from Locality 14 of Young (1988a, fig. 3), southern Victoria Land, Antarctica.

Horizon: Upper Aztec Siltstone, Taylor Group, Beacon Supergroup.

Age: Givetian-Frasnian, Middle-Late Devonian.

CPC 26361: Figured specimen (L plate) - YOUNG, 1988a, pp. 79-80, text-fig. 45A.

Locality, horizon and age as for CPC 26360.

CPC 26362: Cited specimen (Cv1 of pectoral fin) - YOUNG, 1988a, pp. 79-80.

Locality: Locality 14 of Young (1988a, fig. 3), southwestern end of Mount Metschel, southern Victoria Land, Antarctica.

Horizon: Upper 5 m of Section M2 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.

Age: Givetian-Frasnian, Middle-Late Devonian.

***Bothriolepis* sp. indet. 11 YOUNG, 1988**

CPC 26363: Figured specimen (PrM plate) - YOUNG, 1988a, pp. 81-82, text-fig. 43A; pl. 11, fig. 8.

Locality: Locality 16 of Young (1988a), northern Boomerang Range, southern Victoria Land, Antarctica.

Horizon: Unit 4, Section A2 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.

Age: Givetian-Frasnian, Middle-Late Devonian.

CPC 26364: Figured specimen (AMD plate) - YOUNG, 1988a, pp. 81-82, text-fig. 43B; pl. 11, fig. 9.

Locality, horizon and age as for CPC 26363.

CPC 26365: Cited specimen (PMD plate) - YOUNG, 1988a, pp. 81-82.

Locality, horizon and age as for CPC 26363.

CPC 26366: Figured specimen (ADL plate) - YOUNG, 1988a, pp. 81-82, text-fig. 43E.

Locality, horizon and age as for CPC 26363.

Remarks: Error in the caption to text-fig. 43E (Young 1988a), CPC 26336 should read CPC 26366.

***Bothriolepis* sp. indet. 12 YOUNG, 1988**

CPC 26367: Figured specimen (L plate) - YOUNG, 1988a, pp. 82-83, text-fig. 43H; pl. 11, fig. 12.

Locality: Locality 17 of Young (1988a, fig. 3), northwestern ridge of Alligator Peak, northern Boomerang Range, southern Victoria Land, Antarctica.

Horizon: Unit 32, Section A1 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.

Age: Givetian-Frasnian, Middle-Late Devonian.

CPC 26368: Figured specimen (PP plate) - YOUNG, 1988a, pp. 82-83, pl. 11, fig. 10.

Locality, horizon and age as for CPC 26367.

- CPC 26369:** Figured specimen (PMD plate) - YOUNG, 1988a, pp. 82-83, text-fig. 43I.
Locality, horizon and age as for CPC 26367.
- CPC 26370:** Cited specimen (MxL plate) - YOUNG, 1988a, pp. 82-83.
Locality, horizon and age as for CPC 26367.
- CPC 26371:** Figured specimen (Cv1 of pectoral fin) - YOUNG, 1988a, pp. 82-83, pl. 11, fig. 11.
Locality, horizon and age as for CPC 26367.

***Bothriolepis* sp. GILBERT-TOMLINSON, 1968**

- CPC 6922:** Figured specimen (left ADL plate) - GILBERT-TOMLINSON, 1968, pp. 215-221, text-fig. 8, pl. 15, figs 1, 3-5.
Locality: Dare Plain, 240 km WSW of Alice Springs, on the NE limb of the Mereenie Anticline, Northern Territory, Australia.
Horizon: Harajica Sandstone Member, Parke Siltstone, Pertnjara Group, Amadeus Basin.
Age: Givetian-Frasnian, Middle-Late Devonian.
Remarks: This specimen was refigured by Young (1985a, fig. 5G). The number is listed in error by Crespin (1971, p. 125) for a radiolarian (should read CPC 6972).
- CPC 6923:** Figured specimen (right ADL plate) - GILBERT-TOMLINSON, 1968, pp. 215-221, pl. 15, fig. 6.
Locality, horizon and age as for CPC 6922.

***Bothriolepis* sp. FERGUSON et al., 1979**

- CPC 16997:** Cited specimen (part of a pectoral fin) - FERGUSON *et al.*, 1979, p. 103.
Locality: Pambula River, about 5 km west of Pambula, southeastern New South Wales, Australia.
Horizon: Facies 3, Boyd Volcanic Complex, Lachlan Fold Belt.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 16998:** Cited specimen (poorly preserved skull) - FERGUSON *et al.*, 1979, p. 103.
Locality, horizon and age as for CPC 16997.
- CPC 16999:** Cited specimen (AMD and right ADL plates) - FERGUSON *et al.*, 1979, p. 103.
Locality, horizon and age as for CPC 16997.
- CPC 17002:** Cited specimen (PMD plate) - FERGUSON *et al.*, 1979, p. 103.
Locality, horizon and age as for CPC 16997.
- CPC 17005:** Cited specimen (pectoral fin element) - FERGUSON *et al.*, 1979, p. 103.
Locality, horizon and age as for CPC 16997.
- CPC 17006, CPC 17007:** Cited specimens (first dorsal or ventral plates of pectoral fin) - FERGUSON *et al.*, 1979, p. 103.
Locality, horizon and age as for CPC 16997.
- CPC 17008:** Figured specimen (AMD plate) - FERGUSON *et al.*, 1979, p. 103.
Locality, horizon and age as for CPC 16997.
Remarks: This specimen was refigured by Young (1988a, fig. 22E).
- CPC 17009:** Cited specimen (AMD plate) - FERGUSON *et al.*, 1979, p. 103.
Locality, horizon and age as for CPC 16997.

CPC 17014: Cited specimen (?PMD plate) - FERGUSON *et al.*, 1979, p. 103.
Locality: Nethercote Road, about 5 km west of Eden, southeastern New South Wales, Australia.
Horizon: Twofold Bay Formation, Merrimbula Group, Lachlan Fold Belt.
Age: Frasnian, Late Devonian.

***Bothriolepis* sp. YOUNG, 1985**

- CPC 24675:** Figured specimen (PVL plate) - YOUNG, 1985a, p. 244, fig. 5D.
Locality: Dare Plain, about 240 km WSW of Alice Springs, on the NE limb of the Mereenie Anticline, Northern Territory, Australia.
Horizon: Harajica Sandstone Member, Parke Siltstone, Pertnjara Group, Amadeus Basin.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 24676, CPC 24677:** Cited specimens (incomplete MxL plates) - YOUNG, 1985a, p. 244.
Locality, horizon and age as for CPC 24675.
- CPC 24678:** Figured specimen (incomplete PMD plate) - YOUNG, 1985a, p. 245, fig. 5C.
Locality: Deering Hills, about 230 km west of Alice Springs, Northern Territory, Australia.
Horizon and age as for CPC 24675.
Remarks: Incorrectly cited as CPC 27678 in the text (Young 1985a, p. 245).
- CPC 24679:** Cited specimen (incomplete ADL or MxL plate) - YOUNG, 1985a, p. 245.
Locality, horizon and age as for CPC 24678.
- CPC 24680:** Cited specimen (incomplete PVL plate) - YOUNG, 1985a, p. 245.
Locality, horizon and age as for CPC 24675.
- CPC 24681:** Cited specimen (incomplete dorsal lamina of AMD or MxL plate) - YOUNG, 1985a, p. 245.
Locality, horizon and age as for CPC 24675.
- CPC 24682:** Figured specimen (articulated skull, trunk armour and pectoral fin) - YOUNG, 1985a, p. 245, fig. 7C.
Locality: Near Stokes Pass, western MacDonnell Ranges, Northern Territory, Australia.
Horizon and age as for CPC 24675.
- CPC 24683:** Figured specimen (articulated skull, trunk armour and pectoral fin) - YOUNG, 1985a, p. 245, fig. 7D.
Locality, horizon and age as for CPC 24682.
- CPC 24684:** Figured specimen (articulated specimen in ventral view, with tail impression) - YOUNG, 1985a, p. 245, fig. 7B.
Locality, horizon and age as for CPC 24682.
- CPC 24685:** Figured specimen (AMD and MxL plates) - YOUNG, 1985a, p. 245, fig. 8A-B.
Locality, horizon and age as for CPC 24682.
- CPC 24686:** Cited specimen (dorsolateral plate) - YOUNG, 1985a, pp. 244-246.
Locality, horizon and age as for CPC 24682.
- CPC 24687:** Figured specimen (left PVL plate) - YOUNG, 1985a, p. 246, fig. 5I.
Locality, horizon and age as for CPC 24682.
- CPC 24688:** Figured specimen (right PVL plate) - YOUNG, 1985a, p. 242, fig. 5E.
Locality, horizon and age as for CPC 24682.
- CPC 24689:** Figured specimen (left AVL plate) - YOUNG, 1985a, p. 242, fig. 5H.
Locality, horizon and age as for CPC 24682.

- CPC 24690: Figured specimen (AVL plate) - YOUNG, 1985a, p. 246, fig. 7A.
Locality, horizon and age as for CPC 24688.
- CPC 24691: Figured specimen (Cv1 plate from a right pectoral fin) - YOUNG, 1985a, p. 246, fig. 8G.
Locality, horizon and age as for CPC 24688.
- CPC 24709: Figured specimen (ventrolateral plate) - YOUNG, 1985a, p. 250, fig. 5F.
Locality: Walker Creek anticline, about 200 km SW of Alice Springs, Northern Territory, Australia.
Horizon: Amulda Member, Parke Siltstone, Pertnjara Group, Amadeus Basin.
Age: Frasnian?, Late Devonian.
- CPC 24710: Cited specimen (M12 plate from pectoral fin) - YOUNG, 1985a, p. 250.
Locality, horizon and age as for CPC 24709.
- CPC 24711: Cited specimen (left PVL plate) - YOUNG, 1985a, p. 248.
Locality, horizon and age as for CPC 24709.

***Bothriolepis* sp. YOUNG, 1984**

- CPC 25205: Figured specimen (incomplete skull, cheek and jaw elements, trunk armour and pectoral fin) - YOUNG, 1984b, pp. 635-661, text-figs 1-7, 8C, pls 57-59.
Locality: 'Gogo Station', northwestern Western Australia.
Horizon: Gogo Formation, Canning Basin.
Age: Early Frasnian, Late Devonian.
Remarks: Parts of this specimen were refigured by Young (1988a, text-fig. 66B) and Young & Zhang (1992, fig. 8, 9B, 9C).

***Bothriolepis* sp. HILLS, 1959**

- CPC 26545: Figured specimen (left L plate) - HILLS, 1959, pl. 8, fig. A.
Locality: H80, southeast Dulcie Range (see Young 1988b, fig.4), Northern Territory, Australia.
Horizon: Dulcie Sandstone, Georgina Basin.
Age: Late Devonian (? Famennian).
Remarks: Hills (1959) cited this specimen as F21135.
- CPC 26546: Figured specimen (right ADL.plate) - HILLS, 1959, pl. 8, fig. B.
Locality, horizon and age as for CPC 26545.
Remarks: Hills (1959) cited this specimen as F21136.
- CPC 26547: Figured specimen (right PVL.plate) - HILLS, 1959, pl. 8, fig. C.
Locality, horizon and age as for CPC 26545.
Remarks: Hills (1959) cited this specimen as F21134.

***Monarolepis verrucosa* (YOUNG & GORTER, 1981)**

- CPC 17041: Cited specimen (Nu plate) - YOUNG & GORTER, 1981, pp. 93-100.
Locality: 18 km northwest of Wee Jasper, Burrinjuck Dam area, New South Wales, Australia.
Horizon: 1900 m above the base of the Hatchery Creek Conglomerate, Lachlan Fold Belt.
Age: Eifelian?, Middle Devonian.
Remarks: CPC 17041-17061, and 19401-19477 were first described as *Bothriolepis verrucosa* (Young & Gorter 1981). Young (1988a, p. 111) removed the species from *Bothriolepis* and made it the type species of the new genus *Monarolepis*.

- CPC 17042 to CPC 17045:** Cited specimens (Nu plates) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
Remarks: CPC 17042, 043, and 045 were used in the restoration of the Nu plate (text-fig. 3). CPC 17044 occurs with CPC 19527 (*Sherbonaspis hillsi*).
- CPC 17046:** Figured specimen (Nu plate) - YOUNG & GORTER, 1981, pp. 93-100, text-fig. 3; pl. 2, fig. 4.
Locality, horizon and age as for CPC 17041.
- CPC 17047, CPC 17048:** Cited specimens (AMD plates) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
Remarks: Both specimens were used in the restoration of the AMD plate (text-fig. 4). CPC 17048 occurs with CPC 19600 (*Gyroptychius? australis*).
- CPC 17049:** Figured specimen (AMD plate and pectoral fin element) - YOUNG & GORTER, 1981, pp. 93-100, pl. 2, fig. 7.
Locality, horizon and age as for CPC 17041.
- CPC 17050:** Cited specimen (AMD plate) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
Remarks: This specimen was used in the restoration of the AMD plate (text-fig. 4).
- CPC 17051:** Figured specimen (AMD plate) - YOUNG & GORTER, 1981, pp. 93-100, pl. 2, fig. 5.
Locality, horizon and age as for CPC 17041.
- CPC 17052:** Cited specimen (AMD plate) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
Remarks: This specimen was used in the restoration of the AMD plate (text-fig. 4).
- CPC 17053: HOLOTYPE** (AMD, ADL and semilunar plates) - YOUNG & GORTER, 1981, pp. 93-100, text-fig. 4; pl. 2, fig. 6.
Locality: 18 km northwest of Wee Jasper, Burrinjuck Dam area, New South Wales, Australia.
Horizon: 1900 m above the base of the Hatchery Creek Conglomerate, Lachlan Fold Belt.
Age: Eifelian?, Middle Devonian.
- CPC 17054:** Cited specimen (PMD plate) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
- CPC 17055 to CPC 17058:** Cited specimens (PMD plates) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
Remarks: CPC 17055 was used in the restoration of the PMD plate (text-fig. 5).
- CPC 17059:** Cited specimen (PMD plate) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
Remarks: This specimen was used in the restoration of the PMD plate (text-fig. 5).
- CPC 17060:** Figured specimen (PMD plate) - YOUNG & GORTER, 1981, pp. 93-100, pl. 2, fig. 8.
Locality, horizon and age as for CPC 17041.
- CPC 17061:** Cited specimen (PMD plate) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
- CPC 19401:** Figured specimen (PMD plate) - YOUNG & GORTER, 1981, pp. 93-100, pl. 2, fig. 10.
Locality, horizon and age as for CPC 17041.
- CPC 19402, CPC 19403:** Cited specimens (PMD plates) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.

- CPC 19404:** Figured specimen (ADL plate) - YOUNG & GORTER, 1981, pp. 93-100, pl. 3, fig. 2.
Locality, horizon and age as for CPC 17041.
- CPC 19405, CPC 19406:** Cited specimens (ADL plates) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
- CPC 19407:** Figured specimen (ADL plate) - YOUNG & GORTER, 1981, pp. 93-100, pl. 3, fig. 1.
Locality, horizon and age as for CPC 17041.
- CPC 19408 to CPC 19412:** Cited specimens (ADL plates) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
- CPC 19413:** Figured specimen (ADL plate and distal segment of pectoral fin) - YOUNG & GORTER, 1981, pp. 93-100, text-fig. 8C; pl. 2, fig. 9.
Locality, horizon and age as for CPC 17041.
- CPC 19414:** Cited specimen (ADL plate) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
- CPC 19415 to CPC 19423:** Cited specimens (MxL plates) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
Remarks: CPC 19418 and CPC 19421 are associated with pectoral fin elements. CPC 19415 occurs with CPC 19548 (see *Placodermi incertae sedis*).
- CPC 19424:** Figured specimen (MxL plate) - YOUNG & GORTER, 1981, pp. 93-100, pl. 3, fig. 4.
Locality, horizon and age as for CPC 17041.
- CPC 19425:** Figured specimen (MxL plate with Cv2 from pectoral fin) - YOUNG & GORTER, 1981, pp. 93-100, text-fig. 9C; pl. 3, fig. 3.
Locality, horizon and age as for CPC 17041.
Remarks: This specimen occurs with CPC 19511 (*Sherbonaspis hillsi*) and CPC 17031 (*Turinia cf. hutkensis*).
- CPC 19426 to CPC 19429:** Cited specimens (MxL plates) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
Remarks: CPC 19428 occurs with CPC 19608 (*Gyroptychius? australis*).
- CPC 19430 to CPC 19437:** Cited specimens (AVL plates) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
Remarks: CPC 19431, 432 were used in the restoration of the AVL plate (text-fig. 7A, B). CPC 19435 and 437 are associated with pectoral fin elements.
- CPC 19438:** Figured specimen (AVL plate) - YOUNG & GORTER, 1981, pp. 93-100, text-fig. 7C.
Locality, horizon and age as for CPC 17041.
- CPC 19439, CPC 19440:** Cited specimens (AVL plates and pectoral fin elements) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
- CPC 19441:** Figured specimen (AVL plate) - YOUNG & GORTER, 1981, pp. 93-100, text-fig. 7B.
Locality, horizon and age as for CPC 17041.
- CPC 19442:** Figured specimen (AVL plate and Cv1 from pectoral fin) - YOUNG & GORTER, 1981, pp. 93-100, pl. 4, fig. 2.
Locality, horizon and age as for CPC 17041.

