

A LIST OF THE FISHES OF TASMANIA.

BY CLIVE LORD, F.L.S.,

Director of the Tasmanian Museum.

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The necessity for a revised list of the fishes of Tasmania has long been apparent. Owing to the recent publication of "A Check List of the Fishes and Fish-like Animals of New South Wales" by Mr. Allan R. McCulloch, of the Australian Museum, and a "Catalogue of the Fishes of South Australia." by Mr. Edgar R. Waite, F.L.S., Director of the South Australian Museum, the present compilation has been considerably simplified, as the fishes of our Island State have much in common with those of South-East Australian seas.

The present list is merely an outline, and is offered as a basis for future work in the hope that a detailed check-list may be prepared in the near future. There are doubtless many species which have not been recorded from our waters, owing to the fact that so little detailed investigation work has been carried out. Since the publication of the late R. M. Johnston's lists in the Papers and Proceedings of the Royal Society of Tasmania of 1882 and 1890 our knowledge of the marine fauna of Tasmania has been considerably advanced. The work carried out by the Federal Trawler *Endeavour* was of great benefit, and it is to be deeply regretted that the vessel and those who were on board during the fatal voyage to Macquarie Island came to such an untimely end.

In regard to the previous lists of Tasmanian fish it may be noted that later investigation has shown that several species described as new by Johnston and other authorities have merged into the synonymy of previously described species, but it is not possible within the limits of the present paper to record the details of such cases.

Apart from necessary collecting work and the examination of a large number of museum specimens, the work of previous investigators has greatly assisted in the compilation of the present list, and in addition the published results of the *Endeavour's* investigations have been availed of. The compiler also desires to express his special thanks to Mr. Allan R. McCulloch, of the Australian

Museum, as it is largely due to his kindly personal assistance that the compilation of the present list has been made possible.

Subphylum CEPHALOCHORDATA.

Family BRANCHIOSTOMIDÆ.

Epigonichthys bassanus, Gunther.—The Lancelet.

Subphylum CRANIATA.

Class CYCLOSTOMATA.

Family MORDACIDÆ.

Mordacia mordax, Rich.—Short-headed Lamprey.

Geotria australis, Gray.—Pouched Lamprey.

Class ELASMOBRANCHI.

Order SELACHII.—Sharks.

Family HEXANCHIDÆ.

Notorhynchus pectorosus, Garman. — Seven-gilled Shark.

Heprtrunchias perlo, Bonn.—One-finned Shark.

Family HETERODONTIDÆ.

Heterodontus philippi, B. & S.—Bull-headed Shark (Port Jackson Shark).

Gypropleurodus galeatus, Gunther.—Crested-headed Shark. (Crested Port Jackson Shark.)

Family CARCHARIINIDÆ.

Prionace glauca, Linn.—Blue Shark.

Galeorhinus australis, Macleay.—School Shark.

Family MUSTELIDÆ.

Mustelus antarcticus, Gunther.—Gummy Shark.

Family SPHYRNIDÆ.

Sphyrna zyggæna, Linn.—Hammer-headed Shark.

Family ORECTOLOBIDÆ.

Orectolobus mucronatus, Bonn.—Wobbegong.

Parascyllium collaræ, Rams. and Ogl.—Collared Cat Shark.

Parascyllium variolatum, Dum.—Varied Cat Shark.

Family SCYLLIORHINIDÆ.

Halargurnus analis, Ogilby.—Spotted Cat Shark.

Cephaloscyllium isabella, Dumeril.—Swell Shark.

Family ALOPHIDÆ.

Alopias vulpinus, Bonn.—Thresher Shark.

Family CARCHARIIDÆ.

Carcharius arenarius, Ogilby.—Long-toothed Shark.

Family ISURIDÆ.

Isurus glaucus, M. & H.—Blue Pointer.

Family SQUALIDÆ.

Squalus megalops, Macleay.—Piked Dog Fish

Squalus fernandinus, Molina.—Spotted Dog Fish.

Oxynotus brunicensis, Ogilby.—Prickly Dog Fish.

Family PRISTIOPHORIDÆ.

Pristiophorus cirratus, Latham.—Saw Shark.

Pristiophorus nudipinnis, Gunther.—Saw Shark.

Family SQUATINIDÆ.

