CATALOGUE OF THE FRESH-WATER FISHES OF CENTRAL
AMERICA AND SOUTHERN MEXICO.

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In this paper I have endeavored to complete the enumeration of the tropical American fresh-water fishes. The species inhabiting this region should have been enumerated with the South American species* with which they are closely related. The list was omitted because several works bearing on these fishes could not be examined before the South American catalogue went to press.

The region covered by this catalogue embraces the fresh waters north of the Isthmus of Panama to the Tropic of Cancer.

*Proc. U. S. Nat. Mus., 1891, pp. 1-81. Since this paper was published a number of new species have been described. I take this occasion to add these and also to give a number of species overlooked in the former paper.

Bunocephalus iheringii Boulenger. Proc. Zoöl. Soc., 1891, 235.

Pseudopimelodus cottoides Boulenger. Proc. Zoöl. Soc., 1891, 233. (Closely allied to *P. parahybæ* Steindachner.)

Pimelodella eigenmanni Boulenger=*P. buckleyi* E. & E., not Boulenger.

Pimelodus nigribarbis Boulenger. Proc. Zoöl. Soc., 1891, 232. Distinct from *P. valenciennis* Luetken.

Pimelodus argenteus Perugia. Ann. Mus. Genov. (2) x, 631, 1892. Plate, R. Parana.

Pimelodus spegazzinii Perugia. Loc. cit. 632. Durango.

Pygidium minutum (Boulenger). Proc. Zoöl. soc., 1891, 235.

Acanthopoma annectens Luetken. Vidensk. Medd., 1892. (Near *Stegophilus*.)

Otocinclus nigricauda Boulenger. Proc. Zoöl. Soc., 1891, 234.

Chaetostomus aculeatus Perugia. Ann. Mus. Genov. (2) x, 677, 1882. Paraguay.

Loricaria cadetæ Hensel=*L. lima* Kner.

Loricaria evansii Boulenger. Jaganda, Matto Grosso, Brazil. Ann. and Mag. Nat. Hist. July, 1892.

Elopomorphus trilineatus?

Elopomorphus orinocensis Steindachner. Orinoco. Ichthyol. Beiträge, xix, 1888.

Plethodectes erythrinus Cope. *Chalceus erythrurus* Cope.

Tetragonopterus steindachneri sp. nov. Iquitos. Loc. cit., xy, July 26, 1892. The name *lineatus* is preoccupied by *T. lineatus* Perugia. April, 1892.

Tetragonopterus anomalus Steindachner. Corrientes. Loc. cit., 27.

Tetragonopterus nigripinnis Perugia. Ann. Mus. Genov. (2) x, 643, April, 1892.

Tetragonopterus lineatus Perugia. Loc. cit., 644.

Tetragonopterus moorii Boulenger. Chapala Platas, Matto Grosso. Ann. and Mag. Nat. Hist., July, 1892.

PETROMYZONTIDÆ.

LAMPETRA Gray.

Lampetra spadicea Bean. Guanajuato, Mexico. Proc. U. S. Nat. Mus., 1887, 374, Pl. xx, Fig. 6.

GALEORHINIDÆ.

EULAMIA Gill.

Eulamia nicaraguensis Gill Rio San Juan. Proc. Acad. Nat. Sci. Phila., 1877.

LEPIDOSTEIDÆ.

LEPIDOSTEUS Lacépède.

Lepidosteus tropicus Gill. Mexico, Guatemala. Proc. Acad. Nat. Sci. Phila., 1863, 172.

SILURIDÆ.

AMIURUS Rafinesque.

Amiurus dugèssii Bean. Rio Turbio, Guanajuato, Mexico. Proc. U. S. Nat. Mus., 1879, 304.

ICTALURUS Rafinesque.

Ictalurus meridionalis (Guenther). Rio Usumacinto, Guatemala. Cat. Fish. Brit. Mus., v, 102, 1864.

RHAMDELLA Eigenmann and Eigenmann.

Rhamdella parryi E. & E.—Rio Zanaleneo near Tonalá, Chiapas, Mexico. Proc. Cal. Acad. Sci., 2d ser. 1, 130.

Rhamdella petenensis (Guenther) Lake Peten, Chiapas, Mexico. Cat. Fish. Brit. Mus., v, 126.

Rhamdella brachyptera (Cope). Mexico. Trans. Am. Philos. Soc., XIII, 404.

