

XLII.—LIST OF THE FISHES DISTRIBUTED BY THE UNITED STATES FISH COMMISSION.

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I beg leave to present herewith a list of the fishes which receive attention from the United States Fish Commission, giving the oldest available specific name of each species as far as this can be determined at present. The name of the striped bass, *Roccus lineatus*, is in doubt; it seems probable that we must use Mitchell's name (*striatus*) instead of *lineatus*, the specific name *lineatus* being, apparently, not available until we reach Cuvier and Valenciennes in 1828. The synonymy of species which have been introduced from Europe is borrowed, for the most part, from Günther's catalogue. For American authors the references have all been verified. No attempt was made to furnish a complete synonymy, only the principal works having been consulted. The distribution of the species is briefly indicated.

1. *Solea vulgaris* Quensel. SOLE.

Pleuronectes solea LINNÉ, Syst. Nat., I, 1766, p. 457.

Solea vulgaris QUENSEL, Vet. Akad. Handl., 1806, p. 467; GÜNTHER, Cat. Fish.

Brit. Mus., IV, 1862, p. 463.

Coasts of Europe. Attempts were made to introduce it into America by the U. S. Fish Commissioner in 1878, 1879, and 1880.

2. *Rhombus maximus* (L.) Cuv. TURBOT.

Pleuronectes maximus LINNÉ, Syst. Nat., I, 1766, p. 459.

Rhombus maximus CUV., Règne Anim., II, 1817, 222; GÜNTHER, Cat. Fish. Brit.

Mus., IV, 1862, p. 407.

Coasts of Europe. Account of introduction. Report, Part IX, LIV.

3. *Gadus morrhua* L. COD.

Gadus callarias LINNÉ, Syst. Nat., I, 1766, p. 436 (young); GÜNTHER, Cat. Fish.

Brit. Mus., IV, 1862, p. 329; JORDAN & GILBERT, Bull. 16, U. S. Nat. Mus., 1883, p. 804.

Gadus morrhua L., Syst. Nat., I, 1766, p. 436; GÜNTHER, Cat. Fish. Brit. Mus.

IV, 1862, p. 328; and of recent American writers generally.

Morrhua Americana STORER, Rep. Fish. Mass., 1839, p. 120; DE KAY, Nat. Hist. N.

Y., I, 1842, p. 274, pl. XLIV, fig. 140.

North Atlantic and Pacific; on the coast of the United States extending southward to Virginia; in the Pacific, from Puget Sound northward to the ice-line in Bering Sea and westward to the Okhotsk.

4. *Scomber scombrus* L. MACKEREL.

Scomber scomber L., Syst. Nat., I, 1766, p. 492; SCHN. ex BLOCH, Syst. Ichth., 1801,

p. 24; GÜNTHER, Cat. Fish. Brit. Mus., II, 1860, p. 357.

4. *Scomber scombrus* L., continued.

Scomber scombrus CUV. AND VAL., Hist. Nat. Poiss., VIII, 1831, p. 6; GOODE, Game Fishes U. S., 1879, part five, p. 21, with colored plate; JORDAN & GILBERT, Bull. 16, U. S. Nat. Mus., p. 424, and of most American authors at the present time.

Scomber vernalis MITCHILL, Trans. Lit. and Phil. Soc. N. Y., I, 1815, p. 423; (DE KAY, Nat. Hist. N. Y., I, 1842, p. 101, pl. XII, fig. 34); STORER, Syn. Fish. N. A., 1846, p. 90.

North Atlantic; credited also to the Pacific as an occasional visitor.

5. *Scomberomorus maculatus* (Mitch.) Jor. & Gill. SPANISH MACKEREL.

Scomber maculatus MITCHILL, Trans. Lit. and Phil. Soc. N. Y., I, 1815, p. 426.

Cybbium maculatum GÜNTHER, Cat. Fish. Brit. Mus., II, 1860, p. 372; HOLBROOK, Ichth. S. C., 1860, p. 68, pl. IX, fig. 1; GOODE, Game Fishes U. S., 1879, part second, p. 9, with colored plate.

Scomberomorus maculatus JORDAN & GILBERT, Bull. 16, U. S. Nat. Mus., 1883, p. 426.

East coast of the United States from Cape Cod south to Florida; Gulf of Mexico.

6. *Micropterus dolomieu* Lacépède. SMALL-MOUTH BLACK BASS.

