

PARASITES OF ALASKAN VERTEBRATES
Host-Parasite Index

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Parasites of Alaskan Vertebrates

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This host-parasite index has demanded much by way of time and patience on the part of the authors. While not as complete as any of us desire, it does cover most of the pertinent literature and brings together, under one cover, a surprising amount of information obtained in one area, which from the ecological viewpoint, is one of the most interesting in the Nearctic Region.

In a task such as this, good secretarial help is invaluable; therefore, I take this opportunity to acknowledge the assistance of Mrs. Joyce Markman and Mrs. Gilda Olive.

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Cluff E. Hopla
Project Director

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INTRODUCTION

This host-parasite index for the Vertebrates of Alaska has been prepared as part of a survey of the literature on zoonotic diseases and parasites of that state.

The fleas, Siphonaptera, have been omitted in this compilation but are treated in a separate publication.

The sources and type of information used for this index have been so diverse that it has been considered impractical or impossible to be consistent in the arrangement of the data.

The general scheme of arrangement is as follows:

- Mammals
 - Insectivora
 - Chiroptera
 - Carnivora
 - Pinnipedia
 - Primates
 - Rodentia
 - Rodents exclusive of Microtinae
 - Microtinae only
 - Lagomorpha
 - Artiodactyla
 - Cetacea
- Land Birds
- Water (and Marine) Birds
- Fish
- Amphibia and Reptiles

Host genera are arranged alphabetically under the Order.

These sections are followed by an alphabetical list of the parasites and identification of their group affinity as Acanthocephala, Anoplura, Acarina, etc.

A bibliography of the literature referred to is included.

The parasite records are usually arranged in chronological order under the host name as follows:

- | Scientific name of host | Common name of host |
|--|---------------------|
| 1. Parasite name including author and date of description. | |
| 2. Parasite name, author and date of description. | |
| 3. Etc. | |
| Notes if any | |
| (Author or authors of reference and date) | |

The writers are aware of some deficiencies and a few omissions in this index. Once the manuscript was prepared any change required alteration in three or four places.

It is hoped this compilation will be useful and it may be possible to prepare a supplement at a later date.

ACKNOWLEDGEMENTS

In the search for literature the writers have been assisted by the Librarians at the Arctic Health Research Center, The Arctic Aeromedical Laboratory, The Rocky Mountain Laboratory and by many correspondents and associates.

Host-Parasite List of Mammals

INSECTIVORA

Microsorex hoyi - Pigmy shrew

Hymenolepis sp. (Undescribed)

Larval nematode

(Dunagan, 1957C)

Sorex cinereus - Masked shrew

Hymenolepis falculata

Hymenolepis parva

Hymenolepis schilleri

Various localities

(Voge and Rausch, 1955)

Hymenolepis sphenomorphus

Anchorage

(Voge and Rausch, 1955)

Tanana River and Huslia River

(Dunagan, 1956)

Hymenolepis horrida

Hymenolepis sphenomorphus Locker and Rausch, 1952

Capillary sp. (?)

Ascarophis sp.

Spirurid larvae

(Dunagan, 1957C)

Sorex cinereus streatoris - Masked shrew

Hymenolepis parva n. sp. Rausch and Kuns, 1950

Anchorage

(Rausch and Kuns, 1950)

Sorex jacksoni - St. Lawrence Island shrew

Echinococcus sp.

St. Lawrence Island

(Thomas and Babero, 1956A)

(Authors doubt if Echinococcus sibiricensis is a distinct species.)

Sorex obscurus - Dusky shrew

Hymenolepis parva n. sp. Rausch and Kuns, 1950

Tolugak Lake

(Rausch and Kuns, 1950)

Hymenolepis falculata

Hymenolepis intricatus

Hymenolepis parva

Hymenolepis sphenomorphus

Various localities; Anchorage

(Voge and Rausch, 1955)

Sorex obscurus alascensis - Dusky shrew
Hymenolepis parva n. sp. Rausch and Kuns, 1950
Juneau
(Rausch and Kuns, 1950)
Dispharynx soricis n. sp. Tiner, 1951
"Unidentified species of Coccidia"
Juneau
(Tiner, 1951A)

Sorex palustris - Water shrew
Hymenolepis parva
Various localities
(Voge and Rausch, 1955)

Sorex tundrensis - Trowbridge shrew
Hymenolepis sp. (Undescribed)
Huslia River
Ascarophis sp.
(Dunagan, 1957C)
Echinococcus multilocularis
St. Lawrence Island
(Rausch and Yamashita, 1957)

CHIROPTERA

Myotis lucifugus - Little brown myotis
Prosthodendrium duboisi sp. n. Neiland, 1962
Prosthodentrium alaskensis sp. n. Neiland, 1962
Juneau
(Neiland, 1962B)

Myotis lucifugus alascensis - Little brown myotis
Spinturnix americanus (Banks)
Portage Cave, Revillagigedo Island 1-VII-09, Hasselborg, Collector.
(Peterson, 1965, correspondence)

CARNIVORA

Alopex lagopus - Arctic fox
Echinococcus sp.
St. Lawrence Island
(Rausch, 1952B); (Rausch, 1953D)
St. Lawrence Island and Komandorskii Islands
(Rausch, 1953C)

Alopex lagopus - Arctic fox (continued)

Echinococcus sibiricensis n. sp. Rausch and Schiller, 1954

St. Lawrence Island and other localities

(Rausch and Schiller, 1954)

St. Lawrence Island

(Meyers, 1955); (Schiller, 1955B)

Echinococcus multilocularis

Arctic coast at Icy Cape, Wainwright and Brooks Range

(Rausch, 1956A); (Rausch, 1960B)

St. Lawrence Island

(Rausch and Schiller, 1956B)

Gambell

(Dunagan, 1957C)

Echinococcus sp.

St. Lawrence Island

(Thomas and Babero, 1956B)

Taenia sp.

Uncinaria stenocephala

(Dunagan, 1957C)

Taenia polyacantha Leuckart, 1856

Taenia crassiceps (Zeder, 1800) = Taenia hyperborea Von Linstow, 1905

(Rausch, 1959A)

Diphyllobothrium dalliae Rausch, 1956

Experimental infection

(Hilliard, 1960)

Echinococcus multilocularis

Various places

(Rausch and Nelson, 1963)

Toxascaris leonina

St. Lawrence Island

(Dunagan, 1957C)

Alopex lagopus inuitus - Arctic fox

Linognathus setosus (Olfers) (not "setesus")

Cross Island

(Weber, 1950)

Alopex pribilofensis - Pribilof fox

Suricatoecus vulpis (Denny, 1842) (Recorded 2♀♀ from this host.

Record has been questioned and further collections are desirable.)

Pribilof Islands

(Jellison, 1952A)

Alopex sp. - Arctic fox

Taenia polyacantha Leuckart, 1856

Taenia crassiceps (Zeder, 1800) = Taenia hyperborea Von Linstow, 1905

(Rausch, 1959A)

Echinococcus spp., Study of E. granulosus and E. alveolaris

(Lubinsky, 1960A)

Alopex sp. - Arctic fox (continued)

Taenia crassiceps (Zeder, 1880)

Arctic coast

(Freeman, 1962)

Echinococcus multilocularis

(Fay and Rausch, 1964)

Alopex sp. - Blue fox

Linognathus setosus (Olfers)

(Ferris, 1919-1935)

Trichinella spiralis

(Brandley and Rausch, 1950)

Antarctophthirus callorhini (Osborn)

Proechinophthirus fluctus (Ferris)

(Jellison, 1952)

Echinococcus granulosus (Batsch)

St. Lawrence Island

(Sweatman, 1952)

Toxascaris leonina (Von Linstow, 1902)

Trichinella spiralis (Owen)

Adak

(Schiller, 1952C)

Microphallus pirum Afanas'ev, 1941

Phocitrema fusiforme Goto and Ozaki, 1930

(Rausch, 1953A)

Trichinella spiralis

16 of 222 infested

(Rausch et al., 1956A)

Uncinaria stenocephala

Toxascaris leonina

Taenia pisiformis

St. Lawrence Island

(Thomas and Babero, 1956A)

Uncinaria stenocephala

St. Paul Island

(Olsen, 1958)

(Foxes not infested with seal hookworm, Uncinaria lucasi Stiles)

Alopex sp. and Canis sp. - Dogs and Arctic foxes

Echinococcus sp.

(Rausch, 1952A)

Distemper-like disease

(Reinhard, 1952); (Reinhard, 1953); (Reinhard, Rausch and Geary, 1955)

Taenia polyacantha Leuckart, 1856

Taenia crassiceps (Zeder, 1800) = Taenia hyperborea Von Linstow, 1905

(Rausch, 1959A)

Diplogonoporus balaenoptera Lönnerberg, 1892

Anchorage

(Rausch, 1964C)

(A parasite of whales and other marine mammals)

Canis domesticus - Domestic dog

Echinococcus granulosus

(Hadwen and Palmer, 1922)

Metorchis albidus (Braun, 1893)

(Freeman and Ackert, 1937)

Trichinella spiralis

(Brandley and Rausch, 1950)

St. Lawrence Island

(Rausch, 1951C)

Echinococcus sp.

(Rausch, 1951C)

Metorchis albidus (Braun, 1893)

Kotzebue

Cryptocotyle lingua (Creplin, 1825)

(Babero and Rausch, 1952)

Echinococcus granulosus

(Sweatman, 1952); (Rausch, 1952B)

Toxocara canis (Werner, 1782)

Trichinella spiralis (Owen)

Adak

(Schiller, 1952C)

Echinococcus granulosus alveolaris

St. Lawrence Island

(Anon. A, 1953, Alaska's Health)

Echinococcus sp.

(Pauls, 1953)

St. Lawrence and Komandorskii Islands

(Rausch, 1953C)

Trichinella spiralis

(Pauls, 1953)

Echinococcus granulosus

(Rausch, 1953D)

Echinococcus sibiricensis n. sp. Rausch and Schiller, 1954

St. Lawrence Island and other localities

(Rausch and Schiller, 1954)

Trichinella spiralis

102 of 225 dogs infested

(Rausch et al., 1956A)

Diphyllobothrium dalliae n. sp. Rausch, 1956

Dog experimental host or natural host?

(Rausch, 1956B)

Echinococcus sibiricensis

St. Lawrence Island

(Rausch and Schiller, 1956B)

Leptospira pomona

Leptospira canicola

Nome

(Schiller, 1956B)

(Serological tests only)

Canis domesticus - Domestic dog (continued)

Diphylobothrium alascense n. sp. Rausch and Williamson, 1958

Chevak Village

(Rausch and Williamson, 1958)

Diphylobothrium osmeri (Von Linstow, 1878)

Experimental infection

Diphylobothrium cordatum (Leuckart, 1863)

Tanunak, natural infection

(Hilliard, 1960)

Schistocephalus solidus (Muller, 1776)

Diphylobothrium alascense Rausch and Williamson, 1958

Natural infection

Diplogonoporus balaenoptera Lönning, 1892

Natural infection

(Hilliard, 1960)

Echinococcus granulosus

17 of 414 dogs examined were infected

(Rausch, 1960B)

Echinococcus multilocularis

5 of 89 dogs infested from St. Lawrence Island

(Rausch, 1960B)

Canis familiaris - Sled dog or domestic dog

Linognathus setosus (Olfers)

(Ferris, 1919-1935)

Demodex canis

(Schiller, McIntyre and Shirbroun, 1954)

Toxocara canis

Fort Yukon

Ancylostoma caninum

Alaria canis

Taenia krabbei

Taenia hydatigena

Echinococcus granulosus

(Dunagan, 1957C)

Corynosoma strumosum Rudolphi, 1802

Presumably from Alaska

(Golvan, 1959)

Canis latrans - Coyote

Echinococcus granulosus

(Sweatman, 1952)

Trichinella spiralis

1 of 8 infested

(Rausch et al., 1956)

Trichina cyst

Gulkana River

Taenia hydatigena

Taenia krabbei

(Dunagan, 1957C)

Canis lupus - Gray wolf

Trichinella spiralis

(Brandley and Rausch, 1950)

Alaria canis LaRue and Fallis, 1936

Fort Yukon

(Babero and Rausch, 1952)

Echinococcus sp.

(Pauls, 1953)

Trichinella spiralis

51 of 154 infested

(Rausch et al., 1956)

Taenia hydatigena Pallas, 1776

Gulkana River

Trichinella spiralis (Owen, 1835)

Taenia krabbei Moniez, 1879

Toxocara canis Werner, 1782

Ancylostoma caninum Ercolani, 1859

(Dunagan, 1957C)

Taenia hydatigena Pallas, 1776

Taenia krabbei Moniez, 1879

Taenia multiceps Leske, 1780 = Multiceps multiceps

Echinococcus granulosus (Batsch, 1786)

Alaria canis LaRue and Fallis, 1936

Trichinella spiralis (Owen, 1835)

Uncinaria stenocephala Railliet, 1884

Toxascaris leonina (Von Linstow, 1902)

Several localities

(Rausch and Williamson, 1959); (Rausch, 1964B)

Vulpes alascensis - Red fox

Trichodectes sp.

Sadlerochit River

(Baker, 1919); (Weber, 1950)

Vulpes fulva - Red fox

Trichinella spiralis

(Brandley and Rausch, 1950)

Alaria canis LaRue and Fallis, 1936

Plagiorchis massino Petrov and Tikhonov, 1927

(Babero and Rausch, 1952)

Trichinella spiralis

31 of 76 infested

(Rausch et al., 1956)

Uncinaria stenocephala (Railliet, 1884)

Taenia sp.

Kulak Bay

(Schiller and Rausch, 1956)

Vulpes fulva - Red fox (continued)

Echinococcus multilocularis
(Rausch, 1956A)

Alaria canis
Paxson Lake

Uncinaria (?) stenocephala Railliet, 1884
N.E. Cape, Point Lay

Taenia crassiceps
Mesocestoides lineatus Goeze, 1782
(Dunagan, 1957C)

Echinococcus multilocularis
Point Barrow and Nunivak Island
First records for mainland of North America
(Rausch, 1960B); (Rausch and Nelson, 1963)

Vulpes vulpes - Red fox

Toxascaris leonina
Uncinaria stenocephala
Maritrema afanassjewi
Mesocestoides kirbyi
Taenia polyacantha
Taenia crassiceps
Echinococcus multilocularis
Pribilof Islands
(Fay and Williamson, 1962)

Enhydra lutris - Sea otter

Orthosplanchnus fraterculus Odhner, 1905
Phocitrema fusiforme Goto and Ozaki, 1930
Pricitrema zalophi (Price, 1932)
Microphallus enhydrae n. sp. Rausch and Locker, 1951
Corynosoma sp.
Amchitka Island
(Rausch and Locker, 1951)
Pyramicocephalus phocarum Fabricius, 1780
Orthosplanchnus fraterculus Odhner, 1905
Phocitrema fusiforme Goto and Ozaki, 1930
Pricitrema zalophi (Price, 1932)
Microphallus pirum (Afanas'ev, 1941) = Microphallus enhydrae Rausch
and Locker, 1951, synonym
Porrocaecum decipiens (Krabbe, 1878)
Corynosoma strumosum (Rudolphi, 1802)
Corynosoma sp.
"Enteritis"
Amchitka Island
(Rausch, 1953A)
Corynosoma villosum Van Cleave, 1953
McLeold (sic) Harbor, Montague Island
(Golvan, 1959)

Enhydra lutris - Sea otter (continued)

Porrocaecum decipiens

(Kenyon and Spencer, 1960)

Corynosoma macrosomum n. sp. Neiland, 1962

Hinchinbrook Island, Prince William Sound and Simeonof Island

(Neiland, 1962A)

Diplogonoporus tetrapterus (Von Siebold, 1848) (provis.)

(Rausch, 1964C)

Corynosoma enhydri Morozov, 1940 = Corynosoma macrosomum Neiland,
1962, synonym

(Neiland, 1965, correspondence)

Felis domestica - Domestic cat

Diphyllobothrium sp.

Used as experimental hosts in Alaska. Not satisfactory.

(Babero and Rausch, 1953)

Gulo gulo - Wolverine

Taenia twitchelli Schwartz, 1924

(McIntosh, 1938)

(Description of adult stage)

Alaria sp.

Mesocestoides kirbyi Chandler, 1944

Taenia twitchelli Schwartz, 1924

Trichinella spiralis (Owen, 1835)

Molineus patens (Dujardin, 1845)

Ascaris devosi Sprent, 1952

Physaloptera torquata Leidy, 1856

Various localities

(Rausch, 1959C)

(Life cycle of T. twitchelli completed)

"Gulo luscus" = Gulo gulo - Wolverine

Trichinella spiralis

(Brandley and Rausch, 1950)

19 of 38 infested

(Rausch et al., 1956A)

Ascaris columnaris Leidy, 1856

Black River

Trichina cyst

Paxson Lake

Alaria mustelae

Strongylus sp.

(Dunagan, 1957C)

Lynx canadensis - Canadian lynx

Trichinella spiralis

4 of 17 infested

(Rausch et al., 1956A)

Lynx canadensis - Canadian lynx (continued)

Taenia krabbei

Gulkana River

Trichina cyst

Hydatigera lyncis

Taenia rileyi

Chena River

Toxascaris leonina

Paxson Lake

Toxocara cati

(Dunagan, 1957C)

Martes americana - Marten

Soboliphyme baturini Petrov, 1930

Petersburg and elsewhere in North America

(Bezdek, 1942)

Trichina cyst

Arctic Village

(Dunagan, 1957C)

Mustela erminea - Short-tail weasel

Skrijabingylus nasicola Leuckart, 1842

Paxson Lake

Ascaris devosi

Molineus patens

(Dunagan, 1957C)

Mustela e. arctica given as "Mustela a. arctica" - Short-tail weasel

Trichodectes mephitidis Osborn

Anaktuvuk Pass

(Weber, 1950)

Trichinella spiralis

18 of 51 infested

(Rausch et al., 1956A)

Mustela rixosa eskimo - Least weasel

Trichinella spiralis

2 of 2 infested

(Rausch et al., 1956A)

Mustela sp. - Short-tail weasel

Diplogonoporus tetrapterus (Von Siebold, 1848) (provis.)