- CPC 19443, CPC 19444:** Cited specimens (AVL plates) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
Remarks: CPC 19444 occurs with CPC 19605 (*Gyroptychius? australis*).
- CPC 19445:** Figured specimen (AVL plate) - YOUNG & GORTER, 1981, pp. 93-100, pl. 3, fig. 7.
Locality, horizon and age as for CPC 17041.
- CPC 19446, CPC 19447:** Cited specimens (AVL plates) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
Remarks: CPC 19446 occurs with CPC 19508 (*Sherbonaspis hillsi*) and with CPC 19605 (*Gyroptychius? australis*).
- CPC 19448:** Cited specimen (Mv plate) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
- CPC 19449:** Cited specimen (pectoral fin element) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
- CPC 19450:** Figured specimen (Mm1 from pectoral fin) - YOUNG & GORTER, 1981, pp. 93-100, text-fig. 10D; pl. 4, fig. 4.
Locality, horizon and age as for CPC 17041.
- CPC 19451:** Cited specimen (pectoral fin element) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
- CPC 19452:** Figured specimen (Cv2 from pectoral fin) - YOUNG & GORTER, 1981, pp. 93-100, text-fig. 9A; pl. 4, fig. 3.
Locality, horizon and age as for CPC 17041.
- CPC 19453:** Figured specimen (pectoral fin, incomplete proximal segment) - YOUNG & GORTER, 1981, pp. 93-100, text-fig. 10A; pl. 3, fig. 10.
Locality, horizon and age as for CPC 17041.
- CPC 19454:** Figured specimen (pectoral fin, incomplete proximal segment) - YOUNG & GORTER, 1981, pp. 93-100, pl. 3, fig. 8.
Locality, horizon and age as for CPC 17041.
- CPC 19455:** Figured specimen (Cd2 from pectoral fin) - YOUNG & GORTER, 1981, pp. 93-100, text-fig. 7E.
Locality, horizon and age as for CPC 17041.
- CPC 19456:** Figured specimen (pectoral fin element) - YOUNG & GORTER, 1981, pp. 93-100, pl. 3, fig. 6.
Locality, horizon and age as for CPC 17041.
- CPC 19457:** Figured specimen (pectoral fin element) - YOUNG & GORTER, 1981, pp. 93-100, text-fig. 9D.
Locality, horizon and age as for CPC 17041.
- CPC 19458:** Cited specimen (pectoral fin element) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
- CPC 19459:** Figured specimen (complete plate from distal segment of pectoral fin) - YOUNG & GORTER, 1981, pp. 93-100, pl. 3, fig. 5.
Locality, horizon and age as for CPC 17041.
- CPC 19460:** Cited specimen (pectoral fin element) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.

- CPC 19461:** Figured specimen (Cd1 from pectoral fin) - YOUNG & GORTER, 1981, pp. 93-100, text-fig. 7D.
Locality, horizon and age as for CPC 17041.
- CPC 19462:** Figured specimen (Cd2 from pectoral fin) - YOUNG & GORTER, 1981, pp. 93-100, text-fig. 7F; pl. 4 fig. 5.
Locality, horizon and age as for CPC 17041.
Remarks: This specimen occurs with CPC 17035 (*Turinia cf. hutkensis*).
- CPC 19463 to CPC 19466:** Cited specimens (pectoral fin elements) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
Remarks: CPC 19466 occurs with CPC 19566 (*Denisonosteus weejasperensis*).
- CPC 19467:** Figured specimen (Cv2 from pectoral fin) - YOUNG & GORTER, 1981, pp. 93-100, text-fig. 9B.
Locality, horizon and age as for CPC 17041.
Remarks: This specimen occurs with CPC 19524 (*Sherbonaspis hillsi*).
- CPC 19468:** Cited specimen (pectoral fin element) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
- CPC 19469:** Figured specimen (Cd1 from pectoral fin) - YOUNG & GORTER, 1981, pp. 93-100, pl. 4, fig. 1.
Locality, horizon and age as for CPC 17041.
- CPC 19470, CPC 19471:** Cited specimens (pectoral fin elements) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
Remarks: CPC 19470 occurs with CPC 19494 (*Sherbonaspis hillsi*).
- CPC 19472 to CPC 19476:** Cited specimens (PVL plates) - YOUNG & GORTER, 1981, pp. 93-100.
Locality, horizon and age as for CPC 17041.
Remarks: CPC 19476 occurs with CPC 19650 (ischnacanthid gen et sp. indet.).
- CPC 19477:** Figured specimen (PVL plate) - YOUNG & GORTER, 1981, pp. 93-100, text-figs 8D-E; pl. 3, fig. 9.
Locality, horizon and age as for CPC 17041.

Suborder ASTEROLEPIDOIDEI

Family PAMBULASPIDIDAE

***Pambulaspis antarctica* YOUNG, 1988**

- CPC 26402: HOLOTYPE** (Nu plate) - YOUNG, 1988a, pp. 107-109, text-fig. 64A-B; pl. 15, fig. 9.
Locality: Locality 24 of Young (1988a, fig. 3), Mount Ritchie, southern Warren Range, southern Victoria Land, Antarctica.
Horizon: Unit 62, Section A4 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 26403:** Figured specimen (AMD? plate) - YOUNG, 1988a, pp. 107-109, fig. 64C.
Locality, horizon and age as for CPC 26402.

***Pambulaspis cobandrahensis* YOUNG, 1983**

- CPC 22559: HOLOTYPE** (incomplete skull roof in part and counterpart) - YOUNG, 1983, pp. 73-81, fig. 3.
Locality: Pambula River, 5 km west of Pambula, on the south coast of New South Wales, Australia.
Horizon: Boyd Volcanic Complex, Lachlan Fold Belt.

Age: Givetian-Frasnian, Middle-Late Devonian.
Remarks: This is the type species of *Pambulaspis*.

- CPC 22560:** Figured specimen (AMD plate) - YOUNG, 1983, pp. 73-81, fig. 4E-F.
Locality, horizon and age as for CPC 22559.
- CPC 22561:** Figured specimen (AMD plate) - YOUNG, 1983, pp. 73-81, fig. 4B-C.
Locality, horizon and age as for CPC 22559.
- CPC 22562:** Figured specimen (AMD plate) - YOUNG, 1983, pp. 73-81, fig. 4A.
Locality, horizon and age as for CPC 22559.
- CPC 22563:** Figured specimen (associated PDL, PL, and PVL plates) - YOUNG, 1983, pp. 73-81, figs 6A-B, 7A.
Locality, horizon and age as for CPC 22559.
- CPC 22564:** Figured specimen (PL plate) - YOUNG, 1983, pp. 73-81, figs 6C-D, 7B-C.
Locality, horizon and age as for CPC 22559.
- CPC 22565:** Figured specimen (Ml plate from pectoral fin) - YOUNG, 1983, pp. 73-81, fig. 4D.
Locality, horizon and age as for CPC 22559.
- CPC 22566:** Cited specimen (incomplete PVL and possible MV plate) - YOUNG, 1983, pp. 73-81.
Locality, horizon and age as for CPC 22559.

Family PTERICHTHYODIDAE

***Sherbonaspis hillsi* YOUNG & GORTER, 1981**

- CPC 19478: HOLOTYPE** (associated AVL and MxL plates, and a distal pectoral fin segment) - YOUNG & GORTER, 1981, pp. 102-109, text-figs 17A, 20A, pl. 5 figs 1, 5.
Locality: 18 km northwest of Wee Jasper, Burrinjuck Dam area, New South Wales, Australia.
Horizon: 1900 m above the base of the Hatchery Creek Conglomerate, Lachlan Fold Belt.
Age: Eifelian?, Middle Devonian.
Remarks: This is the type species of *Sherbonaspis*.
- CPC 19479:** Figured specimen (Nu plate) - YOUNG & GORTER, 1981, pp. 102-109, pl. 4, fig. 6.
Locality, horizon and age as for CPC 19478.
- CPC 19480, CPC 19481:** Cited specimens (Nu plates) - YOUNG & GORTER, 1981, pp. 102-109, text-fig. 11.
Locality, horizon and age as for CPC 19478.
Remarks: Both specimens were used for the restoration of the Nu plate (text-fig. 11).
- CPC 19481:** Figured specimen (Nu plate) - YOUNG & GORTER, 1981, pp. 102-109, text-fig. 11.
Locality, horizon and age as for CPC 19478.
- CPC 19482:** Figured specimen (PrM plate) - YOUNG & GORTER, 1981, pp. 102-109, pl. 4, fig. 7.
Locality, horizon and age as for CPC 19478.
- CPC 19483:** Figured specimen (L plate) - YOUNG & GORTER, 1981, pp. 102-109, text-fig. 11.
Locality, horizon and age as for CPC 19478.
- CPC 19484:** Figured specimen (SM plate) - YOUNG & GORTER, 1981, pp. 102-109, text-fig. 14.
Locality, horizon and age as for CPC 19478.

- CPC 19485: Figured specimen (SM plate) - YOUNG & GORTER, 1981, pp. 102-109, pl. 4, fig 8.
Locality, horizon and age as for CPC 19478.
- CPC 19486 to CPC 19488: Cited specimens (SM plates) - YOUNG & GORTER, 1981, pp. 102-109.
Locality, horizon and age as for CPC 19478.
- CPC 19489: Figured specimen (AMD plate) - YOUNG & GORTER, 1981, pp. 102-109, text-fig. 15A; pl. 4, fig. 9.
Locality, horizon and age as for CPC 19478.
- CPC 19490: Cited specimen (AMD plate) - YOUNG & GORTER, 1981, pp. 102-109.
Locality, horizon and age as for CPC 19478.
- CPC 19491: Cited specimen (PMD plate) - YOUNG & GORTER, 1981, pp. 102-109.
Locality, horizon and age as for CPC 19478.
- CPC 19492: Figured specimen (AMD and Cd2 plates) - YOUNG & GORTER, 1981, pp. 102-109, pl. 5, fig. 4.
Locality, horizon and age as for CPC 19478.
- CPC 19493, CPC 19494: Cited specimens (AMD plates) - YOUNG & GORTER, 1981, pp. 102-109.
Locality, horizon and age as for CPC 19478.
Remarks: CPC 19494 occurs with CPC 19470 (*Monarolepis verrucosa*).
- CPC 19495: Cited specimen (PMD plate) - YOUNG & GORTER, 1981, pp. 102-109.
Locality, horizon and age as for CPC 19478.
- CPC 19496: Figured specimen (PMD plate) - YOUNG & GORTER, 1981, pp. 102-109, text-fig. 15C; pl. 4, fig. 10.
Locality, horizon and age as for CPC 19478.
- CPC 19497: Cited specimen (PMD plate) - YOUNG & GORTER, 1981, pp. 102-109.
Locality, horizon and age as for CPC 19478.
- CPC 19498: Figured specimen (PMD plate) - YOUNG & GORTER, 1981, pp. 102-109, text-fig. 15B.
Locality, horizon and age as for CPC 19478.
- CPC 19499: Figured specimen (ADL plate) - YOUNG & GORTER, 1981, pp. 102-109, pl. 4, fig. 11.
Locality, horizon and age as for CPC 19478.
- CPC 19500: Cited specimen (ADL plate) - YOUNG & GORTER, 1981, pp. 102-109.
Locality, horizon and age as for CPC 19478.
- CPC 19501: Figured specimen (ADL and MxL plates) - YOUNG & GORTER, 1981, pp. 102-109, pl. 4, fig. 12.
Locality, horizon and age as for CPC 19478.
- CPC 19502, CPC 19503: Cited specimens (ADL plates) - YOUNG & GORTER, 1981, pp. 102-109.
Locality, horizon and age as for CPC 19478.
- CPC 19504: Figured specimen (ADL plate) - YOUNG & GORTER, 1981, pp. 102-109, text-fig. 16B.
Locality, horizon and age as for CPC 19478.
- CPC 19505: Figured specimen (ADL plate) - YOUNG & GORTER, 1981, pp. 102-109, text-fig. 16A.
Locality, horizon and age as for CPC 19478.
Remarks: CPC 19505 occurs with CPC 17036 (*Turinia* cf. *hutkensis*).
- CPC 19506 to CPC 19508: Cited specimens (ADL plates) - YOUNG & GORTER, 1981, pp. 102-109.
Locality, horizon and age as for CPC 19478.
Remarks: CPC 19508 occurs with CPC 19446 (*Monarolepis verrucosa*).

- CPC 19509:** Figured specimen (MxL plate) - YOUNG & GORTER, 1981, pp. 102-109, text-fig. 17B; pl. 5, fig. 2.
Locality, horizon and age as for CPC 19478.
- CPC 19510 to CPC 19514:** Cited specimens (MxL plates) - YOUNG & GORTER, 1981, pp. 102-109.
Locality, horizon and age as for CPC 19478.
Remarks: CPC 19514 was used in the restoration of the MxL plate (text-fig. 17A). CPC 19511 occurs with CPC 19425, and CPC 19512 with CPC 17050 (both *Monarolepis verrucosa*).
- CPC 19515:** Figured specimen (MxL and Cd1 plate) - YOUNG & GORTER, 1981, pp. 102-109, pl. 4, fig. 13.
Locality, horizon and age as for CPC 19478.
- CPC 19516:** Cited specimen (MxL plate) - YOUNG & GORTER, 1981, pp. 102-109.
Locality, horizon and age as for CPC 19478.
- CPC 19517:** Cited specimen (AVL plate) - YOUNG & GORTER, 1981, pp. 102-109.
Locality, horizon and age as for CPC 19478.
- CPC 19518:** Figured specimen (AVL plate) - YOUNG & GORTER, 1981, pp. 102-109, text-fig. 18A-B.
Locality, horizon and age as for CPC 19478.
- CPC 19519:** Figured specimen (AVL and pectoral fin plates) - YOUNG & GORTER, 1981, pp. 102-109, pl. 5, fig. 6.
Locality, horizon and age as for CPC 19478.
- CPC 19520:** Figured specimen (AVL plate) - YOUNG & GORTER, 1981, pp. 102-109, text-fig. 18C.
Locality, horizon and age as for CPC 19478.
- CPC 19521:** Cited specimen (AVL plate) - YOUNG & GORTER, 1981, pp. 102-109.
Locality, horizon and age as for CPC 19478.
- CPC 19522:** Figured specimen (PVL plate) - YOUNG & GORTER, 1981, pp. 102-109, pl. 5, figs 3, 7.
Locality, horizon and age as for CPC 19478.
- CPC 19523:** Cited specimen (PVL plate) - YOUNG & GORTER, 1981, pp. 102-109.
Locality, horizon and age as for CPC 19478.
Remarks: This specimen occurs with CPC 19540.
- CPC 19524:** Figured specimen (PVL plate) - YOUNG & GORTER, 1981, pp. 102-109, text-fig. 15D.
Locality, horizon and age as for CPC 19478.
Remarks: This specimen occurs with CPC 19467 (*Monarolepis verrucosa*).
- CPC 19525:** Figured specimen (T plate from pectoral fin) - YOUNG & GORTER, 1981, pp. 102-109, text-fig. 20C.
Locality, horizon and age as for CPC 19478.
- CPC 19526:** Figured specimen (Cd1 plate from pectoral fin) - YOUNG & GORTER, 1981, pp. 102-109, text-fig. 18D.
Locality, horizon and age as for CPC 19478.
- CPC 19527:** Figured specimen (Cv1, Cv2 plates from pectoral fin) - YOUNG & GORTER, 1981, pp. 102-109, text-fig. 19A, D.
Locality, horizon and age as for CPC 19478.
Remarks: This specimen occurs with CPC 17044 (*Monarolepis verrucosa*).
- CPC 19528:** Figured specimen (T plate from pectoral fin) - YOUNG & GORTER, 1981, pp. 102-109, text-fig. 20D.
Locality, horizon and age as for CPC 19478.