Micropterus dolomieu LACÉPÈDE, Hist. Nat. Poiss., IV, 1802, pp. 324-326; JORDAN & GILBERT, Syn. Fish. N. A., 1833, p. 485.

Bodianus achigan RAFINESQUE, Amer. Month. Mag., &c., II, 1817, p. 120.

Micropterus achigan GOODE, Game Fishes, U. S., 1879, part second, p. 11, with figure in text.

Calliurus punctulatus RAFINESQUE, Ichth. Ohien., 1820, p. 26.

Cichla fasciata LE SUEUR, Journ. Acad. Nat. Sci. Phila., II, p. 216.

Grystes salmoides CUVIER & VALENCIENNES, Hist. Nat. Poiss., III, 1829, p. 54.

Micropterus salmoides GILL, Proc. Amer. Assoc. Adv. Sci., 1873, p. 67; JORDAN, Man. Vert. N. U. S., ed. 1, 1876, p. 230, and ed. 2, 1878, p. 236.

Grystes salmonoides GÜNTHER, Cat. Fish. Brit. Mus., I, 1859, p. 252.

? *Centrarchus fasciatus* DE KAY, Nat. Hist. N. Y., Fish., 1842, p. 28, pl. 3, fig. 8 (bad); GÜNTHER, Cat. Fish. Brit. Mus., I, 1859, p. 258.

Centrarchus obscurus DE KAY, Nat. Hist. N. Y., Fish., 1842, p. 30, pl. 17, fig. 48 (47 on the plate).

Great Lake region; Mississippi Valley south to Arkansas; introduced into the Eastern United States, and now becoming abundant from New England to South Carolina. Introduced into England from the United States.

7. *Roccus striatus* Mitch. STRIPED BASS.

Roccus striatus MITCHILL, Rep. Fish. N. Y., 1814, p. 25.

Labrax lineatus C. & V., Hist. Nat. Poiss., II, 1828, p. 79; DEKAY, Nat. Hist. N. Y., 1842, Fish., p. 7, pl. I, fig. 3; STORER, Synopsis Fish. N. A., 1846, p. 21; HOLBROOK, Ichth. S. C., 1855, p. 17, pl. IV, fig. 1; GÜNTHER, Cat. Fish. Brit. Mus., I, 1859, p. 64; STORER, Hist. Fish. Mass., 1867, p. 6, pl. I, fig. 4.

Roccus lineatus GILL, Proc. Acad. Nat. Sci. Phila., 1860, p. 64; GOODE, Game Fishes U. S., 1879, part third, p. 13, with colored plate of young.

Perca mitchilli MITCHILL, Trans. Lit. and Phil. Soc. N. Y., I, 1815, p. 413.

Atlantic coast from the Saint Lawrence to Florida; Gulf of Mexico; (?) Lower Mississippi Valley (Bean); everywhere entering rivers.

8. *Roccus americanus* (Gmel.) Jor. & Gill. WHITE PERCH.

Perca americana GMELIN, Syst. Nat., I, iii, 1789, p. 1308.

Labrax americanus HOLBROOK, Ichth. S. C., 1860, p. 20, pl. III, fig. 2.

Morone americana GILL, Proc. Acad. Nat. Sci. Phila., 1860, p. 116.

Roccus americanus JORDAN & GILBERT, Syn. Fish. N. A., 1883, p. 530.

Morone rufa MITCHILL, Rep. Fish. N. Y., 1814, p. 18.

B. *Roccus americanus*, continued.

Labrax rufus DE KAY, Nat. Hist. N. Y., Fish., 1842, p. 9, pl. 3, fig. 7; GÜNTHER, Cat. Fish. Brit. Mus., I, 1859, p. 65; STORER, Hist. Fish. Mass., 1867, p. 9, pl. I, fig. 1.

Morone pallida MITCHILL, Rep. Fish. N. Y., 1814, p. 18.

Labrax pallidus DE KAY, Nat. Hist. N. Y., Fish., 1842, p. 11, pl. 1, fig. 2; GÜNTHER, Cat. Fish. Brit. Mus., I, 1859, p. 67.

Perca mucronata RAFINESQUE, Amer. Month. Mag., &c., II, 1818, p. 205.

Labrax mucronatus CUVIER & VALENCIENNES, Hist. Nat. Poiss., II, 1828, p. 86.

Eastern coast of United States from Cape Cod to Florida, ascending streams. Frequently land-locked in fresh-water ponds.

9. *Chætodipterus faber* (Brouss.) Jor. & Gilb. MOON-FISH; PORGY (Chesapeake).

