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Parasites of California Marine and Estuarine Fish

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PARASITES OF CALIFORNIA MARINE
AND ESTUARINE FISH

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INTRODUCTION

"For fools rush in where angels fear to tread"

-An Essay on Criticism

Alexander Pope, 1711

While working on the parasites of several California marine fish, it was difficult to find out which parasites had been reported from our fish. Pertinent sources were scattered over a number of journals, covering many years. We compiled this list because we felt there was a need for a single source which would give all the parasites infecting California marine fish. As "marine fish" was a somewhat vague term, we decided to use it in a broad sense and included estuarine and anadromous fish in the survey. In addition, we have included records from landlocked populations of anadromous fish, such as Salmo gairdneri, the rainbow trout and S. clarki, the cutthroat trout. We also have cited out of state parasite records for California fish. This has greatly increased the number of records but has added to the value of this work.

This is a first draft of what we hope will be a more widely disseminated work. We invite comments and criticism and hope that workers will submit new records, either from unpublished or overlooked published material.

Several aspects of this work should be mentioned here.

Scientific and common names of hosts - Generally we have followed the names given in D.J. Miller and R.N. Lea. 1972. Guide to the coastal marine fishes of California. Calif. Fish Game, Fish Bulletin 157.

Taxonomic and systematic problems - A criticism of this type of work is that there are always numerous taxonomic errors. We feel that the value of this list outweighs the errors that are unquestionably present. The taxonomic status of various parasites is under debate in numerous cases. In listing these parasites we have, out of necessity, chosen one side of the argument over others. We make no pretense of being experts in the field of systematics and taxonomy. Many of the choices we made were based on discussions with individuals more qualified than ourselves. However, no matter what choices we made, there will be those who disagree. We are always open to suggestions on changes and we hope they will be forthcoming.

Errors - Several types of errors exist in this work. Typographical errors undoubtedly exist, despite our efforts to weed them out. As we

have caught several errors in the process of copying data from original sources, it seems likely that other ones were not caught. We hope these will be rectified with time, as those using this work discover and report them.

Unpublished data and personal communications - We have included both unpublished data (as from theses) and personal communications for the sake of completeness. We recognize that many individuals think this is not a good practice, suggesting that the possibility of errors in these circumstances is higher than in published works. It is our feeling that workers using this list should check the citation given for each entry and use their own discretion as to which citation to accept or reject.

Format - An example of how we have set up each citation is shown below:

Squalus acanthias¹ Spiny Dogfish

CESTODA²

LACISTORHYNCHIDAE³

Lacistorhynchus tenuis (Van Beneden, 1858) Dollfus, 1929.⁴ France.⁵
Joyeux and Baer (1936);⁶ Massachusetts.⁷ Spiral valves.⁸ Linton
(1924) as Rhynchobothrium bulbifer.⁹

1. Squalus acanthias - Host
2. CESTODA - We have generally used either classes or subclasses for the initial heading. We have tried to use headings which are commonly used and familiar to most workers.
3. LACISTORHYNCHIDAE - If possible, families were used below classes or subclasses. Occasionally this was not given in the original paper, and other taxonomic levels were used. Due to time factors, we did not alphabetize families, genera or species.
4. Lacistorhynchus tenuis (Van Beneden, 1858) Dollfus, 1929. - If it has been given in the original paper, both genus and species are given, along with the original describer(s) and redescrider(s).
5. France - If available, the geographic location of the host is given. In general, we were very specific for California records and less so for records outside the state.
6. Joyeux and Baer (1936) - This is the citation and will be found in the Literature Cited section.

7. Massachusetts - If the parasite has been found from the same host in other geographic locations, we have often given multiple listings. We did not, as a rule, list every citation.
8. Spiral valves - We listed site of infection within the host, if this was noted. In this instance, the initial citation (Joyeux and Baer, 1936) did not mention site of infection.
9. Rhynchobothrium bulbifer - If the source listed used a name that has been discarded, we have listed that name for ease of reference.

A large number of people have given us information and assistance. We would like to thank them all: Gary D. Alderson, Robert Baker, Armand Kuris, and Elmer R. Noble, Department of Biology, University of California, Santa Barbara; Eugene M. Burreson, Normandeau Associates, Inc., Bedford, New Hampshire; Murray D. Dailey, Ju-shey Ho and Donald Schultze, Department of Biology, Long Beach State University, Long Beach, California; Fred G. Hochberg, Santa Barbara, California; John C. Holmes, University of Alberta, Edmonton, Alberta, Canada; Carl Hubbs, Scripps Institute of Oceanography, La Jolla, California; Lauritz A. Jensen, Los Angeles, California; Z. Kabata, Leo Margolis and Thomas McDonald, Pacific Biological Station, Nanaimo, British Columbia, Canada; Walter E. Martin, University of Southern California, Los Angeles, California; F.M. Nahhas, University of the Pacific, Stockton, California; Andrew C. Olson Jr., Department of Biology, San Diego State University, San Diego, California; Robert J. Profant, Santa Barbara City College, Santa Barbara, California; Timothy P. Yoshino, Lehigh University, Bethlehem, Pennsylvania.

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Last, but assuredly not least, we would like to acknowledge the contribution of Hisao Arai, Department of Biology, University of Calgary, Calgary, Alberta, Canada. His quotation, cited at the beginning of this section, has been a continuing source of inspiration to us.

TABLE OF CONTENTS

INTRODUCTION	1-4
HOST-PARASITE LIST	5-359
ADDENDUM	360-368
PARASITE-HOST LIST	369-453
LITERATURE CITED	454-517

TABLE OF CONTENTS

INTRODUCTION	1-4
HOST-PARASITE LIST	5-359
ADDENDUM	360-368
PARASITE-HOST LIST	369-453
LITERATURE CITED	454-517

HOST - PARASITE LIST

GOBIIDAE - Acanthogobius flavimanus Yellowfin Goby

COPEPODA

ERGASILIDAE

Ergasilus orientalis Yamaguti, 1939. Japan. Gills. Yamaguti (1939a).

CALIGIDAE

Caligus punctatus Shiino, 1955. Japan. Exteriors. Shiino (1955b).

CHONDRACANTHIDAE

Acanthochondria yui Shiino, 1964. Japan. Operculums, gill arches, roof of buccal cavities. Shiino (1964).

DIGenea

BUCEPHALIDAE

Prosorhynchus uniporus Ozaki, 1924. Metacercaria. Japan. Encysts in fins. Yamaguti (1971).

FELLODISTOMIDAE

Tergestia acanthogobii Yamaguti, 1938. Japan. Intestines. Yamaguti (1938a).

ZOOGONIDAE

Zoogonoides acanthogobii Yamaguti, 1938. Japan. Intestines. Yamaguti (1938a).

HEMIURIDAE

Lecithaster stellatus Looss, 1907. Japan. Intestines. Yamaguti (1940).

OPECOELIDAE

Ozakia orthorchis (Ozaki, 1926) Wisniewski, 1934. Japan. Intestines, gall bladders. Yamaguti (1938a) as Coitocaecum orthorchis.

CRYPTOGONIMIDAE

Cryptogonimus sp. Metacercaria. Japan. Encysted in fins. Yamaguti (1938a).

HETEROPHYIDAE

Procerovum varium Onji and Nishio, 1916. Metacercaria. Pearson (1964).

Metagonimus yokogawai (Katsurada, 1912) Katsurada, 1913. Metacercaria. Japan. Komiya and Suzuki (1966).

Centrocestus asadai Mishima, 1959. Metacercaria. Japan. Komiya and Suzuki (1966).

Heterophyes nocens Onji and Nishio, 1916. Metacercaria. Japan. Komiya and Suzuki (1966).

Acanthogobius flavimanus (continued)

Stellantchasmus falcatus Onji and Nishio, 1915. Metacercaria.
Japan. Komiya and Suzuki (1966).

Pygidiopsis summa Onji and Nishio, 1916. Metacercaria. Japan.
Komiya and Suzuki (1966).

Stictodora perpendicula (Onji and Nishio, 1916) Yamaguti, 1958.
Metacercaria. Japan. Komiya and Suzuki (1966).

Stictodora fuscata (Onji and Nishio, 1916). Metacercaria. Japan.
Komiya and Suzuki (1966).

Pseudogalactosoma macrostoma Yamaguti, 1942. Metacercaria. Japan.
Komiya and Suzuki (1966).

MONOGENEA

MICROCOTYLIDAE

Aspinatrium acanthogobii (Yamaguti, 1940) Yamaguti, 1963. Japan.
Gills. Yamaguti (1940) as Microcotyle a.

PROTOZOA (CILIOPHORA)

URCEOLARIIDAE

Trichodina sp. Japan. Gills. Noble (1975).

PROTOZOA (MYXOSPORIDA)

MYXOBOLIDAE

Myxobolus acanthogobii Hoshina, 1952. Japan. Eyes, brains,
spinal nerves. Hoshina (1952).

