

Family Gobioididae

2283

Body elongate, more or less eel like or band like, cylindrical to strongly compressed. Head quadrangular to cylindrical, obtuse. Mouth large, oblique to nearly vertical, and lower jaw heavy and protruding. Teeth sharp pointed, in one to several rows, outer more or less enlarged, curved, often fang like and pair of stout canines sometimes behind symphysis of lower jaw. Gill opening small. Eyes small to minute, latero-dorsal to dorsal, covered by skin, distinct to invisible, sometimes represented by orbital fossae.

to moderate, vertical or nearly so, usually narrow, not extended

forward. Isthmus wide.
 Skin naked or more or less covered with minute rudimentary cycloid scales. Dorsals united, rarely separated. Frequently both dorsals and anals concealed by envelope of thick rough skin. Second dorsal and anal long and low, united with caudal or ending at its base. Pectoral small, rounded, sometimes elongated and pointed. Ventrals separated usually completely united to form disks, often large, rarely small.

Elongate gobioids of the Indo-Pacific, living on sandy shores, estuaries and in rivers near salt water.

2285

Genus Pseudotrypauchen Hardenberg

Pseudotrypauchen Hardenberg, Treubia
vol. 13, livr. 3-4, p. 418, ~~figs. 1-3~~ Dec. 1931.
(~~type~~ Type Pseudotrypauchen
multiradiatus Hardenberg, monotypic.)

Body elongate, compressed.
Head small. Snout short. Eyes
minute, concealed below skin,
well advanced in head length.
Maxillary reaches well beyond
eye. Mouth large, inclined,
terminal. Teeth in jaws small,
even. Gill openings large, not
confluent with each other.
Scales small, 50 in lateral series,
Head and body entirely scaled.
No pores visible on head.
Branchiostegals 5. Dorsals
confluent, also like anal also
confluent with lanceolate caudal.

Pseudotrypauchen multiradiatus
 Hardenberg

Pseudotrypauchen multiradiatus
Hardenberg, Treubia, vol. 13, livr. 3-4,
 p. 418, fig. 8, Dec. 1931 (type locality,
 neighbourhood of Bagan Si Api
 Api, Sumatra); vol. 13, livr. 1, p.
 146, July 1931 (same locality).

Pectoral longer than head. ²²⁸⁷
Ventrals reach vent, inserted
before pectoral, innermost as
well as outermost rays connected,
total forming a disk, and
innermost rays largest.

One species. Found mixed
with Trypauchen vagina and
"It seems therefore to have the
same mud-burrowing habits."
It is said to have no cavity
at the nape and the very numerous
pectoral rays are given as 40.

2288

Genus Taenioides Lacepède

Taenioides Lacepède, Hist. Nat.
Poiss., vol. 2, p. 532, 1798. (Type
Taenioides hermanni Lacepède,
monotypic.)

Amblyopus Valenciennes, Hist. Nat.
Poiss., vol. 12, p. (118) 157, 1837. (Type
Taenioides hermanni Lacepède.)

Psilosoma Swainson, Nat. Hist.
Animals, Fishes, vol. 2, p. 183, ^{atypic} 1839. ~~(Type Amblyopus rubicundus
Buchanan-Hamilton (Type
Gobioides rubicundus Buchanan-Hamilton))~~

(Brachyamblyopus Bleeker, Arch. Néerl.
Sci. Nat. Harlem, vol. 9, p. 329, 1874.
(Type Amblyopus brachysoma Bleeker,
orthotypic.)

Psilosoma Swainson, op. cit., p. 279.
(Type Gobioides rubicundus Buchanan-Hamilton.)

2289

Odontamblyopus Bleeker, Arch.
Néerl. Sci. Nat. Harlem, vol. 9, p. 330,
1874. (Type Gobioides rubicundus
Buchanan-Hamilton, orthotypic.)

Lerne De Vis, Proc. Linn. Soc. New South
Wales, vol. 8, p. 286, 1883. (Type
Lerne mordax De Vis, monotypic.)

Trypauchenopsis Volz, Zool. Anzeiger,
vol. 26, p. 554, 1903. (Type
Trypauchenopsis intermedius Volz.)

Caragobius Smith and Seale, Proc.
Biol. Soc. Washington, vol. , p. 145,
1906. (Type Caragobius typlops
Smith and Seale.)

2290

Trypanchenophrys Franz, Abhand.
Bayer. Akad. Wiss., Vol. 1, Suppl.
Band 4, p. 68, 1910. (Type
Trypanchenophrys anotus Franz.)

Sericagobioides Herre, Gobies of
Philippines, p. 335, 1927. (Type
Sericagobioides lighti Herre,
monotypic.)

Indagobioides Shaw, Bull. Fan Mem.
Inst. Biol., vol. 1, no. 1, 1929. (Type
Indagobioides nankaii Shaw.)

2291

Genus Caragobius Smith and Seale

Caragobius Smith and Seale, Proc.
Biol. Soc. Washington, vol. 19, p. 81,
1906 (1907). (Type Caragobius
typhlops Smith and Seale, ^{orth} ~~mono~~type.)

Body elongate, laterally compressed.
Head large, quadrangular.
Snout short, convex, wide,
blunt. Eyes very minute, under-
neath skin, superior on head,
widely spaced. Mouth small,
very oblique to subvertical,
blunt lower jaw longer.
Teeth in jaws biserial, depressible,
in outer row long, slender,
pointed and widely spaced,
and in inner row minute,
none canines. End of tongue
rounded. Gill openings narrow,
restricted, with wide isthmus.
Only posterior third of body

2292

covered with minute cycloid scales, rest including head naked. Dorsal fin continuous with anal and caudal, which shorter than head. Anal long, but little lower than dorsal. Pectoral short, broad, rounded. Ventrals completely united, moderately long, pointed, with thin frenum of median width.

Analysis of Species

a. Head $4\frac{3}{4}$; caudal $4\frac{1}{2}$ in head; scales 12 transversely. Typhlops

a.² Head $5\frac{2}{5}$ to $5\frac{1}{2}$; caudal greater than head; scales 13 or 14 transversely. Geomys

Analysis of Species

a. Snout well less than postocular length of head.

b. ^{callogobius} Ventrals each with membrane intact their whole length.

c. Scales 28 in lateral series.

c.² Scales 40 to 50 in lateral series.
centrolepis
hasseltii

b.² metagobius. Ventral membrane divided nearly to base, appearing to separate tube fins.

