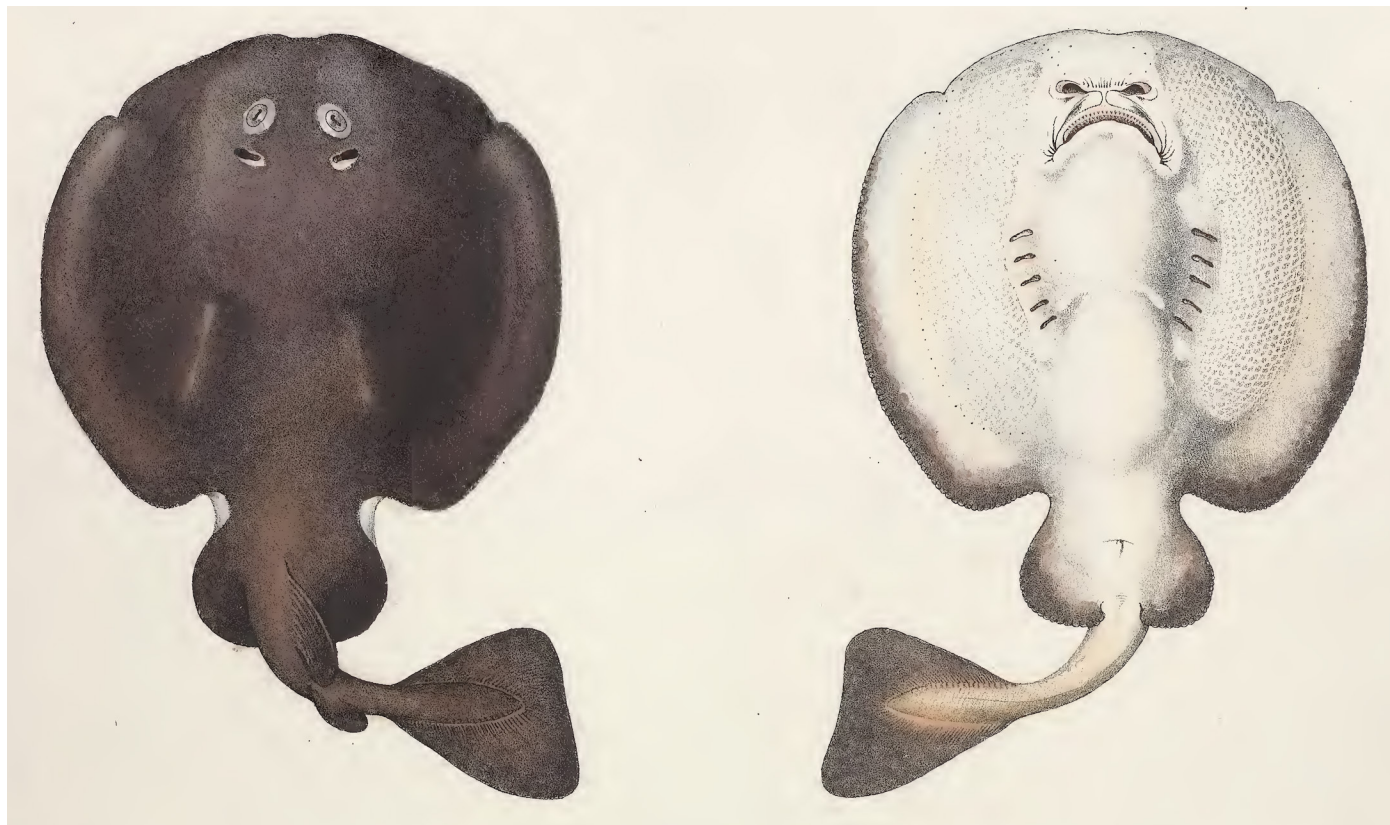


Order TORPEDINIFORMES

Electric Rays or Torpedo Rays

Family TORPEDINIDAE

Henle 1834



Tetronarce nobiliana. From: Bonaparte, C. L. 1835. Iconografia della fauna italia per le quattro classi degli animali vertebrati. Tomo III. Pesci. Roma. Fasc. 12–14, puntata 59–79.

Tetronarce

Gill 1862

tetro, misprint for *tetrá* (Gr. τετρά) four, referring to “four-sided form” of *T. occidentalis* (per Gill 1896¹), allusion not explained, perhaps referring to how the disc (two pectoral fins) and two pelvic fins appear as four sides (or lobes) when seen from above²; *narce*, from *nárkē* (Gr. νάρκη), numbness or torpor, and an ancient Greek word for any electric fish that causes a numbing sensation when touched

***Tetronarce californica* (Ayres 1855) -ica** (L.), belonging to: California (USA), “a very interesting addition to the fauna of California”

***Tetronarce cowleyi* Ebert, Haas & Carvalho 2015** in honor of Paul D. Cowley, Principal Aquatic Biologist, South African Institute for Aquatic Biodiversity, for his contributions to the study of fishes in southern Africa

***Tetronarce formosa* (Haas & Ebert 2006)** connoting both *Ilha Formosa*, historical name of type locality (Taiwan), and the Latin word for beautiful, referring to purplish-brown coloration of fresh specimens

***Tetronarce nobiliana* (Bonaparte 1835) -ana** (L.), belonging to: Leopoldo Nobili (1784–1835), Italian physicist who studied animal electricity

¹ Gill, T. N. 1896. Notes on the synonymy of the Torpedinidae or Narcobatidae. Proceedings of the United States National Museum 18 (1050): 161–165. Gill attempted to change spelling to *Tetronarce*, saying *Tetronarce* was “purely a printer’s blunder,” but original spelling is retained.