Squatina australis, Regan.—Angel Shark.

Order BATOIDEI.—Rays.

Family RHINOBATIDÆ.

Trygonorrhina fasciata, M. & H.—Fiddler.

Family NARCOBATIDÆ.

Nurcine tasmaniensis, Rich.—Tasmanian Numbfish.

Family RAJIDÆ.

Raja nitida, Gunther.—Rough-backed Skate.

Raja lemprieri, Rich.—Thorn-back Skate.

Family DASYATIDÆ.

Dasyatis brevicaudatus, Hutton.—Short-tailed Stingaree.

Urolophus cruciatus, Lacep.—Banded Stingaree.

Urolophus viridis, McCulloch.—Green-backed Stingaree.

Urolophus bucculentus, Macleay.—Sandy-backed Stingaree.

Family MYLIOBATIDÆ.

Myliobatis australis, Macleay.—Eagle or Whiptail Ray.

Order HOLOCEPHALI.—Ghost Sharks, Etc.

Family CHIMÆRIDÆ.

Chimæra ogilbyi, Waite.—Ghost Shark.

Family CALLORHYNCHIDÆ.

Callorhynchus millii, Bory.—The Elephant Fish.

Class PICES.

Sub-Class Teleostii.—Bony Fishes.

Order ISOSPONDYLI.—Herrings and Trout-like Fish.

Family ENGRAULIDÆ.

Engraulis australis, Shaw.—Australian Anchovy.

Family CLUPEIDÆ

Clupea bassensis, McCull.—Australian Sprat.

Stolephorus robustus, Ogilby.—Blue Sprat.

Sardinia neopilchardus, Steidachner.—Australian Pilchard.

Family GONORHYNCHIDÆ.

Gonorhynchus greyi, Rich.—Beaked Salmon.

Family GALAXIIDÆ.

Galaxias attenuatus, Jenys.—Jollytail.

Galaxias weedoni, Johnston.—The Mersey Jollytail.

Galaxias truttaceus, Cuv. and Val.—Spotted Mountain Trout.

Galaxias auratus, Johnston.—Lake Trout.

Family SALMONIDÆ.

Introduced species of *Salmonidæ*.

Salmo salar, Linn.—Salmon.

Salmo fario, Linn.—Brown Trout.

Salmo iridens, Gibbons.—Rainbow Trout.

Salmo levenensis.—Loch Leven Trout.

Salmo trutta.—Salmon Trout.

Salmo frontalis.—American Brook Trout.

Salmo sebago.—Sebago Salmon.

Onchorhynchus nerka.—Sockeyed Salmon.

Onchorhynchus quinnat.—Quinnat Salmon.

Family ARGENTINIDÆ.

Argentina elongata, Hutton.—Siel Smelt.

Family APLOCHITONIDÆ.

Prototroctes marana, Gunther.—Australian Grayling ("Cucumber Herring").

Loeattia scalii, Johnston.

Family RETROPINNIDÆ.

Retropinna tasmanica, McCulloch.—Tasmanian Smelt ("Whitebait").

Order INIOMI.—Cucumber Fish, Etc.

Family SUDIDÆ.

Chlorophthalmus nigripinnis, Gunther.—Cucumber Fish.

Family ALEPISAUROIDÆ.

Alepisaurus ferox, Lowe.—Lancet Fish.

Order OSTARIOPHYSI (Introduced).

Family CYPRINIDÆ.

Carassius carassius, Linn.—European Carp. (Intro.)

Carassius auratus, Linn.—Gold Fish. (Intro.)

Tinca tinca, Linn.—English Tench. (Intro.)

Order SYMBRANCHII.—Pigmy Eels.

Family CHEILOBRANCHIDÆ.

Cheilobranchus rufus, Macleay.—Red-banded Shore Eel.

Cheilobranchus dorsalis, Rich.—Striped Brown Eel.

Order APODES.—Eels.

Family ANGUILLIDÆ.

Anguilla australis, Rich.—Short-finned Eel.

Anguilla reinhardtii, Stdr.—Long-finned Eel.

Family LEPTOCEPHALIDÆ.

Leptocephalus conger, Linn.—Common Conger Eel.

Leptocephalus wilsoni, Castel.—Conger Eel.

Congermyxa habenata, Rich.—Little Conger Eel (Silver Eel of Tasmania).