Henneguya tridentigeri Ozaki and Ishizaki, 1941. Japan. Gills.
Hoshina (1952).

TRIGONOSPORIDAE

Trigonosporus acanthogobii Hoshina, 1952. Japan. Gills. Hoshina
(1952).

CERATOMYXIDAE

Ceratomyxa sp. Japan. Gallbladders. Noble (1975).

MYXIDIIDAE

Myxidium sp. Japan. Gallbladders. Noble (1975).

ACIPENSERIDAE - Acipenser medirostris Green Sturgeon

CESTODA

AMPHILINIDAE

Amphilina japonica Goto and Ishii, 1936. Amur Basin, USSR. Body
cavities. Dubinina (1971).

MONOGENEA

CAPSALIDAE

Nitzchia quadritestes Pratt and Herrmann, 1962. Columbia River, USA.
Tip of gill filaments, anterior parts of mouths. Pratt and Herrmann
(1962).

Acipenser medirostris, continued

DICLYBOTHRIIDAE

Paradiclybothrium pacificum Bykhovsky and Gussev, 1950. Tartar Strait, USSR. Gills. Bykhovsky and Gussev (1950).

ACIPENSERIDAE - Acipenser transmontanus White Sturgeon

CESTODA

AMPHILINIDAE

Amphilina bipunctata Riser, 1948. Fraser River, British Columbia. Body cavities. Margolis (1952).

COPEPODA

CALIGIDAE

Lepeophtheirus salmonis (Krøyer, 1838). British Columbia. Kabata (1973).

DIGenea

DEROPROSTIIDAE

Cestrahelmin rivularis Becker, 1971. Columbia River, USA. Intestines. Becker (1971).

HEMIURIDAE

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Washington. Stomachs. Becker (1970b).

MONOGENEA

CAPSALIDAE

Nitzschia quadritestes Pratt and Herrmann, 1962. Columbia River, USA. Tips of gill filaments, anterior parts of mouths. Pratt and Herrmann (1962).

NEMATODA

CYSTOOPSIDAE

Cystoopsis acipenseri Wagner, 1867. Oregon. Cutaneous vesicles. Yamaguti (1961).

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Many places in body. Margolis (1952).

AGONIDAE - Agonopsis emmelane Northern Spearnose

SYNONYM - Agonopsis averuncus

DIGENEA

OPECOELIDAE

Podocotyle gibbonsiae Johnson, 1949. Puget Sound, Washington.
Intestines. Aldrich (1960).
Podocotyle blennicotusi Park, 1937. Puget Sound, Washington.
Intestines. Aldrich (1960) as P. pacifica.

See Addendum

AGONIDAE - Agonus acipenserinus Sturgeon Poacher

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. British Columbia.
Intestines. Arai (1969b).

CESTODA

PHYLLOBOTHRIIDAE

Phyllobothrium sp. Larva. British Columbia. Intestines.
Arai (1969b).

COPEPODA

LERNAEOCERIDAE

Haemobaphes sp. Immature. British Columbia. Kabata (1967b);
British Columbia. Gills. Arai (1969b).

DIGENEA

OPECOELIDAE

Podocotyle reflexa (Creplin, 1825) Odhner, 1905. Puget Sound,
Washington. Intestines. Aldrich (1960).
Podocotyle sp. Immature. British Columbia. Intestines. Arai
(1969b).

NEMATODA

ANISAKIDAE

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Larva.
British Columbia. Intestines. Arai (1969b) as Contracaecum a.

ALBULIDAE - Albula vulpes Bonefish

ACANTHOCEPHALA

RHADINORHYNCHIDAE

Illiosentis africanus Golvan, 1956. West Africa. Golvan (1956)
as I. furcatus africanus.

DIGENEA

BOTULISACCIDAE

Botulisaccus pisceus Caballero, Bravo-Hollis, and Grocott, 1955. Panama
(Pacific Coast). Intestines. Caballero, Bravo-Hollis, and
Grocott (1955); Florida. Overstreet (1969).

MONORCHIIDAE

Lasiotocus albulae Overstreet, 1969. Florida. Intestines.
Overstreet (1969).

Lasiotocus oculatus (Manter and Pritchard, 1961) Yamaguti, 1970.
Hawaii. Intestines. Yamaguti (1970); Hawaii. Intestines.
Manter and Pritchard (1961) as Genolopa oculata.

ZOOGONIDAE

Diphtherostomum albulae Overstreet, 1969. Florida. Overstreet (1969).

CRYPTOGONIMIDAE

Claribulla longula Overstreet, 1969. Florida. Intestines. Overstreet
(1969).

HEMIURIDAE

Gonocercella trachinoti (MacCallum, 1913) Yamaguti, 1954. Florida
Stomach, upper intestines. Overstreet (1969).

Lecithochirum albulae Yamaguti, 1970. Hawaii. Stomachs. Yamaguti
(1970).

ALBULATREMATIDAE

Albulatrema ovale Yamaguti, 1965. Hawaii. Swim bladders. Yamaguti
(1965a).

MONOGENEA

PTERINOTREMATIDAE

Pseudopterinotrema albulae Yamaguti, 1966. Hawaii. Gills. Yamaguti
(1966).

Pterinotrema macrostomum Caballero, Bravo-Hollis and Grocott, 1954.
Panama. Gills. Caballero, Bravo-Hollis, Grocott (1954).

Pterinotrema mirabilis Bykhovsky and Nagibina, 1959. South China
Sea. Gills. Bykhovsky and Nagabina (1959).

NEMATODA

SPIRUROIDAE

Spinitectus beaveri Overstreet, 1970. Florida. Mucosa of stomachs.
Overstreet (1970).

ALEPISAURIDAE - Alepisaurus ferox Longnose Lancetfish

CESTODA

PHYLLOBOTHRIDAE

Phyllobothrium caudatum (Zschokke and Heitz, 1914). Larva. Carmel, California. Riser (1956); Medeira. Yamaguti (1959b).

TENTACULARIIDAE

Tentacularia coryphaenae Bosc, 1802. Larva. Carmel, California. Musculature. Riser (1956).

DIGenea

BOTULIDAE

Botulus alepidosauri Guiart, 1938. Mediterranean. Stomachs. Guiart (1938a).

ALOPIIDAE - Alopias sp. Thresher Shark

COPEPODA

PANDARIDAE

Nesippus alatus Wilson, 1907. Massachusetts. Throats. Wilson (1932).

ALOPIIDAE - Alopias superciliosus Bigeye Thresher

CESTODA

LITOBOTHRIDAE

Litobothrium alopias Dailey, 1969. Newport Beach, California. Spiral valves. Dailey (1969b).

Litobothrium conformis Dailey, 1969. Newport Beach, California. Spiral valves. Dailey (1969b).

SPHYRIOCEPHALIDAE

Sphyriocephalus viridis Wagener, 1854. Bolsa Chica State Beach, California. Heinz and Dailey (1974).

Sphyriocephalus pelorosoma Heinz and Dailey, 1974. Bolsa Chica State Beach, California. Stomachs. Heinz and Dailey (1974).

COPEPODA

PANDARIDAE

Dinemoura discrepans Cressey, 1967. Madagascar. Pacific Ocean. Body surfaces. Cressey (1967c).

Pagina tunica Cressey, 1964. Madagascar. Cressey (1967(695)); Indian Ocean. Cressey (1967a).

Alopias superciliosus, continued

EUDACTYLINIDAE

Bariaka alopiaae Cressey 1966. Indian Ocean. Gill filaments.
Cressey (1967a).

See Addendum

ALOPIDAE - Alopias vulpinus Common Thresher

SYNONYMS - Vulpecula marina, Alopecias vulpes, Alopes vulpinus, Alopias vulpes.

CESTODA

PHYLLOBOTHRIIDAE

Anthobothrium exiquum Yamaguti, 1935. Japan. Spiral valves.

Yamaguti (1934b) as A. parvum.

Marsupiobothrium alopias Yamaguti, 1952. Pacific coast of Japan.
Interiors. Yamaguti (1952).

Crossobothrium angustum (Linton, 1889) Linton, 1901. Chile.

Carvajal (1974); France. Euzet (1956); Pacific coast of Japan.

Yamaguti (1952) as Phyllobothrium filiferum.

Pithophorus vulpeculae Yamaguti, 1952. Japan. Yamaguti (1952).

ONCOBOTHRIIDAE

Phoreiobothrium lasium Linton, 1889. Woods Hole, Massachusetts.
Yamaguti (1959b).

Acanthobothrium coronatum (Rudolphi, 1819) Van Beneden, 1849.
South Atlantic. Digestive tracts. Parukhin (1968).

HEPATOXYLIDAE

Hepatoxylon squali Bosc, 1811. Catalina Channel, California.