Petersburg

(Rausch, 1964C)

Mustela vison - Mink

Taenia tenuicollis Rudolphi, 1819

Paxson Lake

Skrjabingylus nasicola Leuckart, 1842

Selawik

Trichina cyst

(Dunagan, 1957C)

Corynosoma strumosum (Rudolphi, 1802)

Corynosoma validum Van Cleave, 1953

Nunivak Island

(Golvan, 1959)

Stachiella larsoni n. sp. Emerson

(Emerson, 1962B)

Thalarctos maritimus - Polar bear

Trichinella spiralis

(Brandley and Rausch, 1950)

9 of 17 infested

(Pauls, 1953); (Rausch et al., 1956)

Ursus americanus - Black bear

Diphyllobothrium ursi n. sp. provis. Rausch, 1954

Experimental infection from Kodiak Island

(Rausch, 1954B)

Diphyllobothrium sp. probably ursi Rausch

(Rausch, 1955)

(Experimental infection in laboratory)

Trichinella spiralis

5 of 23 infested

(Rausch et al., 1956)

Dibothriocephalus latus

Fairbanks

Toxascaris sp.

Galena

(Dunagan, 1957C)

Trichinella spiralis

(Maynard and Kagan, 1963); (Maynard and Kagan, 1964)

(Bear meat source of human infection)

Ursus arctos - Big brown bear

Trichinella spiralis

10 of 20 infested

(Rausch et al., 1956)

Ursus arctos middendorffi - Big brown bear

Diphyllobothrium ursi Rausch, 1954

Kodiak Island

(Hilliard, 1960)

Ursus spp. - Bear

Trichinella spiralis

(Brandley and Rausch, 1950); (Pauls, 1953)

PINNIPEDIA

Callorhinus alascanus - Northern fur seal

Corynosoma somerme (Forssell, 1904)

"America", Alaska not specifically mentioned.

Corynosoma villosum Van Cleave, 1953

(Golvan, 1959)

Callorhinus ursinus - Northern fur seal

Antarctophthirus callorhini (Osborn)

Proechinopthirus fluctus (Ferris)

(Ferris, 1919-1935); (Jellison, 1952)

Pseudophyllidian cestodes

Species #1 and #2, (Species described but not named.)

(Stunkard, 1948)

Uncinaria lucasi Stiles, 1901

(Olsen, 1952)

(Intensive study of hookworm disease of seals on Pribilof Islands over several years and subject of several reports as follows.)

(Olsen, 1953); (Olsen, 1954A); (Olsen, 1956); (Olsen, 1958)

"Mortality" "60,000 to 80,000 per year"

(Kenyon et al., 1954)

Orthohalarachne diminuata (Doetschman)

Orthohalarachne attenuata (Banks)

(Strandtman and Wharton, 1958)

Dipetalonema spirocauda (?)

Pribilof Islands

(Anderson, 1959)

(Determination tentative, notes on synonymy of species)

Pricetrema zalophi (Price, 1932)

Phocitrema fusiforme Goto and Ozaki, 1930

Cryptocotyle jejuna Nicoll, 1907

"Diphyllobothrid" gen. and sp.?

Phocanema decipiens (Krabbe, 1878)

Corynosoma strumosum (Rudolphi, 1802)

Corynosoma sp.

Valdez

(Neiland, 1961)

Callorhinus ursinus - Northern fur seal (continued)

Uncinaria lucasi Stiles, 1901

(Olsen and Lyons, 1962)

Corynosoma similis n. sp. Neiland, 1962

Prince William Sound, Valdez

(Neiland, 1962A)

"Mortality" "40,000 to 100,000 per year"

(Hookworms and food toxins mentioned)

(Baker et al., 1963)

Diplogonoporus tetrapterus (Von Siebold, 1848) (provis.)

Valdez

(Rausch, 1964C)

(Also discussion on synonymy)

Corynosoma strumosum (Rudolphi, 1802)

"America", Alaska not specifically mentioned.

(Golvan, 1959)

Eumetopias jubata - Northern sea lion

Porrocaecum decipiens

St. Paul Island

(Scheffer, 1945)

(Not present in nursing young)

Pseudophyllidian cestodes

Species #4, (Species described but not named.)

(Stunkard, 1948)

Antarctophthirus microchir (Troussart and Neumann)

(Jellison, 1952)

Corynosoma villosum n. sp. Van Cleave, 1953

Various islands in Bering Sea. Types from St. Lawrence Island

(Van Cleave, 1953A)

Uncinaria lucasi Stiles, 1901

Pribilof Islands

(Olsen, 1958)

Zalophus californianus - California sea lion

Orthohalarachne diminuata (Doetschman)

Orthohalarachne attenuata (Banks)

(Strandtman and Wharton, 1958)

Corynosoma strumosum (Rudolphi, 1802)

"America", Alaska not specifically mentioned.

(Golvan, 1959)

Erignathus barbatus - Bearded seal

Corynosoma validum n. sp. Van Cleave, 1953

Point Barrow

(Van Cleave, 1953A)

Trichinella spiralis

1 of 126 infested

(Rausch et al., 1956A)

Erignathus barbatus - Bearded seal (continued)

Pyramicocephalus phocarum (Fabricius, 1780)

Diphyllobothrium lanceolatum (Krabbe, 1865)

Diphyllobothrium cordatum (Leuckart, 1863)

St. Lawrence Island

(Hilliard, 1960)

Corynosoma somerme (Forssell, 1904)

"America", Alaska not specifically mentioned.

Corynosoma strumosum (Rudolphi, 1802)

"America", Alaska not specifically mentioned.

Corynosoma wegneri Heinze, 1934 = C. hadweni Van Cleave, 1953

(Golvan, 1959)

Phoca barbata - Bearded seal

Pseudophyllidian cestodes

Species #1, (Species described but not named)

St. Lawrence Island

(Stunkard, 1948)

Phoca hispida - Ringed seal

Echinophthirius horridus (Olfers)

(Ferris, 1934)

Corynosoma hadweni n. sp. Van Cleave, 1953

Point Barrow

(Van Cleave, 1953A)

Corynosoma reductum (Von Linstow, 1905)

Corynosoma somerme (Forssell, 1904)

"America", Alaska not specifically mentioned.

Corynosoma strumosum (Rudolphi, 1802)

"America", Alaska not specifically mentioned

Corynosoma wegneri Heinze, 1934 = C. hadweni Van Cleave, 1953

Phoca vitulina - Harbor seal

Dirofilaria immitis Leidy

Captive seals

"Microfilaria"

Sarcocystis richardi Hadwen

(Laird, 1961, citation only)

Phoca vitulina richardii - Harbor seal

Corynosoma somerme (Forssell, 1904)

Corynosoma strumosum (Rudolphi, 1802)

Diphyllobothrium osmeri

(Neiland, 1962A)

(Tentative determination of D. osmeri)

Phoca sp. - Hair seal

Corynosoma hadweni n. sp. Van Cleave, 1953

Point Barrow

(Van Cleave, 1953A)

Phoca sp. - Hair seal (continued)

Trichinella spiralis

2 of 310 infested

(Rausch et al., 1956A)

Corynosoma somerme (Forssell, 1904)

Corynosoma strumosum (Rudolphi, 1802)

"America", Alaska not specifically mentioned.

Corynosoma validum Van Cleave, 1953

Corynosoma villosum Van Cleave, 1953

Corynosoma wegeneri Heinze, 1934 = C. hadweni Van Cleave, 1953
(Golvan, 1959)

Halichoerus grypus - Gray seal

Corynosoma falcatum n. sp. Van Cleave, 1953

Unalaska

(Van Cleave, 1953A)

Authors' note: The gray seal, H. grypus, is not present in Alaska.

Corynosoma hadweni n. sp. Van Cleave, 1953

Point Barrow

(Van Cleave, 1953A)

Corynosoma strumosum (Rudolphi, 1802)

"America", Alaska not specifically mentioned.

Corynosoma wegeneri Heinze, 1934 = C. hadweni Van Cleave, 1953
(Golvan, 1959)

Odobenus divergens - Walrus

Corynosoma validum Van Cleave, 1953

(Golvan, 1959)

Odobenus rosmarus - Walrus

Antarctophthirus trichechi (Boheman)

Point Barrow

(Weber, 1950)

Corynosoma validum n. sp. Van Cleave, 1953

Wainwright

(Van Cleave, 1953A)

Diphyllobothrium cordatum

St. Lawrence Island

(Deliamure, 1955)

Orthohalarachne rosmari (Oudemans, 1916)

(Strandtman and Wharton, 1956)

"Mortality"

No mention of parasites or disease.

(Buckley, 1958)

Seal

Sarcocystis richardi Hadwen

(Hadwen, 1922B)

Ixodes signatus

Pribilof Islands

(Cooley and Kohls, 1945)

PRIMATES

Homo sapiens - Man

Pediculus humanus americanus

Archeological site, Gambell, St. Lawrence Island
(Ewing, 1935)

Echinococcus sp.

(Magath, 1941)

Trichinella spiralis

Cases at Yakataga
(Williams, 1946)

Pediculus humanus americanus

Archeological site, Gambell, St. Lawrence Island
(Bailey, 1948)

Echinococcus sp.

(Williams, 1948)

Diphyllobothrium sp.

Trichinella spiralis

Bethel

(Hitchcock, 1950)

(By skin test)

Wainwright and Barrow Village

(Brandley and Rausch, 1950)

(Positive skin tests in humans)

Echinococcus granulosus, by skin test

Diphyllobothrium sp.

Trichinella spiralis, by skin test

Kotzebue

(Hitchcock, 1951)

Diphyllobothrium spp.

(Rausch, 1951C)

"Speciation on the basis of morphological characters of tapeworms of the genus Diphyllobothrium is impossible in Alaska forms."

Echinococcus larvae

(Coddington and Moore, 1952)

Echinococcus sp.

(Pauls, 1953)

Diphyllobothrium spp.

Kotzebue, Nelson Island, Chaneliak, Noorvik, Kalskag, Fort Yukon
and other villages

(Pauls, 1953)

Diphyllobothrium sp., probably D. latum

(Rausch, 1953D)

Echinococcus sibiricensis n. sp. Rausch and Schiller, 1954

St. Lawrence Island and other localities

(Rausch and Schiller, 1954)

"Pediculosis"

Pribilof Islands

Homo sapiens - Man (continued)

Phthirus pubis (Linnaeus)

(Gill, 1954)

Trichinella spiralis

Nenana - review of cases

Case in lower Kuskokwim region and at Solomon on Seward Peninsula

(Rausch et al., 1956A)

Echinococcus sp. probably sibiricensis Rausch and Schiller, 1954

St. Lawrence

(Rausch and Schiller, 1956B)

Diphyllobothrium alascense n. sp. Rausch and Williamson, 1958

(Rausch and Williamson, 1958)

"Probably also a parasite of man"

Echinococcus sp.

Serological tests for hydatid disease on military personnel on

St. Lawrence Island

(Douglas, 1959)

Echinococcus granulosus

Echinococcus multilocularis

(West, 1959)

(Report of 3 human cases.)

Endamoeba histolytica

Giardia lamblia

Echinococcus granulosus

(Five cases at Fort Yukon)

Trichinella spiralis, by skin test

Eupodia sp. (Mites, not considered parasites)

"Pinworms"

(Tulloch, 1960)

Echinococcus sp.

Diagnosed at autopsy in 2 cases from St. Lawrence Island

(Gottman, 1960)

Diphyllobothrium dalliae Rausch, 1956

Chevak, Mt. Village and Tanunak

(Hilliard, 1960)

Echinococcus multilocularis

(Rausch, 1960B)

(Total of 10 human cases in Alaska)

Echinococcus granulosus

(Rausch, 1960B)

(Total of 40 human cases in Alaska)

Trichinella spiralis

24 cases (human) from Bethel and Goodnews Bay from bear meat

(Maynard and Pauls, 1962)

Echinococcus multilocularis

(Colyar, 1963)

Echinococcus sp.

(West, Hillman, and Rausch, 1963)

Homo sapiens - Man (continued)

Echinococcus spp.

8 human cases from Point Hope, Kotzebue, Savoonga, Gambell and Nome

(West, Hillman and Rausch, 1963)

Diphyllobothrium spp.

(Colyar, 1963)

(8 species found in Alaska, 3 of which infect man)

Trichinella spiralis

24 human cases from Bethel and Goodnews Bay from bear meat (Maynard and Kagan, 1963)

Echinococcus spp.

Point Hope - 17 cases of alveolar hydatid disease in Alaska (Anon., 1964B)

Echinococcus granulosus

3 cases from Allakaket, Aklutna and Nondalton in 1964 (Anon., 1964B)

Trichinella spiralis

24 cases (human) from Bethel and Goodnews Bay from bear meat (Maynard and Kagan, 1964)

RODENTIA

Other than Microtine Rodents

Castor canadensis - Beaver

Leptinellus validus Horn

(Geary, 1953)

Stichorchis subtriquetrus (Rudolphi, 1819)

Castorstrongylus castori Chapin, 1925

Travassosius americanus Chapin, 1925

(Babero, 1953B)

Trichinella spiralis

1 of 29 infested

(Rausch et al., 1956A)

Travassosius rufius Schrank, 1790

Stichorchis subtriquetrus Rudolphi

(Dunagan, 1957C)

Leptinellus validus Horn

(Clark, 1961)

Citellus parryii - Arctic ground squirrel

Neohaematopinus laeviusculus (Grube)

Anaktuvuk Pass

(Weber, 1950)

Rapids

(Gill, 1954)

Citellus parryii barrowensis - Arctic ground squirrel

Ascaris laevis Leidy, 1856
Anaktuvuk Pass and Umiat
(Tiner, 1951B)

Citellus undulatus - Arctic ground squirrel

Trichinella spiralis
1 of 129 infested
(Rausch et al., 1956A)

Citellus undulatus ablusus - Arctic ground squirrel

Ixodes angustus Neumann
(Schiller and Rausch, 1956)

Citellus undulatus barrowensis - Arctic ground squirrel

Paranoplocephala wigginsii n. sp. Rausch, 1954
Meade River, 48 miles south of Point Barrow
(Rausch, 1954C)

Citellus sp. - Ground squirrel

Neohaematopinus laeviusculus (Grube)
Enderleinellus suturalis Osborn
(Ferris, 1919-1935)
Haemolaelaps glasgowi (Ewing)
(Keegan and Hedeem, 1952)
Neohaematopinus laeviusculus (Grube)
(Gill, 1954)
Echinococcus sp.
(Thomas and Babero, 1956B)
(Experimental infection)

Erethizon epixanthum - Porcupine

Eutrichophilus setosus Giebel
(Kellogg and Ferris, 1915)
Schizotaenia variabilis = Schizotaenia americanus as recorded by Cohn, 1906
(Douthitt, 1915)
Taenia twitchelli n. sp. Schwartz, 1924
Ophir
(Schwartz, 1924)
(Larvae in lungs)
Eutrichophilus setosus (Giebel)
(Jellison, 1933)
Monoecocestus
(Dunagan, 1957C)
Taenia twitchelli Schwartz
95 miles northeast of Anchorage
(Rausch, 1959C)
(One of 55 porcupines found infested with larval tapeworms.
Life cycle of cestode completed.)

Marmota caligata broweri - Hoary marmot

Ascaris laevis Leidy, 1856

Diandrya composita Darrah, 1930

Catenotaenia reggiae n. sp. Rausch, 1951

Tolugak Lake

(Rausch, 1951A)

Marmota caligata caligata - Hoary marmot

Diandrya composita Darrah

(Philip, 1938)

Marmota monax ochracea - Eastern marmot

Ascaris tarbagan Schultz, 1931

Central Alaska

(Philip, 1938)

Peromyscus maniculatus - Deer mouse

Capillaria hepatica (Bancroft, 1893)

Ketchikan

(Rausch, 1961A)

Peromyscus sitchensis - Sitka mouse

Polyplax auricularis Kellogg and Ferris

(Ferris, 1919-1935)

Rattus norvegicus - Norway rat

Hymenolepis fraterna Stiles, 1906

Taenia taeniaeformis (Batsch, 1786) - larvae

Trichosomoides crassicauda (Bellingham, 1840)

Syphacia obvelata (Rudolphi, 1802)

Trichinella spiralis (Owen, 1835)

Adak

(Schiller, 1952C)

Hymenolepis nana (Von Siebold, 1852)

Trichosomoides crassicauda (Bellingham, 1840)

Trichinella spiralis (Owen, 1835)

Trypanosoma sp. probably lewisi Kent

Nome

(Schiller, 1956B)

Trichinella spiralis

28 or 261 infested

(Colyar, 1963)

Tamiasciurus hudsonicus - Tree squirrel

Enderleinellus nitzschi Fahrenholz

(Ferris, 1919-1935)

Hoplopleura sciuricola Ferris

Olness

(Gill, 1954)

Tamiasciurus hudsonicus - Tree squirrel (continued)

Trichinella spiralis

4 of 94 infested

(Rausch et al., 1956A)

Echinococcus sp.

Experimental infection

(Thomas and Babero, 1956B)

Taenia pisiformis (larvae)

Andrya sp.