Taenioides anguillaris (Linnaeus)

Gobius anguillaris Linnaeus, Syst.
Nat., ed. 10, vol. 1, p. 264, 1758 (type
 locality, China); ed. 12, vol. 1, p. 450,
 1766 (copied). — Forskål, Descript.
Animal., pp. X, 23, 1775 (Djidda). —
Bonnaterre, Tabl. Ichth. ~~pp.~~ p. 66,
 1788 (copied). — Gmelin, Syst. Nat.
Linnaeus, vol. 1, p. 1201, 1789 (copied).
 — Walbaum, Artedi Pisc., vol. 3, pp. 200,
 205, 1792 (copied). — Forster, Fauna
Indica, p. 14, 1795 (reference). — Schneider,
Syst. Ichth. Bloch, p. 71, 1801 (copied).

Amblyopus anguillaris Richardson,
Ichth. China and Japan, p. 207, 1846
 (Macao).

2294

Gobioides anguillaris Day, Fishes
of India, pt. 2, p. 317, pl. 67, fig. 4,
1876 (Calcutta); Fauna British
India, Fishes, vol. 2, p. 299, fig.
99, 1889. — Hardenberg, Treubia, vol.
13, livr. 1, p. 142, July 1931 (Rohar R.
mouth Sumatra).

Echidna nebulosa (Ahl).

Muraena nebulosa Ahl, Specimen Ichth. Mur. Ophich. Thunberg, 1789,
7, pl., right fig. (type locality, East India).—Günther, Rep. Voy. Challen-
er, vol. 1, pt. 6, 1880, p. 58 (Tahiti); Journ. Mus. Godeffroy, vol. 9, pt. 17,
1910, p. 423 (Hawaiian Is.).

Echidna nebulosa Seale, Occas. Pap. Bishop Mus., vol. 1, no. 5, 1902,
p. 18, 19 (Honolulu).—Jenkins, Bull. U. S. Fish Comm., vol. 22, 1902 (1903),
p. 429 (Honolulu).—Snyder, op. cit., vol. 22, 1902 (1904), p. 520 (Honolulu).
Jordan and Evermann, op. cit., vol. 23, pt. 1, 1903 (1905), p. 110, pl. 1
(Honolulu; Hilo; Kailua).—Fowler, Proc. Acad. Nat. Sci. Phila., 1912, p. 30
(Hawaiian Is.); Copeia, no. 112, Nov. 20, 1922, p. 82 (Hawaii); Bishop Mus.
Bull., no. 38, 1927, p. 6 (Howland and Baker Is.); Mem. Bishop Mus., vol. 10,
1928, p. 49 (Raiatea; Nukuhiva; Hai; Hawaiian Is.; Society Is.).—Herre,
Bull. Pan Pac. Res. Inst., vol. 7, no. 1, Jan.-March 1932, p. 3 (Tahiti).—
Fowler, Mem. Bishop Mus., vol. 11, no. 6, 1934, p. 389 (reference).—Herre,
Field Mus. Publ., no. 353, vol. 21, April 15, 1936, p. 41 (Tahiti).

Gymnothorax nebulosus Borodin, Bull. Vanderbilt Mar. Mus., vol. 1,
pt. 3, 1932, p. 72 (Anaho Bay, Nukuhiva, Marquesas).

2295

Jaenoides anguillaris Bleeker, Arch.
Néerl. Sci. Nat. Harlem, vol. 13, p. 54,
1878 (New Guinea).

— Fowler, Proc. Acad. Nat. Sci. Phila-
delphia, vol. 87, p. 163, 1935 (Bangkok;
Pachnam); vol. 89, p. 257, 1937 (Bangkok).
— Suwatti, Index Fish. Siam, p.
159, Jan. 8, 1937 (Maenam Cau Phaya).

Jaenoides hermanni Lacepede, Hist. Nat. Poiss., vol. 2, pp. 532, 533, pl. 14, fig. 1, 1800 (type locality, no locality). — Fowler, Mem. Bishop Mus., vol. 10, p. 419, 1928 (copied).

Jaenoides hermannianus Bleeker, Arch. Neerl. Sci. Nat. Harlem, vol. 9, p. 330, 1874 (name). — Weber, Nova Guinea, vol. 9, pt. 4, p. 603, 1913 (Lorentz R., at Bivak Island). — Chap. Biol. Bull. St. John's Univ., no. 1, p. 167, Jan. 1931 (reference).

Act. Soc. Sci. Ind. Neerl. (Acht. Sumatra), vol. 8, p. 42, Feb. - Aug. 1859 (Palembang);

Cepola hermanniana Shaw, General Zool., vol. 4, p. 191, 1809. Valenciennes, Hist. Nat. Poiss., vol. 12, p. (120) 159, pl. 357, 1837 (Calcutta; Rangoon). — Swanison, Nat. Hist. Animals, vol. 2, p. 279, 1839 (reference).

Amblyopus hermannianus Cantor, Journ. Asiatic Soc. Bengal, vol. 18, pt. 2, p. 1172, 1849 (1850) (Penang). — Bleeker, Verh. Batavia. Genoot. (Nal. Schth. Bengal), vol. 25, p. (50) 103, 1853 (Hoghly R., Calcutta); Verslag. Kon. Akad. Wet. Amsterdam, vol. 12, p. 32, 1861 (Singapore). — Day, Fishes of Malabar, p. 116, 1865. — Bleeker, op. cit., ser. 2, vol. 2, p. 281, 1868 (Doreh, New Guinea); Ned. Tijds. Dierk., vol. 2, p. 58, 1865 (Amoy). — Peters, Monatsb. Akad. Wiss. Berlin, p. 923, 1880 (Ningpo).

Gobioides hermannianus Bleeker,
Ned. Tijds. Dierk., vol. 4, p. 129,
1873 (1874) (reference).

2298

Gobioides hermannianus Weber,
Nova Guinea, vol. 9, pt. 4, p. 603,
1913 (Lorentz R. at Bivak Island).
— Chu, Biol. Bull. St. John's
Unit., no. 1, p. 167, Jan. 1931 (ref.).

Brachyamblyopus hermannianus Herre
and Myers, Siguan Sci. Journ.,
vol. 10, nos. 2 - 3, p. 250, Aug. 1931
(Canton).

Gobioides anguilliformis Lacépède, Hist.
Nat. Poiss., vol. 2, pp. 576, 577, 1800 (type
locality, China; Great Equatorial Ocean).

2299

Amblyopus rugosus Richardson,
Ichth. China and Japan, p. 207, 1846
(type locality, Masao).

Gobioides rugosus Bleeker, Nat.
Tijds. Dierk., vol. 4, p. 129, 1873 (1874)
(reference).

Taenioides brachysoma (Bleeker)

Amblyopus brachysoma Bleeker, Nat.
Tijds. Ned. Indië, vol. 5, p. 510, 1853,
(type locality, Priaman, Sumatra);
— Martens, Preuss. Exped. Ost Asien,
vol. 7, p. 393, 1876 (Bangkok).

Nat. Soc. Sci. Ind. Neerl. (Acht. Sumatra), vol. 8,
p. 42, Feb. Aug. 1859 (reference). — Günther,
Cat. Fish. Brit. Mus., vol. 3, p. 136, 1861
(copied).

