

# NOTES

## ON THE

# FAUNA OF TASMANIA.

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THE following remarks suggested themselves to the writer, after examination of a magnificent series of specimens of Natural History, collected in Tasmania by Mr. George Masters, assistant curator of the Australian Museum, Sydney, who visited Tasmania about a year ago, on behalf of the Trustees of that institution.

It will be observed that, excepting some of the Whales, specimens of all the Mammals known to exist in the island were brought together, not only their skins but also a fine series of skeletons, and young from the pouch, besides a large number of skulls, proving the existence of another species of Thylacine.

The following is a list of the Mammals collected:—

### PLACENTALIA,

Producing their young in a perfect state and having no pouch or skin-fold for their protection:—

1. *Canis dingo* ..... The Dingo (now extinct).
2. *Arctocephalus lobatus* ..... The Cowled Seal.
3. *Stenorhynchus leptonyx* ..... Sea Leopard
4. *Vespertilio tasmaniensis* ..... Tasmanian Bat
5. *Scotophilus microdon* ..... Small-toothed Bat.
6. *Nyctophilus unicolor* ..... Long-eared Bat.
7. *Hydromys chrysogaster* ..... Golden-bellied Beaver Rat.
8. *Mus tasmaniensis* —(Kr.) a new species of land-rat discovered by Mr. George Masters, on the banks of the Ouse River. Except this rat, all the animals mentioned are also found in Victoria and New South Wales.

### IMPLACENTALIA.

Producing their young in a very imperfect state and having a pouch or skin-fold for their protection.

#### Section I.—*Marsupialia*.

#### WOMBAT FAMILY.

*Phascolomys wombat* ..... The Tasmanian Wombat.



## KANGAROO FAMILY.

<i>Halmaturus bennettii</i> .....	Bennett's Kangaroo.
<i>Halmaturus billardieri</i> .....	Tasmanian Wallaby.
<i>Macropus major</i> .....	Great or Common Kangaroo.
<i>Bettongia cuniculus</i> .....	Tasmanian Bettong
<i>Hypsiprymnus apicalis</i> .....	Tasmanian Rat-Kangaroo.

## BANDICOOT FAMILY.

<i>Perameles gunnii</i> .....	Gunn's Perameles.
<i>Perameles obesula</i> .....	

## PHALANGER FAMILY.

<i>Phalangista fuliginosa</i> .....	Black or Sooty Opossum.
<i>Phalangista vulpina</i> .....	Common Opossum.
<i>Phalangista viverrina</i> .....	Ring-tail Opossum.
<i>Dromicia gliriformis</i> .....	Thick-tailed Dromicia.

## DASYURE FAMILY.

<i>Antechinus swainsonii</i> .....	Swainson's Antechinus.
<i>Dasyurus viverrinus</i> .....	Common Dasyure or Native-Cat.
<i>Dasyurus maculatus</i> .....	Spotted-tailed Dasyure or Tiger-Cat.
<i>Sarcophilus ursinus</i> .....	Tasmanian Devil, }
<i>Thylacinus cynocephalus</i> ...	Tasmanian Tiger, } (fossil in N.S. Wales.)

Section II.—*Monotremata*.

<i>Ornithorhynchus anatinus</i> ...	Duck-billed Platypus.
<i>Echidna setosa</i> .....	Hairy Echidna.

A second species of Thylacine recently obtained by Mr. Masters, and which I have described in the Proceedings of the Zoological Society of London as *Thylacinus breviceps*, must be added to this list.

This is a smaller animal with a shorter head, and much larger teeth than the *T. cynocephalus*, and was well known to many of the old residents of Van Diemen's Land who distinguished the two kinds, so Mr. Masters assures me, by the popular names of Grey-hound and Bull-dog Tigers.

Peculiar to the island are the following mammals :—

The Tasmanian Wombat.  
 Bennett's Kangaroo.  
 The Tasmanian Rat Kangaroo  
 Gunn's Bandicoot.  
 The Sooty Phalanger.  
 Thick-tailed Dromicia.  
 The Tasmanian "Devil"  
 The Two "Tigers"; and  
 The Hairy Echidna or Porcupine Anteater.