(Dunagan, 1957C)

Microtine Rodents

Voles, Lemmings and Muskrats

Clethrionomys dawsoni = Evotomys dawsoni - Northern red-backed vole

Haemogamasus twitchelli n. sp. Ewing, 1925

Mt. Ophir

(Ewing, 1925)

Polyplax alaskensis Ewing

Ladd Air Force Base

(Gill, 1954)

Clethrionomys rutilus - Northern red-backed vole

Echinococcus sp.

St. Lawrence Island

(Rausch, 1954A)

(Study on histogenesis)

Heligmosomum sp.

St. Lawrence Island

(Thomas and Babero, 1956A)

Ixodes angustus

Katmai National Monument

(Schiller and Rausch, 1956)

Echinococcus multilocularis

Bering and St. Lawrence Island

(Rausch and Yamashita, 1957)

Taenia crassiceps (larvae)

Andrya macrocephala

Mastophorus muris

(Dunagan, 1957C)

Clethrionomys rutilus albiventer - Northern red-backed vole

Echinococcus sp.

St. Lawrence Island

(Rausch, 1952B)

Echinococcus sibiricensis n. sp. Rausch and Schiller, 1954

(Rausch and Schiller, 1954); (Rausch and Schiller, 1956)

(Other microtine rodents for experimental hosts)

Clethrionomys rutilus dawsoni - Northern red-backed vole

Ixodes angustus

Katmai National Monument

(Schiller and Rausch, 1956)

Echinococcus multilocularis Leuckart, 1863

(Meyers, 1957)

Polyplax borealis Ferris, 1933

(Scanlon and Johnson, 1957)

Clethrionomys sp. - Red-backed vole

Trombicula (Neotrombicula) alaskensis Brennan and Wharton

(Wharton and Fuller, 1928)

Ixodes angustus

(Philip, 1937A)

Andrya arctica n. sp. Rausch, 1952

Catenotaenia dendritica (Goeze, 1782)

Echinococcus sp.

Taenia tenuicollis Rudolphi, 1809

Plagiorchis sp.

Rictularia microti McPherson and Tiner, 1952

Mastophorus muris (Gmelin, 1790)

Capillaria sp.

(Rausch, 1952A)

Authors' note: Some of the species listed above were collected in northern Canada and not specifically recorded for Alaska.

Echinococcus sp. indet. Rausch, 1953

St. Lawrence Island and Komandorskii Island

(Rausch, 1953C)

Andrya arctica Rausch, 1952

*Hymenolepis horrida (Von Linstow, 1901)

*Catenotaenia dendritica (Goeze, 1782)

*Echinococcus multilocularis Leuckart, 1863

*Taenia mustelae Gmelin, 1790

Nematospiroides spp.

*Mastophorus muris (Gmelin, 1790)

*Syphacia obvelata (Rudolphi, 1802)

(Rausch, 1957A)

(Discussion of Palearctic microtine helminths also.)

*Species known to be Holarctic.

Dicrostonyx groenlandicus rubricatus - Greenland collared lemming

Syphacia arctica n. sp. Tiner and Rausch, 1950

Point Barrow

(Tiner and Rausch, 1950)

Hymenolepis horrida (Von Linstow, 1901)

Andrya primordialis

Syphacia arctica

(Rausch, 1950B)

Hymenolepis horrida (Von Linstow, 1901)

Point Barrow

(Schiller, 1952E)

Dicrostonyx sp. - Collared lemming

Andrya arctica n. sp. Rausch, 1952

Brachylaima rauschi McIntosh, 1951

Heligmosomum hudsonius Cameron, 1937

Syphacia arctica Tiner and Rausch, 1950

(Rausch, 1952A)

Authors' note: Some of the species listed above were collected in northern Canada and not specifically recorded for Alaska.

Andrya arctica n. sp. Rausch, 1952

*Hymenolepis horrida (Von Linstow, 1901)

Heligmosomum hudsonius Cameron, 1937

Syphacia arctica Tiner and Rausch, 1950

(Rausch, 1957A)

(Discussion of Palearctic microtine helminths also.)

*Species known to be Holarctic.

Lemmus alascensis - Brown lemming

Hoplopleura acanthopus (Burmeister)

Point Barrow

(Weber, 1950)

Lemmus sibiricus harroldi - Brown lemming

Capillaria hepatica (Bancroft, 1893)

Mekoryuk, Nunivak Island

(Rausch, 1961A)

Lemmus trimucronatus - Brown lemming

Laelaps alaskensis Grant

Haemogamasus alaskensis Ewing

Hirstionyssus isabellinus Oudemans

(Keegan and Hédeen, 1952)

Trichinella spiralis

1 of 18 infested

(Rausch et al., 1956A)

Lemmus trimucronatus alascensis - Brown lemming

Hymenolepis horrida

Andrya primordialis

Paranoplocephala infrequens

Taenia tenuicollis

(Rausch, 1950B)

Andrya arctica Rausch, 1952

(Rausch, 1952A)

Lemmus sp. - Brown lemming

Paranoplocephala lemmi n. sp. Rausch, 1952

Andrya arctica n. sp. Rausch, 1952

Taenia tenuicollis Rudolphi, 1809

Lemmus sp. - Brown lemming (continued)

Nematospiroides spp.

Unidentified nematode from eyes of brown lemming
(Rausch, 1952A)

Authors' note: Some of the species listed above were collected in
northern Canada and not specifically recorded for Alaska.

Hymenolepis horrida (Von Linstow, 1901)

Various localities - also redescription of species
(Schiller, 1952E)

Andrya arctica Rausch, 1952

Paranoplocephala lemni Rausch, 1952

*Hymenolepis horrida (Von Linstow, 1901)

*Echinococcus multilocularis Leuckart, 1863

*Taenia mustelae Gmelin, 1790

*Taenia crassiceps Rudolphi, 1810

*Taenia polyacantha Leuckart, 1856

Nematospiroides spp.

(Rausch, 1957A)

(Discussion of Palearctic microtine helminths also.)

*Species known to be Holarctic.

Lemming and lemming nest

Haemogamasus alaskensis Ewing

(Keegan and Hedeem, 1952)

Microtus miurus - Singing vole = Microtus gregalis

Paranoplocephala infrequens Douthitt, 1915

Andrya macrocephala

(Dunagan, 1957C)

Microtus miurus paneaki - Singing vole

Rictularia microti n. sp. McPherson and Tiner, 1952

St. Lawrence Island and Anaktuvuk Pass

(McPherson and Tiner, 1952)

Microtus oeconomus - Tundra vole

Polyplax alaskensis Ewing

Acarina undetermined

Seward Peninsula

(Quay, 1951)

Echinococcus granulosus

(Sweatman, 1952)

Echinococcus sp.

St. Lawrence Island

(Rausch, 1954A)

(Study of histogenesis)

Taenia tenuicollis (larvae)

Near village of Beaver

(Locker, 1955)

Ixodes angustus

Katmai National Monument

(Schiller and Rausch, 1956)

Microtus oeconomus - Tundra vole (continued)

Heligmosomum sp.

Paranoplocephala infrequens

St. Lawrence Island

(Thomas and Babero, 1956A)

Microtus oeconomus kadiacensis - Tundra vole

Ixodes angustus

Katmai National Monument

(Schiller and Rausch, 1956)

Microtus oeconomus operarius - Tundra vole

Taenia polyacantha Leuckart, 1856

Yukon Delta

(Schiller, 1953B)

(First record of species for North America.)

Microtus operarius operarius - Tundra vole

Polyplax alaskensis Ewing

Cloud Lake

(Quay, 1949)

Microtus oeconomus innuitus - Tundra vole

Echinococcus granulosis

St. Lawrence Island

(Schiller and Rausch, 1950)

Rictularia microti n. sp. McPherson and Tiner, 1952

St. Lawrence Island and Anaktuvuk Pass

(McPherson and Tiner, 1952)

Echinococcus sp.

St. Lawrence Island

(Rausch, 1952B)

Echinococcus sibiricensis

St. Lawrence Island

(Rausch and Schiller, 1956)

Microtus sp. - Vole

Haemogamasus alaskensis n. sp. Ewing, 1925

(Ewing, 1925)

Polyplax alaskensis Ewing, 1927

(Ewing, 1927)

Syphacia obvelata

(Tiner and Rausch, 1950)

Trombicula (Neotrombicula) alaskensis Brennan and Wharton

Neotrombicula harperi Ewing = Trombicula (Neotrombicula) microti Ewing

(Wharton and Fuller, 1952)

Laelaps kochi Oudemans

Haemogamasus alaskensis Ewing

Haemogamasus ambulans Thorell

Hirstionyssus isabellinus Oudemans

(Keegan and Hedeem, 1952)

Paranoplocephala infrequens (Douthitt, 1915)

Paranoplocephala omphalodes (Hermann, 1783)

Microtus sp. - Vole

Andrya macrocephala Douthitt, 1915 = Paranoplocephala kirbyi Voge, 1948

Andrya arctica n. sp. Rausch, 1952

Echinococcus sp.

Taenia tenuicollis Rudolphi, 1809

Quinqueserialis quinqueserialis (Barker and Laughlin, 1911)

Brachylaima rauschi McIntosh, 1951

Heligmosomum costellatum (Dujardin, 1845)

Nematospiroides longispiculatus Dikmans, 1940

Nematospiroides spp.

Syphacia obvelata (Rudolphi, 1802)

Rictularia microti McPherson and Tiner, 1952

(Rausch, 1952A)

Authors' note: Some of the species listed above were collected in northern Canada and not specifically recorded for Alaska.

Haplosporangium sp., a fungus

(Geary, 1953)

Authors' note: Error in determination by Jellison. No record yet for Haplosporangium sp., a fungus, from Alaskan mammals although known from British Columbia and Alberta (Jellison).

Echinococcus sp. indet. Rausch, 1953

St. Lawrence Island and Komandorskii Island

(Rausch, 1953C)

*Andrya macrocephala Douthitt, 1915

Andrya arctica Rausch, 1952

*Paranoplocephala omphalodes (Hermann, 1783)

*Paranoplocephala infrequens (Douthitt, 1915)

Paranoplocephala variabilis (Douthitt, 1915)

*Hymenolepis horrida (Von Linstow, 1901)

*Echinococcus multilocularis Leuckart, 1863

*Taenia mustelae Gmelin, 1790

*Taenia crassiceps Rudolphi, 1810

*Taenia polyacantha Leuckart, 1856

Nematospiroides spp.

*Heligmosomum costellatum (Dujardin, 1845)

*Syphacia obvelata (Rudolphi, 1802)

Quinqueserialis spp.

(Rausch, 1957A)

(Discussion of Palearctic microtine helminths also.)

*Species known to be Holarctic.

Laelaps alaskensis Grant, 1947

Jack River

(Strandtman and Wharton, 1958)

(May be a synonym of Laelaps muris Ljungh, 1799.)

Microtus spp. - Vole

Hymenolepis horrida (Von Linstow, 1901)

(Schiller, 1952E)

Synaptomys sp. - Lemming

*Paranoplocephala infrequens (Douthitt, 1915)

*Taenia mustelae Gmelin, 1790

(Rausch, 1957A)

(Discussion of Palearctic microtine helminths also.)

*Species known to be Holarctic.

Microtine rodents - Many species including Dicrostonyx, Lemmus,
Clethrionomys, and Microtus.

Heligmosomum costellatum Dujardin

Hymenolepis horrida (Von Linstow)

Paranoplocephala omphalodes (Hermann)

Paranoplocephala infrequens Douthitt

Andrya primordialis Douthitt

Andrya macrocephala Douthitt

Syphacia obvelata (Rudolphi)

(Rausch, 1951C)

Echinococcus sp.

St. Lawrence Island

(Rausch, 1951C)

Paranoplocephala borealis (Douthitt, 1915)

Paranoplocephala variabilis (Douthitt, 1915)

(Probably a synonym of P. borealis, Douthitt, 1915)

Andrya primordialis Douthitt, 1915

Paruternia candelabraria (Goeze, 1782)

(Adults found only in owls)

Hymenolepis horrida (Von Linstow, 1901)

Hymenolepis johnsoni Schiller, 1952

Great Slave Lake - not Alaska

Taenia crassiceps Rudolphi, 1810

Canada only - not Alaska

(Rausch, 1952A)

Authors' note: Some of the species listed above were collected in
northern Canada and not specifically recorded for Alaska.

Paranoplocephala omphalodes (Hermann, 1783)

(Rausch, 1952A)

Hymenolepis horrida (Von Linstow, 1901)

Many localities

(Schiller, 1952E)

Echinococcus sp.

(Pauls, 1953)

Paranoplocephala omphalodes (Hermann, 1783)

(Rausch, 1954C)

Trichinella spiralis

Brown lemming - 1 of 18 infested

Red-backed vole - 2 of 49 infested

Narrow-skulled vole - 1 of 57 infested

(Rausch et al., 1956A)

Microtine rodents (continued)

Echinococcus multilocularis Leuckart, 1863

Experimental hosts:

Clethrionomys rutilus

Lemmus sibiricensis

Microtus pennsylvanicus

(Rausch and Jentoft, 1957)

Echinococcus multilocularis Leuckart, 1863

(Rausch, 1960B)

Ondatra - Muskrat

Laelaps multispinosus Banks

(Keegan and Hedeem, 1952)

Quinqueserialis quinqueserialis (Barker and Laughlin, 1911)

Plagiorchis proximus Barker, 1915

(Rausch, 1952A)

Authors' note: Some of the species listed above were collected in northern Canada and not specifically recorded for Alaska.

Leptinellus validus Horn

Taenia tenuicollis Rudolphi

(Geary, 1953)

Taenia tenuicollis

Near village of Beaver

(Locker, 1955)

Trichinella spiralis

1 of 113 infested

(Rausch et al., 1956A)

Quinqueserialis quinqueserialis (Barker and Laughlin, 1911)

Notocotylus filamentis

Plagiorchis proximus

Echinostomum callawayensis

Alaria mustelae

Hymenolepis evaginata

Taenia tenuicollis (Rudolphi) (coenurus)

Trichuris opaca

Polymorphus sp.

Fort Yukon, Selawik, Minto and Tetlin Lakes

(Dunagan, 1957A)

Quinqueserialis quinqueserialis Barker and Laughlin, 1911

Catatropis filamentis Barker, 1915

Plagiorchis proximus Barker, 1915

Echinostomum callawayensis Barker and Noll, 1915

Alaria mustelae Bosma, 1931

Hymenolepis evaginata Barker and Andrews, 1915

Taenia mustelae (cysticerci)

Trichuris opaca Barker, 1915

Polymorphus sp.

(Dunagan, 1957C)

LAGOMORPHA

Lepus americanus - Snowshoe hare

Haemaphysalis leporis-palustris Packard

Near Fairbanks

(Elton and Swynnerton, 1936)

Taenia pisiformis

Cittotaenia pectinata americana

Passalurus nonannulatus

Haemaphysalis leporis-palustris

Simulium venustum

Other biting flies

(Philip, 1938)

Haemaphysalis leporis-palustris Packard

(Bishopp and Trembley, 1945); (Geary, 1953)

Haemaphysalis leporis-palustris (Packard)

Various localities in central Alaska

Dirofilaria sp.

Fairbanks area

(Gill, 1954)

("Similar to D. scapiceps Leidy")

Trichinella spiralis

2 of 53 infested

(Rausch et al., 1956A)

Mosgovoyia pectinata americana

Passalurus ambiguus

Taenia rileyi

Obeliscus cuniculi

Taenia pisiformis

Dirofilaria scapiceps

(Dunagan, 1957C)

Ochotona collaris - Collared pika

Dermatoxys sp.

(Philip, 1937)

Labiostomum rauschii n. sp. Akhtar, 1956

Eugeneris talkeetnae n. sp. Akhtar, 1956

(Akhtar, 1956)

Brachylaima

Schizorchis ochotonae (?) Hansen, 1948

(Dunagan, 1957C)

Cephalurus alaskensis n. sp. Akhtar, 1958

Cephalurus collaris n. sp. Akhtar, 1958

(Akhtar, 1958)

Schizorchis caballeri n. sp. Rausch, 1960

(Rausch, 1960A)

(Notes on other parasites of Ochotona spp. Description of
cestode from Ochotona sp. in Japan)

(Rausch, 1963A)

Ochotona collaris - Collared pika
Sarcocystis sp.
(Rausch, 1964D)

Ochotona sp. - Pika
Ixodes angustus
(Cooley and Kohls, 1945)

ARTIODACTYLA

Alces americana - Moose
Echinococcus sp.
(Rausch, 1951C)
Echinococcus granulosus
(Rausch, 1952B)
("Commonly infected")
Echinococcus granulosus
Taenia krabbei (larvae)
Taenia hydatigena (larvae)
Setaria (?) tundra
(Dunagan, 1957C)
Onchocerca sp.
Taku River Valley
(Williams and Babero, 1958)
Hydatid disease
(Rausch, 1959D)

Bison bison - Buffalo
Dictyocaulus vivipara
Cooperia bisonis
(Dunagan, 1957C)

Odocoileus hemionus sitkensis - Black tailed or mule deer
Starvation and predation. No mention of parasites.
(Klein and Olson, 1960)

Ovis canadensis - Bighorn sheep
Melophagus ovinus montanus Ferris and Cole, 1922
Alaska-Yukon boundary
(Ferris and Cole, 1922)
Melophagus ovinus montanus Ferris and Cole, 1922 = Melophagus ovinus
(Linnaeus, 1761)
(Bequaert, 1953); (Bequaert, 1957)
(A synonym, no reason to recognize subspecies)

Ovis dalli - Dall sheep

Melophagus ovinus montanus Ferris and Cole, 1922

Alaska-Yukon boundary

(Ferris and Cole, 1922)

Taenia hydatigena

(Philip, 1937)

Melophagus ovinus montanus Ferris and Cole, 1922 = Melophagus ovinus

(Linnaeus, 1761) - a synonym, no reason to recognize subspecies

(Bequaert, 1953); (Bequaert, 1957)

Rangifer tarandus - Reindeer and/or caribou

Echinococcus sp.