Brachyhalcinus retrospina Boulenger. Santa Cruz, Matto Grosso. Loc. cit., 12.
 “Intermediate between *Tetragonopterus* Cuv. and *Luetkenia* Stdr. * * * Differing from both in having a movable spine, directed forwards, in front of the dorsal fin.

Pseudocorynopoma doriae Perugia. Arroyo Miguelete. Ann. Mus. Genova (2), x, 1891, 646, fig. (April.) *Bergia altipinnis* Steindachner. (July, 1891.)

Piabuca malanostoma Holmberg. Argentina. Bol. Ac. Córdoba, 1887.

Xiphorhamphus jenynsii Guenther. This is said to be a good species.

Xiphophorus heckeli Weyenberg. Primero River. Versl. Ak. Amst. (2) VIII, 291, 18—.

Haplochilus balzanii Perugia. 653.

Orestias bairdi Cope. Titicaca. J. Acad. Phila., 1876.

Orestias ortonii Cope. Titicaca. Loc. cit.

Orestias frontosus Cope. Titicaca. Loc. cit.

Rhodeoides vaillanti Thomiot. Bolivia, Magdalena. Bull. Soc. Philom. (7), VIII, 150, 1884.

Percichthys vinciguerra Perugia. Loc. cit., 610.

Crenicichla punctata et polysticta Hensel=*C. lacustris* (Castelnau).

Geophagus balzanii Perugia, 632. Prio Paraguay, Matto Grosso.

Geophagus rhabdotus, bucephalus, labiatus, scymnophilus, et pygmaeus Hensel.=*G. brasiliensis* Quoy and Gaimard.

I wish to acknowledge my indebtedness to Dr. von Ihering, of Rio Grande Do Sul, for suggesting many of the above corrections.

- Rhamdella baronis mülleri* (Troschel). Pacific coast of Mexico. Mueller, Wierbelth, Mexico, 1865, 102.
- Rhamdella guatemalensis* (Guenther). Huamuchal, Guatemala, Nicaragua. Cat. Fish. Brit. Mus., v, 122.
- Rhamdella salvini* (Guenther). Rio San Geranimo, Guatemala. Loc. cit., 130.
- Rhamdella policaulus* (Guenther). Rio San Geranimo. Loc. cit., 131.
- Rhamdella managuensis* (Guenther). Lake Managua. Guenther, Fishes Central America, 393 and 476, 1866.
- Rhamdella hypselurus* (Guenther). Mexico. Cat. Fish. Brit. Mus., v, 126.
- Rhamdella motaguensis* (Guenther). Rio Motagua. Loc. cit., 127.
- Rhamdella laticauda* (Heckel). Mexico. Loc. cit., 127.
- Rhamdella nicaraguensis* (Guenther). Lake Nicaragua. Loc. cit., 125.
- Rhamdella micropterus* (Guenther). Rio San Geronimo. Loc. cit., 124.
- Rhamdella godmani* (Guenther). Lower Vera Paz, Mexico. Loc. cit., 124.

CATOSTOMIDÆ.

ICTIOBUS Rafinesque.

- Ictiobus meridionalis* (Guenther). Rio Usumacinta. Guenther, Fishes Central America, 486, 1866.

MOXOSTOMA Rafinesque.

- Moxostoma austrina* Bean. Guanajuato. Proc. U. S. Nat. Mus., 1878, 302.

CYPRINIDÆ.

ALGANSEA Girard.

- Algansea australe* Jordan. Lake Tupataro, Guanajuato, Mexico. Proc. U. S. Nat. Mus., 1879, 300.

NOTROPIS Rafinesque.

- Notropis altus* Jordan. Lake Tupataeo, Guanajuato, Mexico. Loc. cit., 301.
- Notropis sallæi* Guenther. Cuernavaca, Mexico. Cat. Fish. Brit. Mus., v, II, 484.
- Notropis nigrotæniatus* Guenther. Altisco, Mexico. Loc. cit., 485.

CHARACINIDÆ.

TETRAGONOPTERUS Cuvier.