Chatodon faber BROUSSONET, Ichth. Decas., I, v, t. 4, 1782 (*vide* Jor. & Gilb.).

Ephippus faber C. & V., Hist. Nat. Poiss., VII, 1831, p. 213; DE KAY, Nat. Hist. N. Y., Fish., 1842, p. 97, pl. XXIII, fig. 68; HOLBROOK, Ichth. S. C., 1835, p. 108, pl. XV, fig. 1 and 1860, p. 110, pl. XV, fig. 1; GÜNTHER, Cat. Fish. Brit. Mus., II, 1860, p. 61.

Chatodipterus faber JORDAN & GILBERT, Bull. No. 16, U. S. National Museum (Syn. Fish. N. A.), 1883, p. 613.

Atlantic coast of the United States from New York to Florida; Gulf of Mexico; West Indies; warm portions of the Pacific north to San Diego (Jor. & Gilb.).

10. *Coregonus clupeiformis* (Mitch.) Milner. COMMON WHITEFISH.

Salmo clupeiformis MITCHILL, Amer. Month. Mag., II, 1818, p. 321.

Coregonus clupeiformis MILNER, in JORDAN, Man. Vert. N. U. S., ed. 2, 1878, p. 362; JORDAN & GILBERT, Syn. Fish. N. A., 1883, p. 299; BEAN, Bull. No. 27, U. S. Nat. Mus., 1883, Sec. F., p. 36.

Coregonus albus LE SUEUR, Journ. Acad. Nat. Sci. Phila., I, 1818, p. 231; DE KAY, Nat. Hist. N. Y., Fish., p. 247 (not represented on pl. LX, fig. 198; GÜNTHER, Cat. Fish., Brit. Mus., VI, 1866, p. 184.

Great Lakes: British America, west at least to Manitoba; the young have been distributed as widely as New Zealand.

11. *Coregonus lavaretus* Linné. MARENÉ.

Coregonus lavaretus LINNÉ, Syst. Nat., I, 1766, p. 512; KRÖYER, Danm. Fisk., III, p. 55.

Salmo marana BLOCH, Syst. Ichth., I, p. 172; III, pp. 148, 164, taf. 27.

Coregonus marana NILSSON, Prodr., p. 15; C. & V., Hist. Nat. Poiss., XXI, 1848, p. 441, pl. 629.

Coregonus fera, C. & V., Hist. Nat. Poiss., XXI, p. 472.

Great Lakes of Switzerland, Tyrol, Pomerania, Mockleuberg, and Sweden (Günther). Introduced into Lake Gardner, Michigan, by the U. S. Commissioner in 1877.

12. *Salvelinus fontinalis*, (Mich.), Gill. & Jor. BROOK TROUT.

Salmo fontinalis MITCHILL, Trans. Lit. & Phil. Soc. N. Y., I, 1815, p. 435; RICHARDSON, F. B.—A., 1836, p. 176, pl. 83, fig. 1; DE KAY, Nat. Hist. N. Y., Fish., 1842, p. 235, pl. XXXVIII, fig. 120; GÜNTHER, Cat. Fish. Brit. Mus., VI, 1866, p. 152.

Baione fontinalis DE KAY, Nat. Hist. N. Y., Fish., 1842, p. 244, pl. XX, fig. 58.

Salmo erythrogaster DE KAY, Nat. Hist. N. Y., Fish., 1842, p. 236, pl. XXXIX, fig. 126.

Salvelinus fontinalis, GILL & JORDAN, Proc. U. S. Nat. Mus., I, 1878, p. 82; GOODE, Game Fishes U. S., 1879, part first, p. 7, with colored plate; JORDAN & GILBERT, Syn. Fish. N. A., 1883, p. 320; BEAN, Bull. No. 27, U. S. Nat. Mus., 1883, p. 41.

Rivers and lakes of British America and of the northern parts of the United States and Appalachian Range (Goode). Introduced westward and southward.

13. *Salvelinus namaycush* (Walb.) Goode. LAKE TROUT.

Salmo namaycush WALBAUM, Artedi Gen. Pisc., 1792, p. 68; RICHARDSON, F. B.-A., 1836, p. 179, pl. 79, and pl. 85, fig. 1 (head); KIRTLAND, Bost. Journ. Nat. Hist., iv, 1842, p. 25, pl. iii, fig. 2 (bad); GÜNTHER, Cat. Fish. Brit. Mus., vi, 1866, p. 123.