Family ECHELIDÆ.

Murænichthys tasmaniensis, McCull.—Tasmanian Worm Eel.

Murænichthys breviceps, Gunther.—Short-headed Eel.

Family OPHICHTHYIDÆ.

Ophisurus serpens, Linn.—Snake Eel.

Order SOLENICHTHYES.—Bellows Fish. Pipe Fish. Etc.

Family MACRORHAMPHOSIDÆ.

Macrorhamphosus elevatus, Waite.—Bellows Fish.

Centriscoops humerosus, Rich.—Bellows Fish.

Notopogon lillici, Regan.—Bellows Fish.

Family LAMPRIDIDÆ.

Lampris lunus.—Opah.

Family SYNGNATHIDÆ.

Corythoichthys phillipi, Lucas.—Pipe Fish.

Urocampus carinirostris, Castelnau.—Pipe Fish.

Stigmatopora argus, Rich.—Pipe Fish.

Stigmatopora nigra, Kaup.—Pipe Fish.

Leptonotus semistriatus, Kaup.—Pipe Fish.

Solegnathus spinosissimus, Gunther.—Pipe Fish.

Solegnathus fasciatus, Gunther.—Sea Horse.

Histiogomphelus beiggisi, McCulloch.

Phyllopteryx foliatus, Shaw.—Leafy Sea Horse.

Hippocampus abdominalis, Lesson.—Sea Horse.

Hippocampus breviceps, Peters.—Sea Horse.

Order HYPOSTOMIDES.—Dragon Fish.

Family PEGASIDÆ.

Acanthopegasus lancifer, Kaup.—Dragon Fish.

Order SYNENTOGNATHI.—Garfish, Etc.

Family HEMIRHAMPHIDÆ.

Hemirhamphus intermedius, Cantor.—Sea Garfish.

Order ANACANTHINI.—Cods and Whiptails.

Family GADIDÆ.

Lotella callarias, Gunther.—Kelp Rock Cod.

Physiculus barbatus, Gunther.—Common Rock Cod.

Physiculus bachus, Forster.—Red Rock Cod.

Family CORYPHÆNOIDIDÆ.

Cælorhynchus australis, Rich.—Grenadier or Whiptail.

Macruronus novæ-zelandiæ, Hector.—Whiptail.

Optonurus denticulatus, Rich.—Deep Sea Whiptail.

Order BERYCOMORPHI.—Nannygai, Etc.

Family TRACHICHTHYIDÆ

Trachichthodes affinis, Gunther.—Nannygai.

Trachichthys australis, Shaw.

Paratrachichthys trailli, Hutton.—Sandpaper Fish.

Family ZEIDÆ.

Zeus faber, Linn.—John Dory.

Zenopsis nebulosus, Schleg.—Mirror Dory.

Cyttus novæ-zelandiæ, Arthur.—Silver Dory.

Cyttus australis, Rich.—Silver Dory.

Order ALLOTRIOGNATHI.—Ribbon Fish.

Family REGALECIDÆ.

Regalecus glesne, Ascanius.—The Oar Fish.

Family TRACHYPTENDÆ.

Trachypterus altivelis, Kner.—Ribbon Fish.

Family LOPIHOTIDÆ.

Lophotes guntheri, Johnston.

Order HETEROSOMATA.—Flounders, Etc.

Family BOTHIDÆ.

Pseudorhombus multimaculatus, Gunther.—Small-toothed Flounder.

Pseudorhombus tenuirastrum, Waite.—Deep-water Flounder.

Lophonectes gallus, Gunther.—Crested Flounder.

Family PLEURONECTIDÆ.

Ammotretis rostratus, Gunther.—Long-snouted
Flounder ("Sole" of Tasmania).

Ammotretis tudori, McCulloch.—Flounder.

Ammotretis macrolepis, McCulloch.—Flounder.

Rhombosolea flesoides, Gunther.—Southern Flounder.

Rhombosolea tapirina, Gunther.—Flounder.

Family CYNOGLOSSIDÆ.

*Paraplagusia unicolor**.—Tongue or Lemon Sole.

Order PERCOMORPHI.

Sub-Order MUGILOIDEA.

Family MUGILIDÆ.

Mugil cephalus, Linn.—Sea Mullet.