(Rausch, 1951C)

Echinococcus granulosus

(Sweatman, 1952)

Teladorsagia davtiani Andreeva and Satubaldin, 1954

(Becklund, 1962)

Rangifer sp. - Reindeer

Phormia sp.

Oedemagena tarandi

Cephenomyia trompe = Cephenomyia nasalis

Sarcosporidia (one species in heart, one species in legs)

Cysticercus krabbei

Moniezia sp.

Nematodirus sp.

Cysticercus tenuicollis

Dictyocaulus sp.

Hydatid cysts

(Hadwen, 1922A)

(These records are from an informal talk given at the Helminthological Society of Washington and published in the Proceedings of the Society.)

Fibrocystis tarandi n. sp. Hadwen, 1922

(Hadwen, 1922C)

(Fibrocystis tarandi Hadwen is now known as Besnoitia tarandi

(Hadwen) fide Neiland, correspondence, 1965.)

Nematodirus tarandi n. sp. Hadwen, 1922

(Hadwen, 1922D)

Nematodirella longispiculata (Romanovitch, 1915)

(Dikmans, 1932C)

(Collected by Hadwen)

Taenia sp. (larvae)

(Rausch, 1951B)

Echinococcus granulosus

(Rausch, 1952B)

Rangifer sp. - Reindeer (continued)

Cysticercus rangiferi (Griuner, 1911)

Authors' note: The status of this species' name is uncertain.

It may be a synonym of Taenia krabbei. There is some question as to the translation of this author's name from the Russian. The above is found in the Index Catalogue of the Medical and Veterinary Zoology, U.S. Department of Agriculture, Part 6: 1704, 1942.)

Rangifer sp. - Caribou

"Cyst of parasites" - Probably refers to Fibrocyctis
(Quay, 1955)

Taenia hydatigena

Taenia krabbei

Haemonchus contortus

(Dunagan, 1957C)

Rangifer sp. - Reindeer and/or caribou

No warbles, bots or other external parasites were found in specimens collected on St. Matthews Island

(Kelin, 1959)

Cephenemyia trompe Modeer

(Bennett and Sabrosky, 1962)

Rangifer spp. - Reindeer and caribou

Sarcocystis sp. or "corn meal disease"
(Hadwen, 1922B)

Taenia hydatigena Pallas, 1776

Taenia krabbei Moniez, 1879

Echinococcus granulosus (Batsch, 1786)

(Rausch and Williamson, 1959)

CETACEA

Delphinapterus leucas - Beluga whale

Hadwenius seymori Price, 1932

(Price, 1932)

Trichinella spiralis

(Brandley and Rausch, 1950)

1 of 49 infested

(Rausch et al., 1956A)

Pharurus oserkaiaae (Skrjabin, 1942)

(Babero and Thomas, 1960)

Corynosoma similis n. sp. (Neiland, 1962)

Corynosoma wegneri Heinze, 1934

Kvichak River, Bristol Bay, Prince William Sound and Valdez
(Neiland, 1962); (Neiland, 1962A)

Phocaena vomerina - Pacific Harbor porpoise

Corynosoma alaskensis Golvan, 1959

Hooper Bay

(Golvan, 1959)

Miscellaneous hosts or no host records

Dermacentor variabilis (Say)

(Bishopp and Trembley, 1945)

Haemogamasus ambulans Thorell

Laelaps pachypus Koch

(Strandtman and Wharton, 1958)

Host-Parasite List of Land Birds

A. Falcons, hawks, eagles

Aquila chrysaetos (nest) - Golden eagle

Protocalliphora sp.

Rapids

(Philip, 1938)

Haliaeetus leucocephalus - Bald eagle

Corynosoma sp.

Adak

(Schiller, 1952C)

B. Grouse and ptarmigan

Bonasa umbellus - Ruffed grouse

Eimeria angusta n. sp. Allen, 1934

Labrador and Alaska

(Allen, 1934)

Eimeria bonasae n. sp. Allen, 1934

(Allen, 1934)

(Also from Massachusetts, Labrador, Quebec)

Brachylaima fuscata (Rudolphi, 1819)

(Babero, 1953A)

Canachites canadensis - Spruce grouse

Leucochloridium pricei McIntosh

(McIntosh, 1932)

Eimeria angusta Allen, 1934

(Allen, 1934)

(Also from Labrador)

Leucochloridium pricei McIntosh

(Mueller, 1941, citation)

Ornithomyia fringillina Curtis

Takotna

(Bequaert, 1950)

Brachylaima fuscata (Rudolphi, 1819)

Filaria sp.

(Babero, 1953A)

Brachylaima fuscatum

(Dunagan, 1957C)

Pedioecetes phasianellus - Sharp-tailed grouse

Brachylaima fuscata (Rudolphi, 1819)

(Babero, 1953A)

Lagopus lagopus - Willow ptarmigan

Lipeurus affinis (Children) = Lipeurus protervus Kellogg
(Kellogg and Kuwana, 1900)

Eimeria bonasae n. sp. Allen, 1934
(Allen, 1934)

Lipeurus protervus Kellogg

Gonoides mammillatus Rudow
Demarcation Point
(Weber, 1950)

Trichostrongylus tenuis (Mehlis, 1846)

Microfilaria lagopodis (Sambon, 1907)

Leucochloridium variae McIntosh, 1932

Brachylaima fuscata (Rudolphi, 1819)

Haploparaxis galli Rausch, 1951

(Babero, 1953A)

(Some of the host records in this paper were indefinite and referred to "ptarmigan" only.)

Brachylaima fuscatum

Ascaridia compar (?)

Filaria sp.

Davainea proglottina

Raillietina

(Dunagan, 1957C)

Haemaphysalis leporis-palustris Packard

(Hopla, 1960)

Lagopus leucurus - White-tailed ptarmigan

Leucochloridium variae McIntosh, 1932

Brachylaima fuscata (Rudolphi, 1819)

Raillietina urogalli (Modeer, 1790)

(Babero, 1953A)

(Some of the host records in this paper were indefinite and referred to "ptarmigan" only.)

Lagopus rupestris - Rock ptarmigan

Lipeurus protervus Kellogg

Demarcation Point

(Weber, 1950)

Haploparaxis galli n. sp. Rausch, 1951

(Rausch, 1951)

Capillaria sp.

"Trichostrongyle", unidentified

Leucochloridium variae McIntosh, 1932

Brachylaima fuscata (Rudolphi, 1819)

Haploparaxis galli Rausch, 1951

Raillietina urogalli (Modeer, 1790)

Rhabdometra nullicollis Ransom, 1909

(Babero, 1953A)

(Some of the host records in this paper were indefinite and referred to "ptarmigan" only.)

Lagopus spp. - Ptarmigan

Ascaridia compar (Schrank, 1790)

Davainea proglottina (Davaine, 1860)

(Babero, 1953A)

(Some of the host records in this paper were indefinite and referred to "ptarmigan" only.)

C. Owls

Asio accipitrinus - Owl

Strigiphilus cursor (Burmeister) = Docophorus cursor Nitzsch

(Kellogg and Kuwana, 1900)

Asio flammeus - Short-eared owl

Philopterus cursor Nitzsch

Demarcation Point and Barter Island

(Weber, 1950)

Bubo virginianus subarcticus - Arctic horned owl

Plagiorchidae

(Dunagan, 1957C)

Nyctea nyctea - Snowy owl

Strigiphilus ceblebrachys (Denny) = Docophorus ceblebrachys Nitzsch

(Kellogg and Kuwana, 1900)

Philopterus celebrachys Nitzsch

Barter Island and Point Barrow

(Weber, 1950)

Paruternia candelabraria (Goeze, 1782)

(Rausch, 1952A)

Surnia ulula - Hawk owl

Paruternia candelabraria (Goeze, 1782)

(Rausch, 1952A)

Aegolius acadica - Saw-whet owl

Paruternia candelabraria (Goeze, 1782)

(Rausch, 1952A)

Aegolius funereus - Richardson's owl

Paruternia candelabraria (Goeze, 1782)

(Rausch, 1952A)

D. Passerine Birds

Calcarius lapponicus - Lapland longspur
Philopterus subflavescens (Geoff.)
Demarcation Point
(Weber, 1950)

Cephus sp. - Guillemot
Ixodes signatus Birula
Pribilof Islands
(Gregson, 1954)

Hylocichla ustulata - Russet-backed thrush
Trombicula (Neotrombicula) alaskensis Brennan and Wharton
(Wharton and Fuller, 1952)
Plagiorhynchus formosus Van Cleave, 1918
Brachylaima nicolli
Trematode
Cestode
(Dunagan, 1957C)

Ixoreus naevius - Pacific varied thrush
Centrorhynchus scanensis Lundstrom, 1942
(Van Cleave and Williams, 1951)

Junco hyemalis - Slate-colored junco
Cestode
(Dunagan, 1957C)

Leucosticte - Rosy finch
Ixodes signatus Birula
Pribilof Islands
(Gregson, 1954)

Passerella iliaca - Fox sparrow
Plagiorhynchus paulus n. sp. Van Cleave and Williams, 1951
(Van Cleave and Williams, 1951)
Hymenolepis sp.
(Dunagan, 1957C)

Plectrophenax nivalis - Snow bunting
Philopterus subflavescens (Geoff.)
Demarcation Point
(Weber, 1950)

Swallow (nests)

Laelaps alaskensis Grant
Dermanyssus gallinae (DeGeer)
Haemogamasus alaskensis Ewing
(Keegan and Hedeem, 1952)

Turdus migratorius - Robin

Plagiorhynchus formosus Van Cleave, 1918
Lueheia boraotis n. sp. Van Cleave and Williams, 1951
(Van Cleave and Williams, 1951)
Trombicula (Neotrombicula) alaskensis Brennan and Wharton
(Wharton and Fuller, 1952)
Hymenolepis sp.
(Dunagan, 1957C)

Zonotrichia gambelii - Gambel's sparrow

Philopterus subflavescens (Geoff.)
Demarcation Point
(Weber, 1950)

Zonotrichia leucophrys gambelii - Gambel's sparrow

Degeeriella vulgata Kellogg
Demarcation Point
(Weber, 1950)
Hymenolepis sp.
(Dunagan, 1957C)

Miscellaneous host or no hosts

Apaulina sapphira n. sp. Hall
Naknek Lake
(Hall, 1948); (Gill, 1954)
Apaulina avium Shannon and Dobroscky
(Gill, 1954)
(From fly traps)

Host-Parasite List of Water Birds

A. Loons, grebes, cormorants

Gavia immer - Common loon

Diphyllbothrium ditremum (Creplin, 1824)

Kenai Peninsula

(Hilliard, 1960)

Colymbus auritus - Horned grebe

Contracaecum spasskii Mosgovoyi, 1956

Hymenolepis sp.

Tatria biremis Kowalewski, 1904

(Dunagan, 1957C)

Podiceps grisegena - Red-necked grebe

Schistocephalus solidus (Müller, 1776)

Kenai Peninsula

(Hilliard, 1960)

Phalacrocorax sp. - Cormorant

Ixodes signatus Birula

St. George Island, Pribilofs

(Gregson, 1954)

(Types of species were from Unalaska and from California.)

Phalacrocorax auritus - Double-crested cormorant

Contracaecum sp.

(Philip, 1937A)

(Baird's cormorant)

Ticks, not identified

Cape Prince Wales

(Geary, 1953)

B. Swans, geese, ducks

Anser albifrons - White-fronted goose

Hymenolepis creplini (Krabbe, 1869)

Hymenolepis barrowensis n. sp. Schiller, 1952

Meade River, 50 miles south of Barrow Village

(Schiller, 1952D)

Branta canadensis - Canadian goose

Amidostomum anseres

(Dunagan, 1957C)

Branta canadensis minima - Cackling Canada goose

Hymenolepis barrowensis Schiller, 1952

Hymenolepis yukonensis n. sp. Schiller, 1954

Yukon Delta nesting areas

(Schiller, 1954B)

Philacte canagica - Emperor goose

Hymenolepis philactes n. sp. Schiller, 1951

(Schiller, 1951C)

Hymenolepis barrowensis Schiller, 1952

Hymenolepis yukonensis n. sp. Schiller, 1954

Yukon Delta nesting areas

(Schiller, 1954B)

Paramonostomum malerischi Dunagan, 1957

80 miles east of Nome

(Dunagan, 1957B)

Paramonostomum malerischi Dunagan, 1957

Hymenolepis lanceolata

Hymenolepis sp.

Nematode

(Dunagan, 1957C)

Anas (Dafila) acuta - Pintail duck

Trinoton quequedulae (Linnaeus)

Barter Island

(Weber, 1950)

Hymenolepis stolli Brock, 1941 =H. mastigopraedita Polk, 1942

=H. dafilde Polk, 1942

Hymenolepis yukonensis n. sp. Schiller, 1954

Yukon Delta nesting areas

(Schiller, 1954B)

Anas crecca - Aleutian teal

Diorchis longiovum n. sp. Schiller, 1953

(Schiller, 1953A)

Mareca americana - Baldpate

Hymenolepis

Notocotylus naviformis (?)

Cestode

(Dunagan, 1957C)

Aythya affinis - Lesser scaup

Hymenolepis echinorostrae n. sp. Schiller, 1957

Hymenolepis arcuata Kowalewski, 1904

Hymenolepis macracantha (Von Linstow, 1877)

Fimbriaria fasciolaris (Pallas, 1871)

Diorchis acuminata (Clerc, 1902)

Amchitka, Aleutian Islands

(Schiller, 1957)

Aythya marila nearctica - Greater scaup
Hymenolepis coronula (Dujardin, 1845)
Hymenolepis arcuata (Kowalewski, 1904)
Hymenolepis hopkinsi Schiller, 1951
Hymenolepis kenaiensis n. sp. Schiller, 1952
Kenai River, Kenai Peninsula
(Schiller, 1952B)

Clangula hyemalis - Oldsquaw
Lateriporus teres (Krabbe, 1869)
Hymenolepis jagerskioldi Fuhrman, 1913
Fimbriariodes intermedia (Fuhrman, 1913)
Fimbriaria fasciolaris (Pallas, 1871)
Hymenolepis coronula (Dujardin, 1845)
(Schiller, 1955C)

Lampronetta fischeri - Spectacled eider
Hymenolepis yukonensis n. sp. Schiller, 1954
Yukon Delta nesting areas
(Schiller, 1954B)
Hymenolepis arctica n. sp. Schiller, 1955
Lateriporus teres (Krabbe, 1869)
Hymenolepis sacciperum Mayhew, 1925
Hymenolepis yukonensis Schiller, 1954
Diorchis flavescens Kreffft, 1871
Schistocephalus solidus (Muller, 1776)
Various localities
(Schiller, 1955A)

Polysticta stelleri - Steller's eider
Anaticola sp.
Point Barrow
(Weber, 1950)
Haploparaxis polystictae n. sp. Schiller, 1955
Hymenolepis siberica (Von Linstow, 1905)
Various localities
(Schiller, 1955A)

Somateria spectabilis - King eider
Hymenolepis arctica n. sp. Schiller, 1955
Hymenolepis fallax (Krabbe, 1869)
Fimbriariodes intermedia (Fuhrman, 1913)
Lateriporus teres (Krabbe, 1869)
Hymenolepis microsoma (Creplin, 1829)
Various localities
(Schiller, 1955A)

Somateria v-nigra - Pacific common eider

Corynosoma mergi Lundstrom, 1941

Polymorphus arcticus (Van Cleave, 1920)

(Van Cleave and Rausch, 1951)

(Also list of Acanthocephala known from eider ducks.)

Hymenolepis arctica n. sp. Schiller, 1955

Hymenolepis fallax (Krabbe, 1869)

Fimbriariodes intermedia (Fuhrman, 1913)

Lateriporus teres (Krabbe, 1869)

Hymenolepis microsoma (Creplin, 1829)

Hymenolepis fausti (Tseng Shen, 1932)

Hymenolepis tenuirostris (Rudolphi, 1819)

Various localities

(Schiller, 1955A)

Oidemia sp. - Scoter duck

Docophorus melanocephalus Burmeister

Austromenopon transversum (Denny) = Menopon infrequens Kellogg

(Kellogg and Kuwana, 1900)

C. Cranes, Oystercatchers, Plovers, Sandpipers,
Phalaropes and Turnstones

Grus canadensis - Sandhill crane

Strigea gruis n. sp. Dubois and Rausch, 1964

Several localities

(Dubois and Rausch, 1964)

Haematopus bachmani - Black oystercatcher

Ophryocotyle alaskensis n. sp. Webster, 1949

Sitka

(Webster, 1949)

Pluvialis dominica - Golden plover

Myrsidea (?)

Point Barrow

(Weber, 1950)

Arhythmorhynchus comptus n. sp. Van Cleave and Rausch, 1950

Juneau and mouth of Eagle River

(Van Cleave and Rausch, 1950)

Erolia alpina - Red-backed sandpiper

Myrsidea (?)