Salmo amethystus MITCHILL, Journ. Acad. Nat. Sci., Phila., I, 1818, p. 410; DE KAY, Nat. Hist. N. Y., Fish, 1842, p. 240, pl. 76, fig. 241; STORER, Syn. Fish. N. A., 1846, p. 193.

Salar Namaycush VALENCIENNES in C. & V., Hist. Nat. Poiss, XXI, 1848, p. 348.

Cristivomer namaycush GOODE, Game Fishes U. S., 1879, part eight, p. 33, with colored plate.

Salvelinus namaycush JORDAN & GILBERT, Syn. Fish. N. A., 1883, p. 317.

Great Lakes, lakes of Northern New York, New Hampshire, Maine, and north eastward.

14. *Salvelinus salvelinus* (L.). SÄLBLING; BAVARIAN CHAR.

Salmo salvelinus LINNÉ, Syst. Nat., I, 1766, p. 511; CUVIER & VALENCIENNES, Hist. Nat. Poiss., XXI, 1848, p. 246; GÜNTHER, Cat. Fish. Brit. Mus., VI, 1866, p. 126.

Salmo umbla AGASSIZ, Poiss. d'eau douce, pl. 9.

Alpine lakes of Bavaria and Austria (Günther). Introduced into Plymouth, Massachusetts, by the U. S. Fish Commission.

15. *Salmo irideus* Gibbons. RAINBOW TROUT.

Salmo iridea GIBBONS, Proc. Cal. Acad. Nat. Sci., I, 1855, pp. 36, 37.

Salmo trideus GÜNTHER, Cat. Fish. Brit. Mus., VI, 1866, p. 119; SUCKLEY, Rep. U. S. Com'r Fish and Fisheries, Part II, 1874, p. 129; JORDAN & GILBERT, Syn. Fish. N. A., 1883, p. 312.

Salar iridea GIRARD, Proc. Acad. Nat. Sci., Phila., 1856, p. 220; and U. S. Pacif. R. R. Exped., Fish, 1858, p. 321, pl. 73, fig. 5, and pl. 74.

Streams west of the Sierra Nevada, from near the Mexican line (Rio San Luis Rey) to Oregon (Jor. & Gilb.). Reared artificially in large numbers by the U. S. Fish Commission on the McCloud River in California, and thence distributed eastward and across the Pacific.

16. *Salmo salar* Linné. ATLANTIC SALMON.

Salmo salar LINNÉ, Syst. Nat., i, 1766, p. 509; MITCHILL, Trans. Lit. and Phil. Soc. N. Y., 1815, p. 434; RICHARDSON, F. B.-A., 1836, p. 145; STORER, Rep. Fish., &c., Mass., 1839, p. 104; DE KAY, Nat. Hist. N. Y., Fish, 1842, p. 241, pl. 38, fig. 122; GÜNTHER, Cat. Fish. Brit. Mus., VI, 1866, p. 11; STORER, Hist. Fish. Mass., 1867, p. 142, pl. xxv, fig. 2; SUCKLEY, Rep. U. S. Com'r Fish and Fisheries, Part II, 1874, p. 104; GOODE, Game Fishes U. S. 1879, part first, p. 5, with colored plate; JORDAN & GILBERT, Syn. Fish. N. A., 1883, p. 312.

North Atlantic, ascending rivers in Northern Europe and America. In the eastern United States the range of the species has been extended, by the efforts of the U. S. Fish Commission, southward to the Susquehanna River.

17. *Salmo salar* subsp. *sebago* Girard. LAND-LOCKED-SALMON.

Salmo sebago GIRARD, Proc. Acad. Nat. Sci., Phila., 1853, p. 380; SUCKLEY, Rep. U. S. Com'r Fish and Fisheries, Part II, 1874, p. 143; GÜNTHER, Cat. Fish. Brit. Mus., VI, 1866, p. 153.

Salmo gloveri GIRARD, Proc. Acad. Nat. Sci., Phila., 1854, p. 85; GÜNTHER, Cat. Fish. Brit. Mus., VI, 1866, p. 153.

Saint Croix River and lakes of Maine. Extensively introduced into other lakes and into streams southward. The young have been found in abundance in North Carolina, where the Commission introduced the species.

18. *Salmo fario* Linné. RIVER TROUT.