2301

Taenioides aotus (Franz)

Trypancheophrys aotus Franz,
Abhand. Bayer. Akad. Wiss., Vol. 1,
Suppl. Band 4, p. 68, pl. 9, fig. 77,
1910 (type locality, Hukunura).

Taenioides aotus Taniyama, Jap.
Journ. Zool., vol. 7, no. 1, p. 10, fig. 42,
1936 (Okinawa).

Brachyamblyopus olivaceus Herre,
Gobies of Philippines, p. 329, pl. 25, fig.
3, 1927 (type locality, La Libertad,
Oriental Negros; strait between Stoilo
and Negros); Fishes Herre 1931
Philippine Exped., p. 93, 1934 (Manila Bay).

U. S. N. M., no. 86384. China.

A. de C. Sowerby. Length 160 mm.

D. VI - I - 27; A. 27. As Taenioides
brachysoma.

U. S. N. M., no. 86381. China.

A. de C. Sowerby. Length 148

mm. D. VI - I - 28; A. 28. As

Taenioides brachysoma.

~~U. S. N. M., no. 86378.~~

2303

Taenioides burmanicus (Hora)

Brachyamblyopus burmanicus Hora,
Records Indian Mus., vol. 27, pt. 6,
p. 455, text fig. 2, Dec. 1925 (type
locality, a small pond opening
into the Rangoon River about 3
miles below Rangoon).

taboura microchir (Bleeker).

Moringua microchir Bleeker, Nat. Tyds. Ned. Indie, vol. 4, 1853, p.

(type locality, Amboyna; Cauer, west Sumatra).—Günther, Journ. Mus. Godeff-
, vol. 9, pt. 17, 1910, p. 405 (Marquesas Is.).

Aphthalmichthys microchir Fowler, Mem. Bishop Mus., vol. 10, 1928, p.

(compiled).

Rataboura microchir Fowler, op. cit., vol. 11, no. 6, 1934, p. 389

ference).

2304

Taenioides cirratus (Blyth)

Amblyopus cirratus Blyth, Journ. Asiatic Soc. Bengal, vol. 29, p. 147, 1860 (type locality, Calcutta). —

Gobioides cirratus Day, Fishes of India, pt. 2, p. 318, pl. 69, fig. 4, 1876; Fauna British India, Fishes, vol. 2, p. 300, 1889. — Hardenberg, Treubia, vol. 13, livr. 1, p. 144, July 1931 (Roban R. mouth, Sumatra).

Taenioides cirratus Herre, Gobies of Philippines, p. 333, 1927 (Pasay Beach, Manila Bay; Manila market; Lake Naujan).

Taenioides gracilis cirratus Tomiyama, Jap. Journ. Zool., vol. 7, no. 1, p. 103, fig. 44, 1936 (Japan).

2305

Amblyopus brachygaster Günther,
Cat. Fish. Brit. Mus., vol. 3, p. 134,
1861 (type locality, East Indies).

— Károli, Termész. Füzetek, Budapest, vol. 5,
p. 168, 1881 (1882) (Harauak).

Taenioides brachygaster Jordan and
Richardson, Bull. Bur. Fisher., vol. 27,
p. 279, 1907 (1908) (Aparri); Philippine
Journ. Sci., p. 51, 1910 (reference).

Leme mordax de Vis, Proc. Linn. Soc.
New South Wales, vol. 8, p. 286, 1883
(type locality, Murray River, Australia).

— McCulloch and Ogilby, Rec. Austral.
Mus., vol. 12, no. 10, p. 205, ^{pl. 31, fig. 4,} July 14,
1919 (Ripple Creek, Herbert R. and
Cooktown).

Taenioides lacepedei (not Schlegel)
Jordan and Snyder, Proc. U. S. Nat.
 Mus., vol. 24, p. 128, fig. 33, 1901
 (Wabanoura). — Anonymous, Illustrat.
 Jap. Aquat. Pl. Animals, vol. 1, pl. 47, fig.
 10, 1931.

Taenioides snyderi Jordan and Hubbs,
 Mem. Carnegie Mus., vol. 10, no. 2, p.
 310, 1925 (name based on Jordan
 and Snyder).

Taenioides coeculus (Schneider)

Cepola coecula Schneider, Syst. Ichth. Bloch, p. 241, pl. 54, 1801 (type locality, Tranquebar).

Amblyopus coeculus Bleeker, Verh. Batavia. Genoot. (Nal. Ichth. Bengal), vol. 25, p. 50, 1853 (reference).

(Valenciennes, Hist. Nat. Poiss., vol. 12, p. 124) 165, 1837 (Pondichery). — Jordan, Madras Journ. Lit. Sci., 1851, p. 144.

Amblyopus caeculus Günther, Cat.

Fish. Brit. Mus., vol. 3, p. 133, 1861 (Penang). — Day, Fishes of Malabar, p. 117, 1865.

— Károlyi, Termesz. Füzetek, Budapest, vol. 5, p. 168, 1881 (1882) (Canton).

— Martens, Preuss. Exped. Ost Asien, vol. 1, p. 392, 1876 (Singapore). Canton



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Gobioides caeculus Day, Fishes of India,
pt. 2, p. 318, pl. 68, Fig. 1, 1876 (Madras;
Andamans); Fauna British India,
Fishes, vol. 2, p. 299, 1889.

Gaenioides caeculus Weber, Siboga
Expd., vol. 57, Fische, p. 486, 1913
(Molo Strait, 69-91 meters).

— Rendahl, Arkiv för zool., Stockholm,
vol. 16, no. 2, p. 31, 1924 (China).

— Herre, Gobies of Philippines, p. 331,
1927 (Hoihow, Hainan; Amoy; Fuchow).

— Chu, Biol. Bull. St. John's Univ.,
no. 1, Jan. 1931 (reference). — Herre

and Myers, Siquan Sci. Journ., vol.
10, nos. 2-3, p. 250, Aug. 1931 (Canton).

— Herre, Fishes Herre 1931 Philippines
Expd., p. 93, 1934 (Manila market;
Laguna de Bay; Lake Bombon).

Dumaguete; Villa; Pansipit R.; Pampanga
R.; Ambulong, L. Taak;

Taenioides coeculus Fowler, ^{list} ~~Cat.~~ (2309)
Fish. Malaya, p. 221, 1937 (reference).

U. S. N. M., no. 86511. China.

A. de C. Sowerby. Length 130 mm.

2311

Taenioides coecus Weber

Taenioides coecus Weber, Siboga
Exped., vol. 57, Fische, p. 486, 1913
(type locality, Bai von Bima,
Numbawa, in 50 meters).

