

Parasite Studies
 Newton Kingston
 Parasitology
 Div. Microbiology & Vet. Medicine
 University of Wyoming
 Project Number 167

The following researches were carried out at the Jackson Hole Research Station during the period July 27 to August 2, 1970.

Result of grouse collections: Nil. Hunting of grouse in the vicinity of the Park is not a feasible method of collection in the limited time available. Dr. J. C. Holmes has agreed to make specimens of Brachylecithum available (these are presently in hand); feasibility of studying potential second intermediate hosts in Grand Teton National Park remains to be determined.

Terrestrial snails of three species involved in the life cycle of Brachylecithum orfi were collected along the edge of the Snake River. These will be cultivated in the laboratory and used in carrying out the life cycle of this fluke.

Other parasitological investigations:

<u>Species</u>	<u>No.</u>	<u>Results</u>
<u>Microtus montanus</u> * ^x	6 ¹	2 spp. tapeworms, 5 spp. mites, 1 nematode
<u>Mustela</u> spp.*	3	Ticks, mites, lice, flukes
<u>Canis latrans</u>	1	Flukes, tapeworms, nematodes

*Supplied through the kind offices of Dr. A. Pinter.

¹No. limited owing to population crash in spring, 1970.

^xDr. Pinter has made spring and late summer collections of Microtus available; consequently, a somewhat larger sample than is indicated here is available.

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