With the exception of the "Devil" and "Tigers" all have closely allied representatives on the mainland.



A colder climate always modifies species more or less, and we find the Mammals of Tasmania generally more robust, of larger size, and provided with thicker and darker fur, than those inhabiting New Holland. In the structure, however, of the skull and teeth, but little difference (except in size), is observable in Tasmanian specimens when compared with continental ones. Comparing the fauna of Tasmania with that of the Australian mainland, we arrive at the following result

The Dingo is extinct,—the Seals and Whales are the same as on our own coast. The insect fauna of the island not being very rich, there are but few insect-feeding bats, three species only are known to our twenty or more *Cheiroptera*. For similar reasons (the absence of indigenous fruits) no Flying-foxes occur, though if these marauders once found out the richness of Tasmanian plantations, they would soon wing their way across the Straits.

The peculiar Australian Rodent, the Water-rat, or Beaver-rat, is represented by a single species to five on the mainland. Some four or five and twenty other rats and mice are known to inhabit Australia, and only one kind Tasmania. The marsupial order is richer, but here again many species common to our south coast are missing. There are but three *Halmaturi*, while some forty species inhabit the continent.

Our ten or twelve "Kangaroo-Rats" and "Bettongs," have two representatives in Tasmania, both of which, curious to say, resemble in a most remarkable degree two West Australian species, so much so, that the one can only be distinguished from the other by a close comparison of their skeletons.

One would naturally conclude that a mountainous island like Tasmania, would be the very paradise of "Rock-Wallabies," but none are found there. The absence of the "Koala," or Native Bear, and of all the species of "Flying Phalangers," common in Victoria, is also unaccountable, the more so as the allied "Phalangers," better known as "Brush and Ring-tail Opossums," which subsist on similar food and live in the same forests, thrive well, and attain a great size in that Island.

The small marsupial insectivora allied to the genera *Podabrus* and *Antechinus*, are represented in the latter by a single species, though probably a second kind exists, as I received a new form from one of the islands of Bass's Straits, not long ago, which is perhaps also found in Tasmania.

The predominance of the large carnivora over all other animals, is most likely the cause of so limited a number of



species; it is highly probable that many more kinds of Kangaroos once existed, and that they have been exterminated by the ferocious "Tigers" and "Devils" still plentiful in some of the wild districts; if so, their remains will tell whenever the bone-caverns are explored.

The monotremous section of the *Implacentalia* is represented as in Australia by the well known Platypus, and by an Echidna or Ant-eater which appears to differ from our own in nothing but the shorter spines and more hairy fur.

The birds observed amount to one hundred and sixty-two species as follows:—

## ORDER—RAPTORES.

### FAMILY FALCONIDÆ.

<i>Aquila audax</i> .....	Eagle Hawk.
<i>Ichthyiaëtus leucogaster</i> .....	White-bellied Sea Eagle.
<i>Pandion leucocephalus</i> .....	White-headed Osprey.
<i>Falco melanogenys</i> .....	Black-cheeked Falcon.
<i>Falco lunulatus</i> .....	White-fronted Falcon.
<i>Ieracidea berigora</i> .....	Brown Hawk.
<i>Astur novæ hollandiæ</i> .....	New Holland Goshawk.
<i>Astur approximans</i> .....	Australian Goshawk.
<i>Accipiter torquatus</i> .....	Collared Sparrowhawk.
<i>Circus assimilis</i> .....	Allied Harrier.

### FAMILY STRIGIDÆ.

<i>Strix castanops</i> .....	Chestnut-faced owl.
<i>Athene maculata</i> .....	Spotted Owl.

## ORDER—INSÉSORES.

### FAMILY CAPRIMULGIDÆ.

<i>Ægotheles novæ-hollandiæ</i> .....	Little Morepork.
<i>Podargus curvieri</i> .....	Morepork.