Body depth less than head length,
and with head compressed; head
 $5\frac{1}{3}$, or nearly equals space between
isthmus and vent. Each side of
jaws 6 to 8 curved, large teeth,
in outer row; close behind
symphysis of lower jaw many lower
teeth.

Scales only on hind fourth of
body, rhomboid, overlapping one
another.

D. 51; A. 40; vertical fins
confluent; caudal $\frac{1}{5}$ of total
length, long, pointed; pectoral
3 in head, rounded.
Gray brown, reddish in life (Weber.)
Length 40 mm.
East Indies.

Jaenioides eruptionis (Bleeker)²³¹²

Amblyopus eruptionis Bleeker,
Verh. Batavia. Genoot. (Blenn.
Gob.), vol. 22, p. 38, 1849 (type
locality, Kali Kedira or Kalimas,
Surabaya); Act. Soc. Ind. Neerl.,
vol. 2, no. 7, p. 6, 1857 (Amboina);
Verh. Tijds. Dierk., vol. 2, p. 292, 1865
(reference).

Depth 15 to 24; head 10 to 12, width
 $1\frac{2}{3}$. Upper profile of snout horizontal;
eye very small, covered with skin;
jaws ~~imm~~ not protractile; mouth
obtusely; teeth pluriserial, outer series
largest.

No scales. Skin smooth, invest
dorsal and anal.

D. V, I, 50; A. I, 48; dorsal and
anal low; pectoral 16, half long
as ventral; ventral I, 5; caudal
acutely rounded. Anal papilla

short, conic.

Color of body and feet
greenish, paler below.

Length 340 mm.

(Bleeker.)

East Indies.

Taenioides
Caragobius geomys (Fowler)

2314

Caragobius geomys Fowler, Proc. Acad.
Nat. Sci. Philadelphia, vol. 87, p. 161,
figs. 129 and 130, 1935 (type locality,
Bangkok, Siam).

Depth 7 to $8\frac{1}{2}$; head $5\frac{2}{5}$ to $5\frac{1}{2}$,
width $1\frac{1}{5}$ to $1\frac{2}{5}$. Snout $4\frac{1}{2}$ to 5
in head from snout tip; eye
very small, $3\frac{1}{2}$ to 4 in snout,
separated by less than ^{eye} diameter;
maxillary very oblique, $3\frac{1}{4}$ to $4\frac{1}{5}$
in ~~snout~~ head from snout end;
teeth very minute, small, apparently
uniserial; tongue convex in front;
small pore over each gill
opening. Gill opening broad, straight,
lateral, with broad isthmus below,
width equals snout.

2315

Scales small, crowded, present only on posterior fifth of body. abd caudal basally, about 13 or 14 scales in transverse series. About 35 muscular bands along body.

D. \bar{X} , 27 or 28, origin of fin about over middle of pectoral, fin height 2 to $2\frac{1}{5}$ in total ^{head} length; a. 33 or 34, fin height 2 to $2\frac{1}{8}$; pectoral $1\frac{2}{3}$ to $1\frac{3}{5}$, rays 16 or 17; ventral rays \bar{I} , 5, fin $1\frac{4}{5}$ to 2 in head; caudal long, pointed, $4\frac{1}{4}$ to $5\frac{1}{4}$ in rest of fish.

Light drab, with gray shades on head. Dark gray line obliquely up from behind end of maxillary to occiput. Also one above and another below pectoral base, while latter encircled in grayish area. Fins

pale or transparent.
Siam.

2316

A. N. S. P., no. 63078. Bangkok,
Siam. July 2-4, 1934. R. M. de
Schaensee. Length 74 mm. Type.

A. N. S. P., nos. 63079 to 63082.
Bangkok. R. M. de Schaensee.
May-July, 1934. Length 64 to 74
mm. Paratypes.

Taenioides gertrudae Fowler

Taenaeoides gertrudae Fowler,
Bull. Bishop Mus., vol. 22, p. 17,
1925 (type locality, Guam) (error).

Taenioides gertrudae Fowler, Mem.
Bishop Mus., vol. 10, p. 419, fig. 64,
1928 (types).

Depth $15 \frac{3}{4}$; head 7, width $2 \frac{3}{4}$.
Snout 4 in head measured from
upper jaw tip; eye $4 \frac{3}{5}$, $1 \frac{1}{4}$ in
snout, equals interorbital; maxillary
reaches first third in eye, little
inclined, length $2 \frac{7}{8}$ in head
measured from snout tip; lips
thin cover teeth; teeth conic, slender,
in bands in jaws, narrowing
uniserial near rictus, outer row

enlarged and recurved, especially in front of mandible; interorbital $4 \frac{3}{5}$, slightly convex. Gill-opening restricted, extends forward only about last fifth in head.

Body covered with minute, cycloid, firmly adherent scales.

D. 59, fin long, even, rather low, of simple flexible rays, last of which not joined to caudal by membrane and edge entire, third ray $2 \frac{3}{4}$ in total head length; A. 36, fifth ray $3 \frac{1}{4}$; caudal $1 \frac{1}{2}$, small, ends in median point behind; pectoral $2 \frac{1}{5}$, rounded, median ray longest; ventral 4, small, together though separate, inserted below pectoral base. Vent close before anal.

Back light isabelle color, paler - or more whitish on sides and beneath. Beginning on lower

2319

lip leaden drab to dusky clear cut narrow band, less in width than pupil, extends along side of snout, through eye, thence midway along trunk to caudal base and slightly reflected on median caudal rays basally. narrow dusky band from snout tip to dorsal origin. Dorsal whitish, with broad dusky neutral origin. Anal and caudal whitish, latter brownish terminally. Paired fins pal.

micronesia. Differs from the known species in the dark median brown band and the median predorsal brown band. It also has increased dorsal rays. Jaenioides gracilis Bleeker approaches, though without barbels and the dorsal and anal free from the tail.

B. P. Bishop Mus. no. 3411. Guam. ²³²⁰
July 13, 1923. H. G. Hornbostel. Length ¹⁰³_{mm.}
Type.

A. N. S. P., no. — , Guam.
July 26, 1923. H. G. Hornbostel.
Length mm. Paratype.

Taenioides gracilis (Valenciennes) ²³²¹

Amblyopus gracilis Valenciennes,
Hist. nat. Poiss., vol. 12, p. ⁽¹²⁵⁾166, 1837

(type locality, Pondicherry). —

Münther, Cat. Fish. Brit. Mus.,

vol. 3, p. 134, 1861 (East Indies).

— Mantens, Preuss. Exped. Ost. Asien,

vol. 1, p. 392, 1876 (Singapore).

— Bleeker, Verh. Batavia. Genoot.

(Blenn. Gob.), vol. 22, p. 38, 1849

(Surabaya); (hal. Ichth. Bengal)

vol. 25, p. 50, 1853 (reference).