- Tetragonopterus fasciatus* Cuvier. Mexico, Guatemala, Rio Chisoy, Vera Paz, Rio Guacalate, Rio San Juan outlet of Lake Nicaragua.
- Tetragonopterus microphthalmus* Guenther. Pacific coast of Guatemala. Cat. Fish. Brit. Mus., v, 324.
- Tetragonopterus panamensis* Guenther. Guatemala; Panama. Loc. cit., 324.
- Tetragonopterus brevimanus* Guenther. Yzabal and Rio San Geranimo. Guatemala. Loc. cit., 324.
- Tetragonopterus petenensis* Guenther. Lake Peten. Loc. cit., 326.
- Tetragonopterus .neus* Guenther. Rio Frijoli; Oaxaca, Mexico. Loc. cit., 326.
- Tetragonopterus humilis* Guenther. Lake Amatitlan, Guatemala. Loc. cit., 327.
- Tetragonopterus mexicanus* Filippi, Lake Mexico, Izucar. Steind., Ichth. Not., IX, 1869, 11.
- Tetragonopterus scabripinnis* Jenyns. Xamapa, Mexico. Guenther, Cat. Fish. Brit. Mus., v, 325.
- Tetragonopterus belizianus* Bocourt. Belize. Bocourt in Ann. Sc. Nat., 1868, IX, 62.

- Tetragonopterus cobanensis* Bocourt. Rivers of Coban. Loc. cit., 62.
Tetragonopterus finitimus Bocourt. Orizaba. Loc. cit., 62.
Tetragonopterus fulgens Bocourt. Province of Cuernavaca. Loc. cit., 62.
Tetragonopterus nitidus Bocourt. De Tasco. Loc. cit., 62.
Tetragonopterus oaxacanensis Bocourt. Oaxaca. Loc. cit., 62.
Tetragonopterus argentatus Baird and Girard. Arkansas to Mexico.

BRYCON Müller and Troschel.

CHALCINOPSIS Kner.

- Brycon dentex* Guenther. Lake Nicaragua, Rio Motagua, Rio Usumacinto, Yzabal.
 Cat. Fish. Brit. Mus., v, 337.

RÆSTES Guenther.

- Ræstes guatemalensis* (Guenther). Huamuchal, Lake Nicaragua. Cat. Fish. Brit. Mus., v, 347.

BRAMOCHARAX Gill.

- Bramocharax bransfordi* Gill. Lake Nicaragua. Proc. Acad. Sci. Philad., 1877, 187.

DOROSOMIDÆ.

DOROSOMA Rafinesque.

- Dorosoma petenensis* Guenther. Lake Peten. Cat. Fish. Brit. Mus., vii, 408.

CYPRINODONTIDÆ.

CHARACODON Guenther.

- Characodon ferrugineus* Bean. Guanajuato, Mexico. Proc. U. S. Nat. Mus., 1887, 372.
Characodon variatus Bean. Guanajuato, Mexico. Loc. cit., 370.
Characodon lateralis Guenther. Central America. Cat. Fish. Brit. Mus., vi, 308.
Characodon bilineatus Bean. Guanajuato. Proc. U. S. Nat. Mus., 1887, 370.
Characodon furcidens Jordan and Gilbert. Streams tributary to the Gulf of California and southward. Proc. U. S. Nat. Mus., 1882, 354.
Characodon atripinnis Jordan. Guanajuato. Proc. U. S. Nat. Mus., 1879, 354.

GIRARDINICHTHYS Bleeker.

- Girardinichthys innominatus* Bleeker. Near City of Mexico. Günther, Cat. Fish. Brit. Mus., vi, 309.

ZYGONECTES Agassiz.

- Zygonectes dovii* Guenther. Punta Arena, Costa Rica. Cat. Fish. Brit. Mus., vi, 316.

FUNDULUS Lacépède.

- Fundulus labialis* Guenther. Rio San Geronimo, Yzabel, Guatemala. Loc. cit., 319.
Fundulus punctatus Guenther. Chiapam. Loc. cit., 320.
Fundulus guatemalensis Guenther. Lakes Dueñas and Amatitlan, Rio Guacalate, (Western Ecuador). Loc. cit., 321.
Fundulus pachycephalus Guenther. Lake Atitlan, Guatemala. Loc. cit., 322.
Fundulus dugèsi Bean. Guanajuato, Mexico. Proc. U. S. Nat. Mus., 1887, 373, Pl. xx, Fig. 5.

PSEUDOXIPHOPHORUS Bleeker.

Pseudoxiphophorus bimaculatus Heckel. Cordova, Mexico, Guenther, Cat. Fish. Brit. Mus., VI, 332. *Pæciliodus bimaculatus* Steindachner.

Pseudoxiphophorus reticulatus Troschel. Mexico. Guenther, Cat. Fish. Brit. Mus., VI, 333.