Point Barrow

(Weber, 1950)

Tringa canuta - Sandpiper

Nirmus complexivus Kellogg and Chapman
(Kellogg and Kuwana, 1900)

Degeeriella complexiva (Kellogg and Chapman)
(Weber, 1950)

Tringa couesi - Sandpiper

Degeeriella complexiva (Kellogg and Chapman)
(Weber, 1950)

Limnodromus spp. - Dowitcher

Shibleya inermis Fuhrmann, 1908
(Voge and Rausch, 1956)
(Redescribed)

Crymophilus fulicarius - Red phalarope

Quadriceps phalaropi (Denny) = Nirmus infectus Kellogg and Kuwana
Austromenopon corporosum (Kellogg and Kuwana) = Menopon corporosum
Kellogg and Kuwana
(Kellogg and Kuwana, 1900)

Arenaria interpes - European turnstone

Actornithophilus bicolor (Piaget) = Colpocephalum paetulum Kellogg
and Kuwana
Austromenopon corporosum (Kellogg and Kuwana) = Menopon corporosum
Kellogg and Kuwana
(Kellogg and Kuwana, 1900)

D. Jaegers, Gulls, Kittiwakes, Terns, and Albatrosses

Stercorarius parasiticus - Parasitic jaeger

Docophorus melanocephalus Burmeister

Quadriceps normifer normifer (Grube) = Nirmus triangulatus Nitzsch
(Kellogg and Kuwana, 1900)

Philopterus pustulosa Nitzsch

Camden Bay

(Weber, 1950)

Stercorarius pomarinus - Pomarine jaeger

Esthiopterum modestum (Giebel)

Degeeriella normifer (Grube)

Perineus laculatus (Kellogg and Chapman)

Point Barrow

(Weber, 1950)

Stercorarius sp. - Jaeger

Harrisoniella grandis (Piaget) = Lipeurus laculatus Kellogg and Chapman

(Kellogg and Kuwana, 1900)

Larus argentatus - Herring gull

Diphyllobothrium (?) dendriticum (Nitzsch, 1824)

(Hilliard, 1960)

Larus glaucescens - Glaucus-winged gull

Diphyllobothrium dalliae n. sp. Rausch, 1956

Experimental host

(Rausch, 1956B)

Diphyllobothrium (?) dendriticum (Nitzsch, 1824)

(Hilliard, 1960)

Diphyllobothrium ursi Rausch, 1954

Experimental infection

(Hilliard, 1960)

Rhodostethia rosea - Ross's gull

Docophorus alaskensis Kellogg and Kuwana

(Kellogg and Kuwana, 1900)

Xema sabinii - Sabin's gull

Haploparaxis xemae n. sp. Schiller, 1951

Hymenolepis haldemani n. sp. Schiller, 1951

(Schiller, 1951A)

Rissa tridactyla - Pacific kittiwake

Tetrabothrium erostre (Linnberg, 1889)

Anomotaenia larina (Krabbe, 1869)

Anomotaenia micracantha (Krabbe, 1869)

Haploparaxis rissae n. sp. Schiller, 1951

St. Lawrence Island

(Schiller, 1951B)

Sterna paradisaea - Arctic tern

Schistogonimus rarus (?)

(Dunagan, 1957C)

Diomedea nigripes - Albatross

Lipeurus ferox Giebel

Perineus confidens (Kellogg) = Lipeurus confidens Kellogg

Harrisoniella densa (Kellogg) = Lipeurus densus Kellogg

Episbates pederiformis (Dufour) = Lipeurus macilhennyi Kellogg and Kuwana

Eurymetopus brevis (Dufour)

Procellariphaga pinguis (Kellogg) = Colpocephalum pingue Kellogg
(Kellogg and Kuwana, 1900)

Marine Birds

Ixodes uriae

(Cooley and Kohls, 1945)

Host-Parasite List of Fish

Boreogadis saida - Arctic tomcod

Hemiurus levinseni Odhner, 1905

Corynosoma sp.

Echinorhynchus gadi

Contracaecum sp.

Contracaecum clavatum

Echinorhynchus salmonis

Plerocercoids

(Dunagan, 1957C)

Catostomus commersoni - White sucker

Glaridacris catostomi

(Dunagan, 1957C)

Dallia pectoralis - Blackfish

Diphyllobothrium dallae n. sp. Rausch, 1956

Napaskiak, lower Kuskokwim River

(Rausch, 1956B)

(Natural infection of larvae in fish)

Diphyllobothrium dalliae

Anasikid sp.

Pseudophyllidian larva

Proteocephalus sp.

Raphidascaris sp.

Neoechinorhynchus rutili

Phyllodistomum lysteri Muller, 1784

(Dunagan, 1957C)

Diphyllobothrium dalliae

Triaenophorus sp.

(Hilliard, 1960)

Dallia sp. - Blackfish

Diphyllobothrium spp. (larvae)

(Colyar, 1963)

Esox lucius - Northern pike

Crepidostomum farionis Muller, 1784

Cyathocephalus truncatus

Trianophorus crassus Forrell, 1868

Plerocercoid

Neoechinorhynchus tenellus

Raphidascaris sp.

Raphidascaris acus (?)

(Dunagan, 1957C)

Gasterosteus aculeatus - Threespine stickleback

Bunodera sp.

Peracreadium gasterostei

Contracecum sp.

Acanthocephalus lucii

(Dunagan, 1957C)

Pungitis sp. - Ninespine stickleback

Diphyllobothrium spp. (larvae)

(Colyar, 1963)

Hexagrammos superciliosus - Greenling

Urinatrema aspinosum n. sp. Schiller, 1956

(Schiller, 1956A)

Lebius superciliosus - Greenling

Porrocaecum decipiens Krabbe, 1878 (larval stages)

Amchitka Island

(Rausch, 1953A)

(This is an important parasite of the sea otter.)

Lota lota lota - Burbot

Nematodes

(Dunagan, 1957C)

Osmerus dentex - Smelt

Diphyllobothrium osmeri

Porrocaecum sp.

(Hilliard, 1960)

Corynosoma similis n. sp. Neiland, 1962 (larval stage)

Kvichak River, Bristol Bay

(Neiland, 1962A)

Osmerus mordax - American smelt

Corynosoma wegeneri Heinze, 1934 =C. hadweni Van Cleave, 1953

(Golvan, 1959)

Onchorhynchus keta - Chum or dog salmon

Henneguya salmincola Ward

Southeastern Alaska

(Fish, 1939)

Onchorhynchus kisutch - Coho or silver salmon

Tetraconchus alaskensis n. sp. Price, 1937

Sitkoh Bay

(Price, 1937)

Henneguya salmincola Ward

Southeastern Alaska

(Fish, 1939)

Onchorhynchus nerka - Sockeye or blueback salmon

Diphyllbothrium ursi n. sp. provis. Rausch, 1954

Kodiak Island

(Rausch, 1954B)

Philonema onchorynchae

Plerocercoids

(Dunagan, 1957C)

Diphyllbothrium ursi

(Hilliard, 1960)

Onchorhynchus tshawytscha - Chinook or king salmon

Henneguya salminicola Ward

Southeastern Alaska

(Fish, 1939)

Prosopium cylindraceum - Round whitefish

Nematode

Proteocephalus filicollis (?)

(Dunagan, 1957C)

Salvelinus malma spectabilis - Dolly Varden trout

Tetraconchus alaskensis n. sp. Price, 1937

Sitkoh Bay

(Price, 1937)

Salvelinus namaycush - Lake trout

Crepidostomum farionis

Cyathocephalus truncatus

Triaenophorus crassus

Raphidascaris sp.

Cystidicola stigmatura

(Dunagan, 1957C)

Diphyllbothrium sp.

(Hilliard, 1960)

Salmo gairdneri - Rainbow trout

Diphyllbothrium sp.

(Babero and Rausch, 1953)

Diphyllbothrium sp.

(Hilliard, 1960)

Salmo gairdneri gairdneri - Rainbow trout

Crepidostomum farionis

Ligula intestinalis (larva)

Neoechinorhynchus sp.

Proteocephalus

Eubothrium crassum

Salmincola edwardsii

(Dunagan, 1957C)

Salmo mykiss

Tetraconchus alaskensis n. sp. Price, 1937

Sitkoh Bay

(Price, 1937)

Somniosus microcephalus - Sleeper shark

Onchocotyle somniosi Causey, 1926

Excursion Inlet (1909)

(Causey, 1926)

Erpocotyle somniosi (Causey, 1926)

(Price, 1942)

(New combination for Onchoctyle somniosi Causey)

Thymallus arcticus - American grayling

Diphyllobothrium sp.

Triaenophorus sp.

Spiurid larvae

(Hilliard, 1960)

Thymallus arcticus signifer - Arctic grayling

Cyathostome sp.

Parasitic isopods

Triaenophorus crassus

Proteocephalus sp.

Neoechinorhynchus rutili Muller, 1780

Phyllodistomum sp.

Crepidostomum isostomum Hopkins, 1931

Salmincola edwardsii (?)

Anisikid sp.

Dactylorhynchid (Monogenetic trematodes)

(Dunagan, 1957C)

Coregonus lavaretus

Diphyllobothrium sp.

(Hilliard, 1960)

Eelpouts

Diocus frigidus

Point Barrow

(Walters, 1953)

Fish - many species

Neoechinorhynchus rutili

(Van Cleave and Lynch, 1950)

Fish tapeworms

(Schiller, 1952A)

Host of intermediate stages of Diphyllbothrium cestodes used
in study.

(Hilliard, 1960)

Salmon

Nanophyetus salmincola

Bristol Bay

(Farrell, 1964)

Opsanus tau - Toadfish

Opechona alaskensis n. sp. Ward and Fillingham, 1934

Excursion Inlet

(Ward and Fillingham, 1934)

Several important papers by L. Margolis of the Fisheries Research
Board of Canada, Nanaimo, were overlooked in the preparation of this
index. (W.L.J.)

Host-Parasite List of Amphibia and Reptiles

AMPHIBIA

Rana sylvatica - Wood frog

Clinostomum sp.

Cephalogonimus

Nematodes

(Dunagan, 1957C)

REPTILIA

Boa (imported)

Amblyomma dissimile Koch

(Kohls, 1965, unpublished data)

List of Parasites Recorded from Alaska with Exception of Fleas

The following abbreviations are used in this list to identify the group to which the parasite belongs.

A	= Acarina	M	= Mallophaga
Ac	= Acanthocephala	N	= Nematoda
An	= Anoplura	P	= Protozoa
C	= Cestoda	T	= Trematoda
D	= Diptera		

<u>Acanthocephalus lucii</u>	Ac	45
Acarina	A	24,38
<u>Actornithophilus bicolor</u>	M	
= <u>Colpocephalum paetulum</u>	M	42
<u>Alaria canis</u>	T	6,7,8
<u>Alaria mustelae</u>	T	9,28
<u>Alaria sp.</u>	T	9
<u>Amblyomma dissimile</u>	A	48
<u>Amidostomum anseres</u>	N	38
<u>Anaticola sp.</u>	T	40
<u>Ancylostoma canium</u>	N	6,7
<u>Andrya arctica</u>	C	22,23,24,25,26
<u>Andrya macrocephala</u>	C	21,24,26,27
= <u>Paranoplocephala kirbyi</u>	C	25
<u>Andrya primordialis</u>	C	22,23,27
<u>Andrya sp.</u>	C	21
<u>Anisakis</u>	N	
= <u>Anisakid sp.</u>	N	44
= <u>Anisikid sp.</u>	N	47
<u>Anomotaenia larina</u>	C	43
<u>Anomotaenia micracantha</u>	C	43
<u>Antarctophthirus callorhini</u>	An	4,12
<u>Antarctophthirus microchir</u>	An	13
<u>Antarctophthirus trichechi</u>	An	15
<u>Apaulina avium</u>	D	37
<u>Apaulina sapphira</u>	D	37
<u>Apaulina sp.</u>	D	
<u>Arhythmorhynchus comptus</u>	Ac	41
<u>Ascaridia compar</u> (?)	N	34,35
<u>Ascaris columnaris</u>	N	9
<u>Ascaris devosi</u>	N	9,10
<u>Ascaris laevis</u>	N	19,20
<u>Ascaris tarbagan</u>	N	20
<u>Ascarophis sp.</u>	N	1,2

<u>Austromenopon corporosum</u>	M	
= <u>Menopon corporosum</u>	M	42
<u>Austromenopon transversum</u>	M	
= <u>Menopon infrequens</u>	M	41
<u>Besnoitia tarandi</u>	P	
= <u>Fibrocystis tarandi</u>	P	31
Biting flies	D	53
<u>Brachylaima fuscata</u> or <u>fuscatum</u>	T	33, 34
<u>Brachylaima nicolli</u>	T	36
<u>Brachylaima rauschi</u>	T	23, 26
<u>Brachylaima</u> sp.	T	29
<u>Bruelia vulgata</u>	M	
= <u>Degeeriella vulgata</u>	M	37
<u>Bunodera</u> sp.	?	45
<u>Capillaria hepatica</u>	N	20, 23
<u>Capillaria</u> sp.	N	1, 22, 34
Capillary (?)	N	1
<u>Castorstrongylus castori</u>	N	18
<u>Catatropis filamentis</u>	?	28
<u>Catenotaenia dendritica</u>	C	22
<u>Catenotaenia reggiae</u>	C	20
<u>Centrorhynchus scanensis</u>	Ac	36
<u>Cephalogonimus</u> sp.	Ac	48
<u>Cephalurus alaskensis</u>	N	29
<u>Cephalurus collaris</u>	N	29
<u>Cephenemyia trompe</u>	D	32
= <u>Cephenomyia nasalis</u>	D	31
Cestode	C	36, 39
<u>Cittotaenia pectinata americana</u>	C	29
<u>Clinostomum</u> sp.	T	48
Coccidia	P	2
<u>Colpocephalum paetulum</u>	M	42
<u>Colpocephalum pingue</u>	M	44
<u>Contracecum clavatum</u>	N	44
<u>Contracecum spasskii</u>	N	38
<u>Contracecum</u> sp.	N	38, 44, 45
<u>Cooperia bisonis</u>	N	30
Corn meal disease	P	32
= <u>Besnoitia tarandi</u>	P	
<u>Corynosoma alaskensis</u>	Ac	32a
<u>Corynosoma enhydri</u>	Ac	
= <u>Corynosoma macrosomum</u>	Ac	9
<u>Corynosoma falcatum</u>	Ac	15
<u>Corynosoma hadweni</u>	Ac	14, 15, 45
<u>Corynosoma macrosomum</u>	Ac	9
<u>Corynosoma mergi</u>	Ac	41
<u>Corynosoma reductum</u>	Ac	14
<u>Corynosoma similis</u>	Ac	12, 13, 32, 45

<u>Corynosoma somerme</u>	Ac	12,14,15
<u>Corynosoma sp.</u>	Ac	8,12,33,44
<u>Corynosoma strumosum</u>	Ac	6,8,11,12,13,14,15
<u>Corynosoma validum</u>	Ac	11,13,15
<u>Corynosoma villosum</u>	Ac	8,12,13,15
<u>Corynosoma wegeneri</u>	Ac	14,15,32,45
<u>Crepidostomum farionis</u>	T	45,46,47
<u>Crepidostomum isostomum</u>	T	47
<u>Cryptocotyle jejuna</u>	T	12
<u>Cryptocotyle lingua</u>	T	5
<u>Cyathocephalus truncatus</u>	?	45,46
<u>Cyathostome sp.</u>	N	47
<u>Cysticercus krabbei</u>	C	31
<u>Cysticercus rangiferi</u>	C	32
(Probably = <u>Taenia krabbei</u>)	C	32
<u>Cysticercus tenuicollis</u>	C	31
<u>Cystidicola stigmatura</u>	N	46
Cysts of parasites		32
<u>Dactylorhynchid</u>	T	47
<u>Davainea proglottina</u>	C	34,35
<u>Degeeriella complexiva</u>	M	42
<u>Degeeriella normifer</u>	M	43
<u>Degeeriella vulgata</u>	M	37
<u>Demodex canis</u>	A	6
<u>Dermacentor variabilis</u>	A	32a
<u>Dermanyssus gallinae</u>	A	37
<u>Dermatophyes sp.</u>	N	29
<u>Diandrya composita</u>	C	20
<u>Dibothriocephalus latus</u>	C	11
<u>Dictyocaulus sp.</u>	N	31
<u>Dictyocaulus vivipara</u>	N	30
<u>Diocus frigidus</u>	T	47
<u>Diorchis acuminata</u>	C	39
<u>Diorchis flavescens</u>	C	40
<u>Diorchis longiovum</u>	C	39
<u>Dipetalonema spirocauda</u>	N	12
<u>Diphyllobothrid</u>	C	12
<u>Diphyllobothrium alascense</u>	C	6
<u>Diphyllobothrium cordatum</u>	C	6,14,15
<u>Diphyllobothrium dalliae</u>	C	3,5,17,43,44
<u>Diphyllobothrium (?) dendriticum</u>	C	43
<u>Diphyllobothrium ditremum</u>	C	38
<u>Diphyllobothrium lanceolatum</u>	C	14
<u>Diphyllobothrium osmeri</u>	C	6,14,45
<u>Diphyllobothrium sp.</u>	C	9,16,18,46,47,48
<u>Diphyllobothrium sp.</u>	C	
(Probably <u>D. latum</u>)	C	16

