

33.—AMERICAN LAND-LOCKED SALMON AND LAKE TROUT IN FRANCE.

[Extract from Proceedings of the Society of Acclimatization.*]

Prof. Spencer F. Baird announces his intention of making a shipment to the society soon of 15,000 land-locked salmon eggs (*Salmo salar* var. *Sebago*). Mr. Raveret-Wattel recalls in this connection that the land-locked salmon of North America, which is not a migratory fish, and the conditions of whose existence thus resemble those of the trout, would be a very interesting species to acquire for our fresh waters, considering the excellent quality of its flesh and the rapidity of its growth.

The president of the Linnæan Society of the North of France sends a report on the results yielded by the eggs of lake trout and of *Salmo namaycush* sent to that society.

PARIS, FRANCE, *March*, 1883.

34.—NUMBER OF EGGS IN THE GADIDÆ.

By MATTHIAS DUNN.

[From the Zoologist for March, 1884.]

Last week I was fortunate to get hold of two of the *Gadidæ* heavy with roe. The first was *Gadus pollachius*, or the whiting pollack of Couch, of about 12 pounds weight, the roe of which was 15 ounces. On weighing a half grain, and counting them and computing the number, I found it contained 4,200,000 eggs. My next fish was the *Gadus virens*, or the coal-fish of Couch, and 21 pounds weight the roe being 33 ounces. Here I again weighed and counted a half grain, and on working out the result I found it to contain 8,260,000 ova. There was not the least difficulty at getting at these results. After allowing the eggs to remain in boiling water a few minutes they readily separated, and a magnifying glass and needle soon told the story. From these figures I think we may reasonably expect that whiting pollacks of 20 pounds weight may be expected to give about 7,000,000 eggs, and coal-fish of 30 pounds weight full 12,000,000 of eggs.†

MEVAGISSEY, CORNWALL, *January 22*, 1884.

* Bulletin Mensuel de la Société Nationale d'Acclimatation de France. Mars, 1883. p. 173.

† Some further estimates of the number of eggs in the *Gadidæ* will be found in Report U. S. F. C. 1878, pp. 733-4. Mr. R. E. Earll there reports a 23½ lb. pollack or coal-fish (*G. virens*) to have contained 4,029,200 eggs; and a 70 lb. cod (*G. macrocephalus* Gunther) to have contained over 9,000,000 eggs.—C. W. S.