

are found, but the sturgeon is doubtless primitively, an anadromous ocean fish. The greatlake trout (*Cristivomer namaycush*, Walb.), the speckled char or brook trout (*Salvelinus fontinalis*, Mitch.), the lesser whitefish (*Argyrosomus arctedi*, LeSeur), the sea salmon (*Salmo salar*, Linn.), as also the black spotted trout (*S. Clarkii*) of Albertan waters, the inconnu of the Mackenzie, and various Arctic and Pacific salmon and trout are absent, and bear out the geologists view that the Manitoba system of lakes and rivers is unconnected with the eastern and western drainage systems, and is really the remnant of a northern expansion of the Missouri and Mississippi system with an outflow to the south. The presence of the gold-eye, (*Hiodon chrysopsis*, Richardson), an ally of the Clupeidae, a very plentiful and excellent food-fish, emphasize the separateness of this aquatic area, while the presence of the sturgeon and of the methy or lake ling, (*Lota maculosa*, LeSeur), indicates connection with the sea such as the geologists have demonstrated occurred owing to subsidence at various epochs. Such universally distributed species as the pikes or jack-fishes (of which two species occur *Lucius lucius*, Linn., and *Lucius masquinongy*, Mitchell) and both of exceptionally good table qualities as well as the bearded eat-fishes and carp-like suckers occur but the glutinous nature of their eggs may explain their dispersion. The following list of species is believed to include most of the fishes authentically known to occur, but many other species await discovery in this extensive area of waters where investigations so far have been fragmentary and inadequate.

LIST OF MANITOBA FISHES.

Family *Petr. myzontidæ*—

Ichthyamyzon castaneus, Girard. The Northern Lamprey.

Family *Acipenseridæ*—

Acipenser rubicundus, Lesueur. The Lake Sturgeon.

Acipenser sturio, Linnaeus. The Common Sturgeon.

Family *Siluridæ*—

Ictalurus punctatus, Rafinesque. Channel or Spotted Catfish.

Ameiurus lacustris, Walbaum. Great Lake Catfish or Mathemeag.

Ameiurus vulgaris, Thompson. The Dark Catfish.

Ameiurus nebulosus, LeSueur. Common Bullhead or Horned Pont.

Family *Catostomidæ*—

Ictiobus cyprinella, Cuv. and Valenciennes. Buffalo-fish.

Ictiobus bubalis, Rafinesque. The White or Small Mouth Buffalo-fish.

Catostomus catostomus, Forster. Northern Sucker.

Catostomus commersonii, Lacepede. Common White Sucker.

Carpodes velifer, Rafinesque. The Quillback Sucker.

Moxostoma anisurum, Rafinesque. White-nosed Red Horse.

Moxostoma aureolum, LeSueur. The Mullet or Red Horse.

Moxostoma leueuri, Richardson. Northern Red Horse.

Family *Cyprinidæ*—

Hybognathus nuchalis, Agassiz. The Silver Minnow.

Hybognathus argyritis, Girard. The White Minnow.

Pimphales promelas, Rafinesque. The Fathead or Bull Minnow.

Notropis blennioides, Girard. Straw-coloured Minnow.

Notropis hudsonius selene, Starr Jordan. The Shiner, Spawn Eater.

Notropis jejunos, Forbes. The Poor Minnow.

Notropis atherinoides, Rafinesque. The Great Minnow.

Hybopsis storerianus, Kirtland. Storer's Minnow.