Report sent to:
Water Refining Co., Fort Wayne, Ind.
Mr. Floyd Young, Lincoln Park Aquarium, Chicago.
C. M. Breder, Jr., New York Aquarium, N. Y.
Walter Chute, Shedd Aquarium, Chicago.

December 29, 1931

## Report No. 111

## GENERAL STATEMENT REGARDING USE OF IRON TRAP FILTERS IN MAINTAINING FISH

It is a pleasure to report that we have been using with marked success two "Iron Trap Filters" for a period of about a year and a half.

In a closed circulating system, in which the water is pumped through one of these filters on each circuit, we maintain a water of crystal clarity, free from suspended matter, with reduced organic content with reduced bacterial content and without a trace of parasitic fungus spores according to repeated tests.

Throughout this entire period, in which we have maintained several hundred fish, we have never suffered a single lose which we could ascribe to disease. This is true despite the fact that we have been handling adult sunfish which are very quarrelsome and often break one another's skin and fins.

This record we believe to be unique in aquarium history, and we ascribe the remarkable result to the use of the "Iron Trap Filter".

It is our opinion that these filters, or probably preferably the modified type known as "Carbox Filter", should be used in the large public aquaria. It is probable also that the filters will prove valuable in fish hatcheries as well, and also in trucks and railroad cars designed for the transportation of live fish.

INSTITUTE FOR FISHERIES RESEARCH