- CPC 19529:** Figured specimen (Cd1 plate from pectoral fin) - YOUNG & GORTER, 1981, pp. 102-109, text-fig. 18E.
Locality, horizon and age as for CPC 19478.
- CPC 19530:** Cited specimen (pectoral fin element) - YOUNG & GORTER, 1981, pp. 102-109.
Locality, horizon and age as for CPC 19478.
- CPC 19531:** Figured specimen (Cd2 plate from pectoral fin) - YOUNG & GORTER, 1981, pp. 102-109, text-fig. 19B.
Locality, horizon and age as for CPC 19478.
- CPC 19532:** Figured specimen (Cd2 plate from pectoral fin) - YOUNG & GORTER, 1981, pp. 102-109, text-fig. 19C.
Locality, horizon and age as for CPC 19478.
- CPC 19533 to CPC 19536:** Cited specimens (pectoral fin elements) - YOUNG & GORTER, 1981, pp. 102-109.
Locality, horizon and age as for CPC 19478.
Remarks: CPC 19534 occurs with CPC 17040 (*Turinia* cf. *hulkensis*).

ASTEROLEPIDOIDEI *incertae sedis*

asterolepidoid gen. et sp. indet. YOUNG, 1987

- CPC 13855:** Figured specimen (incomplete Nu plate.) - YOUNG, 1987, pp. 185-188, text-fig. 3; pl. 1, fig. 5.
Locality: Falconer Hills, about 9 km NNW of 'Billiluna' homestead, Western Australia.
Horizon: Knobby Sandstone, Canning Basin.
Age: Famennian?, Late Devonian.
- CPC 13856:** Figured specimen (incomplete AMD plate) - YOUNG, 1987, pp. 185-188, text-fig. 4A; pl. 1, fig. 6.
Locality: Knobby Hills, about 25 km NNE of 'Billiluna' homestead, Western Australia.
Horizon and age as for CPC 13855.
- CPC 13857:** Figured specimen (incomplete AMD plate) - YOUNG, 1987, pp. 185-188, text-fig. 4B; pl. 1, fig. 7.
Locality, horizon and age as for CPC 13855.

asterolepidoid gen. et sp. indet. YOUNG, 1984

- CPC 22568:** Figured specimen (pineal plate) - YOUNG, 1984a, pp. 67-74, fig. 2.
Locality: Western side of the Toko Syncline, southern Toomba Range, western Queensland, Australia.
Horizon: Cravens Peak Beds, Georgina Basin.
Age: Emsian-Eifelian, Early-Middle Devonian.
- CPC 22569:** Figured specimen (left AVL plate) - YOUNG, 1984a, pp. 67-74, fig. 3.
Locality, horizon and age as for CPC 22568.
- CPC 22570:** Cited specimen (right PVL plate) - YOUNG, 1984a, pp. 67-74.
Locality, horizon and age as for CPC 22568.
- CPC 22571:** Figured specimen (incomplete proximal segment of pectoral fin) - YOUNG, 1984a, pp. 67-74, figs 4, 5C-D.
Locality, horizon and age as for CPC 22568.

- CPC 22572:** Figured specimen (Cd1 plate) - YOUNG, 1984a, pp. 67-74, figs 5B, 6A.
Locality, horizon and age as for CPC 22568.
- CPC 22573:** Figured specimen (Cd1 plate) - YOUNG, 1984a, pp. 67-74, fig. 5A.
Locality, horizon and age as for CPC 22568.
- CPC 22574, CPC 22575:** Cited specimens (Cd1 plates) - YOUNG, 1984a, pp. 67-74.
Locality, horizon and age as for CPC 22568.
- CPC 22576:** Cited specimen (Cv1 plate) - YOUNG, 1984a, pp. 67-74.
Locality, horizon and age as for CPC 22568.
- CPC 22577:** Figured specimen (Cv2 plate) - YOUNG, 1984a, pp. 67-74, fig. 6B.
Locality, horizon and age as for CPC 22568.
- CPC 22578:** Figured specimen (Ml3 plate) - YOUNG, 1984a, pp. 67-74, fig. 7A.
Locality, horizon and age as for CPC 22568.
- CPC 22579:** Cited specimen (Ml3 plate) - YOUNG, 1984a, pp. 67-74.
Locality, horizon and age as for CPC 22568.
- CPC 22580:** Figured specimen (Ml4 plate) - YOUNG, 1984a, pp. 67-74, fig. 7B.
Locality, horizon and age as for CPC 22568.
- CPC 22581:** Figured specimen (isolated scales) - YOUNG, 1984a, pp. 67-74, fig. 8A-C.
Locality, horizon and age as for CPC 22568.

ANTIARCHI *incertae sedis*

- CPC 6924:** Figured specimen (fragment of placoderm armour - probably trunk armour) - GILBERT-TOMLINSON, 1968, pp. 221-222, pl. 15, fig. 2.
Locality: Locality 3 of Young (1985a), Dare Plain, WSW of Alice Springs, Northern Territory, Australia.
Horizon: Harajica Sandstone Member, Parke Siltstone, Pertnjara Group, Amadeus Basin.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 13937:** Figured specimen (internal mould, incomplete MD plate.) - YOUNG, 1987, pp. 188-190, fig. 5.
Locality: Locality B138 of Young (1987, fig. 1), Knobby Hills, NNW of 'Billiluna' homestead, Western Australia.
Horizon: Knobby Sandstone, Canning Basin.
Age: Famennian?, Late Devonian.
- CPC 13938:** Figured specimen (external mould of plate fragment.) - YOUNG, 1987, pp. 188-190, pl. 2 fig. 1.
Locality: Locality B104 of Young (1987, fig. 1), Knobby Hills, NNW of 'Billiluna' homestead, Western Australia.
Horizon and age as for CPC 13937.
- CPC 13939:** Figured specimen (external mould of plate fragment.) - YOUNG, 1987, pp. 188-190, pl. 1, fig. 4.
Locality: Locality B130 of Young (1987, fig. 1), Knobby Hills, NNW of 'Billiluna' homestead, Western Australia.
Horizon and age as for CPC 13937.
- CPC 13940:** Figured specimen (external mould of plate fragment) - YOUNG, 1987, pp. 188-190, pl. 1, fig. 8.
Locality, horizon and age as for CPC 13937.

- CPC 13941:** Figured specimen (external mould of plate fragment) - YOUNG, 1987, pp. 188-190, pl. 2, fig. 10.
Locality, horizon and age as for CPC 13939.
- CPC 13942:** Figured specimen (external mould of plate fragment.) - YOUNG, 1987, pp. 188-190, pl. 2, fig. 9.
Locality, horizon and age as for CPC 13939.
- CPC 13943:** Figured specimen (external mould of incomplete plate) - YOUNG, 1987, pp. 188-190, pl. 2, fig. 2.
Locality: Locality B133 of Young (1987, fig. 1), Knobby Hills, NNW of 'Billiluna' homestead, Western Australia.
Horizon and age as for CPC 13939.
- CPC 17012:** Cited specimen (indeterminable fragment, ? scale) - FERGUSSON *et al.*, 1979, p. 103.
Locality: Locality 3, Facies 3, Lochiel-Nethercote district, Pambula, New South Wales, Australia.
Horizon: Facies 3, Boyd Volcanic Complex, Lachlan Fold Belt.
Age: Givetian-Frasnian, Middle-Late Devonian.

PLACODERMI *incertae sedis*

- CPC 19548:** Figured specimen (ADL plate) - YOUNG & GORTER, 1981, p. 114, pl. 7, fig. 9.
Locality: 18 km northwest of Wee Jasper, Burrinjuck Dam area, New South Wales, Australia.
Horizon: 1900 m above the base of the Hatchery Creek Conglomerate, Lachlan Fold Belt.
Age: Eifelian?, Middle Devonian.
- CPC 19549:** Figured specimen (ADL plate) - YOUNG & GORTER, 1981, p. 114, pl. 7, fig. 4.
Locality, horizon and age as for CPC 19548.
- CPC 19550, CPC 19585:** Cited specimens (ADL plates) - YOUNG & GORTER, 1981, p. 114.
Locality, horizon and age as for CPC 19548.
- CPC 24670:** Figured specimen (spinal? plate) - YOUNG, 1985a, p. 242, fig. 5B.
Locality: Milton's locality, eastern rim of Gosses Bluff, Northern Territory, Australia.
Horizon: Basal Parke Siltstone, Pertnajara Group, Amadeus Basin.
Age: Emsian-Eifelian, Early-Middle Devonian.
- CPC 24674:** Cited specimen (tuberculate plate) - YOUNG, 1985a, p. 244.
Locality: Dare Plain, about 240 km WSW of Alice Springs, Northern Territory, Australia.
Horizon and age as for CPC 24670.

Class CHONDRICHTHYES **Subclass ELASMOBRANCHII** **Order XENACANTHIDA** **Family ANTARCTILAMNIDAE**

***Antarctilamna prisca* YOUNG, 1982**

- CPC 16994:** Figured specimen (endocranial cast) - YOUNG, 1982, text-fig. 6B; pl. 88, fig. 5.
Locality: Bunga Beach, on the north side of Bunga Head, northeast of Bega, New South Wales, Australia.
Horizon: Bunga Beds, Boyd Volcanic Complex, Lachlan Fold Belt.
Age: Givetian-Frasnian, Middle-Late Devonian.
Remarks: This specimen was first mentioned as a small placoderm by Fergusson *et al.* (1979, p. 102). It was later described and figured by Young (1982) and referred to *Antarctilamna prisca*. *Antarctilamna* is the type genus of the family.

- CPC 16995:** Figured specimen (isolated spine) - YOUNG, 1982, pp. 822-833, text-fig. 5.
Locality, horizon and age as for CPC 16994.
Remarks: This specimen was first described as an acanthodian by Fergusson *et al.* (1979). It was later described and figured by Young (1982, text-fig. 5) and referred to *Antarctilamna prisca*.
- CPC 21187: HOLOTYPE** (partly articulated specimen including teeth, scales, and one fin-spine) - YOUNG, 1982, pp. 822-833, figs 2, 3A-D, 4E-F; pl. 87, figs 1, 6-10; pl. 89, figs 6-7.
Locality: Locality 9 of Young (1988a, fig. 3), Lashly Mountains, southern Victoria Land, Antarctica.
Horizon: Unit 8, Section L1 of Askin *et al.* (1971), 15m above base of Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
Remarks: This is the type species of *Antarctilamna*. It was also cited by Grande & Eastman (1986, p. 121), and figured by Young (1989b, fig. 4E; 1991b, figs 15.6A-B).
- CPC 21188, CPC 21189:** Cited specimens (isolated scales) - YOUNG, 1982, pp. 822-833.
Locality: Locality 12 of Young (1988a, fig. 3), Portal Mountain, southern Victoria Land, Antarctica.
Horizon: Unit 4, Section P1 of Askin *et al.* (1971), lower Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
Remarks: These specimens were also cited by Grande & Eastman (1986, p. 121).
- CPC 21190:** Figured specimen (isolated scale) - YOUNG, 1982, text-fig. 4D.
Locality: as for CPC 21188.
Horizon: Unit 14, Section P1 of Askin *et al.* (1971), lower Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
Remarks: This specimen was also cited by Grande & Eastman (1986, p. 121).
- CPC 21191:** Cited specimen (isolated tooth) - YOUNG, 1982, pp. 822-833.
Locality, horizon, age, and remarks as for CPC 21188.
- CPC 21192:** Cited specimen (isolated spine) - YOUNG, 1982, pp. 822-833.
Locality: Locality 11 of Young (1988a, fig. 3), Portal Mountain, southern Victoria Land, Antarctica.
Horizon: Unit 26, Section 10 of Barrett & Webb (1973), 70 m above lowest exposure of Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
Remarks: This specimen was also cited by Grande & Eastman (1986, p. 121).
- CPC 21193 to CPC 21197:** Cited specimens (isolated teeth) - YOUNG, 1982, pp. 822-833.
Locality: Bunga Beach, on the north side of Bunga Head, northeast of Bega, New South Wales, Australia.
Horizon: Bunga Beds, Boyd Volcanic Complex, Lachlan Fold Belt.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 21198:** Figured specimen (isolated tooth) - YOUNG, 1982, pp. 822-833, text-fig. 4A-C; pl. 89, fig 8.
Locality, horizon and age as for CPC 21193.
- CPC 21199 to CPC 21204:** Cited specimens (isolated teeth) - YOUNG, 1982, pp. 822-833.
Locality, horizon and age as for CPC 21193.
- CPC 21205:** Figured specimen (isolated spine) - YOUNG, 1982, pp. 822-833, pl. 87, fig. 3.
Locality, horizon and age as for CPC 21193.
- CPC 21206:** Figured specimen (isolated spine) - YOUNG, 1982, pp. 822-833, pl. 87, fig. 4.
Locality, horizon and age as for CPC 21193.
- CPC 21207:** Figured specimen (section through isolated spine) - YOUNG, 1982, pp. 822-833, text-fig. 5D.
Locality, horizon and age as for CPC 21193.

- CPC 21208, CPC 21209:** Cited specimens (isolated teeth) - YOUNG, 1982, pp. 822-833.
Locality, horizon and age as for CPC 21193.
- CPC 21210:** Cited specimen (endocranial cast) - YOUNG, 1982, pp. 822-833.
Locality, horizon and age as for CPC 21193.
- CPC 21211:** Figured specimen (endocranial cast) - YOUNG, 1982, pp. 822-833, pl. 89, fig. 5.
Locality, horizon and age as for CPC 21193.
- CPC 21212:** Figured specimen (incomplete left palatoquadrate) - YOUNG, 1982, pp. 822-833, text-figs 8A-B, D; pl. 88, figs 2-3.
Locality, horizon and age as for CPC 21193.
- CPC 21213:** Figured specimen (left palatoquadrate?) - YOUNG, 1982, pp. 822-833, text-fig. 8C.
Locality, horizon and age as for CPC 21193.

XENACANTHIDA *incertae sedis*

***Xenacanthus* sp. YOUNG, 1982**

See **xenacanthid** *indet.* below

This form should not be placed in *Xenacanthus*, and was listed as 'xenacanthid gen. nov.' by Young (1993, p. 248). It may be closely related to the genus *Omalodus* in the family Phoebeodontidae (Ginter & Ivanov 1992), but for the present is listed here with uncertain position in the order Xenacanthida.

xenacanthid *indet.*

- CPC 21214:** Cited specimen (isolated tooth) - YOUNG, 1982, pp. 833-835.
Locality: Locality 11 of Young (1988a, fig.3), Portal Mountain, southern Victoria Land, Antarctica.
Horizon: Unit 26, Section 10 of Barrett & Webb (1973), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
Remarks: This specimen was also cited by Grande & Eastman (1986, p. 121).
- CPC 21215:** Figured specimen (isolated tooth) - YOUNG, 1982, pp. 833-835, text-fig. 3E.
Locality, horizon, age, and remarks: as for CPC 21214.
- CPC 21216, CPC 21217:** Cited specimens (isolated teeth) - YOUNG, 1982, pp. 833-835.
Locality: Locality 11 of Young (1988a, fig.3), Portal Mountain, southern Victoria Land, Antarctica.
Horizon: Unit 17, Section 10 of Barrett & Webb (1973), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
Remarks: These specimens were also cited by Grande & Eastman (1986, p. 121).
- CPC 21218:** Figured specimen (isolated tooth) - YOUNG, 1982, pp. 833-835, pl. 89, fig. 4.
Locality, horizon and age as for CPC 21216.
Remarks: The listing provided by Young (1982, p. 834) under 'material' for isolated teeth from Portal Mountain (CPC 21214-21217) is an error (should read CPC 21214-21227).
- CPC 21219:** Figured specimen (isolated tooth) - YOUNG, 1982, pp. 833-835, pl. 89, figs 1-3.
Locality, horizon, age and remarks as for CPC 21218.
- CPC 21220 to CPC 21223:** Cited specimens (isolated teeth) - YOUNG, 1982, pp. 833-835.
Locality, horizon, age and remarks as for CPC 21218.