Gobioides gracilis Day, Fishes of India,

pt. 2, p. 378, 1876 (Madras); Fauna

British India, Fishes, vol. 2, p. 298,

1889.

2322

Taenioides gracilis Herre, Gobies of
Philippines, p. 334, pl. 26, fig. 1, 1927
(Manila market; Malabon). —
Fowler, ~~Cat.~~ ^{List} Fish. Malaya, p. 222,
1937 (reference).

2323

Taenioides mordax (De Vis)

Leme mordax De Vis, Proc. Linn.
Soc. New South Wales, vol. 8, pt. 2, p.
286, July 17, 1883 (type locality,
Murray River, Queensland). —
Mc Culloch, Austral. Mus. Mem.,
no. 5, pt. 3, p. 380, Nov. 28, 1929
(reference).

— Mc Culloch and Ogilby, Records Austral.
Mus., vol. 12, no. 10, p. July 14, 1919
(Ripple Creek, Herbert R.; Cooktown).
— Mc Culloch and Whitley, Mem. Queensland
Mus., vol. 8, pt. 2, p. 172, July 7, 1925
(reference).

Taenioides nigrimarginatus Hora

Taenioides nigrimarginatus Hora,
Mem. Asiatic Soc. Bengal, vol. 6, p.
496, text-fig. 8, 1924 (type locality,
Singgora, Siam).

Echidna sauvagei Fowler, Proc. Acad. Nat. Sci. Phila., 1912, p. 30,

Fig. 8 (type locality, not given [=probably Hawaii]).

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2325

Taenioides purpurascens (De Vis)

Leme purpurascens De Vis, Proc. Linn. Soc. New South Wales, vol. 9, pt. 3, p. 698, Nov. 29, 1884 (type locality, Brisbane, Queensland).
— McCulloch and Whitley, Mem. Queensland Mus., vol. 8, pt. 2, p. 172, July 7, 1925 (reference).

— McCulloch, Austral. Mus. Mem., No. 5, pt. 3, p. 380, Nov. 28, 1929 (reference). — Whitley, Mem. Queensland

Mus., vol. 10, pt. 1, p. 21, Aug. 28, 1930 (Five mile Rocks, Yeronga, Brisbane R.).
Taenioides purpurascens Chabanand, Bull. Soc. Zool. France, vol. 52, p. 415, 1927.

Amblyopus niger De Vis, op. cit. (type locality, Queensland).

Gaenioides rubicundus (Buchanan-
Hamilton)

Gobioides rubicundus Buchanan-
Hamilton, Fishes of Ganges, p. 37, pl.
5, fig. 9, 1822 (type locality,
Estuaries of Ganges). — Day, Fishes
of India, pt. 2, p. 319, pl. 67, fig. 6,
1876 (Calcutta); Fauna British
India, Fishes, vol. 2, p. 301, 1889.
— Hardenberg, Treubia, vol. 13, livr. 1,
p. 145, July 1931 (Roban R. mouth, Sumatra).

Amblyopus rubicunda Swainson, Nat.
Hist. Animals, vol. 2, p. 279, 1839 (ref-
erence).

2327

Odontamblyopus rubicundus Herre,
Hong Kong Nat. Suppl., vol. 3, p. 34,
7 Feb. 1934 (Hong Kong).

Taenioides rubicundus Yamiyama,
Jap. Journ. Zool., vol. 7, no. 1, p. 102,
fig. 43, 1936 (Ariake Sound).

Amblyopus lacepedei Schlegel, Fauna
Japonica, Poiss., pt. 7-9, p. 146, pl.
75, fig. 2, 1845 (type locality, Fuzien;
Amura)

~~Amblyopus lacepedei~~ Bleeker, Verh.
Batavia Genoot. (hal. Delit. ^{Bengal} ~~Japan~~), vol. 25, p. 16, 1853ⁿ
(reference)

Taenioides lacepedei Jordan and
Snyder, Proc. U. S. Nat. Mus., vol.
24, p. 128, fig. 33, 1901 (Wakanoura).
Jordan and ~~Habbs~~, Mem. Carnegie Mus., vol. 10, no. 2, p.
4310, June 27, 1925 (Fukuoka).

Taenioides lacepedei Jordan and Snyder, Annot.
Zool. Japon., vol. 3, p. 114, 1901 (Nagasaki; Amura)

Taenioides lacepedei Franz, Abhandl.
Kon. Bayer. Akad. Wiss., vol. 1,
Suppl. Band 4, p. 69, 1910 (Sagami
Bay).

2329

Amblyopus hermanianus (not Lacepede)
Günther, Cat. Fishes Brit. Mus., vol. ,
p. 135, 1861 (Ganges R.; China; East
Indies). — Day, Fishes of Malabar,
p. 116, 1865. — Károli, Termesz.
Füzetek, Budapest, vol. 5, p. 168, 1881
(1882) (Sarawak, Sadong).

Yobioides peterseui Steindachner,

Sitzs. Ber. Akad. Wiss. Wien, vol. 102, pt. —, p. 235, 1893 (~~type locality, Svatow, China~~). — Rutter, Proc. Acad. Nat. Sci. Philadelphia, p. 87, 1897 (reference).

Anz. Akad. Wiss. Wien, Nr. 30, ~~1893~~, p. 151, May 18, 1893 (type locality, Svatow, China).

Trypanchen peterseui Chu, Biol. Bull. St. John's Univ., No. 1, p. 168, Jan. 1931 (reference).

Trypanchen peterseui Rendahl, Arkiv Zool. Svensk. Vetensk., Stockholm, band 16, No. 2, p. 31, 1924 (reference).

Taenioides abbotti Jordan and Starks, Proc. U. S. Nat. Mus., vol. 31, p. 524, fig. 4 (type locality, Port Arthur).

— Reeves, Journ. Pan-Pac. Res. Inst., vol. 2, No. 3, p. 13, July-Sep. 1927 (reference). — Chu, Biol. Bull. St. John's Univ., No. 1, p. 167, Jan. 1931 (reference).

2331

Taenioides petschiliensis Rendahl,
Arkiv för zool., Stockholm, vol.
16, no. 2, p. 31, 1925 (type locality,
Chihli, Pei Tai Ho).

Sericagobioides lighti Herre, Gobies
of Philippines, p. 335, pl. 26, fig. 2,
1927 (type locality, Amoy, China).

Iudagobioides nankaii Shaw, Bull.
Fan Mem. Inst. Biol., vol. 1, no. 1, p.
2, pl. , 2 text figs., 1929 (type
locality, Nankai). — Chu, Biol.
Bull. St. John's Univ., no. 1, p. 167,
Jan. 1931 (reference).

