

A DESCRIPTIVE CATALOGUE OF THE TYPE MATERIAL (CHORDATES) IN THE TASMANIAN MUSEUM

by A.P. Andrews

ANDREWS, A.P., 1992 (31:x): A descriptive catalogue of the type material (chordates) in the Tasmanian Museum. *Pap. Proc. R. Soc. Tasm.* 126: 109-113. <https://doi.org/10.26749/rstpp.126.109> ISSN 0080-4703. Tasmanian Museum and Art Gallery, 40 Macquarie Street, Hobart, Tasmania, Australia 7000.

A classified list of the chordate type specimens, including references and collection data, is given together with notes on condition.
Key Words: chordates, types, catalogue, Tasmania.

INTRODUCTION

A total of 87 type specimens of the Phylum Chordata is registered in the collections of the Tasmanian Museum and Art Gallery. This catalogue lists the types, together with the original name and reference. Subsequent changes in taxonomy are recorded where necessary. Also included are the collection data, where known with certainty, a brief description of each specimen and notes on the condition. The old registration numbers are included where applicable, together with those in current use (which should be cited).

The practice adopted by Andrews (1971) and Green (1974) of listing all available registered data is followed, irrespective of whether the specimens could be located at the time of writing.

Phylum CHORDATA

Subphylum TUNICATA
Class ASCIDEACEA
Suborder STOLIDOBRANCHIA
Family PYURIDAE
Genus *Pyura* Molina, 1872
Pyura tasmanensis Kott, 1985
Mem. Qld Mus. 23, 1985: 331

Holotype: D1881, spirit specimen.
Paratypes: D1877 (7), spirit specimens.
Locality: Ralps Bay Neck Canal, Tasmania, 15 Aug. 1938, R. Hetherington.
Note: The holotype and paratypes were selected from a sample originally registered as D720. Condition good.

Subphylum VERTEBRATA
Class ELASMOBRANCHII
Order SQUALIFORMES
Family SQUALIDAE
Genus *Centrina* Cuvier, 1816
Centrina bruniensis Ogilby, 1893
Rec. Aust. Mus. 2(5), 1893: 62
= *Oxynotus bruniensis* (Ogilby), 1893

Holotype: D154, dried mounted skin.
Locality: Bruny Island, Tasmania, date and collector unknown.
Note: Collected as a dead beach-washed specimen and is in a fair state of preservation. Old registration number TM3079.

Class TELEOSTOMI

Order CLUPEIFORMES

Family STERNOPTYCHIDAE
Genus *Polyipnus* Günther, 1887
Polyipnus tridentifer McCulloch, 1914
Biol. Res. Endeavour 2(3), 3 Jul. 1914: 87

Syntypes: D151 (5), spirit specimens.
Locality: Great Australian Bight, 800–900 m, 14 May 1913, FIS *Endeavour*.
Note: Some fin damage but otherwise in good condition. Old registration number D37.

Order SALMONIFORMES

Family GALAXIIDAE
Genus *Galaxias* Cuvier, 1816
Galaxias fontanus Fulton, 1978
Rec. Queen Vict. Mus. 63: 1

Holotype: D1317, spirit specimen.
Paratypes: D1318–D1321 (4), spirit specimens.
Locality: Swan River, Tasmania, 22 Feb. 1978, W. Fulton and R. McDowall.
Note: Condition excellent.

Galaxias parvus Frankenberg, 1968
Aust. Zool. 14(3), 1968: 270

Holotype: D940, spirit specimen.
Locality: Lake Pedder, Tasmania, 1–3 Feb. 1967, R. Frankenberg.
Note: This species was described before the full size range was known, resulting in a juvenile being selected as the holotype. The size of adult *G. parvus* is given by Andrews (1976). Condition excellent.

Galaxias pedderensis Frankenberg, 1968
Aust. Zool. 14(3), 1968: 268

Holotype: D941, spirit specimen.
Locality: Lake Pedder, Tasmania, 1–3 Feb. 1967, R. Frankenberg.
Note: As the holotype is only 49 mm standard length, it is clearly a juvenile specimen. Adult *G. pedderensis* can attain a standard length of 97 mm (Andrews 1976). Condition excellent.