Myxus elongatus, Gunther.—Sand Mullet (Tallegal-
lane of New South Wales).

Agonostomus fosteri, Cuv. & Val.—Yellow-eyed Mullet.

Family ATHERINIDÆ.

Atherina microstoma, Gunther.—Silver Fish.

Atherina dannevigii, McCulloch.—Silver Fish.

Atherina presbyteroides, Rich.—Silver Fish.

Atherina hepsetoides, Rich.—Silver Fish.

Atherina hepsetus, Linn.—Silver Fish.

Atherina tamarensis, Johnston.—Silver Fish.

Atherina jacksoniana, Quoy & Gaim.—Silver Fish.

Family SPHYRÆNIDÆ.

Sphyræna norw-hollandia, Gunther.—Short-finned
Sea Pike.

Sub-Order STROMATEOIDEA.

Family STROMATEIDÆ.

Seriolaella brama, Gunther.—Snotgall Trevally.

Seriolaella punctata, Forster.—Spotted Trevally.

Seriolaella doubla, Gunther.—Mackerel Trevally.

Hyporoglyphe johnstoni, Morton.

Sub-Order PERCOIDEA.

Family PERCIDÆ.

Perca fluviatilis, Rondel.—English River Perch
(Intro.).

* Recorded by Mr. H. H. Scott, from North-East Coast of Tasmania.

Family SERRANIDÆ.

Polyprion oxygeneios, Bloch and Schneider.—Hapuku
(of New Zealand).

Callanthias allporti, Gunther.—Allport's Perch.

Cæsioperca lepidoptera, Forster.—Red Perch.

Cæsioperca raser, Rich.—Red Perch or Tasmanian
Barber.

Percalates colonorum, Gunther. — Brackish-water
Perch.

Nannoperca tasmaniæ, Johnston.—Fresh-water Perch.

Family PLESIOPIDÆ.

Trachinops caudomaculatus, McCoy.—Blotched-tailed
Trachinops.

Family APOGONIDÆ.

Apogon fasciatus, Shaw.—Soldier Fish (of New
South Wales).

Apogon novæ-hollandiæ, Val.

Apogon lemprieri, Johnston.

Dinolestes lewini, Giff.—Long-finned Sea Pike.

Family OPLEGNATHIDÆ.

Oplegnathus conwayi, Rich.

Family SILLAGINIDÆ.

Sillago punctatus, Cuv. and Val.—Spotted Whiting.

Sillago maculata, Quoy and Gaim.—Trumpeter Whit-
ing.

Sillago bassensis, Cuv. and Val.—School Whiting.

Family POMATOMIDÆ.

Pomatomus saltatrix, Linn.—Tailor or Skipjack.

Family CARANGIDÆ.

Trachurus declivis, Jenys.—Yellow Tail.

Trachurus novæ-zelandiæ, Rich.—Horse Mackerel of
Tasmania and New Zealand (Cowanyoung of
New South Wales).

Caranx georgianus, Cuv. and Val.—Silver Trevally.

Naucrates ductor, Linn.—Pilot Fish.

Seriola grandis, Castel.—Tasmanian Yellow Tail
(Kingfish of New South Wales).

Family ARRIPIDIDÆ.

Arripis trutta, B. and S.—Australian Salmon (Native
Salmon).

Family ERYTHRICHTHYIDÆ.

Emmelichthys nitidus, Rich.—Pearl Fish.

Family SCIÆNIDÆ.

Sciæna antarctica, Castelnau.—Jew Fish (of New South Wales), Dew Fish (of Queensland), King Fish (of Victoria and West Australia), Butter Fish (of South Australia).

Family MULLIDÆ.

Upeneichthys porosus, Cuv. and Val.—Blue-striped Red Mullet.

Family SPARIDÆ.

Pagrosomus auratus, B. and S.—Snapper.

Sparus australis, Gunther.—Silver Bream of Tasmania (Black Bream of New South Wales).

Family GIRELLIDÆ.

Girella tricuspidata, Q. and G.—Black Bream, Tasmania.

Family PEMPHERIDÆ.

Liopempheris multiradiata, Klun.—Big-scaled Bull Eye.

Parapriacanthus elongatus, McCulloch.—Elongated Bull Eye.

Family SCORPIDIDÆ.