U. S. N. M., no. 49830. Wakanoura,
Kii, Japan. D. S. Jordan and
J. D. Snyder. Length 145 mm.
As Jaenoides lacepedii.

U. S. N. M., no. 75661. Probably
Japan. Length 147 mm. As
Jaenoides lacepedii.

U. S. N. M., no. 86075. China.
A. de C. Sowerby. Length 111 to 142
mm. Three examples.

U. S. N. M., no. 86380. China.
A. de C. Sowerby. Length 170 mm.
D. V - I - 40; A. 37. As Jaenoides
hermannianus.

U. S. N. M., no. 86512. China.
A. de C. Sowerby. Length 125 mm.
As Jaenoides hermannianus.
Depth $6\frac{1}{3}$; D. VI - 36; A. 37.

U. S. N. M., no. 86956. Foochow,
China. A. de C. Sowerby. Length
79 to 132 mm. Three examples.
As Amblyopus hermannianus.

U. S. N. M., no. 86955. Foochow,
China. A. de C. Sowerby. Length
186 mm.

2334

Taenioides rubistriatus (Saville-
Kent)

Amablyopus rubistriatus Saville-
Kent, Proc. Roy. Soc. Queensland,
vol. 6, pp. 223, 235, pl. 13, fig. 5, 1889
(type locality, Cambridge Gulf,
North West Australia). — McCulloch
Austral. Mus. Mem., no. 5,
pt. 3, p. 380, Nov. 28, 1939 (reference).

Taenioides rubistriatus ←

2335

Taenioydes
Caragobius typhlops (Smith and Seale)

Caragobius typhlops Smith and Seale,
Proc. Biol. Soc. Washington, vol. 19,
p. 81, fig., 1906 (1907) (Type locality,
Rio Grande, Mindanao, Philippine
Islands). — Jordan and Richardson,
Philippine Journ. Sci., p. 51, 1910
(reference). — Herre, Gobies of
Philippines, p. 287, pl. 23, fig. 1, 1927
(Rio Grande; types). — Roxas and
Martin, Depart. Agric. Comm. Manila,
Tech. Bull. 6, p. 235, 1937 (reference).

Depth 7; head $4\frac{3}{4}$, width $1\frac{3}{4}$. Snout $3\frac{3}{4}$ in head; eye dark underlaid dot; maxillary 3 in head measured to symphysis; mouth cleft oblique, short; lower jaw well protruded in front; teeth uniserial in jaws, about 14 in each, and none on palate; tongue small, rounded. Gill opening lateral, little broader than pectoral base.

Head naked, with numerous mucous pores. Postocular depression midway between eye and front of opercle with rough bony exposure. Posterior third of body scaly, 12 transversely between dorsal and anal.

D. VI, 30, first spine 3 in head, first ray $3\frac{1}{2}$; A. 34, ninth ray $4\frac{1}{4}$; Caudal $4\frac{1}{2}$,

rounded behind; pectoral ²³³⁷
length $1\frac{4}{5}$, base $2\frac{1}{5}$; ventral
 $1\frac{3}{4}$, fins united. Anal papilla
large.

In alcohol uniform yellowish
white.

Philippines.

U. S. N. M., no. 55619. Rio
Grande, Mindanao. Length
57mm. Type. Dr. Morse.

2338

Jaenoides wrolepis (Bleeker)

Amblyopus wrolepis Bleeker, Nat.
 Tijds. Ned. Indie, vol. 3, p. 581, 18
(Type locality, Palembang, in rivers);
Act. Soc. Sci. Ind. Neerl. (Acht.
Sumatra), vol. 8, p. 42, Feb.-Aug.
1859 (reference). — Günther, Cat.
Fish. Brit. Mus., vol. 3, p. 136, 1861
(copied).

2339

Genus Trypauchen Valenciennes

Trypauchen Valenciennes, Hist. Nat. Poiss., vol. 12, p. (115) 152, 1837.

(Type Gobius vagina Schneider, monotypic.)

Trypauchena Swainson, Nat. Hist. Animals, vol. 2, p. 279, 1839. (Type Gobius vagina Schneider, monotypic.)

Trypauchenichthys Bleeker, Act. Soc. Sci. Ind. Neerl. (Dert. Borneo), vol. 8, p. 63, 1860. (Type Trypauchenichthys typus Bleeker, orthotypic.)

Ctenotrypauchen Steindachner, Sitzs. Ber. Akad. Wiss. Wien, vol. 55, pt. 1, p. 530, 1867. (Type Ctenotrypauchen chinensis Steindachner, monotypic.)

Amblyotrypauchen Hora, Records Indian Mus., vol. 26, pt. 2, p. 160, March 1924. (Type Amblyotrypauchen fraseri Hora, monotypic.)

Body very elongate, compressed.
 Head compressed, with median
 ridge or keel on occiput. Eye
^{small, rudimentary.}
 advanced, in first third of
 head, about 1/2 of snout.
 Mouth very oblique, lower
 jaw prominent. Teeth in both
 jaw in 2 or 3 rows, outer one
 strongly enlarged, no canines.
 Tongue rounded. No barbels
 on head. Bony interorbital
 twice eye. Gill opening moderate.
 Stomach broad. No fleshy flap
 on inner edge of shoulder girdle.
 At upper edge of opercle a pit,
 which opens to a cavity, which
 separate from gill cavity. Scales
 about 100, cycloid. Head naked.
 Dorsal fins continuous, first
 with 6 simple rays and ^{second with} 41 to 49
 branched rays. Anal rays 40 to 46.
 Both fins connected with caudal

Family Trypanochelidae

2341
fin. Caudal pointed. Pectoral
small. Ventral very small,
with 1 simple and 5 branched
rays, below pectoral.

2342

Trypauchen chinensis (Steindachner)

Ctenotrypauchen chinensis Steindachner,
Sitzb. Ber. Akad. Wiss. Wien, vol. 55,
pt. 1, p. 530, pl. 6, figs. 3-4, 1867 (type
locality, China). — Fowler, Hong
Kong Nat., vol. 2, no. 4, p. 310, Nov. 1931
(note).

Trypauchen chinensis Günther, Rep.
Voy. Challenger, vol. 1, pt. 6, p. 53, 1880
(type off Hong Kong in 10 fathoms).
— Reeves, Journ. Pan-Pac. Res.
Inst., vol. 2, no. 3, p. 13, July-Sep. 1927
(reference). — Chu, Biol. Bull. St.
John's Univ., no. 1, p. 167, Jan. 1931
(reference).

Trypauchen vagina chinensis Tomiyama,
Jap. Journ. Zool., vol. 7, no. 1, p. 104,
1936 (reference).

Trypauchen fraseri (Hora)

Amblyotrypauchen fraseri Hora,
Records Indian Mus., vol. 26, pt. 2,
p. 160, text fig. 4 a, March 1924 (type
locality, Sandheads off the mouth
of the river Haghli, in 20 fathoms).

Caecula flavicauda (Snyder).

