

XX.—LIST OF FISHES COLLECTED AT WOOD'S HOLE.

BY S. F. BAIRD.

All the species of fishes in the following list (121 in number) were collected by the United States Commission during the season of 1871, with the exception of a few taken there the following year by Vina N. Edwards, and of *Lactophrys trigonus* and *Hippocampus hudsonius*, given by Dr. Storer as taken at Holme's Hole, or Vineyard Haven. A complete collection was secured for the National Museum, together with many duplicates for distribution to college and other museums throughout the country, and for exchange. Of all taken in 1871, photographs were made on plates, 11 × 14 inches, representing the fishes either of life size or as reduced to within the above dimensions, and in their different ages and varieties, thus showing the rate of growth, and other facts.

At some future time I hope to present detailed biographies and descriptions of all the species, with suitable figures.

MOLA ROTUNDA (Cuv.)	The Sun-Fish.
TETRODON LÆVIGATUS L.	The Smooth Swell-Fish.
CHILICHTHYS TURGIDUS (Mitch.) Gill.	The Rough Swell-Fish.
CHILOMYCTERUS GEOMETRICUS (L.) Kaup.	The Box-Fish.
LACTOPHRYS TRIGONUS (L.) Poey.	The Trunk-Fish.
ALUTERA CUSPICAUDA DeKay.	The Brown File-Fish.
CERATACANTHUS AURANTIACUS (Mitch.) Gill.	The Orange File-Fish.
STEPHANOLEPIS SETIFER (Ben- nett) Gill.	The Standard File-Fish.
BALISTES VETULA, Linn.	The Trigger-Fish—The old wife.
HIPPOCAMPUS HUDSONIUS DeKay.	The Sea-Horse.
SYNGNATHUS PECKIANUS Storer.	The Pipe-Fish.
LOPHIUS AMERICANUS DeKay.	The Goose-Fish—The Monk-Fish.
ACHIRUS LINEATUS (L.) Cuv.	The Hog-Choker; the Sole.
PSEUDOPLEURONECTES AMERI- CANUS (Walb.) Gill.	The Common Flat-Fish.
MYZOPSETTA FERRUGINEA (Sto- rer) Gill.	The Rusty Flat-Fish.
CHÆNOPSETTA OCELLARIS (De- Kay) Gill.	The Common Flounder.

CHÆNOPSETTA OBLONGA (Mitch.) Gill.	The Four-spotted Flounder.
HIPPOGLOSSUS AMERICANUS Gill.	The Halibut.
LOPHOPSETTA MACULATA (Mitch.) Gill.	The Spotted Turbot.
AMMODYTES AMERICANUS DeKay.	The Sand-Eel—The Sand-Launce.
MERLUCIUS BILINEATUS (Mitch.) Gill.	The Silver Hake—The Whiting.
POLLACHIUS CARBONARIUS (L.) Bon.	The Pollock.
GADUS MORRHUA (L.)	The Cod-Fish.
MICROGADUS TOMCODUS (Walb.) Gill.	The Tom-Cod.
MELANOGRAMMUS ÆGLEFINUS (L.) Gill.	The Haddock.
PHYCIS CHUSS (Walb.) Gill.	The Hake.
LEPTECHENEIS NAUCRATES (L.) Gill.	The Sucker.
LEPTECHENEIS NAUCRATEOIDES (Zuiew.) Gill.	The Sucker.
RHOMBOCHIRUS OSTEOCHIR (Cuv.) Gill.	The Sucker.
REMOROPSIS BRACHYPTERA (Lowe) Gill.	The Sucker.
ECHENEIS REMORA L.	The Sucker.
BATRACHUS TAU L.	The Toad-Fish.
CYCLOPTERUS LUMPUS L.	The Lump-Fish.
MURÆNOIDES MUCRONATUS (Mitch.) Gill.	The Rock-Eel.
COTTUS OCTODECEM-SPINOSUS Mitch.	The Sculpin.
COTTUS MITCHILLI DeKay.	Mitchill's Sculpin.
DACTYLOPTERUS VOLITANS (L.) Cuv. and Val.	The Flying Gurnard.
PRIONOTUS EVOLANS (Linn.) Gill.	The Striped Sea-Robin.
PRIONOTUS CAROLINUS (L.) Cuv. and Val.	The Carolina Sea-Robin.
HEMITRIPTERUS ACADIANUS (Walb.) Storer.	The Sea-Raven.
CYNOSCION REGALIS (Bl.) Gill.	The Weak-Fish—The Squeteague.
LIOSTOMUS OBLIQUUS (Mitch.) Cuv. and Val.	The Lafayette.
MENTICIRRUS NEBULOSUS (Mitch.) Gill.	The King-Fish.
PIMELEPTERUS BOSCHII (Lac.)	Bosc's Pimelepterus.
STENOTOMUS ARGYROPS (L.) Gill.	The Scup—The Porgy.