Galaxias tanycephalus Fulton, 1978
Aust. J. Mar. Freshw. Res. 1978: 110

Holotype: D1266, spirit specimen.
Paratypes: D1267–D1269 (3), spirit specimens
Locality: Arthurs Lake, Tasmania, 7 Apr. 1976, W. Fulton.
Note: Condition excellent.

Galaxias niger Andrews, 1985
Pap. Proc. R. Soc. Tasm. 119, 1985: 56

Holotype: D1926, spirit specimen.
Paratypes: D1927, D1928 (2), spirit specimens.
Locality: Reservoir Lakes, Tasmania, 21 Mar. 1984, P. Andrews.
Note: Fulton (1990), without justification, implied confusion between this species and *G. brevipinnis* Gunther. However, the two are clearly distinct and can be distinguished on meristic data alone. Dorsal fin rays in *G. niger* range from 8–10 with a mean of 9.2 from 20 counts, whereas *G. brevipinnis* ranged from 11–14 with a mean of 13.9 from 34 counts. Similarly, anal fin rays in *G. niger* ranged from 9–11 with a mean of 10.1 as against a range of 12–15, mean 13.9, in *G. brevipinnis*.

Other differences include the absence of enlarged lateral canine teeth in *G. niger*, together with the reduced pyloric caeca and the smaller paired fins. Condition excellent.

Genus *Paragalaxias* Scott, 1935
Paragalaxias shannonensis Scott, 1935
Pap. Proc. R. Soc. Tasm. 1935: 41
= *Paragalaxias dissimilis* Regan, 1905

Paratypes: D1, D996, spirit specimens.
Locality: Shannon River below Miena dam. Great Lake, Tasmania, 3 Dec. 1933, E.O.G. Scott.
Note: The second paratype, D996, was originally lodged with the Zoology Department, University of Tasmania, and was transferred to the Tasmanian Museum in 1969. Condition excellent.

Paragalaxias eletroides McDowall and Fulton, 1978
Aust. J. Mar. Freshw. Res. 29, 1978: 101

Holotype: D1259, spirit specimen.
Paratypes: D1261, D1262 (2), spirit specimens.
Locality: Great Lake, Tasmania, 3 May 1976, R. McDowall and W. Fulton.
Note: Condition excellent.

Paragalaxias mesotes McDowall & Fulton, 1978
Aust. J. Mar. Freshw. Res. 29, 1978: 103

Holotype: D1260, spirit specimen.
Paratypes: D1263–D1265 (3), spirit specimens.
Locality: Arthurs Lake, Tasmania, 3 May 1976, R. McDowall and W. Fulton.
Note: Condition excellent.

Paragalaxias julianus McDowall and Fulton, 1978
Aust. J. Mar. Freshw. Res. 29, 1978: 660

Holotype: D1327, spirit specimen.
Paratypes: D1328–D1331 (4), spirit specimens.
Locality: Julian Lakes, Tasmania, 25 Feb. 1978, R. McDowall and W. Fulton.
Note: Paratypes were taken from Lake Field and Lake Dudley which are part of the Julian Lakes complex. Condition excellent.

Order LOPHIIFORMES

Family ANTENNARIIDAE

Genus *Antennarius* Cuvier, 1816
Antennarius mitchelli Morton, 1897
Pap. Proc. R. Soc. Tasm. 1897: 98
= *Trichophryne mitchelli* (Morton), 1897

Holotype: D136, spirit specimen.
Locality: Lisdillon, east coast, Tasmania, 1895, Miss Mitchell.
Note: Old registration number TM3566 and TM5163. This specimen was apparently registered twice, in error, under the TM system. Condition good.

Order GADIFORMES

Family MORIDAE

Genus *Lepidion* Swainson, 1838
Lepidion microcephalus Cowper, 1956
Pac. Sci. 10: 407

Holotype: D160, spirit specimen.
Locality: East of Schouten Island, Tasmania, 15 Feb. 1953, T.R. Cowper.
Note: Some damage to the caudal fin and thoracic area but otherwise in fair condition.

Family MERLUCCIIDAE

Genus *Coryphaenoides* Hector, 1871
Coryphaenoides tasmaniae Johnston 1883
Pap. Proc. R. Soc. Tasm. 1883: 143
= *Macruronus novaezelandiae* (Hector), 1871

Holotype: D144, spirit specimen.
Paratypes: D31 (4), spirit specimens.
Locality: Kangaroo Bluff, Derwent River, Tasmania, date and collector unknown.
Note: Old registration numbers TM5785 (D144), TM5184 (D31). Condition fair.