Heinz and Dailey (1974). [= H. trichiuri - Dollfus (1942)]

SPHYRIOCEPHALIDAE

Sphyriocephalus tergestinus Pintner, 1913. France. Joyeux and
Baer (1936).

GYMNORHYNCHIDAE

Molicola uncinatum (Linton, 1924) Catalina Channel, California.

Heinz and Dailey (1974).

LACISTORHYNCHIDAE

Lacistorhynchus tenuis (Van Beneden, 1858) Dollfus, 1929. Larva.

Massachusetts. Spiral intestines. Linton (1924) as Rhyncho-
bothrium bulbifer.

Alopias vulpinus, continued

COPEPODA

CALIGIDAE

Caligus elongatus Nordmann, 1832. Brighton, England. Leigh-Sharpe (1936) as C. rabidus.

PANDARIDAE

Dinemoura producta (Müller, 1785) Latreille, 1829. Faroe Islands. Exteriors. Yamaguti (1963a); Africa. Barnard (1955).

Dinemoura latifolia Steenstrup and Lütken, 1861. Italy. Hewitt (1967).

Dinemoura discrepans Cressey, 1967. Indian Ocean. Body surfaces. Cressey (1967c).

Echthrogaleus denticulatus Smith, 1874. Indian Ocean. Body surfaces. Cressey (1967c).

Pandarus cranchii Leach, 1819. Indian Ocean. Body surfaces. Cressey (1967a).

Pandarus smithii Rathbun, 1886. Indian Ocean. Body surfaces. Cressey (1967a).

Perissopus oblongatus (Wilson, 1908) Cressey, 1967. Southern California. Exteriors. Wilson (1921) as Achthenius dentatus.

Gangliopus pyriformis Gerstaecker, 1854. Indian Ocean. Gill filaments. Cressey (1967a).

EUDACTYLIDAE

Nemesis robusta (Van Beneden, 1851) Brian, 1906. England. Leigh-Sharpe (1936); Massachusetts. Gills. Wilson (1932); New Zealand. Hewitt (1969c).

Nemesis aggregatus Cressey, 1967. Indian Ocean. Gill filaments. Cressey (1967a).

Nemesis atlantica Wilson, 1922. Woods Hole, Massachusetts. Gills. Wilson (1924).

Nemesis mediterranea Heller, 1865. Yamaguti (1963a).

Nemesis pallida Wilson, 1932. Massachusetts. Gills. Wilson (1932).

CLUPEIDAE - Alosa sapidissima American Shad

CESTODA

TETRAPHYLLIDEA

Red pigmented pleurocercooids. Southern California. Intestines, pyloric caeca. Kunnenkeri (1962).

COPEPODA

CALIGIDAE

Caligus elongatus Nordmann, 1832. New England. External surfaces. Wilson (1905b) as C. rapax.

Alosa sapidissima, continued

ARGULIDAE

Argulus canadensis Wilson, 1916. Connecticut River, Connecticut.
Operculums. Davis (1956).

MONOGENEA

CLINOSTOMIDAE

Clinostomum marginatum (Rudolphi, 1819) Braun, 1899. Metacercaria.
Maryland. Throughout bodies. Hollis and Coker (1948).

See Addendum

AMMODYTIDAE - Ammodytes hexapterus Pacific Sandlance

SYNONYMS - Ammodytes tobianus personatus, Ammodytes personatus.

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. British Columbia.
Intestines. Arai (1969b).

CESTODA

PHYLLOBOTHRIDAE

Phyllobothrium sp. Larva. British Columbia. Intestines. Arai
(1969b).

COPEPODA

CALIGIDAE

Lepeophtheirus salmonis (Krøyer, 1838). British Columbia. Kabata
(1973).

Lepeophtheirus sp. British Columbia. Body surfaces. Arai (1969b).

LERNAEOCERIDAE

Haemobaphes sp. British Columbia. Kabata (1967b).

DIGENEA

HETEROPHYIDAE

Galactosomum sp. Larva. British Columbia. Gills (encysted).
Arai (1969b).

HEMIURIDAE

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia.
Intestines. Arai (1969b); Japan. Yamaguti (1951)(1085) as
L. salmonis.

Ammodytes hexapterus, continued

MONOGENEA

GYRODACTYLOIDEA

British Columbia. Gills. Arai (1969b).

GYRODACTYLIDAE

Gyrodactylus ammodyti Zhukov, 1960. Bering Sea. Gills. Zhukov (1960b).

Gyrodactylus harengi Malmberg, 1956. Bering Sea. Gills. Zhukov (1960b)

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Body cavities. Arai (1969b).

Contracaecum sp. Larva. British Columbia. Mesenteries, livers, stomach walls. Margolis (1952).

EMBIOTOCIDAE - Amphistichus argenteus Barred Surfperch

COPEPODA

PHILICHTHYIDAE

Colobomatus embiotocae Noble, Collard and Wilkes, 1969. Point Conception, Gaviota, Malibu, California. Under skin of cheek ridges, around eyes, in cephalic sensory canal systems. Noble, Collard and Wilkes (1969).

DIGENEA

OPECOELIDAE

Genitocotyle acirra Park, 1937. California. Arai (1967); Tomales, Bodega Bays, California. Rodella and Nahhas (1969) as G. acirrata. Pseudopecoelus umbrinae Manter and Van Cleave, 1951. California. Arai (1967).

Helicometrina elongata Noble and Park, 1937. La Jolla, California. Intestines. Montgomery (1957).

Helicometrina nimia Linton, 1910. Intestines. Arai (1962).

DIPLANGIDAE

Diplangus triradiatus Manter and Van Cleave, 1951. California. Arai (1967).

MONORCHIIDAE

Lasiotocus sp. California. Arai (1967).

Monorchis sp. California. Arai (1967).

Telolecithus pugetensis Lloyd and Guberlet, 1932. Tomales, Bodega Bays, California. Rodella and Nahhas (1969).

Amphistichus argenteus, continued

MONOGENEA

CAPSALIDAE

Encotyllabe embiotocae, Noble, 1966. Santa Barbara, California.
Tongues. Noble (1966b).

EMBIOTOCIDAE - Amphistichus koelzi Calico Surfperch

SYNONYM - Crossochir koelzi

COPEPODA

PHILICHTHYIDAE

Colobomatus embiotocae Noble, Collard and Wilkes, 1969. Gaviota,
California. Under the skin covering cheek ridge; around eyes,
in cephalic sensory canal systems. Noble, Collard and Wilkes
(1969).

DIGENEA

OPECOELIDAE

Podocotyle californica Park, 1937. Dillon Beach, California.
Intestines. Gale (1947).
Genitocotyle acirra Park, 1937. California. Stomachs, intestines.
Johnson (1949b) as G. acirrus.

EMBIOTOCIDAE - Amphistichus rhodoterus Redtail Surfperch

DIGENEA

OPECOELIDAE

Genitocotyle acirra Park, 1937. Dillon Beach, California. Stomachs,
intestines. Park (1937a) as G. acirrus.

ANARHICHADIDAE - Anarrhichthys ocellatus Wolf-eel

MONOGENEA

GYRODACTYLIDAE

Gyrodactylus corti Mizelle and Kritsky, 1967. Steinhart Aquarium,
San Francisco. On skins. Mizelle and Kritsky (1967d).

POMADASYIDAE - Anisotremus davidsoni Sargo

DIGenea

MONORCHIDAE

Lasiotocus longicaecum (Manter, 1940) Yamaguti, 1954. La Jolla, California. Intestines. Manter and Van Cleave (1951) as Proctotrema 1.; Panama. Bravo-Hollis (1956).

HEMIURIDAE

Brachadena pyriformis Linton, 1910. La Jolla, California. Stomachs. Manter and Van Cleave (1951).

STICHAEIDAE - Anoplarchus purpurescens High Cockscomb

DIGenea

HEMIURIDAE

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Oregon. Stomachs. McCauley (1960).

OPECOELIDAE

Podocotyle californica Park, 1937. Dillon Beach, California. Intestines, caeca. Edmiston (1971).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Body cavities. Arai (1969b).
Contracaecum sp. Larva. British Columbia. Body cavities. Arai (1969b).
Terranova sp. Larva. British Columbia. Body cavities. Arai (1969b) as Porrocaecum sp.

SPIRURIDAE

Ascarophis sebatodis Olsen, 1952. British Columbia. Intestines. Arai (1969b).

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Zschokkella sp. Puget Sound, Washington. Gallbladders. Kuris (1975).

ANOPLOPOMATIDAE - Anoplopoma fimbria Sablefish

ACANTHOCEPHALA

POLYMORPHIDAE

Corynosoma sp. Larva. Northeast Pacific. Kovalenko (1970).

Anoplopoma fimbria, continued

CESTODA

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Northeast Pacific. Kovalenko (1970).