Scorpius georgianus, Cuv. and Val.

Family ENOPLOSIDÆ.

Enoplosus armatus, Shaw.—“Old Wife” or Zebra Fish.

Family HISTIOPTERIDÆ.

Paristiopterus labiosus, Gunther.—Giant Boar Fish.

Zunclistius elevatus, Rams and Og.—Short Boar Fish.

Pentaceropsis recurvirostris, Rich.—Long-snouted Boar Fish.

Family APLODACTYLIDÆ.

Dactylosargus arctidens, Rich.—Marbled Kelp Fish.

Family CHIRONEMIDÆ.

Chironemus marmoratus, Gunther.—Large Kelp Fish.

Family CHEILODACTYLIDÆ.

Dactylopagrus macropterus, B. and S.—Black and Silver Perch. (Jackass Fish of New South Wales and South Australia.)

Dactylopagrus morwong, R. and O.—Morwong (Great Perch of Tasmania).

Dactylophora nigricans, Rich.—Dusky Morwong (Butter Perch).

Goniistius vizonarius, Kent.—Magpie Perch.

Cheilodactylus spectabilis, Hutton.—Carp of Tasmania.

Family LATRIDIDÆ.

Latris lineata, B. and S. — Real Trumpeter
("Stripey").

Latridopsis fosteri, Castelnau.—Bastard Trumpeter.

Latridopsis ciliaris, Forster.—Bastard Trumpeter.

Mendosoma allporti, Johnston.—Real Bastard Trumpeter.

Family POMACENTRIDÆ.

Glyphidodon victorix, Gunther.—Rock Perch, "Scaly Fin."

Family LABIDÆ.

Pseudolabrus tetricus, Rich.—Lilac-banded Parrot Fish.

Pseudolabrus psittaculus, Rich.—Parrot Fish.

Pseudolabrus celidotus, Richardson.—Parrot Fish.

Pseudolabrus fucicola, Rich.—Purple Parrot Fish.

Pictilabrus latilavivus, Rich.—Green-banded Parrot Fish.

Achoerodus gouldii, Rich.—Blue Groper.

Verreo oxycephalus, Bleeker.—Pig Fish.

Family NEOODACIDÆ.

Neoodax semifasciatus, Cuv. and Val.—Rock Whiting
(Stranger).

Neoodax balteatus, Cuv. and Val.—("Ground Mullet")
Little Rock Whiting.

Neoodax beddomei, Johnston.

Olisthops cyanomelas, Rich.—Herring Cale

Family GADOPSIDÆ.

Gadopsis marmoratus, Rich.—River Blackfish.

Family PINGUIPEIDÆ.

Parupercis allporti, Gunther.

Family URANOSCOPIDÆ.

Kathetostoma lare, Bl.—Catfish (Stone-lifter).

Family BOVICHTIDÆ.

Pseudaphritis urvilli, Castel.—Fresh-water Flathead
or Sandy.

Bovictus variegatus, Cuv. and Val.

Family CALLIONYMIDÆ.

Callionymus papilio, Gunther.

Family SCOMBROIDÆ.

- Scomber australasicus*, Cuv. and Val.—Mackerel.
Gasterochisma melampus, Rich.—Butterfly Fish.
Auxis thazard, Lacep.—Frigate Mackerel.
Thunnus maccoyi, Castel.—Southern Tunny.
Sarda chiliensis, Cuv. and Val.—Horse Mackerel (of
 New South Wales).

Family ISTIOPHORIDÆ.

- Tetrapturus indicus*, Cuv. and Val.—Sword Fish.

Family TRICHIURIDÆ.

- Lepidopus caudatus*, Euph.—Frost Fish.

Family GEMPYLLIDÆ.

- Jordanidia solandri*, Synder.—King Barracouta.
Thyrsites atun, Euph.—Barracouta.

Family GOBIIDÆ.

- Gobius tamarensis*, Johnston.—Tamar Goby.
Gobius lateralis, Macleay.
Gobius hinsbyi, Johnston.

Family BLENNIIDÆ.

- Blennius tasmanianus*, Rich.—Blenny or Bully.
Clinus perspicillatus, Cuv. and Val.
Clinus johnstoni, Saville Kent.
Cristiceps australis, Cuv. and Val.
Cristiceps fosteri, Castel.
Gillius clarkei, Morton.