CPC 21224: Figured specimen (isolated tooth) - YOUNG, 1982, pp. 833-835, text-fig. 3F.

Locality, horizon, age and remarks as for CPC 21218.

CPC 21225 to CPC 21227: Cited specimens (isolated teeth) - YOUNG, 1982, pp. 833-835.

Locality, horizon, age and remarks as for CPC 21218.

CPC 21228: Figured specimen (isolated tooth) - YOUNG, 1982, pp. 833-835, text-fig. 3G.

Locality: Locality 23 of Young (1988a, fig. 3), west of Mount Ritchie, southern Victoria Land, Antarctica.

Horizon: Upper Aztec Siltstone, Taylor Group, Beacon Supergroup.

Age: Givetian-Frasnian, Middle-Late Devonian.

Remarks: This specimen was also cited by Grande & Eastman (1986, p. 121).

CPC 31614: Figured specimen (isolated tooth) - VICKERS-RICH & RICH, 1993, p. 93, pl. 82.

Locality, horizon, and age as for CPC 21216.

Remarks: This specimen occurs with CPC 26409 (*Groenlandaspis* sp.).

Order SYMMORIIDA

Family STETHACANTHIDAE

***Stethacanthus thomasi* (TURNER, 1982)**

CPC 492: Figured specimen (tooth) - THOMAS, 1957, pp. 160-161, fig. 1.

Locality: Near Twelve Mile Bore, 'Brooking Springs' station, NW of Fitzroy Crossing, Western Australia.

Horizon: Laurel Beds, Fitzroy Basin.

Age: Early Carboniferous.

Remarks: This specimen was refigured and described by Thomas (1959, pp. 21-37, fig. 4A). Turner (1982, pp. 126-128) included this specimen in the new species *Cladodus thomasi*, which was subsequently referred to the genus *Stethacanthus* by Turner (1990, p. 70).

Order HEXANCHIFORMES?

Family MCMURDODONTIDAE

***Mcmurdodus? cf. featherensis* WHITE, 1968**

CPC 21229: Figured specimen (isolated tooth) - YOUNG, 1982, p. 835, text-fig. 3H; pl. 88, fig. 4.

Location: Locality 24 of Young (1988a, fig. 3), Mount Ritchie, southern Victoria Land, Antarctica.

Horizon: Units 61-62, Section A4 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.

Age: Givetian-Frasnian, Middle-Late Devonian.

Remarks: Turner & Young (1987, p. 236) suggested that the assignment of this specimen to *Mcmurdodus* was probably incorrect.

***Mcmurdodus whitei* TURNER & YOUNG, 1987**

CPC 25765: HOLOTYPE (almost complete tooth) - TURNER & YOUNG, 1987, pp. 235-238, fig. 2.

Locality: Western side of the Toko Syncline, southern Toomba Range, western Queensland, Australia.

Horizon: Cravens Peak Beds, Georgina Basin.

Age: Emsian-Eifelian, Early-Middle Devonian.

Remarks: *Mcmurdodus* is the type genus of the family.

CPC 25766: Paratype (almost complete tooth) - TURNER & YOUNG, 1987, pp. 235-238, fig. 3.

Locality, horizon and age as for CPC 25765.

CPC 25767: Figured specimen (half crown of tooth) - TURNER & YOUNG, 1987, pp. 235-238, fig. 5.

Locality, horizon and age as for CPC 25765.

Order SQUALIFORMES

Family ECHINORHINIDAE

Echinorhinus eyrensis PLEDGE, 1992

CPC 30663: HOLOTYPE (isolated tooth) - PLEDGE, 1992, pp. 16-18, fig. 3.

Locality: Dredge site 66/DR3C, core depth 3285-3506 m in 'Canyon B', east end of the Eyre Terrace, south of Eucla, Great Australian Bight, Southern Ocean.

Age: Maastrichtian, Late Cretaceous (Shafik 1990).

Order LAMNIFORMES

Family LAMNIDAE

cf. *Isurus desori* (AGASSIZ, 1843)

CPC 30662: Figured specimen (isolated tooth) - PLEDGE, 1992, pp. 16-18, fig. 2.

Locality: Dredge site 66/DR11A, core depth 2118-3622 m in 'Canyon H', east end of the Cedunna Terrace, south of the Eyre Peninsula, Great Australian Bight, Southern Ocean.

Age: Oligocene (Davies *et al.* 1989).

ELASMOBRANCHII *incertae sedis*

CPC 31615: Figured specimen (denticle or tooth) - RADKE, 1991, pp. 1-4, pl. 4, fig. F-G.

Locality: Hatfield-1 (BMR Pooncarie No. 9; NSW Water Resources Bore No. 36675), near Balranald, New South Wales, Australia.

Horizon: Core depth 146.2 m, Lithofacies D, Balranald Trough, Renmark Group, Murray Basin.

Age: Late Eocene - Middle Miocene.

Subclass HOLOCEPHALI

Order BRADYODONTIDA

bradyodontid indet.

CPC 489: Figured specimen (tooth) - THOMAS, 1959, pp. 21-37, fig. 4B.

Locality: Near Twelve Mile Bore, 'Brooking Springs' station, NW of Fitzroy Crossing, Western Australia.

Horizon: Laurel Beds, Fitzroy Basin.

Age: Early Carboniferous.

Remarks: CPC 489-491 were listed as 'brachydont teeth' (sic) by Crespin (1974, p. 144).

CPC 490: Figured specimen (tooth) - THOMAS, 1959, pp. 21-37, fig. 4C.
Locality, horizon, age and remarks as for CPC 489.

CPC 491: Figured specimen (tooth) - THOMAS, 1959, pp. 21-37, fig. 4D.
Locality, horizon, age and remarks as for CPC 489.

Class ACANTHODII

Order ISCHNACANTHIDA

Family ISCHNACANTHIDAE

***Gomphonchus?* sp. indet.**

CPC 20087: Figured specimen (3 scales) - TURNER, JONES & DRAPER, 1981, p. 60, figs 14A-C.
Locality: GEO 65/28, 42 km south of shot point localities on the western side of the Toko Syncline, Toomba Range, Queensland, Australia.
Horizon: Cravens Peak Beds, Georgina Basin.
Age: Emsian-Eifelian, Early-Middle Devonian.

***Taemasacanthus erroli* LONG, 1986**

CPC 25336: Cited specimen (gnathal bone) - LONG, 1986, p. 326.
Locality: Burrinjuck Dam area, probably Goodradigbee Inlet, Wee Jasper, New South Wales, Australia.
Horizon: Taemas Formation, Murrumbidgee Group, Lachlan Fold Belt.
Age: Emsian, Early Devonian.

ischnacanthid? gen. et sp. indet.

CPC 19649: Figured specimen (incomplete fin spine) - YOUNG & GORTER, 1981, pp. 122-123, pl. 7, fig. 8.
Locality: 18 km northwest of Wee Jasper, Burrinjuck Dam area, New South Wales, Australia.
Horizon: 1900 m above the base of the Hatchery Creek Conglomerate, Lachlan Fold Belt.
Age: Eifelian?, Middle Devonian.
Remarks: CPC 19649 occurs with CPC 19627 (*Gyroptychius? australis*).

CPC 19650: Figured specimen (incomplete fin spine) - YOUNG & GORTER, 1981, pp. 122-123, pl. 9, fig. 9.
Locality, horizon and age as for CPC 19649.
Remarks: CPC 19650 occurs with CPC 19476 (*Monarolepis verrucosa*).

CPC 19651, CPC 19652: Cited specimens (incomplete fin spines) - YOUNG & GORTER, 1981, pp. 122-123.
Locality, horizon and age as for CPC 19649.

Order CLIMATIDA

Family CLIMATIDAE

***Cheiracanthoides* sp.**

CPC 25779: Figured specimen (scale) - YOUNG *et al.*, 1987, p. 238, fig. 5L.
Locality: About 600 m east of the northern end of N'Dhala Gorge, Ross River Syncline, Northern Territory.
Horizon: N'Dahla Member, Pertnjara Group, Amadeus Basin.
Age: Emsian-Eifelian, Early-Middle Devonian.

***Nostolepis cf. striata* (PANDER, 1856)**

- CPC 20088:** Figured specimen (3 scales) - TURNER, JONES & DRAPER, 1981, p. 60, figs. 14D.
Locality: SP 799, eastern limb of the Toko Syncline, Toomba Range, Queensland, Australia.
Horizon: Cravens Peak Beds, Georgina Basin.
Age: Emsian-Eifelian, Early-Middle Devonian.
Remarks: One of 3 broken scales was figured, CPC 20088/1. The numbered suffix refers to the numbered square on the microscope slide.

climatiid gen. et sp. indet.

- CPC 17010:** Cited specimen (curved tuberculate fin spine) - FERGUSSON *et al.*, 1979, p. 103.
Locality: Pambula River, 5 km west of Pambula, on the south coast of New South Wales, Australia.
Horizon: Boyd Volcanic Complex, Lachlan Fold Belt.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 19647:** Figured specimen (incomplete fin spine) - YOUNG & GORTER, 1981, p. 122, pl. 9, fig. 8.
Locality: 18 km northwest of Wee Jasper, Burrinjuck Dam area, New South Wales, Australia.
Horizon: 1900 m above the base of the Hatchery Creek Conglomerate, Lachlan Fold Belt.
Age: Eifelian?, Middle Devonian.
- CPC 19648:** Cited specimen (incomplete fin spine) - YOUNG & GORTER, 1981, p. 122.
Locality, horizon and age as for CPC 19647.
- CPC 19652:** Cited specimen (sectioned scale) - YOUNG & GORTER, 1981, p. 122
Locality, horizon and age as for CPC 19647.
- CPC 24706:** Figured specimen (incomplete fin spine) - YOUNG, 1985a, p. 248, fig. 8I.
Locality: Near Stokes Pass, western MacDonnell Ranges, Northern Territory, Australia.
Horizon: Harajica Sandstone Member, Parke Siltstone, Pertnjara Group, Amadeus Basin.
Age: Givetian-Frasnian, Middle-Late Devonian.

Family CULMACANTHIDAE

***Culmacanthus antarctica* YOUNG, 1989**

- CPC 26579:** HOLOTYPE (right cheek plate, in part and counterpart) - YOUNG, 1989a, pp. 14-17, figs 2A, 3A.
Locality: MC3, Locality 8 of Young (1988a, figs 3-4), Mount Crean, Lashly Range, southern Victoria Land, Antarctica.
Horizon: Unit 5, Section L2 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.

***Culmacanthus pambulensis* YOUNG, 1989**

- CPC 17004:** Cited specimen (incomplete cheek plate) - FERGUSSON *et al.*, 1979, p. 103.
Locality: Pambula River, 5 km west of Pambula, on the south coast of New South Wales, Australia.
Horizon: Boyd Volcanic Complex, Lachlan Fold Belt.
Age: Givetian-Frasnian, Middle-Late Devonian.
Remarks: This specimen was first cited as a possible osteichthyan bone (Fergusson *et al.* 1979) but was subsequently placed in the new species *Culmacanthus pambulensis* by Young (1989a, pp. 17-19).

CPC 26580: HOLOTYPE (right cheek plate) - YOUNG, 1989a, pp. 17-19, figs 2B, 3C.
Locality, horizon and age as for CPC 17004.

CPC 26581: Figured specimen (right cheek plate) - YOUNG, 1989a, pp. 17-19, figs 2C, 4A.
Locality, horizon and age as for CPC 17004.

CPC 26582: Figured specimen (right cheek plate) - YOUNG, 1989a, pp. 17-19, fig. 2D.
Locality, horizon and age as for CPC 17004.

CPC 26583: Figured specimen (left cheek plate) - YOUNG, 1989a, pp. 17-19, fig. 4B.
Locality, horizon and age as for CPC 17004.

'*Striacanthus*' sp.

This generic name, based on isolated fin spines, was used in the following entries (CPC 17003, 24707-08) as a form taxon ('spines of *Striacanthus* type'). Long (1983, p. 54) observed that such spines may belong to *Culmacanthus*.

CPC 17003: Cited specimen (spine) - FERGUSON *et al.*, 1979, p. 103.
Locality: Pambula River, 5 km west of Pambula, on the south coast of New South Wales, Australia.
Horizon: Boyd Volcanic Complex, Lachlan Fold Belt.
Age: Givetian-Frasnian, Middle-Late Devonian.

CPC 24707: Figured specimen (spine) - YOUNG, 1985a, p. 248, fig. 8H.
Locality: Near Stokes Pass, western MacDonnell Ranges, Northern Territory, Australia.
Horizon: Harajica Sandstone Member, Parke Siltstone, Pertnjara Group, Amadeus Basin.
Age: Givetian-Frasnian, Middle-Late Devonian.

CPC 24708: Figured specimen (spine) - YOUNG, 1985a, p. 248, fig. 8F.
Locality, horizon and age as for CPC 24707

Family DIPLACANTHIDAE

diplacanthid? gen. et sp. indet.

CPC 16996: Cited specimen (articulated incomplete fish, in part and counterpart) - FERGUSON *et al.*, 1979, p. 102.
Locality: Near Bunga Beach, on the north side of Bunga Head northeast of Bega, New South Wales, Australia
Horizon: Bunga Beds, Boyd Volcanic Complex, Lachlan Fold Belt.
Age: Givetian-Frasnian, Middle-Late Devonian.

CPC 30433: Figured specimen (articulated incomplete fish, in part and counterpart) - VICKERS-RICH & RICH, 1993, p. 71, pl. 58.
Locality, horizon and age as for CPC 16996.
Remarks: This fish is figured upside-down.

Family GYRACANTHIDAE

***Gyracanthides* sp. indet.**

CPC 26406: Figured specimen (impression of spine) - YOUNG, 1991b, pp. 547-548, fig. 15.7C.
Locality: Locality 13 of Young (1988a, fig. 4), Mount Metschel, southern Victoria Land, Antarctica.

Horizon: Unit 10, Section M1 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.

- CPC 26407:** Figured specimen (impression of spine) - YOUNG, 1991b, pp. 547-548, fig. 15.7D.
Locality: Locality 16 of Young (1988a, fig. 4), northern Boomerang Range, southern Victoria Land, Antarctica.
Horizon: Unit 4, Section A2 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.

ACANTHODII *incertae sedis*

- CPC 24673:** Cited specimen (spine) - YOUNG, 1985a, p. 242.
Locality: Milton's locality, eastern rim of Gosses Bluff, Northern Territory, Australia.
Horizon: Deering Siltstone Member, Parke Siltstone, Pertnjara Group, Amadeus Basin.
Age: Emsian-Eifelian, Early-Middle Devonian.
- CPC 25778:** Figured specimen (ornamented bone fragment) - YOUNG *et al.* 1987, pp. 238-239, fig. 5K.
Locality: About 600 m east of the northern end of N'Dhala Gorge, Ross River Syncline, Northern Territory.
Horizon: N'Dahla Member, Pertnjara Group, Amadeus Basin.
Age: Emsian-Eifelian, Early-Middle Devonian.

Class OSTEICHTHYES **Subclass ACTINOPTERYGII** **Order PALAEONISCOIDEI** **Family STEGOTRACHELIDAE**

stegotrachelid gen. et sp. indet.

- CPC 17220:** Figured specimen (complete fish in limestone nodule, with some acid-etched fragments) - NICOLL, 1977, p. 218, fig. 2.
Locality: Paddy's Valley, Kimberley region, northwest Western Australia.
Horizon: Gogo Formation, Canning Basin.
Age: Early Frasnian, Late Devonian.
Remarks: Conodont elements from the gut region of this specimen were described by Nicoll (1977). The two palaeoniscoid genera known from the Gogo Formation (*Mimia*, *Moythomasia*) belong in the family Stegotrachelidae (Gardiner 1984), but until CPC 17220 is further prepared its generic assignment is uncertain. Fish fragments from acid residue of the nodule, placed by Nicoll (1977) in CPC 17222, are now included with CPC 17220.