TETRAPHYLLIDEA

Scolex sp. Northeast Pacific. Kovalenko (1970).

TRYPANORHYNCHA

Gen. and sp. Larva. Northeast Pacific. Kovalenko (1970).

COPEPODA

CALIGIDAE

Lepeophtheirus parviventris Wilson, 1905. British Columbia. Pacific Coast of United States. Kabata (1973).

NAOBRANCHIIDAE

Naobranchia occidentalis Wilson, 1915. San Diego Trough, and Santa Monica Bay, California. Gills. Moser (1975).

DIGenea

OPECOELIDAE

Pseudopecoelus vulgaris (Manter, 1934) Von Wicklen, 1946. Monterey Bay, California. Intestines. Chapa (1969).

ACANTHOCOLPIDAE

Stephanostomum californicum Manter and Van Cleave, 1951. Northeast Pacific. Kovalenko (1970).

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Myxidium sp. Noble and Collard (1970).

SPHAEROSPORIDAE

Davisia anoplopoma Moser and Noble, 1975. Southern and central California. Urinary bladders, kidney tubules. Moser and Noble (1975).

NEMATODA

ANISAKIDAE

Terranova sp. Larva. British Columbia. Cysts in musculature. Margolis (1952) as Porrocaecum sp.

Anisakis sp. Larva. British Columbia. Many places in body. Margolis (1952).

Contracecum sp. Larva. Northeast Pacific. Kovalenko (1970).

-SEE ADDENDUM

GADIDAE - Antimora microlepis Finescale Codling

SYNONYM - Antimora rostrata

COPEPODA

SPHYRIIDAE

Sphyrion lumpi (Krøyer, 1845) Bassett-Smith, 1899. Exteriors.
Mann (1970).

DIGENEA

LEPOCREADIIDAE

Lepidapedon antimorae McCauley, 1968. Oregon. Intestines.
McCauley (1968).

MONOGENEA

DICLIDOPHORIDAE

Choriocotyle oregonensis McCauley and Smoker, 1969. Oregon. Gills.
McCauley and Smoker (1969).

PHOLIDAE - Apodichthys flavidus Penpoint Gunnel

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808. British
Columbia. Margolis (1952).

COPEPODA

CHONDRACANTHIDAE

Chondracanthus pusillus Kabata, 1968. British Columbia. Gill
cavities. Kabata (1968).

DIGENEA

OPECOELIDAE

Podocotyle apodichthysi Park, 1937. California. Intestines.
Park (1937b).

Pseudopecoelus sp. ? California. Intestines. Johnson (1949)
as Cymbephallus sp.

NEMATODA

ANISAKIDAE

Contraecum magnum Smedley, 1934. British Columbia. Smedley (1934).
Anisakis sp. Larva. British Columbia. Body cavities. Arai (1969b).

TRICHURIDAE

Capillaria sp. British Columbia. Stomachs. Arai (1969b).

Apodichthys flavidus, continued

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Ceratomyxa furcata Fujita, 1923. California. Gallbladders. Jameson (1931).

SCYLIORHINIDAE - Apristurus brunneus Brown Cat Shark

NEMATODA

ANISAKIDAE

Acanthocheilus quadridentatus Molin, 1858. Pacific, off Humboldt Bay, California. Free in coelomic cavities, encysted in stomach walls. Pappas (1968).

PROTOZOA (MYXOSPORIDA)

Southern California. Gallbladders. Noble (1966a).

ZOARCIDAE - Aprodon cortezianus Bigfin Eelpout

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. British Columbia. Intestines. Arai (1969b).

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808. British Columbia. Intestines. Arai (1969b).

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. British Columbia. Intestines. Arai (1969b).

PHYLLOBOTHRIIDAE

Phyllobothrium sp. Larva. British Columbia. Intestines. Arai (1969b).

DIGENEA

HEMIURIDAE

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia. Intestines. Arai (1969b).

Aprodon cortezianus, continued

Parahemiuris merus (Linton, 1910) Woolcock, 1935. British Columbia. Intestines. Arai (1969b).

OPECOELIDAE

Podocotyle sp. Immature. British Columbia. Intestines. Arai (1969b).

NEMATODA

TRICHURIDAE

Capillaria sp. British Columbia. Stomachs. Arai (1969b).

ANISAKIDAE

Contracaecum sp. Larva. British Columbia. Body cavities. Arai (1969b).

STERNOPTYCHIDAE - Argyropelechus pacificus Pacific Hatcherfish

ACANTHOCEPHALA

Gen. and sp. Larva. Catalina Basin, California. Intestines. Collard (1968).

DIGenea

DIDYMOZOIDAE

Larval didymozoids. Catalina Basin, California. Gills. Collard (1968) as Monilicaecum sp.

COTTIDAE - Artedius fenestralis Padded Sculpin

DIGenea

HEMIURIDAE

Genolinea laticauda Manter, 1925. British Columbia. Stomachs. Arai (1969b).

PROTOZOA (CILIOPHORA)

URCEOLARIIDAE

Trichodina vancouverense Laird, 1961. Vancouver Island, British Columbia. Gills. Laird (1961).

Trichodina decipiens Laird, 1961. Vancouver Island, British Columbia. Gills. Laird (1961).

Trichodina rectuncinata Raabe, 1958. Vancouver Island, British Columbia. Gills. Lom (1970b).

Artedius fenestralis, continued

PROTOZOA (SPOROZOA)

ADELEIDAE

Haemogregarina bigemina Laveran and Mesnil, 1901. Vancouver Island, British Columbia. Blood. Laird (1961).

COTTIDAE - Artedius harringtoni Scalyhead Sculpin

SYNONYM - Axyrias harringtoni

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808. Larva. British Columbia. Intestines. Arai (1969b).

COPEPODA

LERNAEOPODIDAE

Clavella parva Wilson, 1912. British Columbia. Fraser (1920).

LERNAEOCERIDAE

Haemobaphes intermedius Kabata, 1967. British Columbia. Gill arches. Kabata (1967b).

DIGenea

ACANTHOCOLPIDAE

Stephanostomum casum (Linton, 1910) McFarlane, 1934. British Columbia. Intestines. Arai (1969b).

NEMATODA

SPIRURIDAE

Ascarophis sebastodis Olsen, 1952. British Columbia. Intestines. Arai (1969b).

ANISAKIDAE

Contraecaecum sp. Larva. British Columbia. Body cavities. Arai (1969b).

COTTIDAE - Artedius lateralis Smoothhead Sculpin

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Sphaeromyxa lateralis Noble, 1941. Santa Barbara, California. Gall-bladders. Noble (1941).

Artedius lateralis, continued

CERATOMYXIDAE

Leptotheca elegans Noble, 1938. Santa Barbara, California. Gall-bladders. Noble (1941).

COTTIDAE - Artedius notospilotus Bonyhead Sculpin

DIGENEA

OPECOELIDAE

Podocotyle enophrysi Park, 1937. Dillon Beach, California. Intestines, caeca. Edmiston (1971).

COTTIDAE - Ascelichthys rhodorus Rosylip Sculpin

DIGENEA

OPECOELIDAE

Podocotyle enophrysi Park, 1937. Dillon Beach, California. Intestines, caeca. Edmiston (1971).

Podocotyle sp. Dillon Beach, California. Intestines. Edmiston (1971).

Podocotyle californica Park, 1937. Dillon Beach, California. Intestines, caeca. Edmiston (1971).

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Myxidium incurvatum Thelohan, 1892. Puget Sound, Washington. Gall-bladders. Kuris (1975).

AGONIDAE - Asterotheca infraspinata Spinycheek Starnose

PROTOZOA (CILIOPHORA)

URCEOLARIIDAE

Trichodina ovonucleata Raabe, 1958. Washington. Lom (1970b).

SCYPHIDIIDAE

Scyphidia arctica Zhukov, 1960. Washington. Gills. Lom and Laird (1969).

PLEURONECTIDAE - Atheresthes stomias Arrowtooth Flounder

ACANTHOCEPHALA

POLYMORPHIDAE

Corynosoma reductum (Von Lindstow, 1905). Larva. Bering Sea, USSR.
Intestines. Mamaev (1965).

Corynosoma strumosum (Rudolphi, 1802) Lühe, 1904. Larva. Bering
Sea, USSR. Mamaev (1965).

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. Bering Sea, USSR.
Mamaev (1965).

CESTODA

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Larva. Bering Sea, USSR. Body
cavities, stomach walls, intestines. Mamaev (1965).

LACISTORHYNCHIDAE

Grillotia erinaceus (Van Beneden, 1858) Guiart, 1927. Larva. Bering
Sea, USSR. Body cavities, stomach walls. Mamaev (1965).

TETRAPHYLLIDEA

Scolex pleuronectis Müller, 1788. Bering Sea, USSR. Intestines,
gallbladders. Mamaev (1965).