Sub-Order OPHIDIODEA.

Family OPHIDIIDÆ.

- Genypterus blacodes*, B. and S.—Ling.

Order DISCOCEPHALI.—Sucker Fish.

Family ECHENEIDIDÆ.

- Echeneis naucrates*, Linn.—Slender Sucker Fish.
Remora remora, Linn.—Short Sucker Fish.

Order SCLEROPAREI.

Family SCORPÆNIDÆ.

- Scorpena cruenta*, Rich.—Gurnet. (Red Rock Cod of
 New South Wales and South Australia.)
Scorpena cardinalis, Rich.—Gurnet.
Helicolenus percoides, Rich.—Rock Gurnet.
Neobastes thetidis, Waite.—Rough Gurnet Perch.
Neosbastes panda, Rich.—Gurnet.
Glyptauchen panduratus, Rich.—Goblin Fish.

Centropogon australis, Gunther.—Fortesque of New South Wales.

Pentaroze marmoratu, Cuv. and Val.—Soldier of Tasmania.

Family PATÆCIDÆ.

Gnathanacanthus goetzi, Bleeker.—Velvet Fish.

Patacus maculatus, Gunther.

Family TRIGLIDÆ.

Lepidotrigla vanessa, Rich.—Butterfly Gurnard.

Chelidonichthys kumu, Lesson and Garnot.—Kumu Gurnard.

Pterygotrigla polyommata, Rich.—Sharp-beaked Gurnard.

Family HOPLICHTHYIDÆ.

Hoplichthys haswelli, McCulloch.—Spiny Flathead.

Family PLATYCEPHALIDÆ.

Platycephalus fuscus, Cuv. and Val.—Dusky Flathead.

Platycephalus bassensis, Cuv. and Val.—Common Tasmanian Flathead.

Platycephalus lævigatus, C. and V.—Smooth Flathead.

Order XENOPTERI.

Family GOBIESOCIDÆ.

Diplocrepis cardinalis, Ramsay.

Aspasmogaster tasmaniensis, Gunther.

Order PEDICULATI.

Family BATRACHOIDIDÆ.

Pseudobatrachus dubius, Shaw.—Frog Fish.

Family ANTENNARIIDÆ.

Histrio histrio, Linn.—Marbled Angler.

Trichophryne mitchelli, Morton.—Prickly Angler.

Family BRACHIONICHTHYIDÆ.

Brachionichthys hirsutus, Lacep.—Hand Fish.

Brachionichthys politus, Rich.—Red Hand Fish.

Family OGCOCEPHALIDÆ.

Halicutæa brevicauda, Ogilby.

Order PLETOGNATHI.

Family MONACANTHIDÆ.

Cantherines hippocrepis, Q. and Gaim.—Variable Leather Jacket.

- Cantherines guntheri*, Macleay.—Tooth-brush Leather Jacket.
- Cantherines spilomelanurus*, Q. and G.—Golden-eyed Leather Jacket.
- Cantherines maculosus*, Rich.—Small Brown Leather Jacket.
- Cantherines mosaicus*, Rams. and Ogl.—Mosaic Leather Jacket.
- Cantherines melas*, Gunther.—Black Leather Jacket.
- Cantherines gunni*, Gunther.—Dark Brown Leather Jacket.
- Cantherines convexirostris*, Gunth.—Grey Leather Jacket.
- Cantherines rindis*, Rich.—White-banded Leather Jacket.
- Cantherines perouii*, Hollard.—Pale Brown Leather Jacket.
- Brachaluteres trossulus*, Richardson.—Pigmy Leather Jacket.

Family OSTRACIIDÆ.

- Aracana aurita*, Shaw.—Trunk Fish.
- Aracana ornata*, Gray.—Yellow-striped Trunk Fish.

Family TETRAODONTIDÆ.

- Spheroides hamiltoni*, Rich.—Toad Fish.
- Spheroides richei*, Frem.—Globe Fish.

Family DIODONTIDÆ.

- Allomycterus jaculiferus*, Cuvier.—Porcupine Fish.
- Atopomycterus nycthemerus*, Cuv.—Slender-spined Porcupine Fish.

Family MOLIDÆ.

- Mola mola*, Linn.—Sun Fish.

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