BELONESOX Kner.

Belonesox belizanus Kner. Lake Peten, Honduras, Guatemala, Mexico. Guenther, Cat. Fish. Brit. Mus., VI, 333.

GAMBUSIA Poey.

Gambusia episcopi Steindachner. Obispo. Ichthyol. Beitr., VI, 11, 1878.

Gambusia nicaraguensis Guenther. Lake Nicaragua. Guenther, Cat. Fish. Brit. Mus., VI, 336.

Gambusia gracilis Heckel. Orizaba, Mexico. Guenther, Cat. Fish. Brit. Mus., VI, 336.

ANABLEPS Linnaeus.

Anableps dowei Gill. Chiapam, Guatemala. Guenther, Cat. Fish. Brit. Mus., VI, 338.

PÆCILIA Bloch and Schneider.

Pæcilia mexicana Steindachner. Chiapam, Rio Chisoy, Vera Paz, Lake Amatitlan. Guenther, Cat. Fish. Brit. Mus., V, 341.

Pæcilia thermalis Steindachner. San Salvador, warm springs. Günther, loc. cit., 341. *P. modesta* Troschel.

Pæcilia chisoyensis Guenther. River Chisoy, Vera Paz. Cat. Fish. Brit. Mus., V, 342.

Pæcilia petenensis Guenther. Lake Peten. Loc. cit., 342.

Pæcilia sphenops Cuvier & Valenciennes. Mexico, Vera Cruz. Guenther, Cat. Fish., Brit. Mus., VI, 343.

Pæcilia dovii Guenther. Lake Nicaragua, Mexico. Loc. cit., 344. ? *G. plumbea* Troschel.

Pæcilia spilurus Guenther. Central America. Loc. cit., 345.

? **Pæcilia couchii** Girard. Rio San Juan, Province New Leon. Loc. cit., 346.

Pæcilia fasciata (Müller & Troschel). Mexico. Guenther. Loc. cit., 339.

Pæcilia butleri Jordan. Mazatlan. Proc. U. S. Nat. Mus., 1883, 330.

MOLLIENESIA Lescur.

Mollienesia petenensis Guenther. Lake Peten. Guenther, Cat. Fish. Brit. Mus., VI, 348.

Mollienesia formosa Girard. Palo Alto, Mexico. Guenther. Loc. cit., VI, 349.

Mollienesia jonesi Guenther. Huamantla, Mexico. Ann. and Mag. Nat. Hist., XIV, 370, 1874.

XIPHOPHORUS Heckel.

Xiphophorus kelleri Heckel. River Chisoy, Cordova, Mexico. Guenther, Cat. Fish. Brit. Mus., VI, 345.

PLATYPÆCILIIUS Guenther.

Platypæcilius maculatus Guenther. Mexico. Loc. cit., 350.

GIRARDINUS Poey.

- Girardinus pleurospilus* Guenther. Lake Duenas, Guatemala. Loc. cit., 353.
 ? *Girardinus occidentalis* Baird & Girard. Rio Santa Cruz, Mexico, Loc. cit., 354.

MUGILIDÆ.

AGONOSTOMUS Bennett.

- Agonostomus nasutus* Guenther. Rio San Geronimo. Loc. cit., 463. *Dajaus elongatus* Kner & Steindachner.
Agonostomus monticola (Bancroft). Mexico (West Indies). Loc. cit., 464.
Agonostomus globiceps Guenther. Vera Cruz. Guenther, Ann. and Mag. Nat. Hist. (4), XIV, 370.
Agonostomus microps Guenther. Rio Guacalata. Cat. Fish. Brit. Mus., III, 462.

ATHERINIDÆ.

CHIROSTOMA Swainson.

- Chirostoma humboldtiana* (Cuvier & Valenciennes). Mexico. Guenther, Cat. Fish. Brit. Mus., III, 404. *A. vomerina*, C. & V.
Chirostoma brasiliensis Quoy & Gaimard. Mexico. Proc. U. S. Nat. Mus., 1879, 299.
Chirostoma estor Jordan. Lake Chapala, Mexico. Loc. cit., 1870, 298.

CICHLIDÆ.

ASTRONOTUS Swainson.

THERAPS.

- Astronotus irregularis* Guenther. Guatemala. Cat. Fish. Brit. Mus., IV, 284.

ASTRONOTUS.