COPEPODA

LERNAEOCERIDAE

Phrioxcephalus cincinnatus Wilson, 1908. Pt. Reyes, California.
Eyes. Wilson (1935b); Vancouver Island, British Columbia. Eyes.
Kabata (1969b).

DIGenea

DICLIDOPHORIDAE

Heterobothrium affinis (Linton, 1898) Price, 1943. Bering Sea, USSR.
Mamaev (1965).

BUCEPHALIDAE

Prosorhynchus crucibulum (Rudolphi, 1819) Odhner, 1905. Bering Sea,
USSR. Mamaev (1965).

ZOOGONIDAE

Steganoderma formosum Stafford, 1904. Bering Sea, USSR. Intestines.
Mamaev (1965).

HEMIURIDAE

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. Bering Sea, USSR.
Intestines. Mamaev (1965).

Atheresthes stomias, continued

MONOGENEA

DICLIDOPHORIDAE

Diclidophora pugetensis Robinson, 1961. Puget Sound, Washington. (Gills. Robinson (1961)).

CAPSALIDAE

Entobdella pugetensis Robinson, 1961. Puget Sound, Washington. Gills. Robinson (1961).

Entobdella hippoglossi (Müller, 1776) Johnston, 1856. Bering Sea, USSR. Gills. Mamaev (1965).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Many places in body. Margolis (1952); Bering Sea. Mamaev (1965).

Terranova decipiens (Krabbe, 1878) Johnston and Mawson, 1945. Larva. Bering Sea, USSR. Musculature, body cavities. Mamaev (1965).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Bering Sea, USSR. Mamaev (1965).

ATHERINIDAE - Atherinops affinis Topsmelt

COPEPODA

CALIGIDAE

Caligus serratus Shiino, 1965. La Jolla, California. Body surfaces. Hobson (1971).

BOMOLOCHIDAE

Bomolochus constrictus (Cressey in Cressey and Collette, 1970). La Jolla, California. Gills. Hobson (1971) as Parabomolochus c.

LERNAEIDAE

Peniculus fissipes Wilson, 1917. La Jolla, California. Embedded in fins. Hobson (1971).

ERGASILIDAE

Ergasilus sp. Mugu Lagoon, California. Body surfaces. Baker (1975b).

DIGENEA

HETEROPHYIDAE

Ascotyle angrense Travassos, 1930. Metacercaria. Mugu Lagoon, California. Baker (1975b).

Cercarioides humbargari (Park, 1936) Dubois and Mahon, 1959. Metacercaria. San Diego, California. Olson (1975b).

Atherinops affinis, continued

MONOGENEA

GYRODACTYLIDAE

Archigyrodactylus atherinops Mizelle and Kritsky, 1967. Bodega Bay, California. Skins. Mizelle and Kritsky (1967b).

Gyrodactylus sp. Mugu Lagoon, California. Gills. Baker (1975b).

POLYPISTHOCOCTYLEA

Mugu Lagoon, California. Gills. Baker (1975b).

NEMATODA

CAMALLANIDAE

Spirocamallanus pereirai (Annereaux, 1946) Olsen, 1952. Goleta Slough, California. Intestines. Noble and King (1960).

ANISAKIDAE

Contracaecum sp. Immature. San Diego, California. Olson (1975b).

PROTOZOA (CILIOPHORA)

URCEOLARIIDAE

Trichodina sp. Mugu Lagoon, California. Gills. Baker (1975b).

ATHERINIDAE - Atherinopsis californiensis Jacksmelt

CESTODA

TETRAPHYLLIDEA

Yellow pigmented pleuroceroid. Southern California. Encysted in rectal mesenteries. Kunnenkeri (1962).

COPEPODA

CALIGIDAE

Caligus serratus Shinno, 1965. La Jolla, California. Shiino (1965b).

DIGENEA

MONORCHIIDAE

Asymphylodora atherinopsidis Annereaux, 1947. Stinsons Beach, California. Intestines. Annereaux (1947).

LEPOCREADIIDAE

Lepocreadium sp. Monterey Bay, California. Intestines. Chapa (1969).

NEMATODA

CAMALLANIDAE

Spirocamallanus pereirai (Annereaux, 1946) Olsen, 1952. Bolinas Bay, California. Intestines. Annereaux (1946) as Procamallanus p.

GASTEROSTEIDAE - Aulorhynchus flavidus Tubesnout

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus sp. Larva. British Columbia. Intestines. Arai (1969b).

PHYLLOBOTHRIIDAE

Phyllobothrium sp. Larva. British Columbia. Intestines. Arai (1969b).

DIGENEA

HEMIURIDAE

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia. Intestines. Arai (1969b).

OPECOELIDAE

Podocotyle atomon (Rudolphi, 1802) Odhner, 1905. British Columbia. Intestines. Arai (1969b).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Body cavities. Arai (1969b).
Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Larva. British Columbia. Body cavities. Arai (1969b) as Contracaecum a.

SPIRURIDAE

Ascarophis sebastodis Olsen, 1952. Larva. British Columbia. Intestines. Arai (1969b).

SCOMBRIDAE - Auxis rochei Bullet Mackerel

DIGENEA

BUCEPHALIDAE

Rhipidocotyle capitata (Linton, 1940) Manter, 1947. Woods Hole, Massachusetts. Linton (1940).

DIDYMOZOIDAE

Didymozoon auxis Taschenberg, 1879. Naples, Italy. Gill lamellae. Yamaguti (1971).

Didymozoon sp. Woods Hole, Massachusetts. Gills. Linton (1940).

FELLODISTOMIDAE

Tergestia pectinata (Linton, 1905) Manter, 1940. Woods Hole, Massachusetts. Intestines. Linton (1940).

GASTEROSTOMIDAE

Gasterostomum capitatum Linton, 1940. Woods Hole, Massachusetts. Linton (1940).

SCOMBRIDAE - Auxis thazard Frigate Mackerel

ACANTHOCEPHALA

RHADINORHYNCHIDAE

Rhadinorhynchus selkirki Van Cleave, 1921. Japan. Yamaguti (1963c).

ECHINORHYNCHIDAE

Neorhadinorhynchus nudus (Harada, 1938) Yamaguti, 1939. South China Sea. Intestines. Mamaev (1968b) as Echinorhynchus n.

CESTODA

DASYRHYNCHIDAE

Callotethrarhynchus gracilis (Rudolphi, 1819) Pintner, 1931. South China Sea. Intestines, livers. Mamaev (1968b).

TRYPANORHYNCHA

Gen. and sp. South China Sea. Intestines, livers. Mamaev (1968b).
Scolex sp. South China Sea. Intestines. Mamaev (1968b).

COPEPODA

CALIGIDAE

Caligus productus Dana, 1853. Eastern Pacific. Body surfaces.
Shiino (1959d).

Caligus auxisi Pillai, 1963. India. Operculums. Pillai (1963).

BOMOLOCHIDAE

Parabomolochus mycterobius Vervoort, 1965. Gulf of Guinea. Nasal fossae. Vervoort (1965).

DIGenea

FELLODISTOMIDAE

Tergestia laticollis (Rudolphi, 1819) Stossich, 1899. Mediterranean.
Manter (1940b).

Tergestia acanthogobii Yamaguti, 1938. Hamana-Ko, Japan. Yamaguti (1971).

DIDYMOZOIDAE

Didymozoon auxis Taschenberg, 1879. Japan. Gills. Yamaguti (1951).

Colocyntotrema auxis Yamaguti, 1951. Japan. Pyloric caeca. Yamaguti (1951).

Phacelotrema claviforme Yamaguti, 1951. Japan. Pyloric caeca. Yamaguti (1951).

Opepherotrema planum Yamaguti, 1951. Japan. Pyloric caeca. Yamaguti (1951).

Oesophagocystis dissimilis (Yamaguti, 1938) Yamaguti, 1970. Pacific
Mamaev (1968b) as Didymocystis dissimilis. [Mamaev's description and figures do not agree with mine - Yamaguti (1971).]

Annulocystis auxis Yamaguti, 1970. Hawaii. Gills. Yamaguti (1970).

Metanematobothrium bivitellatum Mamaev, 1968. Pacific. Gills. Mamaev (1968b).

Didymosphaera mirabilis Mamaev, 1968. Viet Nam Gulf. Mamaev (1968a).

Auxis thazard, continued

Didymocystis dissimilis Yamaguti, 1968. South China Sea. Mamaev (1968b).

Lobatozoum multisacculatum Ishii, 1935. South China Sea. Gills. Mamaev (1968b).

HEMIURIDAE

Sterrhurus imocavus Looss, 1907. Stomachs. Mamaev (1968b) as Lecithochirium i.

Plerurus carangi Parukhin, 1966. South China Sea. Stomachs. Mamaev (1968b).

Dinurus euthynni Yamaguti, 1934. South China Sea. Stomachs. Mamaev (1968b).