LOBOTES SURINAMENSIS (Bl.Schn.) Cuv.	The Flasher.
TAUTOGA ONITIS (L.) Gthr.	The Tautog.
TAUTOGOLABRUS ADSPERSUS (Walb.) Gill.	The Cunner.
CENTROPRISTES ATRARIUS (L.)	The Sea-Bass.
ROCCUS LINEATUS (Bl.) Gill.	The Striped Bass—The Rock-Fish.
MORONE AMERICANA (Gmel.) Gill.	The White Perch.
POMATOMUS SALTATRIX (L.) Gill.	The Blue-Fish.
ELACATE CANADUS (L.)	The Cobia.
XIPHIAS GLADIUS (L.)	The Sword-Fish.
HISTIOPHORUS GLADIUS (Brouss.) Lac.	The Sail-Fish.
TETRAPTURUS ALBIDUS Poëy.	The Bill-Fish—The Spear-Fish.
PALINURICHTHYS PERCIFORMIS (Mitch.) Gill.	The Rudder-Fish.
PORONOTUS TRIACANTHUS (Peck) Gill.	The Butter-Fish.
SCOMBER SCOMBRUS Linn.	The Common Mackerel.
CYBIUM MACULATUM (Mitch.) Gill.	The Spanish Mackerel.
CYBIUM REGALE (Bloch) Cuv. and Val.	The Cero, or King-Fish.
SARDA PELAMYS (L.) Cuv.	The Bonito.
ORCYNUS SECUNDI-DORSALIS (Sto- rer) Gill.	The Horse-Mackerel.
ORCYNUS ALLITERATUS (Raf.) Gill.	The Small Tunny.
VOMER SETIPINNIS (Mitch.) Ayres.	The Horse-Fish.
DECAPTERUS PUNCTATUS (Mitch.)	The Dotted Scad.
DECAPTERUS MACARELLUS (C. and V.)	The Mackerel Scad.
TRACHUOPS CRUMENOPHTHAL- MUS (Bl.) Gill.	The Big-eyed Scad.
PARATRACTUS PISQUETOS (Cuv. and Val.) Gill.	The Yellow Crevallé.
CARANGUS HIPPOS (Linn.) Gill.	The Horse-Crevallé.
BLEPHARICHTHYS ORINTUS (Ak- erly) Gill.	The Thread-Fish.
TRACHYNOTUS OVATUS (L.) Gthr.	The Round Pompano.
TRACHYNOTUS CAROLINUS (L.) Gill.	The Common Pompano—The Cre- vallé.
HALATRACTUS ZONATUS (Mitch.) Gill.	The Northern Pilot.
MUGIL LINEATUS Mitch.	The Mullet.
CHIROSTOMA NOTATA (Mitch.) Gill.	The Sand-Smelt—The Friar.
APELTES QUADRACUS (Mitch.) Br.	The Four-spined Stickle-Back.
GASTEROSTEUS BIACULEATUS Shaw.	The Two-spined Stickle-Back.

PYGOSTEUS DEKAYI (Ag.) Brev.	DeKay's Stickle-Back.
BELONE LONGIROSTRIS (Mitch.) Gill.	The Silver Gar—The Bill-Fish.
SCOMBERESOX SCUTELLATUS Les.	The Skipper.
CYPRINODON VARIEGATUS Lac.	The Mummichog.
FUNDULUS PISCULENTUS (Mitch.) Cuv. and Val.	The Mummichog.
FUNDULUS MULTIFASCIATUS (Les.) Val.	The Mummichog.
HYDRARGYRA MAJALIS (Walb.) Val.	The Mummichog.
SALMO SALAR L.	The Salmon.
OSMERUS MORDAX (Mitch.) Gill.	The Smelt.
EXOCÆTUS MELANURUS Val.	The Flying-Fish.
ENGRAULIS VITTATA (Mitch.) B. & G.	The Anchovy.
BREVOORTIA MENHADEN (Mitch.) Gill.	The Menhaden.
ALOSA SAPIDISSIMA (Wilson) Storer.	The Shad.
POMOLOBUS PSEUDO-HARENGUS (Wilson) Gill.	The Alewife.
POMOLOBUS MEDIOCRIS (Mitch.) Gill.	The Fall-Shad—The Tailor-Shad.
CLUPEA ELONGATA Les.	The Sea-Herring.
CONORHYNCHUS MACROCEPHALUS (Lac.) Gill.	The Lady-Fish.
ELOPS SAURUS L.	The Big-eyed Herring.
CONGER OCEANICA (Mitch.) Gill.	The Conger-Eel.
ANGUILLA BOSTONIENSIS (Les.) DeKay.	The Eel.
ÆLURICHTHYS MARINUS (Mitch.) Baird and Girard.	The Sea Cat-Fish.
ACIPENSER OXYRHYNCHUS Mitch.	The Sharp-nosed Sturgeon.
ACIPENSER BREVIROSTRIS Les.	The Blunt-nosed Sturgeon.
RHINOPTERA QUADRILoba (Les.) Cuv.	The Cow-nosed Ray.
MYLIOBATIS FREMENVILLEI Les.	The Sharp-headed Ray.
PTEROPLATEA MACLURA (Müll. and Henle).	The Butterfly-Ray.
TORPEDO OCCIDENTALIS Storer.	The Torpedo—The Cramp-Fish.
TRYGON CENTRURA (Mitch.) Gill.	The Sting-Ray.
RAIA ERINACEA Mitch.	The Prickly Skate.
RAIA LÆVIS Mitch.	The Barn-door Skate.
RAIA DIAPHANA Mitch.	The Summer-Skate.
IUROPSIS DEKAYI Gill.	The Mackerel-Shark.

CARCHARODON ATWOODI (Storer) Gill.	The Man-Eater.
EUGOMPHODUS LITTORALIS Gill.	The Sand-Shark.
ALOPIAS VULPES (L.) Bon.	The Thrasher-Shark.
SPHYRNA ZYGÆNA (L.) Müll. and Henle.	The Hammer-head Shark.
EULAMIA MILBERTI (Müll. and Henle) Gill.	The Blue-Shark.
EULAMIA OBSCURA (Les.) Gill.	The Dusky Shark.
GALEOCERDO TIGRINUS Müll. and Henle.	The Tiger-Shark.
MUSTELUS CANIS (Mitch.) DeKay.	The Smooth Dog-Fish.
SQUALUS AMERICANUS (Storer) Gill.	The Horned Dog-Fish.
SQUATINA DUMERILI.	The Angel-Fish.
PETROMYZON AMERICANUS Les.	The Lamprey-Eel.