Order BERYCIFORMES

Family BERYCIDAE

Genus *Austroberyx* McCulloch, 1911
Austroberyx brevis (?) McCulloch, 1911
Biol. Res. Endeavour 1, 22 Dec. 1911: 39
 = *Centroberyx affinis* (Günther), 1859

Syntype: D139, spirit specimen.

Locality: Flinders Island, Bass Strait, 28 Aug. 1911, FIS *Endeavour*.

Note: Specimen labelled "*Austroberyx brevis* McCulloch, 1911, Cotype gen. et. sp.", McCulloch, however, makes no mention of this species in his description. Australian Museum number. E962. Condition good.

Family TRACHICHTHYIDAE

Genus *Hoplostethus* Cuv. and Val., 1829
Hoplostethus mediterraneus C. & V. var. *latus*
 McCulloch, 1914
Biol. Res. Endeavour 2(3), 3 Jul. 1914: 97
 = *Hoplostethus mediterraneus* Cuvier, 1829

Syntype: D140, spirit specimen.

Locality: Great Australian Bight, no collection date, FIS *Endeavour*.

Note: Old registration number D102, Australian Museum number E2467. Condition fair.

Order ZEIFORMES

Family Zeidae

Genus *Alloctytus* McCulloch, 1914
Alloctytus verrucosus Gilchrist var. *propinquus*
 McCulloch, 1914
Biol. Res. Endeavour 2(3), 3 Jul. 1914: 116
 = *Alloctytus verrucosus* (Gilchrist), 1906

Syntype: D146, spirit specimen.

Locality: Great Australian Bight, 14 May 1913, FIS *Endeavour*.

Note: Old registration number D32, Australian Museum number E3282. Condition good.

Order SYNGNATHIFORMES

Family SYNGNATHIDAE

Genus *Histogamphelus* McCulloch, 1914
Histogamphelus briggsii McCulloch, 1914
Aust. Zool. 1(1), 13 Jun. 1914: 29

Holotype: D141, spirit specimen.

Locality: Wineglass Bay, Tasmania, 13 Apr. 1914, E.A. Briggs.

Note: Old registration number D79. Condition fair.

Family MACRORHAMPHOSIDAE

Genus *Centriscoops* Gill, 1862

Centriscoops cristatus (?) McCulloch, 1914
Biol. Res. Endeavour 2(3), 3 Jul. 1914: 93
 = *Notopogon lillieii* Regan, 1914

Syntypes: D145 (2), spirit specimens.

Locality: Bass Strait, FIS *Endeavour*, collection date unknown.

Note: Name apparently introduced in error for *C. humerosus* McCulloch, 1911 = *N. lillieii* Regan (McCulloch 1914: 91). Old registration number D33, Australian Museum number E2145. This specimen could not be located at the time of writing.

Order SCORPAENIFORMES

Family PLATYCEPHALIDAE

Genus *Insidiator* Jordan and Snyder, 1900
Insidiator jugosus McCulloch, 1914
Biol. Res. Endeavour 2(3), 3 Jul. 1914: 144

Syntypes: D150 (2), spirit specimens.

Locality: Off Hummocky Island, Qld, 30 Jul. 1910, FIS *Endeavour*.

Note: Old registration number D36, Australian Museum number E2688. Condition good.

Order PERCIFORMES

Family CARANGIDAE

Genus *Caranx* Lacepede, 1802
Caranx humerosus McCulloch, 1915
Biol. Res. Endeavour 2, 21 Ap. 1915: 137
 = *Carangoides humerosus* (McCulloch), 1915

Syntypes: D138 (2), spirit specimens.

Locality: Off Pine Peak, Qld, 1 Aug. 1910, FIS *Endeavour*.

Note: Old registration numbers D100, D101. Australian Museum number E2821. Condition good.

Family EMMELICHTHYIDAE

Genus *Plagiogeneion* Forbes, 1890

Plagiogeneion macrolepis McCulloch, 1914
Biol. Res. Endeavour 2(3), 3 Jul. 1914: 104

Syntypes: D148, D149 (2), spirit specimens.