Sphagebranchus flavicaudus Snyder, Bull. U. S. Fish Comm., vol. 22, 1902 (1904), p. 516, pl. 2, fig. 4 (type locality, Between Maui and Lanai, in 21 to 28 fathoms; off northeast Hawaii, in 50 to 60 fathoms).—Jordan and Evermann, op. cit., vol. 23, pt. 1, 1903 (1905), p. 80, pl. 5, fig. 2 (type). Gilbert, op. cit., vol. 23, pt. 2, 1903 (1905), p. 588 (off Hawaii, between Maui and Lanai; in 23 to 66 fathoms).

Caecula flavicauda Fowler, Mem. Bishop Mus., vol. 10, 1928, p. 47 (Kahala, Oahu; type).

2344

Trypauchen microcephalus Bleeker

Trypauchen microcephalus Bleeker,
Act. Soc. Sci. Indo Néerl. (Dert.
Borneo), vol. 8, p. 62, 1860 (Type
locality, Sungiduri, Borneo). —
Günther, Cat. Fish. Brit. Mus.,
vol. 3, p. 137, 1861 (copied). —
Károli, Termesz. Füzetek, Budapest,
vol. 5, p. 168, 1881 (Singapore). —
Hardenberg, Traubia, vol. 13, livr. 3-4,
p. 417, fig. 6, Dec. 1931 (Seneboei near
Bagan Api Api, Sumatra); vol. 13, livr. 1,
p. 145, July 1931 (Rohau R. mouth).
— Banks, Eighteenth Rep. Sarawak Mus., p. 31, 1927.

Trypauchen vagina microcephalus
Taniyama, Jap. Journ. Zool., vol. 7, no.
1, p. 104, 1936 (Wakayama; Tanabe;
Kozima Sound; Murozumi; Ariake
Sound; Nagasaki; Kumamoto).

2345

Ctenotrypauchen microcephalus
Herre, Gobies of Philippines, p. 341,
1927 (type locality, La Libertad,
Oriental Negros). — Fowler, Cat.
Fish. Malaya, p. 221, 1937 (reference).

Trypauchen wakaie Jordan and Snyder,
Proc. U. S. Nat. Mus., vol. 24, p. 127, fig.
32, 1901 (type locality, Wakanoura;
Awari Bay; Kobe). — Franz, Abhandl.
Kon. Bayer. Akad. Wiss., vol. 4, Suppl.
Band 1, p. 244, pl. 9, fig. 71, 1910 (Misaki;
Aburatsubo). — Reeves, Journ. Pan-
Pac. Res. Inst., vol. 2, no. 3, p. 13,
July - Sep. 1927 (reference). — Chu,
Biol. Bull. St. John's Univ., no. 1, p.
168, Jan. 1931 (Hingpo). — Fowler,
Hong Kong Nat., vol. 2, no. 4, p. 310,
Nov. 1931 (note)

2346

Trypauchen sumatrensis (Hardenberg)

Trypauchenichthys sumatrensis
Hardenberg, Treubia, vol. 13, livr. 3-4,
p. 417, fig. 7, Dec. 1931 (type locality,
near Bagan Si Api Api); vol. 13,
livr. 1, p. 146, July 1931 (same locality).

Trypauchen typus (Bleeker)

2347

Trypauchenichthys typus Bleeker,
Act. Soc. Sci. Ind. Neerl. (Vert.
Borneo), vol. 8, p. 63, 1860 (type
locality, Sungai-duri, Borneo).

— Günther, Cat. Fish. Brit. Mus.,
vol. 3, p. 138, 1861 (copied).

— Jordan and Richardson, Bull.
Bur. Fisher., vol. 27, p. 279, 1908
(Cagayanillo); Philippine Journ. Sci.,
p. 51, 1910 (reference). — Hora, Rec.
Indian Mus., vol. 26, p. ~~157~~ 157, 1924
^{Mem. Asiatic Soc. Bengal, vol. 6, p. 497, 1924 (Ningora)}
(^{Singapore} Tale Sap, Siam); — Herre, Gobies
of Philippines, p. 340, 1927 (Cagayanillo).

— Károli, Termesz. Füzetek, Budapest, vol. 5, p.
168, 1881 (1882) (hatang).

Trypauchen vagina typus Taniyama, Jap.
Journ. Zool., vol. 7, no. 1, p. 104, 1936
(reference).

Trypauchen vagina (Schneider) 2348

Gobius vagina Schneider, Syst. Ichth.
Bloch, p. 73, 1801 (type locality,
Tranquerah).

Trypauchen vagina Valenciennes, Hist.
Nat. Poiss., vol. 12, p. (115), pl. 350,
1837 (Bombay; Pondichery).

— Richardson, Ichth. China and
Japan, p. 206, 1846 (Hong Kong; Macao;
Chusan; Woosung). — Bleeker,

Verh. Batavia Genoot. (Madura),
vol. 22, p. 5, 1849 (Kammal); ^{(Blenn. Gob.) vol. 22, p. 37, 1849 (Sjilatjof; Surabaja; Kammal; Rangiuwang);} Nat.

— Tijds. Ned. Indie, vol. 3, p. 409, 1852
(Wampit); vol. 5, p. 154, 1853

(Macassar); vol. 10, p. 347, 1856

(Rio, Bintang); vol. 16, p. 196, 1858

(Sinhawang); Act. Soc. Ind. Neerl.

(Sumatra) vol. 8, p. 11, 1859 (Priaman);

(No. 7, vol. 5, p. 2, 1858-59 (Sinhawang, Borneo);

(Acht. Sumatra) vol. 8, p. 42, Feb. - Aug. 1859
(reference).

Nat. Tijds. Ned. Indie, vol. 20, pp. 216,
 450, 1859-60 (Singapore). — Günther,
 Cat. Fish. Brit. Mus., vol. 3, p. 137,
 1861 (Madras; Pinang; Amoy; East Indies)
 — Day, Fishes of Malabar, p. 118, 1865.
 — Bleeker, Ned. Tijds. Dierk., vol. 2,
 p. 58, 1865 (Amoy). Verslag. Kon.
 — Kner, Reise Novara, Fische, p. 197, 1865 (Java). — Bleeker,
 Abad. Wet. Amsterdam, ser. 2,
 vol. 2, p. 293, 1868 (Rio Bintang).
 — Day, Journ. Asiatic Soc. Bengal, vol. 39, ser. 2, p. 35, 1870 (hancow in Malabar).
 — Marlens, Preuss. Exped. Ost-Asien,
 vol. 1, p. 393, 1876 (Canton). — Day,
 Fishes of India, pt. 2, p. 320, Pl.
 68, fig. 2, 1876 (Calcutta).
 — Bleeker, Ned. Tijds. Dierk., vol. 4, p. 129, 1872 (1874) (reference).
 — Günther, Rep. Voy. Challenger, vol. 1,
 pt. 6, p. 55, 1880 (Hong Kong), p. 67
 (Kobe). — Peters, Monatsber. Abad.
 Wiss. Berlin, p. 923, 1880 (Ningpo).
 — Sauvage, Bull. Soc. Philom.
 Paris, ser. 7, vol. 5, p. 106, 1881 (Swatow).
 — Rutter, Proc. Acad. Nat. Sci.
 Philadelphia, p. 87, 1897 (Swatow).
 — Károli, Termesz. Füzetek, Budapest, vol. 5,
 p. 168, 1881 (1882) (Sarawak, Hadang). — Day,
 Fauna British India, Fishes, vol. 2, p. 302, fig. 100f, 1889.
 — Jordan and Snyder, Annot. Zool. Japon., vol. 3, p. 114,
 1901 (Kobe). — Duncker, Naturh. Mus. Hamburg, Mitteil.,
 vol. 21, p. 161, 1903 (1904) (reference).