<u>Diphyllobothrium</u> sp.	C	
(probably <u>D. ursi</u>)	C	11
<u>Diphyllobothrium</u> spp.	C	16,18,44,45
<u>Diphyllobothrium</u> <u>ursi</u>	C	12,43,46
<u>Diplogonoporus</u> <u>balaenoptera</u>	C	4,6
<u>Diplogonoporus</u> <u>tetraapterus</u>	C	9,10,13
<u>Dirofilaria</u> <u>immitis</u>	N	14
<u>Dirofilaria</u> <u>scapiceps</u>	N	29
<u>Dirofilaria</u> sp.	N	29
<u>Dispharynx</u> <u>soricis</u>	N	2
Distemper-like disease		4
<u>Docophorus</u> <u>alaskensis</u>	M	43
<u>Docophorus</u> <u>ceblebrachys</u>	M	35
<u>Docophorus</u> <u>cursor</u>	M	35
<u>Docophorus</u> <u>melanocephalus</u>	M	41,42
<u>Echinococcus</u> <u>alveolaris</u>	C	3
<u>Echinococcus</u> <u>granulosus</u>	C	3,4,5,6,7,16,17,18,24, 25,30,31,32
<u>Echinococcus</u> <u>granulosus</u> <u>alveolaris</u>	C	5
<u>Echinococcus</u> <u>multilocularis</u>	C	2,3,4,6,8,17,21,22,24, 26,28
<u>Echinococcus</u> <u>sibiricensis</u>	C	1,3,5,16,17,21,25
<u>Echinococcus</u> sp.	C	1,2,3,4,5,7,16,17,18,19, 21,22,24,25,26,27,30,31
<u>Echinophthirius</u> <u>horridus</u>	An	14
<u>Echinorhynchus</u> <u>gadi</u>	Ac	44
<u>Echinorhynchus</u> <u>salmonis</u>	Ac	44
<u>Echinostomum</u> <u>callawayensis</u>	T	28
<u>Eimeria</u> <u>angusta</u>	P	33
<u>Eimeria</u> <u>bonasae</u>	P	33,34
<u>Endamoeba</u> <u>histolytica</u>	P	17
<u>Enderleinellus</u> <u>nitzschi</u>	An	20
<u>Enderleinellus</u> <u>suturalis</u>	An	19
Enteritis		8
<u>Episbates</u> <u>pederiformis</u>	M	
= <u>Lipeurus</u> <u>macilhennyi</u>	M	44
<u>Erpocotyle</u> <u>somnoisi</u>	T	
= <u>Onchocotyle</u> <u>somnoisi</u>	T	47
<u>Esthiopterum</u> <u>modestum</u>	M	43
<u>Eubothrium</u> <u>crassum</u>	C	47
<u>Eugeneris</u> <u>talkeetnaeauris</u>	N	29
<u>Eupodia</u> sp.	A	17
<u>Eurymetopus</u> <u>brevis</u>	M	44
<u>Eutrichophilus</u> <u>setosus</u>	M	19
<u>Fibrocystis</u> sp.	P	32
<u>Fibrocystis</u> <u>tarandi</u>	P	31
<u>Filaria</u> sp.	N	33,34
<u>Fimbriaria</u> <u>fasciolaris</u>	C	39,40

<u>Fimbriariodes intermedia</u>	C	40,41
Fish tapeworms	C	48
<u>Giardia lamblia</u>	P	17
<u>Glaridacris catostomi</u>	C	44
<u>Goniodes mammillatus</u>	M	34
<u>Hadwenius seymori</u>	T	32
<u>Haemaphysalis leporis-palustris</u>	A	29,34
<u>Haemogamasus alaskensis</u>	A	23,24,25,37
<u>Haemogamasus ambulans</u>	A	25,32a
<u>Haemogamasus twitchelli</u>	A	21
<u>Haemolaelaps glasgowi</u>	A	19
<u>Haemonchus contortus</u>	N	32
<u>Haploparaxis galli</u>	C	34
<u>Haploparaxis polystictae</u>	C	40
<u>Haploparaxis rissae</u>	C	43
<u>Haploparaxis xemae</u>	C	43
<u>Haplosporangium sp.</u>	Fungus	26
<u>Harrisoniella densa</u>	M	
= <u>Lipeurus densus</u>	M	44
<u>Harrisoniella grandis</u>	M	
= <u>Lipeurus laculatus</u>	M	43
<u>Heligmosomum costellatum</u>	N	26,27
<u>Heligmosomum hudsonius</u>	N	23
<u>Heligmosomum sp.</u>	N	21,25
<u>Hemiurus levinseni</u>	T	44
<u>Henneguya salmincola</u>	P	45,46
<u>Hirstionyssus isabellinus</u>	A	23,25
<u>Hoplopleura acanthopus</u>	An	23
<u>Hoplopleura sciuricola</u>	An	20
Hydatid cysts		31
Hydatid disease		30
<u>Hydatigera lyncis</u>	C	10
<u>Hymenolepis arctica</u>	C	40,41
<u>Hymenolepis arcuata</u>	C	39,40
<u>Hymenolepis barrowensis</u>	C	38,39
<u>Hymenolepis coronula</u>	C	40
<u>Hymenolepis creplini</u>	C	38
<u>Hymenolepis dafilde</u>	C	39
<u>Hymenolepis echinorostrae</u>	C	39
<u>Hymenolepis evaginata</u>	C	28
<u>Hymenolepis falculata</u>	C	1
<u>Hymenolepis fallax</u>	C	40,41
<u>Hymenolepis fausti</u>	C	41
<u>Hymenolepis fraterna</u>	C	20
<u>Hymenolepis haldemani</u>	C	43
<u>Hymenolepis hopkinsi</u>	C	40
<u>Hymenolepis horrida</u>	C	1,22,23,24,26,27
<u>Hymenolepis intricatus</u>	C	1

<u>Hymenolepis jagerskioldi</u>	C	40
<u>Hymenolepis johnsoni</u> (not Alaska)	C	27
<u>Hymenolepis kenaiensis</u>	C	40
<u>Hymenolepis lanceolata</u>	C	39
<u>Hymenolepis macracantha</u>	C	39
<u>Hymenolepis mastigopraedita</u>	C	39
<u>Hymenolepis microsoma</u>	C	40, 41
<u>Hymenolepis nana</u>	C	20
<u>Hymenolepis parva</u>	C	1, 2
<u>Hymenolepis philactes</u>	C	39
<u>Hymenolepis sacciperum</u>	C	40
<u>Hymenolepis schilleri</u>	C	1
<u>Hymenolepis siberica</u>	C	40
<u>Hymenolepis sp.</u>	C	1, 2, 36, 37, 38, 39
<u>Hymenolepis sphenomorphus</u>	C	1
<u>Hymenolepis stolli</u>	C	
= <u>H. mastigopraedita</u>	C	39
= <u>H. dafilde</u>	C	39
<u>Hymenolepis tenuirostris</u>	C	41
<u>Hymenolepis yukonensis</u>	C	39, 40
Isopods	Arthropod	47
<u>Ixodes angustus</u>	A	19, 21, 22, 24, 25, 30
<u>Ixodes signatus</u>	A	15, 36, 38
= <u>Ceratixodes signatus</u>	A	
= <u>Ixodes arcticus</u>	A	
= <u>Ixodes eudypitidis signatus</u>	A	
<u>Ixodes uriae</u>	A	44
= <u>Ceratixodes putus</u>	A	
= <u>Ixodes hirsutus</u>	A	
= <u>Ixodes putus</u>	A	
<u>Labiostomum rauschii</u>	N	29
<u>Laelaps alaskensis</u>	A	23, 26, 37
<u>Laelaps kochi</u>	A	25
<u>Laelaps multispinosus</u>	A	28
<u>Laelaps muris</u>	A	26
<u>Laelaps pachypus</u>	A	32a
<u>Lagopoecus affinis</u>	M	
= <u>Lipeurus affinis</u>	M	34
= <u>Lipeurus protervus</u>	M	34
<u>Lateriporus teres</u>	C	40, 41
<u>Leptinellus validus</u>	Coleoptera	18, 28
<u>Leptospira canicola</u>	Spirochaete	5
<u>Leptospira pomona</u>	Spirochaete	5
<u>Leucochlorodiu pricei</u>	T	33
<u>Leucochlorodiu variaie</u>	T	34
<u>Ligula intestinalis</u>	C	47
<u>Linognathus setosus</u>	An	3, 4, 6

<u>Lipeurus affinis</u>	M	34
<u>Lipeurus confidens</u>	M	44
<u>Lipeurus densus</u>	M	44
<u>Lipeurus ferox</u>	M	44
<u>Lipeurus laculatus</u>	M	43
<u>Lipeurus macilhennyi</u>	M	44
<u>Lipeurus protervus</u>	M	34
<u>Lueheia boraotis</u>	Ac	37
<u>Maritrema afanassjewi</u>	T	8
<u>Mastophorus muris</u>	N	21,22
<u>Melophagus ovinus montanus</u>	D	30,31
= <u>M. ovinus</u>	D	
<u>Menopon corporosum</u>	M	42
<u>Menopon infrequens</u>	M	41
<u>Mesocestoides kirbyi</u>	C	8,9
<u>Mesocestoides lineatus</u>	C	8
<u>Metorchis albidus</u>	T	5
<u>Microfilaria</u>	N	14
<u>Microfilaria lagopodis</u>	N	34
<u>Microphallus enhydrae</u>	T	4,8
<u>Microphallus pirum</u>	T	4
= <u>Microphallus enhydrae</u>	T	8
<u>Molineus patens</u>	N	9,10
<u>Moniezia sp.</u>	C	31
<u>Monoecocestus</u>	C	19
<u>Mortality</u>		13,15
<u>Mosgovoyia pectinata americana</u>	C	29
<u>Multiceps multiceps</u>	C	7
<u>Myrsidea</u>	N	41,42
<u>Nanophetus salmincola</u>	T	48
<u>Nematodes</u>	N	1,24,39,45,46,48
<u>Nematodirella longispiculata</u>	N	31
<u>Nematodirus sp.</u>	N	31
<u>Nematodirus tarandi</u>	N	31
<u>Nematospiroides</u>	N	22,24
<u>Nematospiroides longispiculatus</u>	N	26,31
<u>Nematospiroides spp.</u>	N	26
<u>Neoechinorhynchus rutili</u>	Ac	44,47,48
<u>Neoechinorhynchus sp.</u>	Ac	47
<u>Neoechinorhynchus tenellus</u>	Ac	45
<u>Neohaematopinus laeviusculus</u>	An	18,19
<u>Neotrombicula harperi</u>	A	
= <u>Trombicula (Neotrombicula)</u>		
<u>microti</u>	A	25
<u>Nirmus complexivus</u>	M	42
<u>Nirmus infectus</u>	M	42
<u>Nirmus triangulatus</u>	M	42

<u>Notocotylus filamentis</u>	T	28
<u>Notocotylus naviformis</u> (?)	T	39
<u>Obeliscus cuniculi</u>	N	29
<u>Oedemagena tarandi</u>	D	31
<u>Onchocerca</u> sp.	N	30
<u>Onchocotyle somniosi</u>	T	47
<u>Opechona alaskensis</u>	T	48
<u>Ophryocotyle alaskensis</u>	T	41
<u>Ornithomyia fringillina</u>	D	33
<u>Orthohalarachne attenuata</u>	A	12,13
<u>Orthohalarachne diminuata</u>	A	12,13
<u>Orthohalarachne rosmari</u>	A	15
<u>Orthosplanchnus fraterculus</u>	T	8
<u>Otophocaenurus oserkaiaae</u>	N	
= <u>Pharurus oserkaiaae</u>	N	32
<u>Paramonostomum malerischi</u>	T	39
<u>Paranoplocephala borealis</u>	C	27
<u>Paranoplocephala infrequens</u>	C	23,24,25,26,27
<u>Paranoplocephala kirbyi</u>	C	25
<u>Paranoplocephala lemmi</u>	C	23,24
<u>Paranoplocephala omphalodes</u>	C	25,26,27
<u>Paranoplocephala variabilis</u>	C	26,27,
<u>Paranoplocephala wigginsii</u>	C	19
<u>Paruternia candelabraria</u>	C	27,35
<u>Passalurus ambiguus</u>	N	29
<u>Passalurus nonannulatus</u>	N	29
<u>Pediculosis</u>	An	16
<u>Pediculus humanus</u>	An	
<u>Pediculus humanus americanus</u>	An	16
<u>Peracreadium gasterostei</u>	T	45
<u>Perineus confidens</u>	M	
= <u>Lipeurus confidens</u>	M	44
<u>Perineus laculatus</u>	M	43
<u>Pharurus oserkaiaae</u>	N	32
<u>Philonema onchorhynchae</u>	N	46
<u>Philoapterus ceblebrachys</u>	M	35
<u>Philoapterus cursor</u>	M	35
<u>Philoapterus pustulosus</u>	M	42
<u>Philoapterus subflavescens</u>	M	36,37
<u>Phocanema decipiens</u>	N	12
<u>Phocitrema fusiforme</u>	T	4,8,12
<u>Phormia</u> sp.	D	31
<u>Phthirus pubis</u>	An	17
<u>Phyllodistomum lysteri</u>	T	44
<u>Phyllodistomum</u> sp.	T	47
<u>Physaloptera torquata</u>	N	9
Pinworms	N	17
Plagiorchidae	T	35

<u>Plagiorchis (?) massino</u>	T	7
<u>Plagiorchis proximus</u>	T	28
<u>Plagiorchis sp.</u>	T	22
<u>Plagiorhynchus formosus</u>	Ac	36,37
<u>Plagiorhynchus paulus</u>	Ac	36
<u>Pleurocercoids</u>	C	44,45,46
<u>Polymorphus arcticus</u>	Ac	41
<u>Polymorphus sp.</u>	Ac	28
<u>Polyplax alaskensis</u>	An	21,24,25
<u>Polyplax auricularis</u>	An	20
<u>Polyplax borealis</u>	An	22
<u>Porrocaecum decipiens</u>	N	8,9,13,45
<u>Porrocaecum sp.</u>	N	45
<u>Pricetrema zalophi</u>	T	8,12
<u>Procellariphaga pinguis</u>	M	
= <u>Colpocephalum pingue</u>	M	44
<u>Proechinophthirus fluctus</u>	An	4,12
<u>Prosthodendrium alaskensis</u>	T	2
<u>Prosthodendrium duboisi</u>	T	2
<u>Proteocephalus filicollis (?)</u>	C	46
<u>Proteocephalus sp.</u>	C	44,47
<u>Protocalliphora sp.</u>	D	33
<u>Pseudophyllidian cestodes</u>	C	12,13,14
Species #1	C	12,14
Species #2	C	12
Species #4	C	13
<u>Pseudophyllidian larva</u>	C	44
<u>Pyramicocephalus phocarum</u>	C	8,14
<u>Quadriceps normifer normifer</u>	M	
= <u>Nirmus triangulatus</u>	M	42
<u>Quadriceps phalaropi</u>	M	
= <u>Nirmus infectus</u>	M	42
<u>Quinqueserialis quinqueserialis</u>	T	26,28
<u>Quinqueserialis spp.</u>	T	26
<u>Raillietina urogalli</u>	C	34
<u>Raillietina sp.</u>	C	34
<u>Raphidascaris acus (?)</u>	N	45
<u>Raphidascaris sp.</u>	N	44,45,46
<u>Rhabdometra nullicollis</u>	C	34
<u>Rictularia microti</u>	N	22,24,25,26
<u>Saemundssonina cephalus</u>	M	
= <u>Philopterus pustulosus</u>	M	42
<u>Salminicola edwardsii</u>	T	47
<u>Sarcocystis richardi</u>	P	14,15
<u>Sarcocystis sp.</u>	P	30,32
<u>Sarcosporidia</u>	P	31
<u>Schistocephalus solidus</u>	C	6,38,40
<u>Schistogonimus rarus (?)</u>	T	43

<u>Schizorchis caballeri</u>	C	29
<u>Schizorchis ochotonae</u>	C	29
<u>Schizotaenia americanum</u>	C	19
<u>Schizotaenia variabilis</u>	C	
= <u>Schizotaenia americanum</u>	C	19
<u>Setaria (?) tundra</u>	N	30
<u>Shipleya inermis</u>	C	42
<u>Simulium venustum</u>	D	29
<u>Skrjabinogylus nasicola</u>	N	10,11
<u>Soboliphyme baturini</u>	N	10
<u>Spinturnix americanus</u>	A	2
<u>Spiurid larvae</u>	N	1,47
<u>Stachiella larsoni</u>	M	11
<u>Stichorchis subtriquetrus</u>	T	18
<u>Strigiphilus ceblebrachys</u>	M	
= <u>Docophorus ceblebrachys</u>	M	35
= <u>Phlopterus ceblebrachys</u>	M	35
<u>Strigiphilus cursor</u>	M	
= <u>Docophorus cursor</u>	M	35
= <u>Phlopterus cursor</u>	M	35
<u>Strigea gruis</u>	T	41
<u>Strongylus sp.</u>	N	9
<u>Suricatoecus vulpis</u>	M	3
<u>Syphacia arctica</u>	N	22,23
<u>Syphacia obvelata</u>	N	20,22,25,26,27
<u>Taenia crassiceps</u> (not Alaska)	C	27
<u>Taenia crassiceps</u>	C	4,8,21,24,26
= <u>Taenia hyperborea</u>	C	3,4
<u>Taenia hydatigena</u>	C	6,7,30,31,32
<u>Taenia krabbei</u>	C	6,7,10,30,32
<u>Taenia multiceps</u>	C	
= <u>Multiceps multiceps</u>	C	7
<u>Taenia mustelae</u>	C	22,24,26,27,28
= <u>T. tenuicollis</u> in part	C	
<u>Taenia pisiformis</u>	C	4,21,29
<u>Taenia polyacantha</u>	C	3,4,8,24,25,26
<u>Taenia rileyi</u>	C	10,29
<u>Taenia sp.</u>	C	3,7,31
<u>Taenia taeniaeformis</u>	C	20
<u>Taenia tenuicollis</u>	C	11,22,23,24,26,28
<u>Taenia twitchelli</u>	C	9,19
<u>Tatria biremis</u>	C	38
<u>Teladorsagia davtiani</u>	N	31
<u>Tetrabothrium erostre</u>	C	43
<u>Tetraonchus alaskensis</u>	T	46,47
<u>Toxascaris leonina</u>	N	3,4,7,8,10
<u>Toxascaris sp.</u>	N	11
<u>Toxocara canis</u>	N	5,6,7
<u>Toxocara cati</u>	N	10