Locality: Great Australian Bight, FIS *Endeavour*, collection date unknown.

Note: Old registration numbers D34 (D148), D35 (D149). Australian Museum numbers E2329 (D148), E2333 (D149). Condition good.

Family PEMPHERIDAE

Genus *Pempheris* Cuvier, 1829

Pempheris elongata McCulloch, 1911

Biol. Res. Endeavour 1, 22 Dec. 1911: 47

= *Parapriacanthus elongatus* (McCulloch), 1911

Syntype: D137, spirit specimen.

Locality: Flinders Island, Bass Strait, 28 Aug. 1911, FIS Endeavour.

Note: Australian Museum number E70. Some damage to the lower jaw, condition otherwise good.

Family ODACIDAE

Genus *Olistops* Richardson, 1850

Olistops brownii Johnston, 1884

Pap. Proc. R. Soc. Tasm. 1884: viii and 193

= *Odax cyanomelas* (Richardson), 1850

Holotype: D135, spirit specimen.

Locality: Table Cape, Tasmania, Mr I. Brown, collection date unknown.

Note: Condition fair.

Family TRIPTERYGIIDAE

Genus *Forsterygion* Whitley and Phillips, 1939

Forsterygion gymnotum Scott, 1977

Pap. Proc. R. Soc. Tasm. 111: 158

Paratype: D1310, spirit specimen.

Locality: Montagu Bay, Derwent River, Tasmania, Aug. 1976, Mr T. Walker.

Note: Minor fin damage, condition otherwise fair.

Family GOBIIDAE

Genus *Gobius* Linnaeus, 1758

Gobius hinsbyi Johnston, 1903

Pap. Proc. R. Soc. Tasm., abstracts, 13 May 1903:

x, *nomen nudum*

= *Nesogobius hinsbyi* (McCulloch and Ogilby), 1919

Holotype: D142, spirit specimen.

Locality: Derwent River, Tasmania, Mr G. Hinsby, collection date unknown.

Note: Old registration number TM10934. Base of caudal fin broken, condition otherwise fair.

Family CLINIDAE

Genus *Clinus* Cuvier, 1816

Clinus johnstoni Saville-Kent, 1886

Rep. Fish. Dep., Tasm. 37, 1886: 13

= *Heteroclinus johnstoni* (Saville-Kent), 1886

Holotype: D58, spirit specimen.

Locality: Adventure Bay, Bruny Island, Tasmania, date and collector unknown.

Note: This specimen was listed as missing in 1953 and has not been found. The old registration number is given here.

Genus *Tasmanogobius* Scott, 1935

Tasmanogobius gloveri Hoese, 1991

Mem. Mus. Vict. 52(2): 364

Paratypes: D2052, D2053 (2), spirit specimens.

Locality: Green Island, southern Tasmania, 2 Jul. 1948, D.F. Turner.

Note: This type was selected from a sample originally registered as D589. Condition good.

Tasmanogobius lasti Hoese, 1991

Mem. Mus. Vict. 52(2): 366

Paratype: D2057, spirit specimen.

Locality: Derwent River, Tasmania, 7 Dec. 1960, D.F. Hoese.

Note: Condition fair.

Order PLEURONECTIFORMES

Family PLEURONECTIDAE

Genus *Taratretis* Last, 1978

Taratretis derwentensis Last, 1978

Pap. Proc. R. Soc. Tasm. 112: 23

Holotype: D1305, spirit specimen.

Paratype: D1332, spirit specimen.

Locality: Nutgrove Beach, Derwent River, Tasmania, 30 Mar. 1977, P.R. Last.

Note: Condition good.

Class REPTILIA

Order SQUAMATA

Family SCINCIDAE

Genus *Leiolopisma* Dumeril and Bibron, 1839

Leiolopisma orocryptum Hutchinson *et al.*, 1988

Proc. R. Soc. Vict. 100: 67

Holotype: C685, spirit specimen.

Paratypes: C657–C669, C670–C679, C684, C776 (23), spirit specimens.

Locality: Mt Eliza, southwestern Tasmania, 31 Jan. 1987, M. Hutchinson and T. Schwaner.

Note: Condition excellent.