PALAEONISCOIDEI *incertae sedis*

- CPC 25610:** Figured specimen (patch of squamation exhibiting scale ornament) - TURNER & LONG, 1987, pp. 194-195, text-fig. 2; pl.1, figs B-C.
Locality: Near Lornesleigh Station, Charters Towers district, northern Queensland, Australia.
Horizon: Star of Hope Formation.
Age: Early Carboniferous.
Remarks: This specimen was first figured by White (1968, fig. 24) with the registration number F22921. Turner & Long (1987, p. 196) incorrectly cited the specimen, using the old F number, in the combination CPC F22921.

- CPC 26405:** Figured specimen (post-ethmoid part of skull roof) - YOUNG, 1991b, p. 546, fig. 15.5B.
Locality: Locality 12 of Young (1988a, fig. 3), Portal Mountain, southern Victoria Land, Antarctica.
Horizon: Unit 14, Section P1 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 30431:** Figured specimen (incomplete fish including skull, fins and scales) - VICKERS-RICH & RICH 1993, p. 81, pl. 67.
Locality: MC3, Locality 8 of Young (1988a, figs 3-4), Mount Crean, Lashly Range, southern Victoria Land, Antarctica.
Horizon: Unit 5, Section L2 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
Remarks: This specimen was previously mentioned as 'articulated palaeoniscoid remains' by Young (1988a, p. 12).

Order TELEOSTEI

Family SPARIDAE

***Chrysophrys* ? sp.**

- CPC 103:** Figured specimen (section through tooth) - CHAPMAN, 1914, pp. 298-299, pl. 7, fig. 4.
Locality: Bootless Inlet, southeast of Port Moresby, Papua New Guinea.
Horizon: Probably Darai Limestone.
Age: Early-Middle Miocene.
Remarks: Chapman's (1914) generic assignment was based on the 'almost identical' tooth structure to the living *Chrysophrys*.

Subclass DIPNOI

Order DIPNORHYNCHINA

Family DIPNORHYNCHIDAE

***Dipnorhynchus sussmilchi* (ETHERIDGE fil., 1906)**

- CPC 22594:** Figured specimen (mandible, partially thin-sectioned) - CAMPBELL & BARWICK, 1983, pp. 17-49, fig. 8.
Locality: northern shore of Burrinjuck Dam, 3-5 km upstream from Good Hope, New South Wales, Australia.
Horizon: Probably *Spirifer yassensis* Limestone, Taemas Formation, Murrumbidgee Group, Lachlan Fold Belt.
Age: Emsian, late Early Devonian.

Family CHIRODIPTERIDAE

***Chirodipterus australis* MILES, 1977**

- CPC 22592:** Figured specimen (5 thin sections, through palate and mandible) - CAMPBELL & BARWICK, 1983, pp. 17-49, fig. 5.
Locality: Paddy's Valley, Kimberley region, northwest Western Australia.
Horizon: Gogo Formation, Canning Basin.
Age: Early Frasnian, Late Devonian.
Remarks: This specimen is further described and figured by Campbell & Barwick (1986, pp. 93-131, fig. 5A); Smith & Campbell (1987, pp. 329-363, pl. 6, figs 33-38); and Cheng (1989, pp. 153-166, fig. 3B).

- CPC 25737:** Figured specimen (skull with associated mandibular fragments, shoulder girdle and scales) - SMITH & CAMPBELL, 1987, pp. 329-363, pl. 4, fig. 24.
Locality, horizon and age as for CPC 22592.
Remarks: The number CPC 25727 given in the caption to pl. 4 (Smith & Campbell 1987) is an error (should read CPC 25727). The specimen was further described and figured by Cheng (1989, pp. 153-166, fig. 5) where it was erroneously cited (caption to fig. 5) as ANU 25737.
- CPC 25741:** Figured specimen (skull with mandible and tooth plates) - CHENG, 1989, pp. 153-166, fig. 6.
Locality: Long's Well, Kimberley region, northwest Western Australia.
Horizon and age as for CPC 22592.
Remarks: In Campbell & Smith (1987, p.133) the number CPC 25741 is cited in error for a specimen of *Holodipterus gogoensis* (should read CPC 25341).
- CPC 25743:** Cited specimen (skull with mandible) - CHENG, 1989, pp. 153-166.
Locality, horizon and age as for CPC 22592.
- CPC 25744:** Cited specimen (skull with mandible and scales) - CHENG, 1989, pp. 153-166.
Locality, horizon and age as for CPC 25741.
- CPC 26576:** Figured specimen (skull with mandible, pelvic girdle and brachial arches) - YOUNG, BARWICK & CAMPBELL, 1989, pp. 59-75, figs 1A-B, 3A, 4, 8A-B, 9A.
Locality, horizon and age as for CPC 25741.

Order URANOLOPHINA

Family HOLODONTIDAE

***Holodipterus gogoensis* MILES, 1977**

- CPC 25341:** Figured specimen (mandible) - CAMPBELL & BARWICK, 1986, p. 107, figs 9A-C.
Locality: Paddy's Valley, Kimberley region, northwest Western Australia.
Horizon: Gogo Formation, Canning Basin.
Age: Early Frasnian, Late Devonian.
Remarks: Campbell & Smith (1987, pp. 133-161; number incorrectly cited throughout as CPC 25741) and Cheng (1989, pp. 153-166, fig. 9) further describe and figure this specimen.
- CPC 25342:** see 25740 below.
- CPC 25738:** Figured specimen (mandible and palate) - CAMPBELL & BARWICK, 1986, p. 107, figs 9D-E.
Locality: Long's Well, Kimberley region, northwest Western Australia.
Horizon and age as for CPC 25341.
Remarks: This specimen is further described and figured by Campbell & Smith (1987, figs 3A-D, 4D, 9(2), 10A-C, 11-18).
- CPC 25739:** Figured specimen (skull roof, snout and sectioned palate) - CAMPBELL & SMITH, 1987, pp. 133-161, figs 19-24.
Locality, horizon and age as for CPC 25738.
Remarks: This specimen is being redescribed as a new subgenus by Pridmore, Campbell & Barwick (in press).
- CPC 25740:** Figured specimen (partial skull with palate) - CAMPBELL & SMITH, 1987, pp. 133-161, figs 1A-B, 9(1).
Locality, horizon and age as for CPC 25341.
Remarks: The specimen previously figured by Campbell & Barwick (1986, fig. 4A) as CPC 25342 is the same specimen as figured by Campbell & Smith (1987, fig. 1A), which has the number CPC 25740.

Family RHYNCHODIPTERIDAE

Griphognathus whitei MILES, 1977

- CPC 21186:** Figured specimen (complete skull with mandible and associated branchial elements) - CAMPBELL & BARWICK, 1983, pp. 17-49, figs 19D-E, 21.
Locality: Paddy's Valley, Kimberley region, northwest Western Australia.
Horizon: Gogo Formation, Canning Basin.
Age: Frasnian, Late Devonian.
Remarks: This specimen was further described and figured by Campbell & Barwick (1984a, p. 25, fig. 22; 1984b, pp. 151-155, figs 2A, 4B-C; 1986, pp. 93-131, figs 8A, 18; 1988, p. 217, fig. 8). The specimen figured by Campbell & Barwick (1983, caption to fig. 19; 1984b, figs 2A, 4B-C) is this specimen, CPC 21186, and not CPC22593 as is cited in error in the captions. A colour plate of the specimen is provided by Vickers-Rich & Rich (1993, pl. 71). Pridmore & Barwick (1993, p. 165, fig. 5) illustrate sectional outlines of the head of this specimen.
- CPC 22593:** Figured specimen (partial skull) - CAMPBELL & BARWICK, 1983, pp. 17-49, fig. 20.
Locality: Paddy's Valley or Long's Well, Kimberley region, northwest Western Australia.
Horizon and age as for CPC 21186.
Remarks: This specimen was further described and figured by Campbell & Barwick (1986, pp. 93-131, fig. 5B). The specimen figured by Campbell & Barwick (1984b, figs 2A, 4B-C) is CPC 21186, not CPC 22593 as is cited in error in the captions.
- CPC 25742:** Figured specimen (skull) - CHENG, 1989, pp. 153-166, fig. 8.
Locality, horizon and age as for CPC 21186.
Remarks: A colour plate of the specimen is provided by Vickers-Rich & Rich (1993, pl. 69).
- CPC 25745:** Cited specimen (scales, operculum, 13 centra, rib fragments) - PRIDMORE & BARWICK, 1993, p. 176.
Locality, horizon and age as for CPC 21186.
Remarks: This specimen was cited by Pridmore & Barwick (1993) as CPC '13E'.

Order SPEONESYDRIONINA

Family DIPTERIDAE

dipterid? gen. et sp. indet.

- CPC 24697:** Figured specimen (skull and shoulder girdle) - YOUNG, 1985a, p. 246, fig. 8J.
Locality: Near Stokes Pass, western MacDonnell Ranges, Northern Territory, Australia.
Horizon: Harajica Sandstone Member, Parke Siltstone, Pertnjara Group, Amadeus Basin.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 24698:** Cited specimen (part of a vertebral column) - YOUNG, 1985a, p. 246.
Locality, horizon and age as for CPC 24697.
- CPC 24699:** Cited specimen (part of a vertebral column, scales and plates) - YOUNG, 1985a, p. 246.
Locality, horizon and age as for CPC 24697.

Subclass CROSSOPTERYGII
Order ONYCHODONTIDA
Family ONYCHODONTIDAE

Onychodus sp. indet.

- CPC 30434: Figured specimen (skull and jaws with associated cheek, gill arch and opercular bones) - VICKERS-RICH & RICH, 1993, p. 86, pl. 73.
Locality: Long's Well, Kimberley region, northwest Western Australia.
Horizon: Gogo Formation
Age: Early Frasnian, Late Devonian
Remarks: The left cheek and upper jaw are figured (upside-down) by Vickers-Rich & Rich (1993).

Order RHIZODONTIDA
Family NOTORHIZODONTIDAE

Notorhizodon mackelveyi YOUNG, LONG & RITCHIE, 1992

- CPC 26404: **HOLOTYPE** (disarticulated skull remains in 22 pieces, labelled a-v, including ethmosphenoid, otoccipital, maxilla and palate) - YOUNG, LONG & RITCHIE, 1992, pp. 33-58, figs 21-31, 32A-C, 33-36, 37A, 38B.
Locality: Locality 24 of Young (1988, fig. 3), Mount Ritchie, southern Warren Range, southern Victoria Land, Antarctica.
Horizon: Unit 62, Section A4 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
Remarks: This specimen was previously mentioned by Ritchie (1971) and Young (1989b), and the palate was figured by Young (1991b, fig. 15.5a) and Vickers-Rich & Rich (1993, p. 88, pl. 79; species name misspelt 'mackelvegi'). *Notorhizodon* is the type genus for the family.
- CPC 27860: Figured specimen (isolated scales) - YOUNG, LONG & RITCHIE, 1992, pp. 33-58, fig. 41C.
Locality, horizon and age as for CPC 26404.
- CPC 27861: Figured specimen (isolated scales) - YOUNG, LONG & RITCHIE, 1992, pp. 33-58, figs 41D, 42A-B.
Locality, horizon and age as for CPC 26404.
- CPC 27862: Figured specimen (possible brachioistegal) - YOUNG, LONG & RITCHIE, 1992, pp. 33-58, fig. 32dD.
Locality: Locality 13 of Young (1988, fig. 3), Mount Metschel, southern Victoria Land, Antarctica.
Horizon: Upper 30m of Section M1 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
Remarks: This specimen occurs with CPC 26374 (*Bothriolepis alexi*).
- CPC 27863: Cited specimen (disarticulated dermal fragment) - YOUNG, LONG & RITCHIE, 1992, pp. 33-58.
Locality: As for CPC 27862.
Horizon: Unit 10, Section M1 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 27864: Cited specimen (disarticulated dermal fragment) - YOUNG, LONG & RITCHIE, 1992, pp. 33-58.
Locality: As for CPC 27862.
Horizon: Unit 15, Section M1 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.

rhizodontid gen. et sp. indet.

CPC 26404: see *Notorhizodon mackelveyi*

CPC 27865: Figured specimen (incomplete cleithrum) - YOUNG, LONG & RITCHIE, 1992, p. 58, fig. 43B.

Locality: Locality 17 of Young (1988a, fig. 3), Alligator Peak, southern Victoria land, Antarctica.

Horizon: Unit 32, Section A1 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.

Age: Givetian-Frasnian, Middle-Late Devonian.

CPC 27866: Cited specimen (incomplete jaw fragment) - YOUNG, LONG & RITCHIE, 1992, p. 58.

Locality, horizon and age as for CPC 27865.

Order OSTEOLEPIDIDA

Family OSTEOLEPIDIDAE

***Gyroptychius? australis* YOUNG & GORTER, 1981**

This species was tentatively referred to the Northern Hemisphere genus *Gyroptychius* by Young & Gorter (1981, p. 116), but subsequent work indicates that it probably represents a new genus (see Young, Long & Ritchie, 1992, p. 25).

CPC 19586: HOLOTYPE (fronto-ethmoidal shield from skull roof) - YOUNG & GORTER, 1981, pp. 116-122, text-figs 25A, C; pl. 8, figs 1-2.

Locality: 18 km northwest of Wee Jasper, Burrinjuck Dam area, New South Wales, Australia

Horizon: 1900 m above the base of the Hatchery Creek Conglomerate, Lachlan Fold Belt.

Age: Eifelian?, Middle Devonian.

CPC 19587: Cited specimen (fronto-ethmoidal shield) - YOUNG & GORTER, 1981, pp. 116-122.

Locality, horizon and age as for CPC 19586.

CPC 19588: Figured specimen (fronto-ethmoidal shield) - YOUNG & GORTER, 1981, pp. 116-122, pl. 8, fig. 7.

Locality, horizon and age as for CPC 19586.

CPC 19589: Cited specimen (fronto-ethmoidal shield) - YOUNG & GORTER, 1981, pp. 116-122.

Locality, horizon and age as for CPC 19586.

CPC 19590: Figured specimen (parietal shield) - YOUNG & GORTER, 1981, pp. 116-122, text-fig. 25B; pl. 8, fig. 3.

Locality, horizon and age as for CPC 19586.

CPC 19591: Figured specimen (?left lateral extrascapular) - YOUNG & GORTER, 1981, pp. 116-122, pl. 8, fig. 6.

Locality, horizon and age as for CPC 19586.

CPC 19592: Figured specimen (right lower jaw, left preopercular and squamosal) - YOUNG & GORTER, 1981, pp. 116-122, text-fig. 27E; pl. 8, fig. 5; pl. 9, fig. 1.

Locality, horizon and age as for CPC 19586.

CPC 19593 to CPC 19595: Cited specimens (operculars) - YOUNG & GORTER, 1981, pp. 116-122.

Locality, horizon and age as for CPC 19586.

CPC 19596: Figured specimen (right subopercular) - YOUNG & GORTER, 1981, pp. 116-122, text-figs 26A-B.

Locality, horizon and age as for CPC 19586.

