

July 30, 1930

Report No. 20

REPORT ON A SINGLE SPECIMEN OF PERCH COLLECTED BY C. O. W. ENNIS
FROM HALF MOON LAKE, SECTIONS 5 and 6, SEVILLE TOWNSHIP, GRATIOT
COUNTY, MICHIGAN.

Specimen 120 mm. in length and preserved in formalin. State of preservation good.

Numerous large white irregular cysts were found around the eye-balls. These were found to be solid masses of protozoan parasites belonging to the Order Myxosporidia.

This group of parasites is common in fish and causes epidemics among them in aquaria and in nature.

In the specimen examined the infection seemed to be confined to the region of the eye. The brain was not effected. The visceral organs and muscles were negative. The digestive system was empty and there was no surplus food material in the visceral cavity in the form of fat.

The myxosporidian is sufficient cause for distress or death. These myxosporidian parasites are common among the perch and trout-perch in Douglas Lake, Cheboygan County, Michigan, where they cause heavy losses during July and August.

From observations made on the fish of Douglas Lake, it seems reasonable to conclude that the available food supply of the fish has a more or less direct bearing on the susceptibility of the fish to these protozoan parasites. Unless general

conditions in the lake can be improved, which might be possible at some future time, there is nothing that can be done about this situation.

Report prepared by Wendell H. Krull,
Fish Pathologist

/s/ Carl L. Hubbs

Carl L. Hubbs
Director

CC to C.O.W. Ennis