Genus *Pseudemoia* Fuhn, 1967

Pseudemoia palfreymani Rawlinson, 1974

Mem. Nat. Mus. Vict. 35: 92

= *Leiolopisma palfreymani* (Rawlinson), 1974

Paratypes: C106, C285, spirit specimens.

Locality: Pedra Branca Rock, Tasmania, Jan. 1956, A. Palfreyman.

Note: Specimen C106 was originally registered as Xa42 with the locality and date given in error as "Arve Valley, Tasmania, January 1957". The same date was listed for C285 but with the locality and collector correct. Internal condition of both specimens is poor due to dehydration after death and C106 is missing part of the tail.

Class AVES
 Order PASSERIFORMES
 Family MELIPHAGIDAE
 Genus *Melithreptus* Vieillot, 1816
Melithreptus affinis (Lesson), 1839
Rev. Zool. 1839: 167

Type (?): B1252, three eggs.

Locality: Bridgewater, Tasmania, 17 Nov. 1884, Miss A. Brent.

Note: This clutch of three eggs has been labelled "type specimen" since it was received in 1884. Being the first eggs collected of the species, a detailed description was published by Campbell (1900). Although Campbell did not refer to a type, a number of early authors described specimens, which have subsequently been regarded as types, without having been designated as such by the authors.

According to the *International Code of Zoological Nomenclature*, descriptions based on parts of animals can have type status if the descriptions were published prior to 1931.

However as Lesson's description was published in 1839, the type status is dubious and is included here merely for the sake of completeness.

Class MAMMALIA
 Subclass EUTHERIA
 Order PINNIPEDIA
 Family OTARIIDAE
 Genus *Arctocephalus* Cuvier, 1824
Arctocephalus tasmanicus Lord and Scott, 1926
Pap. Proc. R. Soc. Tasm. 1926: 189
 = *Arctocephalus pusillus* (Schreber), 1776

Syntypes: 1, A808 cranium and mandible; 2, A809 cranium; 3, A810 cranium; 6, A806 cranium; 9, A807 cranium.

Localities: A808–A810, Councillor Rock, Clarke Island, Bass Strait, Aug. 1925, collector unknown. A806, North Bay, Tasman Peninsula, Tasmania, C. Lord, collection date unknown. A807, Bicheno, Tasmania, C. Lord, May 1925.

Note: Lord & Scott (1926) based their description on a series of syntypes numbered 1–10. Skins were originally associated with A808, A809 and A810 but these could not be located at the time of writing. The above specimens are all damaged. A808 and A809 are missing the rear section of the braincase, A810 has a bullet hole through the braincase, A806 and A807 are missing the teeth. Old registration numbers D751 (A808), D752 (A809), D753 (A810), D737 (A806), D746 (A807). Syntype numbers 4, 5, 7, 8 and 10 are held by the Queen Victoria Museum and Art Gallery, Launceston (see Green 1974).

REFERENCES

- ANDREWS, A.P., 1971: A catalogue of the type material (fishes) in the Tasmanian Museum. *Pap. Proc. R. Soc. Tasm.* 105: 1–3.
 ANDREWS, A.P., 1976: A revision of the Family Galaxiidae (Pisces) in Tasmania. *Aust. J. Mar. Freshw. Res.* 27: 297–349.
 CAMPBELL, A.J., 1900: *NESTS AND EGGS OF AUSTRALIAN BIRDS*. Pawson and Brailsford, Sheffield: 366 pp.
 FULTON, W., 1990: *TASMANIAN FRESHWATER FISHES. Fauna of Tasmania Handbook* 7. University of Tasmania, Hobart: 80 pp.
 GREEN, R.H., 1974: A catalogue of the type material in the Queen Victoria Museum, Launceston. *Rec. Q. Vict. Mus.* 52: 1–15.
 LORD, C. & SCOTT, H.H., 1926: Studies in Tasmanian mammals, living and extinct, 4, the eared seals of Tasmania, 2. *Pap. Proc. R. Soc. Tasm.*: 187–194.
 MCCULLOCH, A.R., 1914: Report on some fishes obtained by the FIS *Endeavour* on the coasts of Queensland, New South Wales, Victoria, Tasmania, South Australia and South Western Australia. *Biol. Res. Endeavour* 2(3): 77–165.

(accepted 7 February 1992)