- CPC 19597 to CPC 19599:** Cited specimens (skull? fragments) - YOUNG & GORTER, 1981, pp. 116-122.
Locality, horizon and age as for CPC 19586.
- CPC 19600:** Cited specimen (incomplete lower jaw) - YOUNG & GORTER, 1981, pp. 116-122.
Locality, horizon and age as for CPC 19586.
Remarks: CPC 19600 occurs with CPC 17048 (*Monarolepis verrucosa*).
- CPC 19601:** Figured specimen (incomplete lower jaw) - YOUNG & GORTER, 1981, pp. 116-122, text-fig. 27A.
Locality, horizon and age as for CPC 19586.
- CPC 19602:** Figured specimen (incomplete lower jaw) - YOUNG & GORTER, 1981, pp. 116-122, text-fig. 27D.
Locality, horizon and age as for CPC 19586.
- CPC 19603 to CPC 19605:** Cited specimens (jaw remains) - YOUNG & GORTER, 1981, pp. 116-122.
Locality, horizon and age as for CPC 19586.
Remarks: CPC 19605 occurs with CPC 19446 (*Monarolepis verrucosa*).
- CPC 19606:** Figured specimen (incomplete lower jaw) - YOUNG & GORTER, 1981, pp. 116-122, text-fig. 27C.
Locality, horizon and age as for CPC 19586.
- CPC 19607:** Figured specimen (incomplete lower jaw) - YOUNG & GORTER, 1981, pp. 116-122, text-fig. 27B.
Locality, horizon and age as for CPC 19586.
- CPC 19608:** Figured specimen (isolated tooth) - YOUNG & GORTER, 1981, pp. 116-122, pl. 8, fig. 4.
Locality, horizon and age as for CPC 19586.
Remarks: CPC 19608 occurs with CPC 19428 (*Monarolepis verrucosa*).
- CPC 19609:** Figured specimen (possible second brachioistegal ray) - YOUNG & GORTER, 1981, pp. 116-122, pl. 8, fig. 8.
Locality, horizon and age as for CPC 19586.
Remarks: CPC 19609 occurs with CPC 19537 (*Denisonosteus weejasperensis*).
- CPC 19610:** Figured specimen (first brachioistegal ray) - YOUNG & GORTER, 1981, pp. 116-122, text-fig. 26C, pl. 9, fig. 4.
Locality, horizon and age as for CPC 19586.
- CPC 19611:** Figured specimen (brachioistegal ray) - YOUNG & GORTER, 1981, pp. 116-122, text-fig. 26E.
Locality, horizon and age as for CPC 19586.
- CPC 19612:** Figured specimen (brachioistegal ray) - YOUNG & GORTER, 1981, pp. 116-122, text-fig. 26D.
Locality, horizon and age as for CPC 19586.
- CPC 19613:** Figured specimen (principal gular) - YOUNG & GORTER, 1981, pp. 116-122, pl. 9, fig. 11.
Locality, horizon and age as for CPC 19586.
- CPC 19614 to CPC 19619:** Cited specimens (principal gulars) - YOUNG & GORTER, 1981, pp. 116-122.
Locality, horizon and age as for CPC 19586.
Remarks: CPC 19614 and 19615 occur with CPC 19594.
- CPC 19620:** Figured specimen (cleithrum) - YOUNG & GORTER, 1981, pp. 116-122, text-fig. 28A.
Locality, horizon and age as for CPC 19586.
- CPC 19621:** Figured specimen (cleithrum) - YOUNG & GORTER, 1981, pp. 116-122, text-fig. 28B.
Locality, horizon and age as for CPC 19586.
- CPC 19622:** Cited specimen (clavicle) - YOUNG & GORTER, 1981, pp. 116-122.
Locality, horizon and age as for CPC 19586.

- CPC 19623:** Figured specimen (clavicle) - YOUNG & GORTER, 1981, pp. 116-122, text-fig. 28C; pl. 9, fig. 5.
Locality, horizon and age as for CPC 19586.
- CPC 19624, CPC 19625:** Cited specimens (clavicles) - YOUNG & GORTER, 1981, pp. 116-122.
Locality, horizon and age as for CPC 19586.
- CPC 19626:** Cited specimen (associated scales) - YOUNG & GORTER, 1981, pp. 116-122.
Locality, horizon and age as for CPC 19586.
- CPC 19627:** Figured specimen (associated scales) - YOUNG & GORTER, 1981, pp. 116-122, text-fig. 28D.
Locality, horizon and age as for CPC 19586.
Remarks: CPC 19627 occurs with CPC 19649 (ischnacanthiform acanthodian spine).
- CPC 19628:** Cited specimen (isolated scale) - YOUNG & GORTER, 1981, pp. 116-122.
Locality, horizon and age as for CPC 19586.
- CPC 19629:** Figured specimen (associated scales) - YOUNG & GORTER, 1981, pp. 116-122, pl. 9, fig. 10.
Locality, horizon and age as for CPC 19586.
- CPC 19630 to CPC 19631:** Cited specimens (isolated scales) - YOUNG & GORTER, 1981, pp. 116-122.
Locality, horizon and age as for CPC 19586.
- CPC 19632:** Figured specimen (isolated scale) - YOUNG & GORTER, 1981, pp. 116-122, text-fig. 28E; pl. 9, fig. 3.
Locality, horizon and age as for CPC 19586.
- CPC 19633:** Figured specimen (isolated scale) - YOUNG & GORTER, 1981, pp. 116-122, pl. 9, fig. 7.
Locality, horizon and age as for CPC 19586.
- CPC 19634:** Figured specimen (isolated scale) - YOUNG & GORTER, 1981, pp. 116-122, pl. 9, fig. 6.
Locality, horizon and age as for CPC 19586.
- CPC 19635 to CPC 19643:** Cited specimens (isolated scales) - YOUNG & GORTER, 1981, pp. 116-122.
Locality, horizon and age as for CPC 19586.
- CPC 19644:** Cited specimen (basal fin scale) - YOUNG & GORTER, 1981, pp. 116-122.
Locality, horizon and age as for CPC 19586.
Remarks: This number was used in error by Burger (1980, p. 274, fig. 11A) for CPC 19694 (a microfossil).
- CPC 19645:** Figured specimen (isolated scale) - YOUNG & GORTER, 1981, pp. 116-122, text-fig. 28F; pl. 9, fig. 2.
Locality, horizon and age as for CPC 19586.
- CPC 19646:** Cited specimen (epineural or epihaemal? spine) - YOUNG & GORTER, 1981, pp. 116-122.
Locality, horizon and age as for CPC 19586.
Remarks: CPC 19646 occurs with CPC 19544 (*Denisonosteus weejasperensis*).

osteolepidid gen et sp. indet.

- CPC 17000:** Cited specimen (osteolepid scale) - FERGUSON *et al.*, 1979, p. 103.
Locality: Locality 1 of Ferguson *et al.* (1979), Lochiel-Nethercote district, west of Pambula, New South Wales, Australia.
Horizon: Facies 3, Member Boyd Volcanic Complex, Lachlan Fold Belt.
Age: Givetian-Frasnian, Middle-Late Devonian.

- CPC 27840:** Figured specimen (cosmoid scale) - YOUNG, LONG & RITCHIE, 1992, p. 28, fig. 19D.
Locality: MC1, Locality 8 of Young (1988a, fig. 3), Mount Crean, Lashly Range, southern Victoria Land, Antarctica.
Horizon: Unit 3, Section L2 of Askin *et al.* (1971), lower Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 27841:** Figured specimen (cosmoid scale) - YOUNG, LONG & RITCHIE, 1992, p. 28, fig. 19C.
Locality: Collecting site MC3, otherwise as for CPC 27840.
Horizon: Unit 5, Section L2 of Askin *et al.* (1971), lower Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 27842:** Cited specimen (posterior portion of right jaw) - YOUNG, LONG, & RITCHIE, 1992, pp. 29-30.
Locality, horizon and age as for CPC 27841.
- CPC 27843:** Cited specimen (posterior portion of left cheek) - YOUNG, LONG, & RITCHIE, 1992, p. 30
Locality: Locality 9 of Young (1988a, fig. 3), southeast of Mount Crean, Lashly Range, southern Victoria Land, Antarctica.
Horizon: Unit 8 or 10, Section L1 of Askin *et al.* (1971), lower Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 27844:** Cited specimen (cosmoid scales from one individual) - YOUNG, LONG, & RITCHIE, 1992, p. 30.
Locality: Locality 9 of Young (1988a, fig. 3), Mount Crean, Lashly Range, southern Victoria Land, Antarctica.
Horizon: Unit 34, Section L1 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 27845:** Cited specimen (many cosmoid scales and plates from one individual) - YOUNG, LONG & RITCHIE, 1992, p. 30.
Locality: Locality 11 of Young (1988a, fig. 3), Portal Mountains, southern Victoria Land, Antarctica.
Horizon: Unit 26, Section 10 of Barrett & Webb (1973), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 27846:** Cited specimen (cosmoid elements) - YOUNG, LONG & RITCHIE, 1992, p. 30.
Locality: Locality 12 of Young (1988a, fig. 3), Portal Mountain, southern Victoria Land, Antarctica.
Horizon: Unit 4, Section P1 of Askin *et al.* (1971), lower Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 27847:** Figured specimen (scales) - YOUNG, LONG & RITCHIE, 1992, pp. 29-30, fig. 19E.
Locality, horizon and age as for CPC 27846.
- CPC 27848 to CPC 27857:** Cited specimens (scales) - YOUNG, LONG & RITCHIE, 1992, p. 30.
Locality, horizon and age as for CPC 27846.
Remarks: CPC 27854 occurs with CPC 26355 (*Bothriolepis* sp. indet. 8), CPC 27856 occurs with CPC 28612 (*Turinia antarctica*), and CPC 27857 occurs with CPC 21191 (*Antarctilamna prisca*) and CPC 26358 (*Bothriolepis* sp. indet. 8).

Family MEGALICHTHYIDAE

Mahalalepis resima YOUNG, LONG & RITCHIE, 1992

- CPC 27839: HOLOTYPE** (incomplete fronto-ethmoidal shield) - YOUNG, LONG, & RITCHIE, 1992, pp. 22-23, fig. 15.
Locality: MC1, Locality 8 of Young (1988a, figs 3-4), Mount Crean, Lashly Range, southern Victoria Land, Antarctica.

Horizon: Unit 3, Section L2 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.
Remarks: This specimen is the holotype of the type species of *Mahalalepis*.

Family EUSTHENOPTERIDAE

eusthenopterid gen. et sp. indet.

CPC 27858: Figured specimen (scale, in part and counterpart) - YOUNG, LONG, & RITCHIE, 1992, p. 32, fig. 42C.

Locality: Locality 24 of Young (1988a, fig. 3), eastern face of Mount Ritchie, southern Warren Range, southern Victoria Land, Antarctica.

Horizon: Unit 54, Section A4 of Askin *et al.* (1971), Aztec Siltstone, Taylor Group, Beacon Supergroup.
Age: Givetian-Frasnian, Middle-Late Devonian.

CPC 27859: Cited specimen (scale, in part and counterpart) - YOUNG, LONG, & RITCHIE, 1992, p. 32.
Locality, horizon and age as for CPC 27858.

CROSSOPTERYGII *incertae sedis*

CPC 13944: Figured specimen (scale) - YOUNG, 1987, p. 190, pl. 2, fig. 8.

Locality: Locality B136, Knobby Hills area, about 24 km NNE of 'Billiluna' homestead, northern Western Australia.

Horizon: Knobby Sandstone, Canning Basin.
Age: Famennian?, Late Devonian.

CPC 13945: Figured specimen (scale) - YOUNG, 1987, p. 190, pl. 2, fig. 6.

Locality: Locality V34 of Young (1987, fig. 1), Knobby Hills area, 24 km NNE of 'Billiluna' homestead, northern Western Australia.

Horizon: Knobby Sandstone, Canning Basin.
Age: Famennian?, Late Devonian.

CPC 13946: Figured specimen (scale) - YOUNG, 1987, p. 190, pl. 2, fig. 7.

Locality, horizon and age as for CPC 13944.

Remarks: The specimen figured by Young (1987, pl. 2 fig. 5) is a tooth (CPC 13948), not CPC 13946 as cited in error in the figure caption.

CPC 13947: Figured specimen (grooved tooth) - YOUNG, 1987, p. 190, pl. 2, fig. 4.

Locality: Locality B130 of Young (1987, fig. 1), Knobby Hills area, 24 km NNE of 'Billiluna' homestead, northern Western Australia.

Horizon: Knobby Sandstone, Canning Basin.
Age: Famennian?, Late Devonian.

CPC 13948: Figured specimen (grooved tooth) - YOUNG, 1987, p. 190, pl. 2, fig. 5.

Locality, horizon and age as for CPC 13947.

Remarks: The specimen figured by Young is CPC 13948, not CPC 13946 (which is a scale) as cited in error in the caption.

CPC 13949: Figured specimen (grooved tooth) - YOUNG, 1987, p. 190, pl. 2, fig. 3.

Locality: Locality B140 of Young (1987, fig. 1), Falconer Hills area, 8.5 km NNW of 'Billiluna' homestead, Western Australia.

Horizon and Age as for CPC 13944.

- CPC 16992:** Cited specimen (right cleithrum) - FERGUSSON *et al.*, 1979, p. 102.
Locality: Bunga Beach, on the north side of Bunga Head, northeast of Bega, New South Wales, Australia.
Horizon: Bunga Beds, Facies 2, Boyd Volcanic Complex, Lachlan Fold Belt.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 16993:** Cited specimen (portion of lower jaw) - FERGUSSON *et al.*, 1979, p. 102.
Locality, horizon and age as for CPC 16992.
- CPC 24700:** Cited specimen (incomplete maxilla or dentary and associated squamation) - YOUNG, 1985a, p. 248.
Locality: Near Stokes Pass, western MacDonnell Ranges, Northern Territory, Australia.
Horizon: Harajica Sandstone Member, Parke Siltstone, Pertnjara Group, Amadeus Basin.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 24701:** Cited specimen (jaw? element) - YOUNG, 1985a, p. 248.
Locality, horizon and age as for CPC 24700.
- CPC 24702:** Cited specimen (denticulate bone?) - YOUNG, 1985a, p. 248.
Locality, horizon and age as for CPC 24700.

OSTEICHTHYES *incertae sedis*

The following four specimens may belong either to Crossopterygii or Dipnoi.

- CPC 24703:** Cited specimen (unjointed fin rays) - YOUNG, 1985a, p. 248.
Locality: Near Stokes Pass, western MacDonnell Ranges, Northern Territory, Australia.
Horizon: Harajica Sandstone Member, Parke Siltstone, Pertnjara Group, Amadeus Basin.
Age: Givetian-Frasnian, Middle-Late Devonian.
- CPC 24704:** Cited specimen (body squamation and associated bones) - YOUNG, 1985a, p. 248.
Locality, horizon and age as for CPC 24703.
- CPC 24705:** Cited specimen (body squamation with part of lateral line system) - YOUNG, 1985a, p. 248.
Locality, horizon and age as for CPC 24703.
- CPC 25780:** Figured specimen (cosmoid bone fragment) - YOUNG *et al.*, 1987, pp. 238-239, fig. 5M.
Locality: 600 m east of the northern end of N'Dhala Gorge, Ross River Syncline, Northern Territory, Australia.
Horizon: N'Dahla Member, Pertnjara Group, Amadeus Basin.
Age: Emsian-Eifelian, Early-Middle Devonian.

Class AMPHIBIA

Order TEMNOSPONDYLI

Family RHYTIDOSTEIDAE

***Deltasaurus kimberleyensis* COSGRIFF, 1965**

- CPC 21392:** Paratype (lower jaw fragment) - COSGRIFF, 1965, pp. 68-80.
Locality: Dry Corner area, Nerrima Station, probably on the road between Dry Corner and Tutu Bores, Western Australia. Original records lost (see Cosgriff 1965).
Horizon: Blina Shale, Derby Group, Canning Basin.
Age: Early Triassic (see Balme 1963; Dickins & McTavish 1963).
Remarks: This specimen was cited as F21794 by Cosgriff (1965). Warren (1987, pp. 27-29; 1988, p.155; 1991, p. 580) discussed the morphology, origins, and palaeoecology of *Deltasaurus kimberleyensis* from the Blina Shale, and provided a reconstruction.

CPC 21393: Paratype (lower jaw fragment) - COSGRIFF, 1965, pp. 68-80.

Locality, horizon and age as for CPC 21392.

Remarks: This specimen was cited as F21805 by Cosgriff (1965).

CPC 21394: Paratype (lower jaw fragment) - COSGRIFF, 1965, pp. 68-80.

Locality, horizon and age as for CPC 21392.

Remarks: This specimen was cited as F21807 by Cosgriff (1965).

CPC 21395: Paratype (lower jaw fragment) - COSGRIFF, 1965, pp. 68-80.

Locality, horizon and age as for CPC 21392.

Remarks: This specimen was cited as F21817 by Cosgriff (1965).

***Deltasaurus pustulatus* COSGRIFF, 1965**

CPC 21391: HOLOTYPE (partial skull roof with a small fragment of the palate surface and matching impression of the skull roof) - COSGRIFF, 1965, pp. 80-86, figs 10-11.