### FAMILY HIRUNDINIDÆ.

<i>Acanthylis caudacuta</i> .....	Spine-tailed Swallow.
<i>Hirundo frontalis</i> .....	Welcome Swallow.
<i>Collocalia arborea</i> .....	Tree Swallow.

### FAMILY ALCEDINIDÆ.

<i>Alcyone diemenensis</i> .....	Tasmanian Kingfisher.
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### FAMILY ARTAMIDÆ.

<i>Artamus sordidus</i> .....	Wood Swallow.
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## FAMILY AMPELIDÆ.

<i>Pardalotus punctatus</i> .....	Diamond-bird.
<i>Pardalotus affinis</i> .....	Allied Diamond-bird.
<i>Pardalotus quadragintus</i> .....	Forty Spotted Pardolote.

## FAMILY LANIADÆ.

<i>Strepera fuliginosa</i> .....	Sooty Crow-Shrike.
<i>Strepera arguta</i> .....	Hill Crow-Shrike.
<i>Gymnorhina organicum</i> .....	Tasmanian Crow-Shrike.
<i>Cracticus cinereus</i> .....	Cinereous Crow-shrike.

## FAMILY CAMPEPHAGINÆ.

<i>Graucalus parvirostris</i> .....	Tasmanian Graucalus.
<i>Pachycephala graucalus</i> .....	Grey-tailed Thickhead.
<i>Pachycephala olivacea</i> .....	Native Thrush.
<i>Colluricincla selbii</i> .....	Whistling Dick.

## FAMILY MUSCICAPIDÆ.

<i>Rhipidura albiscapa</i> .....	White-shafted Fantail.
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## FAMILY SAXICOLIDÆ.

<i>Erythrodryas rhodinogaster</i> .....	Pink-breasted Wood Robin
<i>Petroica multicolor</i> .....	Scarlet-breasted Robin.
<i>Petroica phænicea</i> .....	Flame-breasted Robin
<i>Petroica fusca</i> .....	Dusky Robin.

## FAMILY MALURIDÆ.

<i>Malurus longicaudus</i> .....	Blue Wren.
<i>Stipiturus malachurus</i> .....	Emu Wren.
<i>Sericornis humilis</i> .....	Sombre Sericornis.
<i>Acanthiza diemenensis</i> .....	Tasmanian Acanthiza.
<i>Acanthiza magna</i> .....	Great Acanthiza.
<i>Acanthiza chrysorrhœa</i> .....	Yellow-rumped Acanthiza.
<i>Calamanthus fuliginosus</i> .....	Striated Calamanthus.

## FAMILY MOTACILLIDÆ.

<i>Anthus australis</i> .....	Australian Pipit.
<i>Sphenæacus gramineus</i> .....	Tawny Grass-bird.

## FAMILY FRINGILLIDÆ.

<i>Estrela bella</i> .....	Fire-tail.
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## FAMILY MERULIDÆ.

<i>Cinclosoma punctata</i> .....	Spotted Ground Thrush.
<i>Oreocincla lunulata</i> .....	Mountain Thrush.

## FAMILY CORVIDÆ.

<i>Corvus australis</i> .....	White-eyed Crow.
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## FAMILY MELIPHAGIDÆ.

<i>Meliphaga novæ hollandiæ</i> .....	New Holland Honey-eater.
<i>Meliphaga australasiana</i> .....	Tasmanian Honey-eater.
<i>Glyciphila fulvifrons</i> .....	Fulvus-fronted Honey-eater.
<i>Ptilotis flavigula</i> .....	Yellow-throated Honey-eater.
<i>Anthochæra inauris</i> .....	Wattle-bird.
<i>Anthochæra mellivora</i> .....	Brush Wattle-bird
<i>Acanthorhynchus tenuirostris</i> .....	Cobbler's Awl.
<i>Melithreptus validirostris</i> .....	{ Strong-billed Honey-eater, or Cherry-picker.
<i>Melithreptus melanocephalus</i> .....	
<i>Myzantha garrula</i> .....	Miner.
<i>Zosterops cærulescens</i> .....	Grey-backed Zosterops.