Dinurinae. Gen. and sp. Gulf of Mexico. Nikolaeva and Parukhin (1968).

Brachyphallus parvus (Manter, 1947) Skrjabin and Guschanskaja, 1955. Gulf of Mexico. Nikolaeva and Parukhin (1968).

Lecithochirum keokeo Yamaguti, 1970. Hawaii. Stomachs. Yamaguti (1970).

GORGODERIDAE

Phyllodistomum lancea Mamaev, 1968. South China Sea. Urinary bladders. Mamaev (1968b).

BUCEPHALIDAE

Rhipidocotyle capitata (Linton, 1940) Manter, 1947. Hawaii. Intestines. Manter (1947).

Rhipidocotyle pentagonum (Ozaki, 1924) Ekmann, 1932. South China Sea. Stomachs. Mamaev (1968b).

Prosorhynchus sp. South China Sea. Stomachs. Mamaev (1968b).

MONOGENEA

GASTROCOTYLIDAE

Pseudaxine sp. South China Sea. Gills. Mamaev (1968b).

Allopseudaxine macrova (Unnithan, 1957) Yamaguti, 1963. South China Sea. Gills. Mamaev (1968b).

Metapseudaxine ventrosicula Mamaev, 1967. South China Sea. Gills. Mamaev (1967).

Pseudaxine triangula Mamaev, 1967. South China Sea. Gills. Mamaev (1967).

HEXOSTOMATIDAE

Hexostoma auxisi Palombi, 1943. Italy. Gills. Price (1961); South China Sea. Mamaev (1968b).

Hexostoma keokeo Yamaguti, 1968. Hawaii. Gills. Yamaguti (1968).

CAPSALIDAE

Caballerocotyla manteri affinis Mamaev, 1968. South China Sea. Gills. Mamaev (1968b).

Auxis thazard (continued)

NEMATODA

ANISAKIDAE

Contraecum sp. Larva. South China Sea. Body cavities. Mamaev (1968b).

Anisakis sp. Larva. South China Sea. Body cavities. Mamaev (1968b).

SPIRUROIDAE

Spinitectus ? mollis Mamaev, 1968. South China Sea. Stomachs. Mamaev (1968b).

Spinitectus sp. South China Sea. Stomachs. Mamaev (1968b).

Ctenascarophis gastricus Mamaev, 1968. South China Sea. Stomachs. Mamaev (1968b).

PROTOZOA (SPOROZOA)

ADELEIDAE

Haemogregarina bigemina Laveran and Mesnil, 1901. Puerto Rico. Blood. Saunders (1966).

-SEE ADDENDUM

ALEPOCEPHALIDAE - Bajacalifornia burragei

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Myxidium bajacalifornium Noble, 1966. Catalina Basin, California. Gallbladders. Noble (1966a).

BALISTIDAE - Balistes polylepis Finescale Triggerfish

SYNONYM - Verrunculus polylepis

COPEPODA

CALIGIDAE

Caligus productus Dana, 1854. Puerto Penasco, Mexico. Causey (1960).

DIGenea

ALLOCREADIIDAE

Pseudocreadium galapagoense Manter, 1946. Isla Angel de la Guarda, Bahia Santa Ines, Bahia San Francisquito, Baja California, Mexico. Intestines. Arai (1962) as P. scaphosomum; Panama. Caballero, Bravo-Hollis and Grocott (1953) as P. scaphosomum.

Balistes polylepis (continued)

ACANTHOCOLPIDAE

Stephanostomum provitellosum Sogandares-Bernal, 1959. Galapagos Islands. Sogandares-Bernal (1959); Isla Angel de la Guarda, Baja California, Mexico. Intestines. Arai (1962).

MONORCHIDAE

Lasiotocus longicaecum (Manter, 1940) Yamaguti, 1954. Bahia Santa Ines, Baja California, Mexico. Intestines. Arai (1962).

HOMALOMETRIDAE

Homalometron caballeroi Lamothe-Argumedo, 1965. Gulf of California, Mexico. Yamaguti (1971).

LEPOCREADIIDAE

Lepocreadium bravoae Lamothe-Argumedo, 1965. Sonora, Gulf of California, Mexico. Intestines. Lamothe-Argumedo (1965).

MONOGENEA

CALCEOSTOMATIDAE

Paracalceostoma calceostomoides Caballero and Bravo-Hollis, 1960. Bahia Kino, Sonora, Baja California, Mexico. Gills. Caballero and Bravo-Hollis (1962).

DISCOCOTYLIDAE

Pseudomazocraes monsvaisae Caballero and Bravo-Hollis, 1955. Puerto Vallarta, Mexico. Gills. Caballero and Bravo-Hollis (1955).

BATHYLAGIDAE - Bathylagus ochotensis Popeye Blacksmelt

PROTOZOA (SARCOMASTIGOPHORA)

CRYPTOBIIDAE

Cryptobia sp. Noble and Collard (1970).

BATHYLAGIDAE - Bathylagus wesethi Snubnose Blacksmelt

PROTOZOA (SARCOMASTIGOPHORA)

CRYPTOBIIDAE

Cryptobia sp. Noble and Collard (1970).

COTTIDAE - Blepsias cirrhusus Silverspotted Sculpin

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. Sea of Japan. Intestines. Zhukov (1960a).

Blepsias cirrhosus, continued

CESTODA

PHYLLOBOTHRIDAE

Phyllobothrium sp. Larva. British Columbia. Intestines. Arai (1969b); Sea of Japan. Mesenteries. Zhukov (1960a).

BOTHRIOCEPHALIDAE

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808. Sea of Japan. Intestines. Zhukov (1960a).

TETRAPHYLLIDEA

Scolex pleuronectis Müller, 1788. Sea of Japan. Intestines. Zhukov (1960a).

COPEPODA

LERNAEOCERIDAE

Haemobaphes sp. Immature. British Columbia. Kabata (1967b); British Columbia. Gills. Arai (1969b).

DIGenea

HEMIURIDAE

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia. Intestines. Arai (1969b); Sea of Japan. Zhukov (1960a).

Genolinea laticauda Manter, 1925. Oregon. McCauley (1960); British Columbia. Stomachs. Arai (1969b); Kamchatka, USSR. Skyrabina (1963).

Genolinea anura (Layman, 1930) Yamaguti, 1954. Sea of Japan. Stomachs. Zhukov (1960a).

Brachyphallus crenatus (Rudolphi, 1802) Odhner, 1905. Sea of Japan. Intestines. Zhukov (1960a).

Derogenes varicus (Müller, 1784) Looss, 1901. Sea of Japan. Stomachs. Zhukov (1960a).

OPECOELIDAE

Neopodocotyloides sinusaccus (Ching, 1960) Pritchard, 1966. British Columbia. Intestines. Arai (1969b).

Podocotyle sp. Immature. British Columbia. Intestines. Arai (1969b).

Podocotyle atomon (Rudolphi, 1802) Odhner, 1905. Sea of Japan. Intestines. Zhukov (1960a).

Podocotyle reflexa (Creplin, 1825) Odhner, 1905. Sea of Japan. Intestines. Zhukov (1960a).

ALLOCREADIIDAE

Liliatrema skrjabini Gubanov, 1954. Larva. Sea of Japan. Muscles. Zhukov (1960a).

MONOGENEA

GYRODACTYLIDAE

Gyrodactylus grüenlandicus pacificus Bykhovsky and Poljansky, 1953. Sea of Japan, S. Kurile. Gills. Bykhovsky and Poljansky (1953).

Blepsias cirrhosus, continued

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Body cavities. Arai (1969b).
Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Sea of Japan.
 Intestines. Zhukov (1960a) as Contracecum a.

EMBIOTOCIDAE - Brachyistius frenatus Kelp Surfperch

DIGenea

HEMIURIDAE

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia.
 Digestive tracts. Arai (1969b).

BRAMIDAE - Brama japonica Pacific Pomfret

DIGenea

SYNCOELIDAE

Capiatestes thyrstitae Crowcroft, 1948. Pacific Ocean. Gills,
 esophagi. Lebedev (1968). Uncertain host.

NEMATODA

LAMPTRITREMATIDAE

Lampritrema nipponicum Yamaguti, 1940. Gulf of Alaska. Gills.
 Margolis (1962).

SPARIDAE - Calamus brachysomus Pacific Porgy

COPEPODA

CALIGIDAE

Caligus productus Dana, 1853. Mazatlan, Mexico. Causey (1960).
Caligus mutabilis Wilson, 1905. Puerto Penasco, Mexico. Causey
 (1960).

DIGenea

OPISTHOLEBETIDAE

Pachycreadium gastrocotylum (Manter, 1940) Manter, 1954. Galapagos
 Islands. Intestines. Manter (1940b) as Plagioporus g.

Calamus brachysomus, continued

HEMIURIDAE

Lecithochirium microstomum Chandler, 1935. Galapagos Islands.
Stomachs. Manter (1940b).