- Astronotus rectangularis* Steindachner. Mexico. Steind., Chromiden Mejicos.
Astronotus bifasciatus Steindachner. Mexico. Loc. cit., 4.
Astronotus lentiginosus Steindachner. Mexico. Loc. cit., 6.
Astronotus maculipinnis Steindachner. Xamapa River. Loc. cit., 13.
Astronotus gibbiceps Steindachner. Teapa River, Mexico. Loc. cit., 12.
Astronotus rostratus Gill & Bransford. Lake Nicaragua. Proc. Acad. Nat. Sci., Philad., 1877, 181.
Astronotus balteatus Gill & Bransford. Lake Nicaragua. Loc. cit., 184.
Astronotus centrarchus Gill & Bransford. Lake Nicaragua. Loc. cit., 185.
Astronotus basilaris Gill & Bransford. Rio San Juan. Loc. cit., 182.
Astronotus beani Jordan. Mazatlan. Proc. U. S. Nat. Mus., 1888, 332.
Astronotus pavonaceus Garman. Monclava, Coahuila. Bull. Mus. Comp. Zoöl., 1881, 93.
Astronotus cœruleopunctatus Kner & Steindachner. Rio Chagres (Western Slope Andes). Bair. Ak. Wiss., 1864. 16. Pl., Fig. 3.
Astronotus parma Guenther. Xamapa River, Mexico. Cat. Fish. Brit. Mus., IV, 285.
Astronotus fenestratus Guenther. Xamapa River, Mexico. Loc. cit., 285.
Astronotus margaritifer Guenther. Lake Peten, Mamomi. Loc. cit., 287.
Astronotus melanopogon Steindachner. Central Am. Steind., Chromiden Mejicos, 16.
Astronotus melanurus Guenther. Lake Peten. Cat. Fish. Brit. Mus., IV, 288

- Astronotus macracanthus* Guenther. Chiapam & Huamuchal. G. Fish Central America, 451.
- Astronotus spilurus* Guenther. Rio Motagua, Guatemala. Cat. Fish. Brit. Mus., iv, 289.
- Astronotus cyanoguttatus* Baird & Girard. Texas, Mexico. Guenther. Loc. cit. 290.
- Astronotus nigrofasciatus* Guenther. Atitlan and Amatitlan. Fishes Central America, 452.
- Astronotus multispinosus* Guenther. Lake Managua. Loc. cit., 453.
- Astronotus longimanus* Guenther. Lake Nicaragua. Loc. cit., 454.
- Astronotus helleri* Steindachner. Teapa River, Tabasco, Mexico. Steind., Chromiden Mejicos, 8.
- Astronotus urophthalmus* Guenther. Lake Peten. Cat. Fish. Brit. Mus., iv, 291.
- Astronotus troscheli* Steindachner. Mexico. Ichthyol., iv, 12.
- Astronotus aureus* Guenther. Mexico, Guatemala, Rio San Juan, Rio Motagua, Yzabal. Cat. Fish. Brit. Mus., iv, 292.
- Astronotus affinis* Guenther. Lake Peten. Loc. cit., 292.
- Astronotus labiatus* Guenther. Managua. Fish. Central America, 455.
- Astronotus erythræus* Guenther. Managua. Loc. cit., 457.
- Astronotus lobochilus* Guenther. Managua. Loc. cit., 457.
- Astronotus citrinellus* Guenther. Nicaragua. Loc. cit., 459.
- Astronotus altifrons* Kner & Steindachner. Western Veragua. Guenther, fishes of Central America, 459.
- Astronotus friedrichthalii* Heckel. Lake Peten, Rio San Juan. Guenther, Cat. Fish. Brit. Mus. iv., 294.
- Astronotus salvini* Guenther. Lake Peten, Yzabal. Loc. cit., 294. *Heros tri-gramma*, Steindachner.
- Astronotus trimaculatus* Guenther. Chiapam, Huamuchal. Fishes of Central America, 461.
- Astronotus dovii* Guenther. Lake Nicaragua. Loc. cit., 461.
- Astronotus motaguensis* Guenther. Motagua. Loc. cit., 462.
- Astronotus managuensis* Guenther. Managua. Loc. cit., 463.
- Astronotus microphthalmus* Guenther. Rio Motagua. Cat. Fish. Brit. Mus., iv., 295.
- Astronotus oblongus* (Guenther). Rio Motagua; Fishes of Central America, 464.
- Astronotus nicaraguensis* Guenther. Nicaragua. Loc. cit., 465.
- Astronotus deppii* Heckel. Mexico; G. Cat. Fish. Brit. Mus., iv., 296.
- Astronotus montezuma* Heckel. Mexico; G. Loc. cit., 296.
- Astronotus godmanni* Guenther. Cahabon River, Guatemala. G. Loc. cit., 297.
- Astronotus nebulifer* Guenther. Mexico. Loc. cit., 297.
- Astronotus sieboldi* Kner & Steindachner. New Granada; G. Fish. Central America, 466.
- Astronotus irregularis* Guenther. Rivers Chisoy, San Geranimo, and Santa Isabel, Loc. cit., 467.
- Astronotus intermedius* Guenther. Lake Peten; G. Cat. Fish. Brit. Mus., iv., 298.
- Astronatus angulifer* Guenther. Santa Isabel River. Loc. cit., 298.