## FAMILY CUCULIDÆ.

<i>Cuculus inornatus</i> .....	Plain Cuckoo.
<i>Cuculus cineraceus</i> .....	Grey Cuckoo.
<i>Chrysococcyx lucidus</i> .....	Bronze Cuckoo.

## FAMILY PSITTACIDÆ.

<i>Cacatua galerita</i> .....	Common Cockatoo.
<i>Calyptrorhynchus xanthonotus</i> .....	Black Cockatoo.
<i>Callocephalon galeatum</i> .....	Gang Gang Cockatoo.
<i>Platycercus flaviventris</i> .....	Green Parrott.
<i>Platycercus eximius</i> .....	Rose Hill Parrakeet or Rosella
<i>Euphema chrysostoma</i> .....	Blue-banded Grass-Parrakeet.
<i>Euphema aurantia</i> .....	Orange bellied Grass-Parrakeet
<i>Pezoporus formosus</i> .....	Swamp Parrakeet.
<i>Lathamus discolor</i> .....	Swift Parrakeet.
<i>Trichoglossus swainsonii</i> .....	Blue Mountain Parrakeet.
<i>Trichoglossus concinnus</i> .....	Musk Parrakeet.
<i>Trichoglossus pusillus</i> .....	Small Parrakeet.

## O R D E R—R A S O R E S.

## FAMILY COLUMBIDÆ.

<i>Phaps chalcoptera</i> .....	Common Bronze-wing.
<i>Phaps elegans</i> .....	Brush Bronze-wing.

## FAMILY TURNICIDÆ.

<i>Turnix varius</i> .....	Painted Quail.
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## FAMILY PERDICIDÆ.

<i>Coturnix pectoralis</i> .....	Pectoral Quail, Stubble Quail.
<i>Synoicus australis</i> .....	Brown Quail.
<i>Synoicus diemenensis</i> .....	Tasmanian Partridge.



## ORDER—G R A L L A T O R E S.

## FAMILY STRUTHIONIDÆ.

<i>Dromaius novæ hollandiæ</i> .....	{ Emu, extinct; no specimens having been observed for thirty years.

## FAMILY CHARADRIADÆ.

<i>Hæmatopus longirostris</i> .....	White-breasted Oyster-catcher
<i>Hæmatopus fuliginosus</i> .....	Black Oyster-catcher.
<i>Sarciaphorus pectoralis</i> .....	Black-breasted Plover.
<i>Squatarola helvetica</i> .....	Grey Plover, or Sand Piper.
<i>Charadrius orientalis</i> .....	Golden Plover.
<i>Hiaticula monacha</i> .....	Hooded Dottrel.
<i>Hiaticula ruficapilla</i> .....	Red-capped Dottrel.
<i>Hiaticula inornata</i> .....	Allied Dottrel.
<i>Hiaticula bicincta</i> .....	Double-banded Dottrel.

## FAMILY RECURVIROSTRIDÆ.

<i>Recurvirostra rubricollis</i> .....	Red-necked Avocet.
<i>Limosa uropygialis</i> .....	Barred-rumped Godwit.

## FAMILY TRINGIDÆ.

<i>Schæniclus australis</i> .....	Marsh Tringa.
<i>Schæniclus subtorquatus</i> .....	Curlew Sandpiper.
<i>Schæniclus albescens</i> .....	Little Sandpiper.
<i>Streptelas interpres</i> .....	Turnstone.

## FAMILY SCOLOPACIDÆ.

<i>Gallinago australis</i> .....	New Holland Snipe.
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## FAMILY TANTALIDÆ.

<i>Numenius australis</i> .....	Australian Curlew.
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## FAMILY ARDEIDÆ.

<i>Ardea novæ-hollandiæ</i> .....	Blue crane.
<i>Botaurus australis</i> .....	Australian Bittern.