Salmo fario TURFON, Brit. Faun., p. 103; DONOVAN, Brit. Fish., iv, pl. 85; FLEMING, Brit. Anim., p. 181; RICHARDSON, F. B.-A., III, 1836, p. 144, pl. 92, fig. 3 A and B (head); JENYNS, Man. Vert., p. 424; YARRELL, Brit. Fish., 2d edit., ii, p. 85, and 3d edit., i, p. 261; DAY, Fish. Great Brit. and Ireland, Part V, 1882, p. 95, pls. CIX, fig. 3, CXIII, CXIV, and CXVI, fig. 1.

Salmo fario ausonii GÜNTHER, Cat. Fish. Brit. Mus., VI, 1866, p. 64.

A non-migratory species, inhabiting numerous fresh waters of Central Europe, Sweden, and England; rivers of the maritime Alps (Günther). Recently introduced into America.

19. *Oncorhynchus chouicha* (Walb.) Jor. & Gilb. QUINNAT SALMON.

Salmo tshawytscha WALBAUM, Art. Gen. Pisc., 1792, p. 71.

Oncorhynchus choweecha GOODE, Game Fishes U. S., part ten, p. 41, with colored plate.

Oncorhynchus chouicha JORDAN & GILBERT, Syn. Fish. N. A., 1883, p. 306; BRAN, Bull. No. 27, U. S. Nat. Mus., Sec. F, 1883, pp. 32, 38.

Salmo orientalis PALLAS, Zoög. Ross. Asiatic., III, 1831, p. 367; CUVIER & VALENCIENNES, Hist. Nat. Poiss., XXI, 1848, p. 356.

Oncorhynchus orientalis GÜNTHER, Cat. Fish. Brit. Mus., VI, 1866, p. 159 (fig. of head).

Salmo quinnat RICHARDSON, F. B.-A., III, 1836, p. 219; STORER, Syn. Fish. N. A., 1846, p. 196; SUCKLEY, Nat. Hist. Wash. Terr., p. 321; Rep. U. S. Com'r Fish and Fisheries, Part II, 1874, p. 105; GIRARD, U. S. Pacif. R. R. Exped., Fish., 1858, p. 306, pl. LXVII.

Oncorhynchus quinnat GÜNTHER, Cat. Fish. Brit. Mus., VI, 1866, p. 158.

West coast of the United States from Montepoy Bay northward, ascending the Sacramento, Columbia, and other rivers in great numbers; northward to Bering Strait. Extensively reared artificially by the U. S. Fish Commission on the Pacific coast, and widely distributed across seas.

20. *Clupea sapidissima* Wilson. SHAD.

Clupea sapidissima WILSON, Rees's Encycloped. (Amer. edit.); catalogued, but not described [See STORER, Syn. Fish. N. A., 1846, p. 206]; RAFINESQUE, Amer. Month. Mag., Vol. II, Jan. 1814, p. 205; JORDAN & GILBERT, Syn. Fish. N. A., 1883, p. 267.

Clupea alosa MITCHELL, Trans. Lit. and Phil. Soc. N. Y., I, 1815, p. 449.

Alosa vulgaris STORER, Rep. Fish., &c., Mass., 1839, p. 116.

Alosa preestabilis DE KAY, Nat. Hist. N. Y., Fish., 1842, p. 255, pl. 15, fig. 41; STORER, Hist. Fish., Mass., 1867, p. 154, pl. XXVI, fig. 2.

Alosa sapidissima LINSLEY, Cat. Fish. Conn., Silliman's Journ., XLVII; STORER, Syn. Fish. N. A., 1846, p. 206; GILL, Cat. Fish. N. A., 1873, p. 33; JORDAN, Man. Vert. E. U. S., ed. i, 1876, p. 265, and ed. ii, 1878, p. 278.

Atlantic coast of North America from Newfoundland to Florida, ascending rivers to spawn; Gulf of Mexico, ascending rivers of the Mississippi Valley (since its introduction by the U. S. Fish Commission); Pacific coast of the United States from California to Oregon; introduced by the U. S. Fish Commission from the East.

21. *Clupea vernalis* MITCHELL. BRANCH HERRING.

Clupea vernalis MITCHELL, Trans. Lit. and Phil. Soc. N. Y., I, 1815, p. 454; JORDAN & GILBERT, Syn. Fish. N. A., 1883, p. 267.

Pomolobus vernalis GOODE & BEAN, Bull. Essex Inst., 1879, p. 24.

Clupea pseudoharengus WILSON, Rees's Encycloped.

Pomolobus pseudoharengus GILL (part), Rep. U. S. Com'r Fish and Fisheries, Part I, 1873, p. 811.