<u>Travassosius americanus</u>	N	18
<u>Travassosius rufius</u>	N	18
Trematode	T	36
<u>Triaenophorus crassus</u>	C	45,46,47
<u>Triaenophorus sp.</u>	C	44,47
Trichina cyst	N	6,9,10,11
<u>Trichinella spiralis</u>	N	4,5,6,7,9,10,11,12,13, 15,16,17,18,19,20,21, 23,27,28,29,32
<u>Trichodectes mephitidis</u>	M	10
<u>Trichodectes sp.</u>	M	7
<u>Trichosomoides crassicauda</u>	N	20
Trichostrongyle	N	34
<u>Trichostrongylus tenuis</u>	N	34
<u>Trichuris opaca</u>	N	28
<u>Trinoton querquedulae</u>	M	39
<u>Trombicula (Neotrombicula)</u> <u>alaskensis</u>	A	22,25,36,37
<u>Trombicula (Neotrombicula)</u> <u>microti</u>	A	25
<u>Trypanosoma sp.</u> probably <u>lewisi</u>	P	20
<u>Uncinaria lucasi</u>	N	12,13
<u>Uncinaria stenocephala</u>	N	3,4,7,8
<u>Urinatrema aspinosum</u>	T	45

BIBLIOGRAPHY

- 1956 Akhtar, S. A. On the nematodes (Family: Oxyuridae Cobb; subfamily: Labiostominae n. subf.) parasitic in the pika of Alaska. Part I. Pakistan J. Sci. Res. 8:133-139.
- 1958 Akhtar, S. A. On the nematodes (Family: Oxyuridae Cobb; subfamily: Labiostominae n. subf.) parasitic in the pika of Alaska. Part II. Pakistan J. Sci. Res. 10(2):56-62.
- 1934 Allen, E. A. Eimeria angusta sp. nov. and Eimeria bonasae sp. nov. from grouse, with a key to the species of Eimeria in birds. Trans. Am. Microscop. Soc. 53:1-5.
- 1959 Anderson, Roy C. The taxonomy of Dipetalonema spirocauda (Leidy, 1858) n. comb. (=Skrjabinarai spirocauda) and Dirofilaria roemeri (Linstow, 1905) n. comb. (=Dipetalonema roemeri). Can. J. Zool. 37:481-493.
- 1953A Anon. Dogs on St. Lawrence Island restricted under quarantine. Alaska's Health 10(Apr.):1.
- 1964B Anon. Quarterly report of program activities Arctic Health Research Center. April, May, June.
- 1947 Aronson, J. D. A history of disease among the natives of Alaska. Alaska's Health 5(4): 2pp.
- 1953A Babero, B. B. SHFA. XVI. A survey of the helminth parasites of ptarmigan (Lagopus spp.). J. Parasitol. 39:538-546.
- 1953B Babero, B. B. Some helminth parasites of Alaskan beavers. J. Parasitol. 39:674-675.
- 1952 Babero, B. B. and Rausch, R. Notes on some trematodes parasitic in Alaskan canidae. Proc. Helminthol. Soc. Wash. 19(1):15-17.
- 1953 Babero, B. B. and Rausch R. Some observations on host relationships of Diphyllbothrium sp. in cats. J. Parasitol. 39(2):226-227.
- 1960 Babero, B. B. and Thomas, L. J. A record of Pharurus oserkaiiae (Skrjabin, 1942) in an Alaskan whale. J. Parasitol. 46:726.
- 1919 Baker, A. W. Rept. Can. Arctic Expedition: 1913-1918. Mallophaga. (Part D.):3-9.
- 1963 Baker, R. C., Wilke, F. and Baltzo, C. H. The northern fur seal. Circular #169, U.S. Dept. of Interior, Sept.: 22 pp.

- 1962 Becklund, W. W. Distribution and hosts of the ruminant parasite Teladorsagia davtiani Andreeva and Satubaldin 1954. Nematoda: Trichostrongylidae in the United States. J. Parasitol. 48:469.
- 1962 Bennet, G. F. and Sabrosky, C. W. The Nearctic species of the genus Cephenemyia (Diptera: Oestridae). Can. J. Zool. 40:431-448.
- 1950 Bequaert, J. C. The northernmost extension of bird Hippoboscidae in the New World: Diptera. Psyche 57:113.
- 1957 Bequaert, J. C. The Hippoboscidae or louse-flies (Diptera) of mammals and birds. Part II. Taxonomy, evolution and revision of American genera and species. Ent. Am. 36:417-611.
- 1942 Bezdek, H. Studies on the nematode, Soboliphyme baturini Petrow, 1930. Trans. Am. Microscop. Soc. 61:398-403.
- 1950 Brandley, P. J. and Rausch, R. A preliminary note on trichinosis investigations in Alaska. Arctic 3(2):105-107.
- 1958 Buckley, J. L. The Pacific walrus: A review of current knowledge and suggested management needs. Special scientific report. Wildlife No. 41. U.S. Fish and Wildlife Service, 29 pp.
- 1926 Causey, D. Onchocotyle somniosi n. sp. an ectoparasitic trematode of the sleeper shark (Somniosus microcephalus). Parasitol. 18: 195-202.
- 1961 Clark, R. C. A new record of Leptinellus validus (Horn) (Coleoptera: Leptinadae) in North America. Can. Entomol. 93:1010.
- 1952 Coddington, F. L. and Moore, P. H. Echinococcus cysts in human beings. Proc. 3rd Alaskan Sci. Conf. p. 147.
- 1963 Colyar, A. B. Some problems of disease prevention and control in subarctic and Arctic areas. Medicine and Public Health in the Arctic and Antarctic. W.H.O. Public Health Papers No. 18:81-96.
- 1955 Deliamure, S. L. The helminth fauna of marine mammals in the light of their ecology and phylogeny. Moscow: Izdatelstvo Akad. Nauk SSSR: 517 pp.
- 1932C Dikmans, G. Nematodirella longispiculata from the moose. J. Parasitol. 18:303.
- 1959 Douglas, J. D. Significance of Echinococcus multilocularis to military personnel at remote stations in Alaska. Arctic Aero-med. Lab., Ladd Air Force Base, June: 1-9.

- 1915 Douthitt, H. Studies on the cestode Family Anoplocephalidae. Illinois Biol. Monograph I.
- 1956 Dunagan, T. T. Hymenolepis sphenomorphus from Sorex cinereus in Alaska. J. Parasitol. 42:657-658.
- 1957A Dunagan, T. T. Helminth parasites of Alaskan muskrats. Trans. Am. Microscop. Soc. 76:318-320.
- 1957B Dunagan, T. T. Paramonostomum malarischi n. sp. (Trematoda: Digenea: Notocotylidae) from the emperor goose (Philacte canagica L.) in Alaska. J. Parasitol. 43:586-589.
- 1957C Dunagan, T. T. Studies on the parasites of edible animals of Alaska. Report on Project No. 7955-4. Arctic Aeromed. Lab. 18 pp.
- 1962A Emerson, K. C. A tentative list of Mallophaga from North American birds (north of Mexico). Mineographed publication from Dugway Proving Ground, Dugway, Utah. 217 pp.
- 1962B Emerson, K. C. A new species of Mallophaga from the mink. Ent. News 73:203-205.
- 1925 Ewing, H. E. New mites of the parasitic genus Haemogamasus Berlese. Proc. Biol. Soc. Wash. 38:137-143.
- 1935 Ewing, H. E. Two new pre-Columbian records of the American head louse, Pediculus humanus americanus. Proc. Helminthol. Soc. Wash. 2:67-68.
- 1964 Farrell, R. K. Notes on Nanophyetus salmincola as a reservoir and vector of disease. Proc. 14th Alaskan Sci. Congr.:241.
- 1964 Fay, F. H. and Rausch R. The seasonal cycle of abundance of Echinococcus multilocularis in naturally infected Arctic foxes. Program 1st Intern. Congr. Parasitol., Rome:103.
- 1962 Fay, F. H. and Williamson, F. S. L. SHFA. XXXIX. Echinococcus multilocularis Leuckart, 1863, and other helminths of foxes on the Pribilof Islands. Can. J. Zool. 40:767-772.
- 1919-21-22-23-32-33-34-35. Ferris, G. F. Contributions toward a monograph of the sucking lice. Parts I-VIII. Stanford Univ. Press. Stanford Univ. Calif. 634 pp.
- 1922 Ferris, G. F. and Cole, F. R. A contribution to the knowledge of the Hippoboscidae. Parasitol. 14(2):178-205.

- 1939 Fish, F. F. Observations on Henneguya salmincola Ward, a myxosporidian parasite on Pacific salmon. J. Parasitol. 25:169-172.
- 1937 Freeman, A. E. and Acker, J. E. Metorchis albidus, a dog fluke new to North America. Trans. Am. Microscop. Soc. 56:113-115.
- 1962 Freeman, R. S. Studies on the biology of Taenia crassiceps (Zeder, 1800) Rudolphi, 1810 (Cestoda). Can. J. Zool. 40: 969-990.
- 1961 Freeman, R. S., Adorjan, A. and Plimplott, D. H. Cestodes of wolves, coyotes and coyote-dog hybrids in Ontario. Can. J. Zool. 39:527-532.
- 1953 Geary, J. M. A survey of invertebrate disease vectors in Alaska. Arctic Aeromed. Lab. Res. Rep. #1, 37 pp.
- 1954 Gill, G. D. A survey of invertebrate disease vectors in Alaska. Arctic Aeromedical Laboratory Report No. 2, 50 pp.
- 1959 Golvan, Y. J. Acanthocephales du genre Corynosoma Luhe, 1904 parasites de mammiferes d'Alaska et de Midway. Ann. de Parasitol. Hum. et Comp. 34:288-321.
- 1960 Gottmann, A. W. A report of 103 autopsies on Alaskan natives. Arctic Aeromed. Lab. Tech. Rep. 59-6, 21 pp.
- 1954 Gregson, J. D. The male of Ixodes signatus Birula (Acarina: Ixodidae). Can. Entomol. 86:275-277.
- 1911 Griuner, S. A. Cysticercus rangiferi in Alaska. Am. Vet. Rev. 40:362-364.
- 1922A Hadwen, S. Parasites of reindeer in northern Alaska. J. Parasitol. 9:38-39.
- 1922B Hadwen, S. Cyst-forming protozoa in reindeer and caribou. J. Am. Vet. Med. Assoc. 61:374-382.
- 1922C Hadwen, S. Reindeer in Alaska. USDA Bull. #1089.
- 1922D Hadwen, S. Nematodirus tarandi, a new species of nematode from the reindeer. J. Parasitol. 9:35.
- 1922 Hadwen, S. and Palmer, L. J. Reindeer in Alaska. USDA Bull. #1089. 74 pp.

- 1948 Hall, D. G. The blowflies of North America. Monumental Printing Company, Baltimore, Maryland. 477 pp.
- 1960 Hilliard, D. K. SHFA. XXXVIII. The taxonomic significance of the eggs and coracidia of some diphylobothrid cestodes. J. Parasitol. 46:703-716.
- 1950 Hitchcock, D. J. Parasitological study of the Eskimos in the Bethel area of Alaska. J. Parasitol. 36:232-234.
- 1951 Hitchcock, D. J. Parasitological study of the Eskimos in the Kotzebue area of Alaska. J. Parasitol. 37:309-311.
- 1960 Hopla, C. E. Epidemiology of tularemia in Alaska. Arctic Aeromed. Tech. Rept. 59-1, 42 pp.
- 1933 Jellison, W. L. Parasites of porcupines of the genus Erëthizon (Rodentia). Trans. Am. Microscop. Soc. 52(1):42-47.
- 1942 Jellison, W. L. Host distribution of lice on native American rodents north of Mexico. J. Mamm. 23:245-250.
- 1952A Jellison, W. L. Anoplura from mammals of the Pribilof Islands. J. Parasitol. 38:274-275.
- 1902 Kellogg, V. L. and Chapman, B. L. Mallophaga from birds of the Pacific Coast of North America. J. N. Y. Ent. Soc. 10:20-28, pl. 3.
- 1915 Kellogg, V. L. and Ferris, G. F. The Anoplura and Mallophaga of North American mammals. Stanford Univ. Pub.
- 1900 Kellogg, V. L. and Kuwana, S. I. Mallophaga from Alaskan birds. Proc. Acad. Nat. Sci. Philadelphia 52:151-159.
- 1954 Kenyon, K. W. and Scheffer, V. B. A population study of the Alaska fur seal herd. Special Scientific Report, Wildl. No. 12, Fish and Wildl. Serv., U.S. Dept. Interior: 1-77.
- 1960 Kenyon, K. W. and Spencer, D. L. Sea otter population and transplant studies in Alaska, 1959. U.S. Fish and Wildl. Serv. Special Scientific Report, Wildl. No. 48:iv + 29 pp.
- 1959 Klein, D. R. St. Matthew Island reindeer range study. U.S. Fish and Wildl. Serv. Spec. Sci. Rep. Wildl. No. 43.
- 1960 Klein, D. R. and Olson, S. T. Natural mortality patterns of deer in southeast Alaska. J. Wildl. Mgmt. 24(1):80-88, 1 fig.

- 1961 Laird, M. A lack of avian and mammalian haematozoa in the Antarctic and Canadian Arctic. *Can. J. Zool.* 39:209-213.
- 1955 Locker, B. The identification of Taenia tenuicollis Rudolphi, 1819, in North America. *J. Parasitol.* 41(1):51-56.
- 1960A Lubinsky, G. The variability of the number of rostellar hooks in the two species of Echinococcus from North America. *Can. J. Zool.* 38:605-612.
- 1923 McAtee, W. L. Anoplura. In a biological survey of the Pribilof Islands. *North American Fauna* 46: U.S. Dept. Agric. Bur. Biol. Sur. 254 pp.
- 1932 McIntosh, A. Some new species of trematode worms of the genus Leucochloridium Carus, parasitic in birds from northern Michigan, with a key and notes on other species of the genus. *J. Parasitol.* 19:32-53.
- 1938 McIntosh, A. Description of the adult stage of Taenia twitchelli Schwartz, 1924, from an Alaskan wolverine. *Proc. Helminthol. Soc. Wash.* 5:14-15.
- 1952 McPherson, S. E. and Tiner, J. D. A new nematode (Rictularia microti) from a vole on St. Lawrence Island, Alaska. *Nat. Hist. Misc.* 108: 7 pp.
- 1941 Magath, T. B. Hydatid disease (Echinococcus) in North America. *Penn. Med.* pp. 813-819.
- 1963 Maynard, J. E. and Kagan, I. G. Trichinosis. *The Practitioner* 191:622-629.
- 1964 Maynard, J. E. and Kagan, I. G. Intradermal test in the detection of trichinosis. Further observations on two outbreaks due to bear meat in Alaska. *New Eng. J. Med.* 270:1-7.
- 1962 Maynard, J. E. and Pauls, F. P. Trichinosis in Alaska: A review and report of two outbreaks due to bear meat with observations on serodiagnosis and skin testing. *Am. J. Hyg.* 76(3):252-261.
- 1955 Meyers, H. F. Physical observations on Echinococcus eggs, Part I. *J. Parasitol.* 41(5):1-4.
- 1957 Meyers, H. F. Physical observations on Echinococcus eggs, Part II. A simple method for the determination of viability. *J. Parasitol.* 43(3):322-323.

- 1941 Mueller, J. F. Some parasites newly recorded for the ruffed grouse, Bonasa umbellus, in the United States. Proc. Helminthol. Soc. Wash. 8:14-15.
- 1961 Neiland, K. A. Suspected role of parasites in non-rookery mortality of fur seals (Callorhinus ursinus). J. Parasitol. 47:732.
- 1962A Neiland, K. A. Alaskan species of Acanthocephalan genus Corynosoma Luehe, 1904. J. Parasitol. 48:69-75.
- 1962B Neiland, K. A. Two new species of Prosthodendrium Dollfus, 1931 (Trematoda: Lecithodendriidae) from the little brown bat in southeastern Alaska. J. Parasitol. 48:400-401.
- 1952 Olsen, O. W. Report on investigations of hookworms, Uncinaria lucasi Stiles, 1901, and hookworm disease of fur seals, Callorhinus ursinus on Pribilof Islands, Alaska from July 7 to September 2, 1951 with a supplementary report by W. L. Jellison. U.S. Dept. Int. Fish and Wildl. Serv., Wash., D.C. 98 pp. Ozalid.
- 1953 Olsen, O. W. Report on the second summer of investigations on hookworms, Uncinaria lucasi Stiles, 1901, and hookworm disease of fur seals, Callorhinus ursinus Linn., on the Pribilof Islands, Alaska from July 5 to September 14, 1952. U.S. Dept. Int. Fish and Wildl. Serv., Wash., D.C., 92 pp., Ozalid.
- 1954A Olsen, O. W. Report on the third summer of investigations on hookworms, Uncinaria lucasi Stiles, 1901, and hookworm diseases of fur seals Callorhinus ursinus Linn., on the Pribilof Islands, Alaska from May 21, to September 17, 1953. U.S. Dept. Int. Fish and Wildl. Serv., Wash., D.C., 117 pp., Ozalid.
- 1956 Olsen, O. W. Report on the fifth summer of investigations on the hookworm, Uncinaria lucasi Stiles, 1901, and hookworm disease of fur seals Callorhinus ursinus Linn. on the Pribilof Islands, Alaska, from June 9 to August 20, 1955. U.S. Dept. Int. Fish and Wildl. Serv., Wash., D.C., 81 pp., Ozalid.
- 1958 Olsen, O. W. Hookworms, Uncinaria lucasi Stiles, 1901, in fur seals, Callorhinus ursinus (Linn.) on the Pribilof Islands. Trans. 23rd N. Am. Wildl. Conf., pp. 152-175.