## FAMILY RALLIDÆ.

<i>Porphyrio melanotus</i> .....	Red bill.
<i>Tribonyx mortierii</i> .....	Native Hen.
<i>Rallus lewinii</i> .....	Lewin's Rail.
<i>Rallus pectoralis</i> .....	
<i>Porzana fluminea</i> .....	Spotted Water Crake.
<i>Porzana palustris</i> .....	Little Water Crake.
<i>Porzana immaculata</i> .....	Little Swamp Hen



## O R D E R—N A T A T O R E S.

## FAMILY ANATIDÆ.

<i>Cygnus atratus</i> .....	Black Swan.
<i>Cereopsis novæ-hollandiæ</i> .....	Cape Barren Goose.
<i>Casarca tadornoides</i> .....	Mountain Duck.
<i>Anas superciliosa</i> .....	Black Duck.
<i>Anas punctata</i> .....	Teal.
<i>Spatula rhynchotis</i> .....	Shoveller.
<i>Malarcorhynchus membranaceus</i> ..	Pink-eyed Duck.
<i>Nyroca australis</i> .....	White-winged Duck.
<i>Biziura lobata</i> .....	Musk Duck.

## FAMILY LARIDÆ.

<i>Larus pacificus</i> .....	Pacific Gull.
<i>Xema jamesonii</i> .....	Jameson's Gull.
<i>Lestris cattarectes</i> .....	Skua Gull.
<i>Sylochelidon strenuus</i> .....	Caspian Tern.
<i>Thalasseus poliocercus</i> .....	Bass's Straits Tern.
<i>Sterna gracilis</i> .....	Graceful Tern.
<i>Sternula nereis</i> .....	Little Tern.

## FAMILY PROCELLARIDÆ.

<i>Diomedea exulans</i> .....	Wandering Albatros.
<i>Diomedea cauta</i> .....	Shy Albatros.
<i>Diomedea culminata</i> .....	Culminated Albatros.
<i>Diomedea chlororhynchos</i> .....	Yellow-nosed Albatros.
<i>Diomedea melanophrys</i> .....	Black-eyebrowed Albatros.
<i>Diomedea fuliginosa</i> .....	Sooty Albatros.
<i>Procellaria gigantea</i> .....	Giant Petrel.
<i>Procellaria conspicillata</i> .....	Spectacled Petrel.
<i>Procellaria hasitata</i> .....	Great Grey Petrel.
<i>Procellaria macroptera</i> .....	Great Winged Petrel.
<i>Procellaria atlantica</i> .....	Atlantic Petrel.
<i>Procellaria solanderii</i> .....	Solander's Petrel.
<i>Procellaria leucocephala</i> .....	White-headed Petrel.
<i>Procellaria mollis</i> .....	Soft-plumaged Petrel.
<i>Procellaria leucoptera</i> .....	White-winged Petrel.
<i>Procellaria cookii</i> .....	Cook's Petrel.
<i>Procellaria cærulea</i> .....	Blue Petrel.
<i>Procellaria glacialisoides</i> .....	Silvery-grey Petrel.
<i>Puffinus brevicaudatus</i> .....	Short-tailed Petrel.
<i>Daption capensis</i> .....	Cape Pigeon.



<i>Prion turtur</i> .....	Whale Bird.
<i>Prion ariel</i> .....	Fairy Whale Bird.
<i>Prion banksii</i> .....	Bank's Whale Bird.
<i>Prion vittatus</i> .....	Broad-billed Whale Bird.
<i>Thalassidroma nereis</i> .....	Grey-backed Storm Petrel.
<i>Thalassidroma wilsonii</i> .....	Wilson's Storm Petrel.
<i>Thalassidroma melanogaster</i> .....	Black-bellied Storm Petrel.
<i>Thalassidroma leucogaster</i> .....	White-bellied Storm Petrel.
<i>Puffinuria urinatrix</i> .....	Diving Petrel.