— Franz, Abhandl. Bayer. Akad. Wiss.,
vol. 4, Suppl. Band 1, p. 244, 1910

(Yokohama) — Seale, Philippine

Journ. Sci., vol. 9, pt. 1, p. 77, 1914 ¹⁹¹³
— Gilchrist and Thompson, Ann. South African Mus., vol. 13, p. 82 (1914)

(Hong Kong) — Rendahl, Arkiv
för Zool., Stockholm, vol. 16, no. 2,

p. 30, 1924 (China; Shensiang R.)
— Hara, Mem. Asiatic Soc. Bengal, vol. 6, p. 497, 1924 (Singapore)

— Herre, Gobies of Philippines, p. 338,

pl. 26, fig. 3, 1927 (Amoy; Hoikow,
Hainan; Fuchow; Hong Kong; Calcutta).

— Reeves, Journ. Pan-Pac. Res.

Inst., vol. 2, no. B, p. 13, July-Sep.

1927 (reference) — Chu, Biol. Bull.

St. John's Univ., no. 1, p. 168, Jan.

1931 (reference) — Fowler, Hong Kong

Nat., vol. 2, no. 4, p. 319, Nov. 1931

(Hong Kong) — Herre and Myers,

Lingnan Sci. Journ., vol. 10, nos. 2-3,

p. 250, Aug. 1931 (Canton) — Herre,

Hong Kong Nat. Suppl., no. 3, p. 35, Feb.

1934 (Hong Kong) — Fowler, Proc. Acad.

Nat. Sci. Philadelphia, vol. 86, p. 161,

1934 (Bangkok, Siam); vol. 87, p. 163, 1935
(Bangkok; Paknam); vol. 89, p. 257, 1937
(Yachin); Hist. Fish. Malaya, p. 222, 1938 (reference).

- Gypsauchen vagina Bleeker,
 Nat. Tijds. Ned. Indie, vol. 20,
 pp. 216, 450, 1859-60 (Singapore).
 — Günther, Cat. Fish. Brit. Mus.,
 vol. 3, p. 137, 1861.
 — Day, Fishes of India, pt. 2, p. 340,
 pl. 68, fig. 2, 1876.

- Whitley, Records Austral. Mus., vol. 15, no.
 5, p. 303, April 6, 1927 (Bowen, Queensland).
 — Fowler, Mem. Bishop Mus., vol. 10, p.
 419, 1928 (type of Gobioides totoyensis).
 — Hardenberg, Treubia, vol. 13, livr. 1, p. 145,
 July 1931 (Rohon R. mouth, Sumatra).
 — Fowler, List Fish. Malaya, p. 222, 1938
 (reference).

Trypauchen vagina vagina Tomiyama,
Jap. Journ. Zool., vol. 7, no. 1, p. 104,
1936 (Tainan, Formosa).

Trypaeuchen vagina Bleeker, Verh.
Batavia, Genoot. (Nal. Ich. Bengal),
vol. 25, p. 50, 1853 (reference).

Trypaeuchena vagina Swainson, Nat. Hist.
Animals, vol. 2, p. 279, 1839. (~~Not~~ copied).
— Cantor, Journ. Asiatic Soc. Bengal, vol.
18, pt. 2, p. 1172, 1849 (1850) (Penang).

Gobioides ruber Buchanan-Hamilton,
Fishes of Ganges, pp. 38³⁶⁵, 1822 (type
locality, Estuary below Calcutta).
— Hoda, Mem. Indian Mus., vol. 9, p.
185, pl. 18, fig. 2, 1929.

Gobioides totoyensis Garman, Bull.
Mus. Comp. Zool., vol. 39, no. 8, p. 235,
1903 (type locality, Totoya, Fiji).
pl. 3, figs. 1-2,

— Jordan and Seale, Bull. Bur. Fisher.,
vol. 25, p. 411, 1905 (1906) (reference).

Ctenotrypauchen barnardi Hora, Rec.
Indian Mus., vol. 28, ^{pt. 4,} p. 221, text figs.
1-2, ^{Dec.} 1926 (type locality, Coasts of
Natal, South Africa).
— Barnard, Ann. South African Mus.,
vol. 21, pt. 2, p. 830, Oct. 1927 (Natal;
Delagoa Bay; in 2 to 14 fathoms).

U. S. N. M., no. 6380. Probably
China. William Stimpson?
Length 100 mm., caudal mostly
broken off.

U. S. N. M., no. 39968. Japan.
R. Hitchcock. Length 78 to 88
mm. Two examples.

U. S. N. M., no. 49807. Owaru
Bay, Japan. Bureau of Fisheries.
Albatross Expedition. Length

92 to 114 mm. Four examples. As
Trypanchea wakae.

U. S. N. M., no. 49829. Wakanoura,
Kii, Japan. D. S. Jordan and
J. D. Snyder. Length 79 mm. As
Trypanchea wakae.

U. S. N. M., no. 49868. Wakanoura.
A. Austin. D. S. Jordan and J. D.
Snyder. Length 75 to 93 mm.
Two examples. "Cotypes" of
Trypanchea wakae.

U. S. N. M., no. 57704. Japan.
D. S. Jordan and J. D. Snyder.
Length 87 to 93 mm. Two examples.
As Trypanchea wakae.

U. S. N. M., no. 86379. China.
A. de C. Sowerby. Length 89 mm.

U. S. N. M., no. 86958. Foochow,
China. A. de C. Sowerby. Length
116 to 145 mm. Five examples.

U. S. N. M., no. 103350.
Chantabun Estuary, South East
Siam. June 12, 1926. Dr. H. M.
Smith. Length 170 mm.

U. S. N. M., no. 103351. Menam
Chao Phya at Paknam, Central
Siam. June 12, 1923. Dr. H. M.
Smith. Length 157 mm.