Locality: BMR Bore No.10, Beagle Ridge, Western Australia, (see Dickins, McTavish & Balme 1961).

Horizon: Core 28 (depth 797-800 m) in the Kockatea Shale, Perth Basin.

Age: Early Triassic (see Balme 1963; Dickins & McTavish 1963).

Remarks: This specimen was cited as F21775 by Cosgriff (1965). Warren (1987, p. 27) mentioned the unusual discovery of this specimen and later (Warren 1988, p. 155; 1991, p. 580) briefly referred to its morphology in a review of Australian fossil amphibians.

Class REPTILIA

Order CHELONIA

Family CARETTOCHELYIDAE?

***Carettochelys* ? sp. indet.**

CPC 17118: Figured specimen (fragmentary plastron with ridged ornamentation) - GORTER & NICOLL, 1978, pp. 97-104, fig. 4C.

Locality: Lag conglomerate cave deposit, Windjana Gorge, Lennard River, Western Australia.

Age: Cainozoic.

Remarks: Gaffney (1981, pp. 32-33) re-examined this specimen and referred it to 'Testudines indeterminate', because it lacks the distinctive surface texture seen in *Carettochelys*.

Family CHELIDAE?

***Chelodina* ? sp. indet.**

CPC 17116: Figured specimen (?second left pleural plate, medial part only) - GORTER & NICOLL, 1978, pp. 97-104, figs 4A-B.

Locality: Lag conglomerate cave deposit, Windjana Gorge, Lennard River, Western Australia.

Age: Cainozoic.

- CPC 17117:** Figured specimen (right first pleural plate) - GORTER & NICOLL, 1978, pp. 97-104, figs 4F-G.
Locality and age as for CPC 17116.
Remarks: Gaffney (1981, pp. 32-33) re-examined both specimens (CPC 17116 and CPC 17117) and referred them to Testudines indeterminate', because the costal features used by Gorter & Nicoll (1978) to identify them as ?*Chelodina* are not restricted to that form.

Order SQUAMATA
Family BOIDAE

***Morelia antiqua* SMITH & PLANE, 1985**

- CPC 25077: HOLOTYPE** (right dentary) - SMITH & PLANE, 1985, pp. 191-195, figs 2H-J.
Locality: Small Hills locality, Bullock Creek, 26 km southeast of 'Camfield' homestead, north central Northern Territory, Australia.
Horizon: Camfield Beds.
Age: Late Oligocene-Middle Miocene.
Remarks: Throughout the original description by Smith & Plane (1985) this specimen has been incorrectly quoted with the number CPC 20577 (already used for a brachiopod). Scanlon (1992, p. 49) corrected the original spelling from *Morelia antiquus* to *M. antiqua*.

Order CROCODYLOTARSI
Family CROCODYLIDAE

***Crocodylus johnsoni* KREFFT, 1873**

- CPC 17115:** Figured specimen (dorsal scute) - GORTER & NICOLL, 1978, pp. 97-104, fig. 3B.
Locality: Collected from the bed of the Lennard River, Windjana Gorge, Western Australia.
Age: Recent.
Remarks: Modern specimen collected for comparison. This species is frequently cited as *C. johnsoni*, but the name *C. johnsoni* used by Gorter & Nicoll (1978) is the correct original spelling (ICZN, Art. 32). The unjustified emendation *johnstoni* originates from Gray (1874) who stated that Krefft had intended to use the name *johnstoni*; but there is no evidence of any inadvertent error in the original publication, as the Code requires.

***Crocodylus?* sp. indet.**

- CPC 17112:** Figured specimen (incomplete left premaxillary fragment) - GORTER & NICOLL, 1978, pp. 97-104, figs 2A, C, 3A.
Locality: Lag conglomerate cave deposit, Windjana Gorge, Lennard River, Western Australia.
Age: Cainozoic.
Remarks: The reference in Gorter & Nicoll (1978, p. 97) to CPC 17122 is an error for CPC 17112.
- CPC 17113:** Figured specimen (fragmentary dorsal scute) - GORTER & NICOLL, 1978, pp. 97-104, fig. 3A.
Locality, horizon and age as for CPC 17112.
- CPC 17114:** Figured specimen (several fragmentary ventral scutes) - GORTER & NICOLL, 1978, pp. 97-104, fig. 3C.
Locality, horizon and age as for CPC 17112.

Class AVES
Order DROMINITHIFORMES
Family DROMORNITHIDAE

***Barawertornis tedfordi* RICH, 1979**

- CPC 7341: HOLOTYPE** (left femur, lacking the trochanter and lateral part of shaft at the proximal end) - RICH, 1979, pp. 24-26, figs 2A, 8D, 9A, 10C-D, 11A.
Locality: Limestone outcrop between the Gregory River and Verdon Creek, 6.4 km north of 'Riversleigh' homestead, northwest Queensland, Australia.
Horizon: Upper Member, Carl Creek Limestone.
Age: Late Oligocene-Middle Miocene.
Remarks: This is the type species of *Barawertornis*. It was refigured by Rich (1980, pp. 93-103, fig 1A) and Vickers-Rich (1991, pp. 740-743, figs 10A, 11A, 12A) in conjunction with summaries of the morphology, palaeoecology, distributions, and phylogeny of the dromornithids.
- CPC 7346:** Figured specimen (distal end and shaft fragment of a left tarsometatarsus, lacking distal ends of trochlea II and III) - RICH, 1979, pp. 24-26, figs 16A, 17A, 18A, 19A, 20A.
Locality, horizon and age as for CPC 7341.
Remarks: This specimen was refigured by Vickers-Rich (1991, figs 13A, 14A, 16A), with the CPC numbers omitted from the captions.
- CPC 7347:** Cited specimen (distal end of a right femur, lacking external and fibular condyles) - RICH, 1979, pp. 24-26.
Locality, horizon and age as for CPC 7341.
- CPC 7348:** Cited specimen (vertebra) - RICH, 1979, pp. 24-26.
Locality, horizon and age as for CPC 7341.

***Bullockornis planei* RICH, 1979**

- CPC 13844: HOLOTYPE** (right femur) - RICH, 1979, pp. 27-30, figs 2B, 8E, 9B, 10A-B, 11B.
Locality: Low limestone hill 1 km east of the type section of the Camfield Beds, Bullock Creek, Northern Territory, Australia.
Horizon: Camfield Beds.
Age: Late Oligocene-Middle Miocene.
Remarks: This is the type species of *Bullockornis*. It was refigured by Rich (1980, pp. 93-103, fig. 1B) and Vickers-Rich (1991, figs 10B, 11B, 12B, with the CPC numbers omitted from the captions) in conjunction with summaries of the morphology, palaeoecology, distribution, and phylogeny of the dromornithids.
- CPC 13845:** Figured specimen (right femur) - RICH, 1979, pp. 27-30, fig. 2C, 9C, 11C.
Locality, horizon and age as for CPC 13844.
Remarks: This specimen was refigured by Rich (1980, fig. 1C) and Vickers-Rich (1991, figs 10C, 11C 12C, with the CPC numbers omitted from the captions).
- CPC 13846:** Cited specimen (vertebra) - RICH, 1979, pp. 27-30.
Locality, horizon and age as for CPC 13844.
- CPC 13847:** Figured specimen (vertebra) - RICH, 1979, pp. 27-30, fig. 31A-E.
Locality, horizon and age as for CPC 13844.

CPC 13848: Figured specimen (right tarsometatarsus) - RICH, 1979, pp. 27-30, figs 15A, 16B, 17E, 18C, 19B, 20B.

Locality, horizon and age as for CPC 13844.

Remarks: In Rich (1979) the caption to figure 17E should read CPC 13848, not CPC 13849. This specimen was refigured by Vickers-Rich (1991, figs 13B, 14C, 15B, 17A), with the CPC numbers omitted from the captions.

CPC 31616: Figured specimen (cf. costal rib) - RICH, 1979, pp. 27-30, figs 31F-G.

Locality, horizon and age as for CPC 13844.

Remarks: This specimen was referred to as F23013J by Rich (1979).

***Bullockornis?* sp.**

CPC 13849: Figured specimen (proximal end of a left tarsometatarsus) - RICH, 1979, pp. 27-30, figs 15B, 18B.

Locality: Bullock Creek, Northern Territory, Australia.

Horizon: Camfield Beds.

Age: Late Oligocene-Middle Miocene.

Remarks: This specimen was refigured by Vickers-Rich (1991, figs 14B, 17B), with the CPC numbers omitted from the captions.

***Dromornis stirtoni* RICH, 1979**

CPC 13851: HOLOTYPE (right femur, lacking part of the trochanter and the anterior part of the internal condyle) - RICH, 1979, pp. 33-36, figs 2E, 3B, 4B, 5B, 6B, 11E.

Locality: UCMP V6345, Paine Quarry, 8 km southwest of 'Alcoota' homestead, central Northern Territory, Australia.

Horizon: Waite Formation.

Age: Late Miocene.

Remarks: This specimen was refigured by Rich (1980, fig. 1D) and Vickers-Rich (1991, figs 10D, 11E, 12E), with the CPC numbers omitted from the captions. *Dromornis stirtoni* was considered to be the 'world's heaviest known bird' by Rich (1987, p. 46).

***Ilbandornis woodburnei* RICH, 1979**

CPC 13850: HOLOTYPE (right femur, with the anterior part of the trochanter broken off) - RICH, 1979, pp. 38-39, figs 2F, 3C, 4C, 5C, 6C

Locality: UCMP V6345, Paine Quarry, 8 km southwest of 'Alcoota' homestead, central Northern Territory, Australia.

Horizon: Waite Formation.

Age: Late Miocene.

Remarks: This is the type species of *Ilbandornis*. It was refigured by Rich (1980, fig. 1E) and Vickers-Rich (1991, figs 10E, 11F). Rich (1987, pp. 46-48) provides a reconstruction of *Ilbandornis* from the 'Alcoota' site, and discusses its palaeoecology.

***Ilbandornis lawsoni* RICH, 1979**

CPC 13852: HOLOTYPE (right tarsometatarsus, with the proximal articular surfaces broken off) - RICH, 1979, pp. 39-41, figs 17C-D, 18E-F, 19D-E, 20E.

Locality: UCMP V6345, Paine Quarry, 8 km southwest of 'Alcoota' homestead, central Northern Territory, Australia.

Horizon: Waite Formation.

Age: Late Miocene.

Order CASUARIIFORMES
Family CASUARIIDAE

***Casuarius lydekkeri* ROTHSCILD, 1911**

CPC 26605: Figured specimen (partial skeleton, with each specimen labelled as follows: a, synsacrum and partial pelvis; b and c, right and left femora; d, distal tibiotarsus; e, proximal tibiotarsus; f and g, right and left proximal tarsometatarsi; h, left distal tarsometatarsi) - RICH, PLANE & SCHROEDER, 1988, pp. 378-389, fig. 4.

Locality: Bank on the southwestern side of Pureni Mission airstrip, Southern Highlands Province, Papua New Guinea.

Horizon: grey-black sandy silt bed within the Pureni section (see Flannery & Plane 1986, fig. 2).

Age: Late Pleistocene: ¹⁴C date of 38 600 years B.P. (see Williams, McDougall & Powell 1972).

Remarks: Plane (1991, p. 97, figs 4-5) recounts the discovery of the specimen. It has also been mentioned and refigured by Vickers-Rich (1991, p. 745, figs 21-22).

Class MAMMALIA
Subclass PLACENTALIA
Order CETACEA
Family ZIPHIIDAE

***Mesoplodon longirostris* (CUVIER, 1823)**

CPC 473: Figured specimen (rostrum) - GLAESSNER, 1947, pp. 25-34, text-fig. 1, figs 1-3.

Locality: Oil shaft, Allotment 31, Parish of Colquhoun, County Tambo, Gippsland, less than 2 km northeast of Lakes Entrance, Victoria, Australia.

Horizon: Kalimnan beds.

Age: Pliocene.

Remarks: No specimen number was given by Glaessner (1947), but it was specified as CPC 473 by Crespin (1960, p. 849).

Subclass MARSUPIALIA
Order DASYUROMORPHIA
Family THYLACINIDAE

***Thylacinus potens* WOODBURN, 1967**

CPC 6746: HOLOTYPE (palatal fragment with left M2-4 and right P2-M2) - WOODBURN, 1967b, pp. 20-39, fig. 6.

Locality: UCMP V6345, Paine Quarry, 8 km southwest of 'Alcoota' homestead, central Northern Territory, Australia.

Horizon: Waite Formation.

Age: Late Miocene.

Remarks: As noted by Mahoney & Ride (1975, pp. 37-38), there is an error in the original description, with lefts and rights transposed. Archer (1982, figs 2-3) provided stereophotographs of the specimen in a discussion on the phylogeny of the thylacinids.

Order DIPROTODONTIA
Family PHASCOLARCTIDAE

***Perikoala robustus* WOODBURNE, TEDFORD, ARCHER & PLEDGE, 1987**

- CPC 25338:** Cited specimen (left upper M3 lacking its anterior root) - WOODBURNE *et al.*, 1987, pp. 308-317.
Locality: University of NSW "Croc. Pot 8" Locality, Etadunna Formation, western side of Lake Palankarina, South Australia.
Horizon: Etadunna Formation, (Member 3, after Stirton, Tedford & Miller 1961).
Age: Late Oligocene-Middle Miocene.
- CPC 25339:** Cited specimen (left M2) - WOODBURNE *et al.*, 1987, p. 308.
Locality, horizon and age as for CPC 25338.

Family DIPROTODONTIDAE

***Bematherium angulum* TEDFORD, 1967**

- CPC 7339: HOLOTYPE** (fragment of right mandible with P3, M1-2, and part only of M3) - TEDFORD, 1967, pp. 232-235, fig. 6.
Locality: Site C, 2.4 km south of Verdon Creek, Riversleigh Station, Queensland, Australia.
Horizon: Upper Member, Carl Creek Limestone.
Age: Late Oligocene-Middle Miocene.
Remarks: This is the type species of *Bematherium*. The specimen has been refigured by Archer *et al.* (1991, p. 20).

***Hulitherium tomasettii* FLANNERY & PLANE, 1986**

- CPC 25718:** cast of **HOLOTYPE** (partial skeleton including partial cranium, fragment of left upper P3, nearly complete left and right upper M2 and M3, fragment of left and right upper M4, fragment of right lower P3, broken left and right lower M1-4, and postcranial remains including fragments of left femur, right tibia, and right humerus) - FLANNERY & PLANE, 1986, pp. 67-76, figs 3-7.
Locality: Bank on the southwestern side of the Pureni Mission airstrip, Southern Highlands District, Papua New Guinea.
Horizon: grey-black sandy silt bed within the Pureni section (see Flannery & Plane 1986, fig.2).
Age: Late Pleistocene: ¹⁴C date of 38,600 years B.P. (see Williams, McDougall & Powell, 1972).
Remarks: This is the type species of *Hulitherium*. The holotype is now housed in the collection of the PNG National Museum in Port Moresby (PNGMR 25063) with a cast (CPC 25718) in the CPC, Canberra. Casts of the cranium and postcranial fragments are also held at the Australian Museum, Sydney. Plane (1991, pp. 95-109, figs 6-10) refigured this specimen and provided details of its discovery. A reconstruction of *Hulitherium* is provided by Flannery (1987).

***Kolopsis torus* WOODBURNE, 1967**

- CPC 6747: HOLOTYPE** (nearly complete skull, lacking left zygomatic arch, and left and right I2-3) - WOODBURNE, 1967a, pp. 72-88, fig. 5F.
Locality: UCMP V6345, Paine Quarry, 8 km southwest of 'Alcoota' homestead, central Northern Territory, Australia.
Horizon: Waite Formation.

Age: Late Miocene.

Remarks: This is the type species of *Kolopsis*. As noted by Mahoney & Ride (1975, p. 112) the number for this specimen was incorrectly cited by Woodburne (1967a, p. 72) as CPC 6749 instead of CPC 6747. This specimen was further described and figured by Woodburne (1967b, pp. 139-148, figs 28-30). Mahoney & Ride (1975, pp. 78-79) discussed and determined the authorship, and date and place of publication of this species name.

