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FISH DIVISION

June 29, 1932

Report 155

DISEASED YELLOW PIKE FROM BAY CITY

The diseased "yellow pike" (Pike perch or walleye) specimens from Bay City, Michigan, submitted for parasite identification by General Biological Supply House, were duly received.

The excessively developed wart-like excrescences on the skin are of not uncommon occurrence at that locality. The disease is known as "lymphocystis". The causative organism appears to be unknown. Myxosporidian sporozoans, bacteria and cell proliferation (cancer) have all been suspected. We enclose a copy of a brief informational report covering this disease of yellow pike in Saginaw Bay.

Since the Institute no longer is carrying a fish pathologist on its active staff, we have had to engage an assistant in the parasitology division of our Zoology Department to make the identifications requested. He looked over the parasites sent in separately, and also searched the internal organs of the specimens for more. He found 7 species, as indicated on the following list.

Report of Mr. Kwang Wu on parasites from

Stizostedion vitreum, from Bay City, Mich.

Host: Stizostedion vitreum Mitchill

Locality: Michigan

Parasites:

Trematoda:

1. Bucephalus pusillus (Staff) Woodhead

2. Azygia angusticauda (Staff) Manter

Cestoda:

1. Bothriocephalus cuspidatus Cooper
2. Bothriocephalus sp. nov.

Nematoda:

1. Daguiithoides cetylophora Ward & Magath

Acanthocephale:

1. Neoechinorhynchus tenellus (VanC.) VanC.

Copepode:

1. Argulus sp.?

The fish specimens and identified parasites are being returned.

INSTITUTE FOR FISHERIES RESEARCH

Carl L. Hubbs  
Director.

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