## FAMILY PELILICANIDÆ.

<i>Pelecanus conspicillatus</i> .....	Australian Pelican.
<i>Phalacrocorax novæ-hollandiæ</i> ...	Australian Cormorant.
<i>Phalacrocorax leucogaster</i> .....	White-breasted Cormorant.
<i>Phalacrocorax melanoleucus</i> .....	Little Cormorant.
<i>Sula australis</i> .....	Australian Gannet.

## FAMILY PODICIPIDÆ.

<i>Podiceps australis</i> .....	Diver.
<i>Podiceps poliocephalus</i> .....	Grey-headed Diver.
<i>Podiceps gularis</i> .....	Black-throated Diver.

## FAMILY SPHENISCIDÆ.

<i>Eudyptes chrysocome</i> .....	Crested Penguin.
<i>Spheniscus minor</i> .....	Little Penguin.
<i>Spheniscus undina</i> .....	Fairy Penguin.

Of the above list, forty-three are roaming sea birds, only twenty-six kinds are peculiar to the island, and six of these are very doubtful species, so that we cannot put down more than twenty birds, so limited in their habitat.

The most interesting of them are the large Gill-bird *Anthochaera inauris*; the Tasmanian Parrakeet, *Platycercus flavi-ventris*; the large Quail, *Synoicus dimenensis*; and the great Water-hen, *Tribonyx mortierii*.

The reptiles, as might be expected from a cold climate, are few in number. I do not think that Tasmania furnishes more than two or three species to the Australian fauna. The well known *Hinulia whiteii*, the peculiar *Omolepida casuarinæ*, a *Grammatophora*, two small species of *Hinuliæ*, and a *Cyclodus* (*Cyclodus nigroluteus*), allied to our "Sleeping Lizard," are all the saurians known to exist there.

No tortoise inhabits the Tasmanian streams. Snakes abound, but the number of species is limited to two highly venomous



kinds, and a small one, venomous but not dangerous. Not a single innocuous snake has as yet been discovered.

All the snakes belong to the peculiar Australian genus *Hoplocephalus*, and are local varieties of continental forms. They go under different names in Tasmania however, such as "Black Snake," "Carpet Snake," and "Diamond Snake."

The first two are varieties of our "Brown-banded Snake," *Hoplocephalus curtus*, and named "Black Snake" if of a dark color; and "Carpet Snake," if light, with the cross-bands visible. The Museum is indebted to Mr. Masters for a fine series of both, and having taken thirty-five young (some black, and some with visible cross-bands) from the same mother, the identity of both is sufficiently proved.

The term "Carpet Snake" is not well chosen, and leads to frequent mistakes here and in Tasmania, as our own "Carpet Snake" (*Morelia variegata*), belongs to the Python tribe and is not venomous.

The second dangerous snake is *Hoplocephalus superbis*, the "Tiger Snake" of Victoria, known to Tasmanians as the "Diamond Snake," another popular name which leads to confusion if we bear in mind that the "Diamond Snake" (*Morelia spilotes*) of the south-eastern coast of New South Wales is a member of the Python family and harmless.

The third venomous snake is the *Hoplocephalus coronoides*, or "Black-bellied Snake," of small size and wide range. This snake, even when handled, seldom, if ever, offers to bite, and the wound caused by it is not as bad as the sting of a bee.

Two other small snakes (*Brachysoma bimaculatum* and *B. calanotos*), discovered by Mons. Verreaux in 1844, are mentioned by Messrs. Dume  l and Bibron, as inhabitants of Tasmania; since then no more specimens have come to hand from the same locality, and we may fairly conclude that the habitat given by M. Verreaux is erroneous.

The Tasmanian frogs are also few in number. The *Hyl  *, or "Tree Frogs," represent three species, viz., the common "Golden Tree Frog," *Hyla aurea*; "Ewing's Tree Frog," *Hyla ewingii*; and a kind, which I consider to be identical with *Hyla verreauxii*, all of which are common on the mainland of Australia. Of Swamp-frogs, we find the widely distributed *Limnodynastes tasmaniensis*, a *Pseudophryne* discovered by Mr. Masters, and probably new, *Pterophrynus tasmaniensis* and *P. l  vis*, the two latter much infected by the larv   of a small fly of the Genus *Batrachyomya* (Macleay), which insects are also found on allied species in Australia.