***Kolopsoides cultridens* PLANE, 1967**

CPC 13860: HOLOTYPE (skull fragments, with each specimen labelled as follows: a, mandible, with left and right dentitions except for left I1, and ascending rami and inflected angles broken; b, premaxillary fragment with root of right upper I1; c right upper P3-M2; d, right upper M4; e, premaxillary fragment with median left and right incisors; f, left upper P3) - PLANE, 1967a, pp. 119-128, figs 6, 7, 8.

Locality: UCMP V5564, 'Sunshine' gold sluicing workings in the type section of the Otibanda Formation, Papua New Guinea.

Horizon: Otibanda Formation.

Age: Late Pliocene.

Remarks: This is the type species of *Kolopsoides*. The specimen was originally cited as UCMP 67601, and was later allocated a CPC number. Plane (1967a, p. 119) described left and right upper dentitions opposite to the actual specimens (as noted by Mahoney & Ride, 1975, p. 94). Mahoney & Ride (1975, pp. 78-79) discussed and determined the authorship, and date and place of publication of this species name.

***Neohelos* sp.**

CPC 22525: Cited specimen (cranium) - MURRAY, 1992, p. 72.

Locality: Bullock Creek, Northern Territory, Australia.

Horizon: Camfield Beds.

Age: Late Oligocene-Middle Miocene.

Remarks: This specimen was cited in the text as CPC F23038, a misunderstanding of the numbering system of the AGSO collections, and has since been allocated a CPC number.

***Plaisiodon centralis* WOODBURN, 1967**

CPC 6748: HOLOTYPE (nearly complete cranium, lacking incisor, most of left molar dentition, left zygomatic arch and occiput) - WOODBURN, 1967a, pp. 89-103, fig. 7F.

Locality: UCMP V6345, Paine Quarry, 8 km southwest of 'Alcoota' homestead, central Northern Territory, Australia.

Horizon: Waite Formation.

Age: Late Miocene.

Remarks: This is the type species of *Plaisiodon*. This specimen was further described and figured by Woodburne (1967b, pp. 149-159, figs 31-33). A reconstruction of *Plaisiodon* and its palaeoecology has been provided by Hand (1987, pp. 61-63). Mahoney & Ride (1975, pp. 78-79) discussed and determined the authorship, and date and place of publication of this species name.

***Pyramios alcootense* WOODBURN, 1967**

CPC 6749: HOLOTYPE (nearly complete skull, lacking right I1-2, and left I2-3, and portion of left zygomatic arch) - WOODBURN, 1967a, pp. 57-71, fig. 1G.

Locality: UCMP V6345, Paine Quarry, 8 km southwest of 'Alcoota' homestead, central Northern Territory, Australia.

Horizon: Waite Formation.

Age: Late Miocene.

Remarks: This is the type species of *Pyramios*. This specimen was further described and figured by Woodburne (1967b, pp. 125-138, figs 25-27). Mahoney & Ride (1975, pp. 78-79) discussed and determined the authorship, and date and place of publication of this species name.

zygomaturine gen. et sp. indet.

CPC 7338: Figured specimen (left lower M3) - TEDFORD, 1967, pp. 231-232, fig. 5.

Locality: Site D between the Gregory River and Verdon Creek, 8 km north of 'Riversleigh' homestead, northwest Queensland, Australia.

Horizon: Upper Member, Carl Creek Limestone.

Age: Late Oligocene-Middle Miocene.

Family PALORCHESTIDAE

***Palorchestes painei* WOODBURN, 1967**

CPC 6752: HOLOTYPE (near complete cranium.) - WOODBURN, 1967b, pp. 107-124, figs 19-21.

Locality: UCMP V6345, Paine Quarry, 8 km southwest of 'Alcoota' homestead, central Northern Territory, Australia.

Horizon: Waite Formation.

Age: Late Miocene.

Remarks: Pledge (1991, p. 162) cited this specimen in a comparative morphometric study of *Palorchestes*.

Palorchestinae gen. et sp. indet.

CPC 7337: Cited specimen (right maxillary fragment with P3, M1, and fragment of M2) - TEDFORD, 1967, pp. 228-231, fig. 4.

Locality: Site D between the Gregory River and Verdon Creek, 8 km north of 'Riversleigh' homestead, northwest Queensland, Australia.

Horizon: Upper Member, Carl Creek Limestone.

Age: Late Oligocene-Middle Miocene.

Family THYLACOLEONIDAE

***Wakaleo vanderleueri* CLEMENS & PLANE, 1974**

CPC 13527: HOLOTYPE (right mandibular fragment with M1) - CLEMENS & PLANE, 1974, pp. 656-659, fig. 2.

Locality: Small Hills locality, Bullock Creek, 26 km southeast of 'Camfield' homestead, north central Northern Territory, Australia.

Horizon: Camfield Beds.

Age: Late Oligocene-Middle Miocene.

Remarks: This specimen was discussed in comparative morphological studies by Megirian (1986) and Murray & Megirian (1990).

CPC 26604: Figured specimen (complete cranium) - MURRAY, WELLS & PLANE, 1987, pp. 433-466, figs 1-6. **Locality, horizon and age** as for CPC 13527.

Remarks: Murray *et al.* (1987, p. 433) referred to an additional specimen (a dentary NTMP5553-4) which 'fitted the cranium as though it belonged to the same individual'. On this evidence they concluded that the cranium (CPC 26604) and the holotype were conspecific. Murray & Megirian (1990) later redescribed the specimen in a study of the morphology of *Wakaleo*. A spelling error ('*W. vanderleuri*') in Clemens & Plane (1974; caption to figures 4-6) was repeated throughout Murray *et al.* (1987).

Family POTOROIDAE

Bulungamaya delicata FLANNERY, ARCHER & PLANE, 1982

CPC 22187: HOLOTYPE (fragmentary left dentary with I1, P3, M1-4) - FLANNERY, ARCHER & PLANE, 1982, pp. 289-292, figs 3D-E, 4C-D.

Locality: Site G, Riversleigh Station, northwestern Queensland, Australia.

Horizon: Upper Member, Carl Creek Limestone.

Age: Late Oligocene-Middle Miocene.

Remarks: This is the type species of *Bulungamaya*.

Galanarla tessellata FLANNERY, ARCHER & PLANE, 1982

CPC 22180: Cited specimen (isolated upper I1) - FLANNERY, ARCHER & PLANE, 1982, pp. 298-299.

Locality: Site G, Riversleigh Station, northwestern Queensland, Australia.

Horizon: Upper Member, Carl Creek Limestone.

Age: Late Oligocene-Middle Miocene.

CPC 22184: Figured specimen (crown of left lower I1) - FLANNERY, ARCHER & PLANE, 1982, pp. 296-299, figs 7D, 8C-D.

Locality: as for CPC 22180 except Site D.

Horizon and age as for CPC 22180.

Wabularoo naughtoni ARCHER, 1979

CPC 22185: Figured specimen (complete left lower P3) - FLANNERY, ARCHER & PLANE, 1982, pp. 288-229, figs 3C, 4A-B.

Locality: Site G, Riversleigh Station, northwestern Queensland, Australia.

Horizon: Upper Member, Carl Creek Limestone.

Age: Late Oligocene-Middle Miocene.

Family MACROPODIDAE

Balbaroo camfieldensis FLANNERY, ARCHER & PLANE, 1982

CPC 22179: HOLOTYPE (posterior portion of left dentary, containing M1-4) - FLANNERY, ARCHER & PLANE, 1982, pp. 293-295, figs 5A-B, 6A-B.

Locality: Small Hills locality, Bullock Creek, 26 km southeast of 'Camfield' homestead, Northern Territory, Australia.

Horizon: Camfield Beds.

Age: Late Oligocene-Middle Miocene.

Remarks: This is the type species of *Balbaroo*.

Balbaroo gregoriensis FLANNERY, ARCHER & PLANE, 1982

CPC 22186: HOLOTYPE (unworn right lower M1) - FLANNERY, ARCHER & PLANE, 1982, pp. 295-297, figs 5D, 6C-D.

Locality: Site G, Riversleigh Station, northwestern Queensland, Australia.

Horizon: Upper Member, Carl Creek Limestone.

Age: Late Oligocene-Middle Miocene.

***Balbaroo* sp. indet.**

CPC 7349: Figured specimen (left dentary containing an unworn M4) - FLANNERY, ARCHER & PLANE, 1982, pp. 293-296, figs 5E, 6I-J.

Locality: 3 km northeast of Kangaroo Well, Deep Well Station, southern Northern Territory, Australia.

Age: Late Oligocene-Middle Miocene. Flannery *et al.* (1982) suggest the Kangaroo Well fauna is older than the Riversleigh or Bullock Creek faunas.

Remarks: Flannery, Archer & Plane (1982, p. 293) cited CPC 7934 in error for CPC 7349 in the caption to figure 5E. Stirton *et al.* (1968, p. 9) referred to a specimen fitting the description of CPC 7349 in a reference to a biostratigraphic interpretation of the Kangaroo Well fauna. Woodburne *et al.* (1985, p. 359) cited CPC 7349 in a discussion on the biochronology of Australian and New Guinea mammalian faunas.

***Dorcopsoides fossilis* WOODBURNE, 1967**

CPC 6750: **HOLOTYPE** (broken cranium and palatal fragment with right P3-M4, left P3, partial left M1, complete left M3-M4) - WOODBURNE, 1967b, pp. 44-55, figs 10, 11A.

Locality: UCMP V6345, Paine Quarry, 8 km southwest of 'Alcoota' homestead, central Northern Territory, Australia.

Horizon: Waite Formation.

Age: Late Miocene.

Remarks: This is the type species of *Dorcopsoides*.

***Hadronomas puckridgi* WOODBURNE, 1967**

CPC 6751: **HOLOTYPE** (right mandible with P3-M4) - WOODBURNE, 1967b, pp. 83-105, fig. 14.

Locality: UCMP V6345, Paine Quarry, 8 km southwest of 'Alcoota' homestead, central Northern Territory, Australia.

Horizon: Waite Formation.

Age: Late Miocene.

Remarks: This is the type species of *Hadronomas*.

***Macropus altus* (OWEN, 1874)**

CPC 17109: Figured specimen (broken left mandible) - GORTER, 1977, pp. 139-145, pl. 1, fig. 4; pl. 2, fig. 1.

Locality: Douglas Cave, 8 km southwest of Stuart Town, central western New South Wales, Australia.

Horizon: 30-60 cm level of Pit 1.

Age: Late Pleistocene; ¹⁴C dates given by Frank (1972) and Gorter (1977).

Remarks: This specimen is cited as DC9 in the text.

CPC 17110: Figured specimen (broken left mandible) - GORTER, 1977, pp. 139-145, pl. 2, figs 2-3.

Locality, horizon and age as for CPC 17109.

Remarks: This specimen is cited as DC11 in the text.

***Macropus giganteus* SHAW, 1790**

CPC 17111: Figured specimen (right mandibular ramus of a juvenile with a partly shed DP3, erupted M1, and partially erupted M2) - GORTER, 1977, pp. 139-145, pl. 2, figs 4-5.

Locality: Douglas Cave, 8 km southwest of Stuart Town, central western New South Wales, Australia.

Horizon: upper 15 cm of Pit 1.

Age: Late Pleistocene; ¹⁴C dates given by Frank (1972) and Gorter (1977).

Remarks: This specimen is cited as DC4 in the text.

***Macropus titan* OWEN, 1838**

- CPC 17108:** Figured specimen (broken left mandible with M2-4) - GORTER, 1977, pp. 139-145, pl. 1, figs 1-3.
Locality: Douglas Cave, 8 km southwest of Stuart Town, central western New South Wales, Australia.
Horizon: 30-60 cm level of Pit 1.
Age: Late Pleistocene; ¹⁴C dates given by Frank (1972) and Gorter (1977).
Remarks: This specimen is cited as DC1 in the text.

***Protemnodon buloloensis* PLANE, 1967**

- CPC 6774: HOLOTYPE** (anterior part of left mandible with I, P3, M1-2, and unattached fragments of left M3 and posterior half of M4, and right fragments of I, M2 and M3) - PLANE, 1967b, pp. 44-50, figs 11A-D.
Locality: UCMP V5564, "Sunshine" section, northern section of the Watut Basin, west bank of the Watut River about 14 km north of Bulolo, Morobe District, Papua New Guinea.
Horizon: Otibanda Formation
Age: Late Pliocene (for discussion on available dates for the Awe fauna see Rich *et al.* 1991, p. 1044).
Remarks: Figure 11B is a buccal view, not a lingual view, as noted by Mahoney & Ride (1975, p.126). CPC 6774 could not be located in the Commonwealth Palaeontological Collection, Canberra, and its current whereabouts are unknown.

***Protemnodon otibandus* PLANE, 1967**

- CPC 6771: HOLOTYPE** (right mandible with I1, P3, and M1-4) - PLANE, 1967b, pp. 26-44, fig. 6.
Locality: UCMP V6234, west bank of the Watut River 3 km south of the Gold and Power Company's residence at Slate Creek, Morobe District, Papua New Guinea.
Horizon: Otibanda Formation.
Age: Late Pliocene (for discussion on available dates for the Awe fauna see Rich *et al.* 1991, p. 1044).
Remarks: CPC 6771 is incorrectly referred to by Plane (1967b, p. 39) as a left, rather than right, M2-3. The specimen is also figured in Flannery *et al.* (1984, fig. 2A) and Flannery (1988, fig. 5).
- CPC 6772:** Cited specimen (right mandible with I1, P2-M2, M3 in crypt) - PLANE, 1967b, pp. 37-38.
Locality, horizon and age as for CPC 6771.
Remarks: This specimen is cited in three tables only.
- CPC 6773:** Cited specimen (pes: left and right metatarsals; proximal, medial, and distal phalanges) - PLANE, 1967b, p. 41.
Locality, horizon and age as for CPC 6771.
Remarks: CPC 6773 is currently missing from the Commonwealth Palaeontological Collection, Canberra.

macropodine? gen. et sp. indet.

- CPC 7340:** Cited specimen (fragment of lower jaw with roots of cheek teeth and fragments of M3-4) - TEDFORD, 1967, pp. 235-236.
Locality: Limestone outcrop between the Gregory River and Verdon Creek, 8 km north of 'Riversleigh' homestead, northwestern Queensland, Australia.
Horizon: Upper Member, Carl Creek Limestone.
Age: Late Oligocene-Middle Miocene.
Remarks: Tedford (1967) was unable to assign the specimen with certainty at family level because the lower molar construction was macropodine, while the position of the masseteric canal was similar to that in potoroides.

Family *incertae sedis*

macropodoid gen. et sp. indet.

- CPC 22181:** Figured specimen (maxillary fragment with left M1-3) - FLANNERY, ARCHER & PLANE, 1982, pp. 296-299, figs 7C, 8E-F.
Locality: Site H, Riversleigh Station, northwestern Queensland, Australia.
Horizon: Upper Member, Carl Creek Limestone.
Age: Late Oligocene-Middle Miocene.
Remarks: Flannery, Archer & Plane (1982) were unable to assign this specimen or the following two specimens to either *Wabularoo naughtoni* (family Potoroidae) or *Balbaroo gregoriensis* (family Macropodidae).
- CPC 22182:** Figured specimen (isolated upper DP3) - FLANNERY, ARCHER & PLANE, 1982, pp. 296-299, figs 8G-H.
Locality: Site G, Riversleigh Station, Queensland, Australia.
Horizon: Upper Member, Carl Creek Limestone.
Age: Late Oligocene-Middle Miocene.
Remarks: In the caption to figures 8G-H Flannery *et al.* (1982) correctly described this specimen as a deciduous premolar (their 'M1'). Flannery *et al.* (1982, p. 299), presumably in error, later described CPC 22182 as an upper last molar (their 'M5').
- CPC 22183:** Cited specimen (isolated M4) - FLANNERY, ARCHER & PLANE, 1982, p. 299.
Locality, horizon and age as for CPC 22182.
Remarks: Flannery *et al.* (1982, p. 299), presumably in error, referred to CPC 22183 as a deciduous premolar (their 'M1'). The specimen is actually a last molar. It was later correctly described, but incorrectly cited as QMF 22183, instead of CPC 22183. (QMF 22183 is the carapace of a crab; R. Molnar pers. comm., 12 May 1993).

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