² Marcelo R. de Carvalho, pers. comm.

***Tetronarce occidentalis* (Storer 1843)** Latin for western, referring to its distribution in the Western Atlantic (compared with distribution of the similar *T. nobiliana* in the Eastern Atlantic)

***Tetronarce puelcha* (Lahille 1926)** etymology not explained; since name is used for other Argentine taxa (e.g., bivalves), it may refer to the Puelche people and/or territory of central Argentina (this ray described from Buenos Aires), which existed prior to the arrival of Europeans

***Tetronarce tokionis* Tanaka 1908 -is**, Latin genitive singular of: Tokyo, Japan, where holotype was obtained at a fish market

***Tetronarce tremens* (de Buen 1959)** Latin for trembling, presumably referring to its ability to produce an electric shock

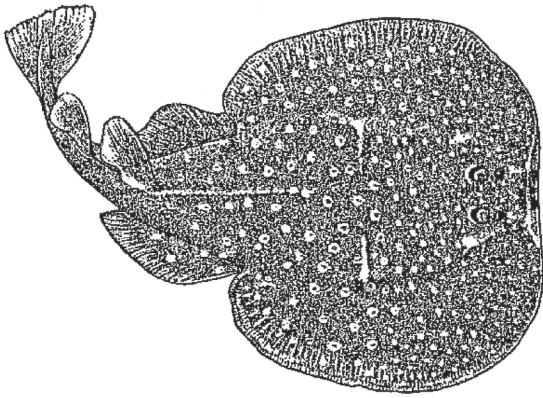
Torpedo

Duméril 1806

presumably tautonymous with *Raja torpedo* Linnaeus 1758 (no species mentioned); Latin word historically used for any electric fish, derived from *torpere*, meaning numbness or paralysis

***Torpedo adenensis* Carvalho, Stehmann & Manilo 2002 -ensis**, Latin suffix denoting place: Gulf of Aden, northwestern Indian Ocean, only known area of occurrence

***Torpedo andersoni* Bullis 1962** in honor of American fishery biologist William W. Anderson (1909–1993), U.S. Fish and Wildlife Service, “colleague and mentor, whose labors have contributed immeasurably to our



Torpedo mackayana. From: Metzelaar, J. 1919. Report on the fishes, collected by Dr. J. Boeke in the Dutch West Indies 1904–1905, with comparative notes on marine fishes of tropical West Africa. F. J. Belanfante, 's-Gravenhage. 1–314.

knowledge of the marine fauna of the southeastern United States”

***Torpedo alexandrinis* Mazhar 1987** *-[e]nsis*, Latin suffix denoting place: Alexandria, Egypt, eastern Mediterranean Sea (probably erroneous, from northern Red Sea) type locality [*species inquirenda*, provisionally included here]

***Torpedo bauchotae* Cadenat, Capapé & Desoutter 1978** in honor of Marie-Louise Bauchot (b. 1928), ichthyologist and assistant manager, Muséum national d’Histoire naturelle (Paris)

***Torpedo fuscomaculata* Peters 1855** *fuscus* (L.), dusky, dark or swarthy; *maculata* (L.), spotted, referring to numerous closely packed dark brown spots seen on some specimens

***Torpedo mackayana* Metzelaar 1919** *-ana* (L.), belonging to: Donald Jacob Baron Mackay (1839–1921), Dutch-born British colonial administrator and governor in India; he was one of the promoters of the expedition that collected holotype in the Dutch West Indies (1904–1905)

***Torpedo marmorata* Risso 1810** Latin for marbled, referring to mottled or marbled coloration

***Torpedo panthera* Olfers 1831** Latin for panther, referring to its leopard-like spots

***Torpedo sinuspersici* Olfers 1831** *sinus* (L.), bay or gulf; *persici* (L.), of Persia, described from the Persian Gulf

***Torpedo suessii* Steindachner 1898** patronym not identified but probably in honor of Steindachner’s friend, geologist Eduard Suess (1831–1914), who suggested that Steindachner study fossil fishes

***Torpedo torpedo* (Linnaeus 1758)** Latin word historically used for any electric fish, derived from *torpere*, meaning numbness or paralysis

***Torpedo zugmayeri* Engelhardt 1912** in honor of Austrian ichthyologist-herpetologist Erich Zugmayer (1879-1938), Bavarian State Zoological Collection (Munich), who collected holotype [treated as a junior synonym of *T. sinuspersici* by some workers]