CARANGIDAE - Caranx caballus Green Jack

SYNONYM - Paratractus caballus

DIGENEA

ACANTHOCOLPIDAE

Stephanostomum filiforme Linton, 1940. Woods Hole, Massachusetts.
Linton (1940).

FELLODISTOMIDAE

Tergestia laticollis (Rudolphi, 1819) Stossich, 1899. Costa Rica.
Intestines. Manter (1940a).

MONOGENEA

HETERAXINIDAE

Cemocotyle borinquensis Price, 1962. Puerto Rico. Yamaguti
(1963b).

CARANGIDAE - Caranx hippos Crevalle Jack

ACANTHOCEPHALA

RHADINORHYNCHIDAE

Gorgorhynchoides sp. Florida. Cable and Linderoth (1963).

CESTODA

TENTACULARIIDAE

Nybelinia bisulcata (Linton, 1889) Dollfus, 1929. Larva. North
Carolina. Cysts on sides of stomachs. Dollfus (1942).

TRYPANORHYNCHA

Rhynchobothrius carangis MacCallum, 1921. USA. Yamaguti (1959b).
[Species Incertae sedis - Yamaguti (1959b).]

COPEPODA

CALIGIDAE

Caligus coryphaenae Steenstrup and Lütken, 1861. Texas. Gills.
Causey (1953b) as C. aliuncus.

Caranx hippos, continued

- Caligus constrictus Heller, 1865. Panama. Exteriors. Wilson (1937a); Mexico. Causey (1960).
Caligus praetextus Bere, 1936. Louisiana. Causey (1953a).
Caligus rectus Pearse, 1952. Texas. Exteriors. Pearse (1952).
Caligus spinosurculus Pearse, 1951. Bahama Islands. Exteriors. Pearse (1951).
Caligus tenax Heller, 1865. Texas. Gills. Causey (1953b).
Caligus diaphanus Nordmann, 1832. Panama Bay. Exteriors. Wilson (1937a).
Caligus elongatus Nordmann, 1832. Texas. Gills. Causey (1953b) as C. rapax.
Caligus confusus Pillai, 1961. Panama. Wilson (1937a) as C. constrictus.
Caligus robustus Bassett-Smith, 1898. Gulf of Mexico. Body surfaces, branchial cavities. Bere (1936).
Lepeophtheirus edwardsi Wilson, 1905. Woods Hole, Massachusetts. External surfaces. Wilson (1905).
Anuretes heckelii (Kollar in Krøyer, 1863) Heller, 1865. North America. Yamaguti (1963a).

DICHELESTHIIDAE

- Hatschekia oblonga Wilson, 1913. Albemarle Island, Secas Island, Panama. Gills. Wilson (1937a).

ANTHOSOMATIDAE

- Lernanthropus giganteus Krøyer, 1863. Texas. Pearse (1952); West Africa. Delamare-Deboutville and Nunes-Ruivo (1954).

LERNAEIDAE

- Lernaenicus longiventris Wilson, 1917. Western North Atlantic. Flesh. Wilson (1917); Texas. Causey (1953b); Panama Bay. Wilson (1937a).

PANDARIDAE

- Pandarus sinuatus Say, 1818. Texas. Body surfaces. Causey (1953b).

DIGenea

BUCEPHALIDAE

- Bucephalopsis gracilescens (Rudolphi, 1819). Beaufort, North Carolina. Linton (1905) as Gasterostomum g.
Bucephalopsis arcuata (Linton, 1900) Ekmann, 1932. Beaufort, North Carolina. Linton (1905) as Gasterostomum arcuatum.
Bucephalus introverus Manter, 1940. Columbia. Stomachs. Manter (1940a).
Bucephalus varicus Manter, 1940. Puerto Vallarta, Mexico. Intestines. Bravo-Hollis and Sogandares-Bernal (1956); Florida. Sogandares-Bernal and Hutton (1959).

Caranx hippos, continued

OPECOELIDAE

Pseudopecoeloides carangis (Yamaguti, 1938) Yamaguti, 1940. Mexican Pacific. Intestines. Yamaguti (1938b) as Cymbephallus carangi; Colima, Mexico. Bravo-Hollis (1954b).

Alloanomalotrema ghanensis (Fischthal and Thomas, 1970) Yamaguti, 1971. Ghana. Small intestines. Fischthal and Thomas (1970b) as Poracanthium g.

ACANTHOCOLPIDAE

Stephanostomum ditrematis (Yamaguti, 1939) Manter, 1947. Florida. Intestines. Nahhas and Short (1965); Louisiana. Sparks (1958); Woods Hole, Massachusetts. Linton (1940) as S. filiforme.

Stephanostomum longisomum Manter, 1940. Ecuador, Mexico. Intestines. Manter (1940a).

Stephanostomum megacephalum Manter, 1940. Panama, Ecuador, Mexico. Gills, intestines. Manter (1940a); Louisiana. Sparks (1958); Florida. Nahhas and Short (1965).

Stephanostomum hispidium (Yamaguti, 1934) Manter, 1940. Colima, Mexico. Intestines. Bravo-Hollis (1954b).

Manteria brachyderus (Manter, 1940) Caballero, 1950. Ecuador. Intestines. Caballero (1950).

HEMIURIDAE

Sterrhurus zeloticus (Travassos, Freitas and Bührnheim, 1966) Yamaguti, 1971. Brazil. Stomachs. Travassos, Freitas and Bührnheim (1966) as Separogermiductus z.

Sterrhurus musculus Looss, 1907. Florida. Stomach. Overstreet (1969).

Ectenurus virgulus Linton, 1910. Jamaica-Curacao. Intestines. Nahhas and Cable (1964); Florida. Overstreet (1969).

Ectenurus americanus (Manter, 1947) Manter and Pritchard, 1960. Jamaica-Curacao. Stomachs. Nahhas and Cable (1964).

Ectenurus yamagutii Nahhas and Powell, 1971. Florida. Stomachs. Nahhas and Powell (1971).

Parahemiurus merus (Linton, 1910) Woolcock, 1935. Jamaica-Curacao. Stomachs. Nahhas and Cable (1964); Florida. Overstreet (1969).

Lecithochirium parvum Manter, 1947. Curacao-Jamaica. Stomachs. Nahhas and Cable (1964).

FELLODISTOMIDAE

Tergestia pectinata (Linton, 1905) Manter, 1940. Jamaica-Curacao. Nahhas and Cable (1964); Florida. Intestines. Nahhas and Short (1965).

Monascus typicus (Odhner, 1911) Yamaguti, 1954. Oaxaca, Mexico. Intestines. Lamothe-Argumedo (1969a).

Caranx hippos, continued

MONOGENEA

DISCOCOTYLIDAE

Allodiscocotyla mexicana Caballero and Bravo-Hollis, 1964. Salina Cruz, Mexico. Gills. Caballero and Bravo-Hollis (1964). [In Allodiscotylidae - Caballero and Bravo-Hollis (1964).]

Vallisia riojai Caballero and Bravo-Hollis, 1964. Salina Cruz, Mexico. Gills. Caballero and Bravo-Hollis (1964). [In Anthocotylidae - Caballero and Bravo-Hollis (1964).]

MICROCOTYLIDAE

Pyragraphorus caballeroi Zerecero, 1960. Manzanillo, Mexico. Gills. Zerecero (1960).

HETERAXINIDAE

Helixaxine winteri Caballero and Bravo-Hollis, 1965. Campeche, Mexico, Gulf of Mexico. Gills. Caballero and Bravo-Hollis (1967).
Zeuxapta seriolae (Meserve, 1938) Price, 1962. Bahia de Zihvatanejo, Mexico. Lamothe-Argumedo (1970).

Cemocotyle noveboracensis Price, 1962. New York. Gills. Price (1962b); Campeche, Mexico, Gulf of Mexico. Caballero and Bravo-Hollis (1967).

PROTOMICROCOTYLIDAE

Abortipedia indica Unnithan, 1962. India. Gills. Unnithan (1962).
Protomicrocotyle manteri Bravo-Hollis, 1967. Mexican Gulf of Mexico. Gills. Caballero and Bravo-Hollis (1967); Oaxaca, Mexico. Lamothe-Argumedo (1970).

Protomicrocotyle mirabilis (MacCallum, 1918) Johnston and Tiegs, 1922. Pt. Aransas, Texas. Gills. Lamothe-Argumedo (1970); Florida. Hargis (1957).

GASTROCOTYLIDAE

Pseudomazocraes monsvaisae Caballero and Bravo-Hollis, 1955. Salina Cruz and Puerto Escondido, Mexico. Caballero and Bravo-Hollis (1955).

DIONCIDAE

Dioncus remorae (MacCallum, 1916) Price, 1938. New York Aquarium. Gills. Hargis (1955c).