These are all the species of frogs known from Tasmania, up to the present time.

The fishes, such as inhabit fresh water only, are also limited. No *Eleotris*, known here as the "Gudgeon," is as yet recorded, though the genus exists in Australia, New Zealand, and South America; of the *Galaxidæ*, the so-called "Black-fish," appears to be most common in the Tasmanian streams; this is Richardson's *Galaxias truttaceus*; we also have specimens of the *Galaxias attenuatus*, from the Ouse River, collected by Mr. Masters; the "Common Eel," *Anquilla australis*, and the well known "Fresh-water Herring," *Proto-troctes maræna*. I wish I could have added the Salmon, but at present no authenticated specimens exist in any of our colonial museums. Competent judges state that the Salmon has been duly acclimatized, and has been frequently observed in the Derwent, it is therefore much to be regretted, that no specimen has yet been caught, if only to prove beyond doubt the success of one of the greatest experiments of modern times.

In summing up the whole Vertebrata of the island, leaving out the extinct Dingo, Seals, Whales, and Marine fish, we find there are

27	Mammals
162	Birds
6	Lizards
3	Snakes
7	Frogs, and
4	Fresh-water Fishes.

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Together 209 Vertebrata

about thirty-seven of which may be considered peculiar to Tasmania.

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The Invertebrata were collected to the number of more than one thousand species, that is to say, of the class Insecta, nine hundred and fifty species, and ninety-eight of the class Mollusca; twenty-one of the latter are Land-shells, and nearly all peculiar to Tasmania. The insects appear, with few exceptions, to be identical with Australian species.

The following is a list of the Invertebrata:—

## CLASS INSECTA.

### ORDER—COLEOPTERA.

640 species, and 7662 specimens.



## ORDER—DIURNAL LEPIDOPTERA.

*Papilio macleayanus*.

*Pyrameis itea*.

*Pyrameis cardui*.

*Junonia vellida*.

*Lasiommata merope*.

*Lasiommata philerope*.

*Lasiommata singa*.

*Lasiommata lathoniella*.

*Lasiommata hobartia*.

*Satyrus* (one very rare species).

*Lycæna* (four species).

*Pamphila* (two species.)

Together sixteen species of Lepidoptera.

## ORDER—HYMENOPTERA.

90 species and 478 specimens.

## ORDER—DIPTERA.

86 species and 689 specimens.

## ORDER—NEUROPTERA, ORTHOPTERA, &amp;c.

14 species.

## ORDER—HEMIPTERA.

70 species and 394 specimens.

## ORDER—HOMOPTERA.

34 species and 137 specimens.

## CLASS MOLLUSCA.

98 species and 960 specimens, whereof the following are Land shells, and, except *Helix morti*, are all peculiar to Tasmania.

*Helix minima* (Cox)

*Helix subangulata* (Pfr.)

*Helix bombycina* (Pfr.)

*Helix diemenensis* (Cox)

*Helix morti* (Cox)

*Helix tasmanicæ* (Cox)

*Helix hobarti* (Cox)

*Helix legrandi* (Cox)



*Helix similis* (Cox)  
*Helix lampra* (Pfr.)  
*Helix lamproides* (Cox)  
*Helix wellingtonensis* (Cox)  
*Helix launcestonensis* (Reeve)  
*Helix bisulcata* (Pfr.)  
*Helix sinclairei* (Pfr.)  
*Helix hamiltoni* (Cox)  
*Bulimus dufresnii* (Leach)  
*Bulimus tasmanicus* (Pfr.)  
*Vitrina milligani* (Pfr.)  
*Vitrina verreauxi* (Pfr.)  
*Succinea australis* (Fer.)

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Krefft, Johan Ludwig Gerhard. 1868. "Appendix: Notes on the Fauna of Tasmania." *Papers and proceedings of the Royal Society of Tasmania* 93–105.

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