- 1962 Olsen, O. W. and Lyons, E. T. Life cycle of the hookworm, Uncinaria lucasi Stiles, of northern fur seals, Callorhinus ursinus, on the Pribilof Islands in the Bering Sea. J. Parasitol. 48:42-43.
- 1953 Pauls, F. P. Significant diseases in Alaska. Manuscript on file Arctic Health Research Center, Anchorage, Alaska. 26 pp.
- 1965 Peterson, B. V. Correspondence. On bat parasites. Feb. 16, 1965.
- 1937A Philip, C. B. A parasitological reconnaissance in Alaska with particular reference to varying hares. J. Parasitol. 23(6): 562-563.
- 1938 Philip, C. B. A parasitological reconnaissance in Alaska with particular reference to varying hares. II. Parasitological data. J. Parasitol. 24:483-488.
- 1932 Price, E. W. The parasites of marine mammals. Proc. U.S. Nat. Mus. 81:1-68.
- 1937 Price, E. W. A new monogenetic trematode from Alaskan salmonoid fishes. Proc. Helminthol. Soc. Wash. 4:27-29.
- 1942 Price, E. W. North American monogenetic trematodes. V. The Family Hexabothriidae, n. n. (Polystomatoidea). Proc. Helminthol. Soc. Wash. 9:39-56.
- 1951 Quay, W. B. Observations on mammals of the Seward Peninsula, Alaska. J. Mamm. 32:88-99.
- 1955 Quay, W. B. Histology and cytochemistry of skin gland areas in caribou, Rangifer. J. Mamm. 36:187-201.
- 1959 Rausch, R. A. Notes on prevalence of hydatid disease in Alaskan moose. J. Wildl. Mgmt. 23:122-123.
- 1964B Rausch, R. A. Progress in management of the Alaskan wolf populations. 15th Alaska Sci. Conf. Prog. p. 35.
- 1950B Rausch, R. L. Observations on a cyclic decline of lemmings (Lemmus) on the Arctic coast of Alaska during the spring of 1949. Arctic 3(3):166-177.
- 1951A Rausch, R. L. SHFA. VII. On some helminths from arctic marmots with the description of Catenotaenia reggia n. sp. (Cestoda: Anoplocephalidae). J. Parasitol. 37(4):415-418.

- 1951B Rausch, R. L. Notes on the Nunamiut Eskimo and mammals of the Anaktuvuk Pass Region, Brooks Range, Alaska. *Arctic* 4:146-195.
- 1951C Rausch, R. L. Biotic interrelationships of helminth parasitism in Alaska. Paper presented at the Alaskan Science Conference, Washington, D.C., Nov. 1950. *Pub. Health Rep.* 66:928-934.
- 1951D Rausch, R. L. Studien an der Helminthen fauna von Alaska. IV. Haploparaxis galli n. sp., ein Cestode aus dem Schneehuhn, Lagopus rupestris (Gmelin). *Zeitschr. Parasitenk.* 15:1-3.
- 1951F Rausch, R. The Acanthocephalan parasites of eider ducks. *Proc. Helminthol. Soc. Wash.* 18:81-84.
- 1952A Rausch, R. L. SHFA. Helminth parasites of microtine rodents - taxonomic considerations. *J. Parasitol.* 38:415-444.
- 1952B Rausch, R. L. Hydatid disease in boreal regions. *Arctic* 5:157-174.
- 1952C Rausch, R. L. A summary of current information on some animal-borne diseases in Alaska. *Proc. 3rd Alaskan Sci. Conf.*, p. 144.
- 1953A Rausch, R. L. SHFA. XIII. Disease in the sea otter with special reference to helminth parasites. *Ecology* 34:584-604.
- 1953C Rausch, R. L. Taxonomic value and variability of certain structures in the cestode genus Echinococcus (Rud., 1801) and a review of recognized species. *Thapar Comm. Vol. 1953.* Dept. Zool. Univ. of Lucknow, Lucknow, India:233-246.
- 1953D Rausch, R. L. Animal-borne diseases in Alaska and their public health significance. *Proc. 15th Intern. Vet. Cong., Stockholm, 1953*, 8:254-259. (Actual pub. date, 1954)
- 1954A Rausch, R. L. SHFA. XX. The histogenesis of the alveolar larva of Echinococcus species. *J. Inf. Dis.* 94:178-186.
- 1954B Rausch, R. L. SHFA. XXI. Taxonomy, morphology, variation and ecology of Diphyllobothrium ursi n. sp. provis. on Kodiak Island. *J. Parasitol.* 40:540-563.
- 1954C Rausch, R. L. SHFA. XXII. Paranoplocephala wigginsii n. sp. a cestode from an Arctic ground squirrel. *Trans. Am. Microscop. Soc.* 73(4):380-383.
- 1955 Rausch, R. L. Unusual pathogenicity of Diphyllobothrium sp. in a black bear. *Proc. Helminthol. Soc. Wash.* 22(2):95-97.
- 1956A Rausch, R. L. SHFA. XXX. The occurrence of Echinococcus multilocularis Leuckart, 1863, on the mainland of Alaska. *Am. J. Trop. Med. & Hyg.* 5:1086-1092.

- 1956B Rausch, R. L. SHFA. XXVIII. The description and occurrence of Diphyllobothrium dalliae n. sp. (Cestoda). Trans. Am. Microscop. Soc. 75:180-187.
- 1957A Rausch, R. L. Distribution and specificity of helminths in microtine rodents: evolutionary implications. Evolution 11:361-368.
- 1958 Rausch, R. L. Echinococcus multilocularis infection. Proc. 6th Intern. Congr. on Trop. Med. and Malaria 2:Sept., pp. 5-13.
- 1959A Rausch, R. L. SHFA. XXXV. On the identity of certain cestodes (Taeniidae) from foxes. Proc. Helminthol. Soc. Wash. 26(2): 125-131.
- 1959B Rausch, R. L. The parasites of wolves, Canis lupus L. J. Parasitol. 45(4):395-403, map.
- 1959C Rausch, R. L. SHFA. XXXVI. Parasites of the wolverine Gulo gulo L. with observations on the biology of Taenia twitchelli Schwartz, 1924. J. Parasitol. 45:465-484.
- 1960A Rausch, R. L. SHFA. XXXVII. Description of Schizorchis caballeroi n. sp. (Cestoda: Anoplocephalidae), with notes on other parasites of Ochotona. Libro Homenaje al Dr. Eduardo Caballero y C. Mexico, D. F., pp. 399-405.
- 1960B Rausch, R. L. Recent studies on hydatid disease in Alaska. Parasitologia 2(3):391-398.
- 1961A Rausch, R. L. Notes on the occurrence of Capillaria hepatica (Bancroft, 1893). Proc. Helminthol. Soc. Wash. 28(1):17-18.
- 1963A Rausch, R. L. Schizorchis yamaschitai sp. n. (Cestoda: Anoplocephalidae) from the northern pika, Ochotona hyperborea Pallas in Hokkaida. J. Parasitol. 49(3):479-482.
- 1964C Rausch, R. L. SHFA. XLI. Observations on cestodes of the genus Diplogonoporus Lönnerberg, 1892 (Diphyllobothriidae). Can. J. Zool. 42:1049-1069.
- 1964D? Rausch, R. L. Notes on the collared pika, Ochotona collaris (Nelson) in Alaska. Murrelet 42:22-24 (Reprint, not dated).
- 1956A Rausch, R. L., Babero, B., Rausch, R. V. and Schiller, E. L. SHFA. XXVII. The occurrence of larvae of Trichinella spiralis in Alaskan mammals. J. Parasitol. 42:259-271.
- 1957 Rausch, R. L. and Jentoft, V. L. SHFA. XXXI. Observations on the propagation of the larval Echinococcus multilocularis Leuckart, 1863, in vitro. J. Parasitol. 43:1-8.

- 1950 Rausch, R. L. and Kuns, M. L. Studies on some North American shrew cestodes. *J. Parasitol.* 36:433-438.
- 1951 Rausch, R. L. and Locker, B. SHFA. II. On some helminths parasitic in the sea otter, Enhydra lutris (L.). *Proc. Helminthol. Soc. Wash.* 18:77-81.
- 1963 Rausch, R. L. and Nelson, G. S. A review of the genus Echinococcus Rudolphi, 1801. *Ann. Trop. Med. & Parasitol.* 57(2):127-135.
- 1954 Rausch, R. L. and Schiller, E. L. SHFA. XXIV. Echinococcus sibiricensis n. sp., from St. Lawrence Island. *J. Parasitol.* 40(6):659-662.
- 1956B Rausch, R. L. and Schiller, E. L. SHFA. XXV. The ecology and public health significance of Echinococcus sibiricensis Rausch and Schiller, 1954, on St. Lawrence Island. *Parasitol.* 46(3&4):395-419.
- 1958 Rausch, R. L. and Williamson, F. S. L. SHFA. XXXIII. The description and occurrence of Diphyllobothrium alascense n. sp. (Cestoda). *Zeits. Tropenmed. und Parasitol.* 9:64-72.
- 1959 Rausch, R. L. and Williamson, F. S. L. SHFA. XXXIV. The parasites of wolves, Canis lupus L. *J. Parasitol.* 45(4):395-403.
- 1957 Rausch, R. L. and Yamashita, J. The occurrence of Echinococcus multilocularis Leuckart, 1863, in Japan. *Proc. Helminthol. Soc. Wash.* 24:128-133.
- 1945 Scheffer, V. B. Growth and behavior of young sea lions. *J. Mamm.* 26:390-392.
- 1951A Schiller, E. L. SHFA. I. Two new cestodes from Sabine's gull (Xema sabini). *J. Parasitol.* 37(3):266-272.
- 1951B Schiller, E. L. SHFA. VIII. Some cestode parasites of the Pacific kittiwake (Rissa tridactyla Ridgway) with the description of Haploparaxis rissae n. sp. *Proc. Helminthol. Soc. Wash.* 18(2):122-125.
- 1951C Schiller, E. L. SHFA. VI. The parasites of the emperor goose (Philacte canagica L.) with the description of Hymenolepis philactes n. sp. *J. Parasitol.* 37:217-220.
- 1952A Schiller, E. L. Facts about fish tapeworms. *Alaska's Health* 9: Feb. 4-5.

- 1952B Schiller, E. L. SHFA. III. Hymenolepis kenaiensis n. sp., a cestode from the greater scaup (Aythya marila nearctica) with remarks on endemicity. Trans. Am. Microscop. Soc. 71(2):146-149.
- 1952C Schiller, E. L. SHFA. V. Notes on Adak rats (Rattus norvegicus Berkenhout) with special reference to helminth parasites. J. Mamm. 33:38-49.
- 1952D Schiller, E. L. SHFA. IX. The cestode parasites of the white-fronted goose (Anser albifrons) with the description of Hymenolepis barrowensis n. sp. J. Parasitol 38(1):32-34.
- 1952E Schiller, E. L. SHFA. X. Morphological variation in Hymenolepis horrida (von Linstow, 1901) (Cestoda: Hymenolepidae). J. Parasitol. 38:554-569.
- 1953A Schiller, E. L. SHFA. XIV. Some cestode parasites of the Aleutian teal (Anas crecca L.) with the description of Diorchis longiovum n. sp. Proc. Helminthol. Soc. Wash. 20(1):7-12.
- 1953B Schiller, E. L. SHFA. XV. Some notes on the cystercercus of Taenia polyacantha Leuckart, 1856, from a vole (Microtus oeconomus operarius Nelson). J. Parasitol. 39(3):344-346.
- 1954B Schiller, E. L. SHFA. XVIII. Cestode parasites in young anseriformes on the Yukon delta nesting grounds. Trans. Am. Microscop. Soc. 73(1):194-201.
- 1955A Schiller, E. L. Studies on the helminth fauna of Alaska. XXII. Some cestode parasites of eider ducks. J. Parasitol. 41:79-88.
- 1955B Schiller, E. L. SHFA. XXVI. Some observations on the cold-resistance of eggs of Echinococcus sibiricensis Rausch and Schiller, 1954. J. Parasitol. 41(6):578-582.
- 1955C Schiller, E. L. Some cestode parasites of the oldsquaw, Clangula hyemalis (L.). Proc. Helminthol. Soc. Wash. 22:41.
- 1956A Schiller, E. L. SHFA. XXIX. Urinatrema aspinosum n. sp. (Trematoda: Zoogonidae from the urinary bladder of the greenling, Hexagrammos superciliosus (Pallas). J. Parasitol. 42:531-532.
- 1956B Schiller, E. L. Ecology and health of Rattus at Nome, Alaska. J. Mamm. 37:181-188.

- 1957 Schiller, E. L. SHFA. XXXII. Hymenolepis echinorostrae n. sp. a cestode from the lesser scaup, Aythya affinis (Eyton). J. Parasitol. 43:233-235.
- 1954 Schiller, E. L., McIntyre, J. C. and Shirbroun, R. E. Preliminary observations on an experimental treatment for demodectic mange in dogs. J. Parasitol. 40:704-706.
- 1950 Schiller, E. L. and Rausch, R. A vole (Microtus) an important natural intermediate host of Echinococcus granulosus. J. Parasitol. 36(6):Sec. 2, p. 30.
- 1956 Schiller, E. L. and Rausch, R. Mammals of the Katmai National Monument, Alaska. Arctic 9(3):191-201.
- 1924 Schwartz, B. A new proliferating larval tapeworm from a porcupine. Proc. U.S. Nat. Mus. 66(24):1-4.
- 1924 Shannon, R. C. and Dobroscky, I. D. The North American bird parasites of the genus Protocalliphora (Calliphoridae: Diptera). J. Wash. Acad. Sci. 14:247-253.
- 1948 Stunkard, H. W. Pseudophyllidian cestodes from Alaskan pinnipeds. J. Parasitol. 34:211-228., with 4 plates.
- 1952 Sweatman, G. K. Distribution and incidence of Echinococcus granulosus in man and other animals with special reference to Canada. Can. J. Pub. Health 43:480-486.
- 1956A Thomas, L. J. and Babero, B. B. Some helminths of mammals from St. Lawrence Island, Alaska, with a discussion of the nomenclature of Echinococcus in voles. J. Parasitol. 42:500.
- 1956B Thomas, L. J. and Babero, B. B. Observations on the infectivity of Echinococcus eggs obtained from foxes (Alopex lagopus L.) on St. Lawrence Island, Alaska. J. Parasitol. 42:659.
- 1951A Tiner, J. D. Dispharynx soricis n. sp. (Nematoda: Acuariidae) from the shrew, Sorex obscurus alascensis, and associated host pathology. Proc. Helminthol. Soc. Wash. 18:64-70.
- 1951B Tiner, J. D. The morphology of Ascaris laevis Leidy, 1856, and notes on the Ascarids in rodents. Proc. Helminthol. Soc. Wash. 18:126-131.
- 1950 Tiner, J. D. and Rausch, R. Two new Syphacia (Nematoda: Oxyuridae) and observations on the inner circle circumoral papillae in North American species of the genus. Nat. Hist. Misc. No. 57:1-6.

- 1960 Tulloch, G. S. Incidence of animal parasites in the residents of east Yukon Flats, Alaska. Arctic Aeromed. Lab. Tech. Rep. 57-19, 38 pp.
- 1953A Van Cleave, H. J. A preliminary analysis of the Acanthocephalan genus Corynosoma in mammals of North America. J. Parasitol. 39:1-13.
- 1950 Van Cleave, H. J. and Rausch, R. A new species of the Acanthocephalan genus Arhythmorhynchus from sandpipers of Alaska. J. Parasitol. 36:278-283.
- 1951 Van Cleave, H. J. and Rausch, R. The Acanthocephalan parasites of eider ducks. Proc. Helminthol. Soc. Wash. 18(1):81-84.
- 1951 Van Cleave, H. J. and Williams, R. B. Acanthocephala from passerine birds in Alaska. J. Parasitol. 37:151-159.
- 1955 Voge, M. and Rausch, R. Occurrence and distribution of Hymenolepid cestodes in shrews. J. Parasitol. 41:566-573.
- 1956 Voge, M. and Rausch, R. Observations on Shipleya inermis Fuhrmann, 1908 (Cestoda: Acoleidae). J. Parasitol. 42:547-551.
- 1953 Walters, V. Diocus frigidus (Copepoda: Chondracanthidae) parasitic in eel pouts at Pt. Barrow, Alaska, with notes on the species of Diocus and a revision of the diagnosis of Pharodes. J. Parasitol. 39:169-177.
- 1934 Ward, H. B. and Fillingham, J. A new trematode in a toadfish from southeastern Alaska. Proc. Helminthol. Soc. Wash. 1:25-31.
- 1950 Weber, N. A. A survey of the insects and related arthropods of arctic Alaska. Part I. Trans. Am. Ent. Soc. 76:147-206.
- 1949 Webster, J. D. Records of Ophryocotyle (Cestoda: Davaineidae) from shore birds. Trans. Am. Microscop. Soc. 68:104-106.
- 1959 West, J. T. Malignant Echinococcus disease of the liver. Alaska Med. Dec. 1959, pp. 107-113.
- 1963 West, J. R., Hillman, F. J. and Rausch, R. Alveolar hydatid disease of the liver: rationale and technics of surgical treatment. Ann. Surg. 157(4):548-559.
- 1946A Williams, R. B. Bears and trichinosis. Alaska's Health 4(7): 2 pp.
- 1958 Williams, R. B. and Babero, B. B. Onchocerca in an Alaskan moose. J. Mamm. 39:449-450.