PETENIA.

- Astronotus splendida* Guenther. Lake Peten. Loc. cit., 301. *Heros insidiator* Heckel.

NEETROPLUS Guenther.

- Neetroplus nicaraguensis* Gill & Bransford. Lake Nicaragua. Proc. Acad. Nat. Sci. Philad., 1877. 186.
- Neetroplus nematopus* Guenther. Managua; Fish. Central America, 470.

GOBIIDÆ.

GOBIOMORUS Lacépède.

Gobiomorus lateralis Gill. Rio Presidia, Mazatlan, Panama. Guenther, Cat. Fish. Brit. Mus., III, 122.

Gobiomorus dormitator Lacépède. Mexico, Lake Nicaragua. Guenther, loc. cit., 119. *G. longiceps* Guenther.

DORMITATOR Gill.

Dormitator maculatus (Bloch.) Anamahat, Cordova. Guenther, loc. cit., 557.

ELEOTRIS Bloch and Schneider.

Eleotris pisonis (Gmelin). Rio Bayano. Guenther, loc. cit., 122.

Eleotris æquidens (Jordan & Gilbert). Mazatlan, Colima. Proc. U. S. Nat. Mus., 1881, 461.

SICYOPTERUS Gill.

Sicyopterus gymnogaster Grant. Mazatlan. Proc. Zool. Soc. Lond., 1884, 158.

CHONOPHORUS Poey.

Chonophorus taiasica (Lichtenstein). Both Coasts of Mexico, entering rivers. Guenther, Cat. Fish. Brit. Mus., III, 59, as *Gobius banana*.

Chonophorus mexicanus (Guenther). Eastern slope of Mexico. Loc. cit., 61.

GOBIOIDES Lacépède.

Gobioides broussoneti (Lacépède). Mexico. Steindachner, Zur Fischfauna des Cauca, etc., 43, 1879.

The following marine species have also been found in fresh water:*

Tachisurus jordani Eigenmann & Eigenmann. Rio Presidio, Mazatlan.

Tachisurus guatemalensis (Guenther). Rio Presidio.

Tachisurus cœrulescens (Guenther). Rio Presidio.

Centropomus robalito Jordan & Gilbert. Rio Presidio.

Bairdiella icistia (Jordan & Gilbert). Rio Presidio.

Gerres peruvianus Cuv. & Val. Rio Presidio.

Gerres lineatus (Humboldt). Rio Presidio.

BLOOMINGTON, IND., September 19, 1892.

* See Proc. U. S. Nat. Mus., 1888, 329.

NOTE.—Dr. Theo. Gill has kindly called my attention to the following paper and list of new species: Holmberg, F. L. Sobre algunos Peces nuevos o poco conocidos de la Republica Argentina in Rev. Arg. Hist. Nat., I, 180–193, 1891.

Acharnes niederleini, p. 181, [Acharnes (Müll.) is a mere synonym of Cichla.—T. Gill]; A. chacoensis, p. 182; Heros centralis, p. 183; Curimatus nitens, p. 184; C. conspersus, p. 185; Prochilodus platenis, p. 186; Leporinus solaris, p. 187; Tetragonopterus correntinus, p. 188; T. erythropterus, p. 189; Chaleinopelecus (n. g.) argentinus, p. 191; Piabuca melanostoma, p. 192; Myletes (Myleus) mesopotamicus, p. 193.

Eigenmann, Carl H. 1893. "Catalogue of the fresh-water fishes of Central America and southern Mexico." *Proceedings of the United States National Museum* 16(925), 53–60. <https://doi.org/10.5479/si.00963801.925.53>.

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