Alosa vernalis STORER, Rep. Fish., &c., Mass., 1839, p. 114.

Atlantic coast of North America from Newfoundland to Florida, ascending

21. *Clupea vernalis* MITCHILL, continued.
far up the streams; land-locked in Cayuga, Seneca, and other lakes of Western New York; Lake Ontario (probably introduced with shad), and now appearing in myriads in the Upper Saint Lawrence River.
22. *Clupea æstivalis* MITCHILL. GLUT HERRING.
Clupea æstivalis MITCHILL, Trans. Lit. and Phil. Soc. N. Y., I, 1815, p. 456;
JORDAN & GILBERT, Syn. Fish. N. A., 1883, p. 267.
Pomolobus æstivalis GOODE & BEAN, Bull. Essex Inst., 1879, p. 24.
Pomolobus pseudoharengus GILL (part), Cat. Fish. E. Coast N. A., 1873, p. 33.
Alosa tyrannus STORER, Hist. Fish. Mass., 1867, p. 156, pl. xxvi, fig. 3 (not of De Kay).
Atlantic coast of the United States, entering streams, but apparently not ascending much beyond tidal waters; it arrives later than the preceding.
23. *Clupea harengus* LINNÉ. SEA HERRING.
Clupea harengus LINNÉ, Syst. Nat., I, 1766, p. 522; GÜNTHER, Cat. Fish. Brit. Mus., vii, 1868, p. 415; GILL, Cat. Fish. E. Coast N. A., 1873, p. 33; JORDAN & GILBERT, Syn. Fish. N. A., 1883, p. 265.
Clupea elongata LE SUEUR, Jour. Acad. Nat. Sci., Phila., I, p. 234; STORER, Rep. Fish., &c., Mass., 1839, p. 111; DE KAY, Nat. Hist. N. Y., Fish., 1842, p. 250; STORER, Hist. Fish., Mass., 1867, p. 152, pl. XXVI, fig. 1.
Atlantic, abundant on the European and American coasts. Spawns in the fall, and has been artificially reared at Gloucester and elsewhere by the U. Fish Commission.
24. *Cyprinus carpio* LINNÉ. CARP.
Cyprinus carpio LINNÉ, Syst. Nat., I, 1766, p. 525; GÜNTHER, Cat. Fish. Brit. Mus., VII, 1868, p. 25; JORDAN & GILBERT, Syn. Fish. N. A., 1883, p. 254.
"Varieties of the integuments:"
"Cyprinus nudus BLOCH, Fische Deutschl., iii, p. 178 (Leder-Karpfen)."
"Cyprinus specularis LACÉP.," Hist. Nat. Poiss., v, p. 528."
Temperate parts of Asia, in fresh water; introduced into Europe and North America; widely distributed in the United States by the U. S. Fish Commission.
25. *Carassius auratus* (L.) BLEEKER. GOLD-FISH.
Cyprinus auratus LINNÉ, Syst. Nat., I, 1766, p. 527.
Carassius auratus BLEEKER, "Cypr., p. 255, and Atl. Ichthyol. Cypr., p. 74;"
GÜNTHER, Cat. Fish. Brit. Mus., VII, 1868, p. 32; JORDAN & GILBERT, Syn. Fish. N. A., 1883, p. 253.
Japan; China; introduced into Europe and the United States; now well established in many of our eastern streams.
26. *Leuciscus idus* (L.) subsp. *orfus* L. GOLDEN IDE.
Cyprinus orfus LINNÉ, Syst. Nat., I, 1766, p. 530.
Leuciscus orphus CUVIER & VALENCIENNES, Hist. Nat. Poiss., xvii, 1844, p. 224.
"Idus melanotus var. HECKEL & KNER, Süeswasserf., p. 150."
Central and northern parts of Continental Europe (Günther); introduced into the United States by the U. S. Fish Commission, but not yet distributed.
27. *Tinca vulgaris* (L.) CUVIER. TENCH.
Cyprinus tinca LINNÉ, Syst. Nat., I, 1766, p. 526 (trinca).
Tinca vulgaris CUVIER, Règne Anim., II, 1817, 193; CUVIER & VALENCIENNES, Hist. Nat. Poiss., xvi, 1842, p. 322, pl. 484; GÜNTHER, Cat. Fish. Brit. Mus., VII, 1868, p. 264.
Europe; introduced into the United States by the U. S. Fish Commission. Occasionally found in the Potomac River, into which it has escaped from the ponds in Washington.