ALLOPYRAGRAPHORIDAE

Allopyragraphorus hippos (Hargis, 1956) Yamaguti, 1963. Gulf of Mexico. Gills. Hargis (1956a) as Pyragraphorus h.

NEMATODA

CUCULLANIDAE

Cucullanus carangis (MacCallum, 1921) Tornquist, 1931. New York Aquarium. Intestines. Yamaguti (1961).

Caranx hippos, continued

PROTOZOA (SPOROZOA)

ADELEIDAE

Haemogregarina bigemina Laveran and Mesnil, 1901. Puerto Rico.
Blood. Saunders (1966).

-SEE ADDENDUM

CARCHARHINIDAE - Carcharhinus leucas Bull Shark

CESTODA

DASYRYNCHIDAE

Dasyrynchus giganteus (Diesing, 1850) Pintner, 1929. Florida.
Intestines. Dollfus (1969b).

CATHETOCEPHALIDAE

Cathetocephalus thatcheri Dailey and Overstreet, 1973. Florida. Spiral
valves. Dailey and Overstreet (1973).

OTOBOTHRIIDAE

Poecilancistrum caryophyllum (Diesing, 1850) Dollfus, 1942. Gulf of
Mexico. Goldstein (1963).

Otobothrium penetrans Linton, 1907. Dry Tortugas, Caribbean.
Chandler (1954).

Otobothrium crenacolle Linton, 1890. Dry Tortugas, Caribbean.
Chandler (1954).

DISCULICIPITIDAE

Disculiceps pileatus (Linton, 1890) Joyeux and Baer, 1935. Gulf
of Mexico. Chandler (1954).

PHYLLOBOTHRIIDAE

Phyllobothrium musteli (Van Beneden, 1850) Dry Tortugas. Caribbean.
Chandler (1954).

Anthobothrium laciniatum Linton, 1890. Dry Tortugas, Caribbean.
Chandler (1954).

ONCOBOTHRIIDAE

Phoreiobothrium lasium Linton, 1889. Dry Tortugas, Caribbean. Chandler
(1954) as Cylindrophorus l.

Phoreiobothrium exceptum Linton, 1924. Texas. Chandler (1954) as
Cylindrophorus e.

Carcharhinus leucas, continued

COPEPODA

EURYPHORIDAE

Alebion carchariae Krøyer, 1863. West Florida. Surfaces of bodies.
Cressey (1970).

Paralebion elongatus Wilson, 1911. West Florida. Body surfaces.
Cressey (1970); Indian Ocean. Cressey (1967a); West Africa. Caudal
fins. Vaissiere (1959).

Alebion gracilis Wilson, 1905. Indian Ocean. Body surfaces. Cressey
(1967a).

PANDARIDAE

Nesippus orientalis Heller, 1865. West Florida. Body surfaces.
Cressey (1970); Indian Ocean. Cressey (1967a); Florida. Mouths,
gill arches. Cressey (1967c).

Nesippus crypturus Heller, 1865. West Florida. Mouths. Cressey
(1970); Madagascar. Cressey (1967c); Indian Ocean. Cressey (1967a).

Perissopus dentatus Steenstrup and Lütken, 1861. West Florida.
Exteriors. Cressey (1970); Indian Ocean. Cressey (1967a).

Pandarus smithii Rathbun, 1886. West Florida. Exteriors. Cressey
(1970).

Pandarus cranchii Leach, 1819. West Florida. Tails, pectoral fins.
Cressey (1970).

Pandarus sinuatus Say 1817. West Florida. Exteriors. Cressey (1970).

Pandarus carcharini Ho, 1960. Madagascar. Cressey (1967c).

EUDACTYLINIDAE

Krøyeria gracilis Wilson, 1932. Madagascar, Indian Ocean. Gill
filaments. Cressey (1967a).

Nemesis robusta (Van Beneden, 1851) Heller, 1865 Madagascar. Gill
filaments. Cressey (1967a).

Nemesis atlantica Wilson, 1922. West Florida. Gills. Cressey (1970).

MONOGENEA

HEXABOTHRIIDAE

Heteroncocotyle leucas Hargis, 1955. Louisiana. Hargis (1955b).

CARCHARINIDAE - Carcharhinus longimanus Pelagic Whitetipped Shark

CESTODA

TENTACULARIIDAE

Tentacularia coryphaena Bosc, 1802. Pacific Ocean - Northern Mexico.
Heinz and Dailey (1974).

Carcharhinus longimanus, continued

DASYRHYNCHIDAE

Dasyrhynchus talismani Dollfus, 1935. Pacific Ocean - Northern Mexico. Heinz and Dailey (1974).

COPEPODA

PANDARIDAE

Pandarus cranchii Leach, 1819. Indian Ocean. Body surfaces, fins. Cressey (1967a).

Nesippus crypturus Heller, 1865. Indian Ocean. Mouths. Cressey. (1967a).

EURYPHORIDAE

Alebion gracilis Wilson, 1905. Indian Ocean. Body surfaces. Cressey (1967a).

EUDACTYLINIDAE

Kroyeria gracilis Wilson, 1932. Indian Ocean. Gill filaments. Cressey (1967a).

CARCHARHINIDAE - Carcharhinus obscurus Dusky Shark

SYNONYM - Carcharias obscurus

CESTODA

PHYLLOBOTHRIIDAE

Phyllobothrium foliatum Linton, 1890. Woods Hole, Massachusetts. Linton (1890).

Anthobothrium laciniatum Linton, 1890. Woods Hole, Massachusetts. Linton (1890).

Crossobothrium angustum (Linton, 1889). Woods Hole, Massachusetts. Linton (1924).

TENTACULARIIDAE

Nybelinia bisulcata (Linton, 1889) Dollfus, 1929. Woods Hole, Massachusetts. Intestines. Linton (1889) as Rhynchobothrium bisulcatum.

Nybelinia robusta (Linton, 1890) Dollfus, 1930. Massachusetts. Dollfus (1942).

Tentacularia coryphaenae Bosc, 1802. Postlarva and adults. Massachusetts. Dollfus (1942).

DASYRHYNCHIDAE

Floriceps saccatus Cuvier, 1817. Atlantic. Dollfus (1942).

Carcharhinus obscurus, continued

Callitetrarhynchus gracilis (Rudolphi, 1819) Pintner, 1931. Yamaguti (1959b) as Callotetrarhynchus g.

OTOBOTHRIIDAE

Otobothrium crenacolle Linton, 1890. North Carolina, Woods Hole, Massachusetts, Gulf of Mexico. Spiral valves. Stomachs. Linton (1924).

Otobothrium dipsacum Linton, 1897. Beaufort, North Carolina. Linton (1905) as O. insigne.

PTEROBOTHRIIDAE

Pterobothrium heteracanthum Diesing, 1850. Larva. Woods Hole, Massachusetts. Cysts in stomachs. Linton (1924) as Synbothrium filicolle.

ONCOBOTHRIIDAE

Phoreiobothrium lasium Linton, 1889. Woods Hole, Massachusetts. Spiral valves. Linton (1889).

Phoreiobothrium triloculatum Linton, 1901. Woods Hole, Massachusetts. Linton (1924).

Platybothrium cervinum Linton, 1890. Woods Hole, Massachusetts. Spiral valves. Linton (1890).

DISCULICIPIDAE

Disculiceps pileatus (Linton, 1890) Joyeux and Baer, 1935. Woods Hole, Massachusetts. Intestine walls. Linton (1890) as Discocephalum p.

LACISTORHYNCHIDAE

Grillotia erinaceus (Van Beneden, 1858) Guiart, 1927. Massachusetts. Linton (1924) as Rhynchobothrium imparispine.

TRYPANORHYNCHA

Tetrarhynchus bicolor (Bartels, 1832) Wagener, 1854. Woods Hole, Massachusetts. Linton (1924). [= Tentacularia coryphaenae - Dollfus (1942).] [Species incertae sedis - Yamaguti (1961).]

Rhynchobothrium tumidulum Linton, 1905. Woods Hole, Massachusetts. Spiral valves. Linton (1924).

COPEPODA

EURYPHORIDAE

Paralebion elongatus Wilson, 1911. Gulf of Mexico. Mouths. Bere (1936).

Alebion fuscus Wilson, 1921. Woods Hole, Massachusetts. Fins, external surfaces. Wilson (1921)(653).

Alebion carchariae Krøyer, 1863. West Florida. Body surfaces. Cressey (1970); Woods Hole, Massachusetts. Wilson (1932); West Africa. Pectoral fins. Vaissiere (1959).

Carcharhinus obscurus, continued

Alebion gracilis Wilson, 1905. Indian Ocean. Body surfaces, fins. Cressey (1967a); Laysan Island. Wilson (1932).

PANDARIDAE

Nesippus orientalis Heller, 1865. Angola. Surfaces. Nunes-Ruivo (1956).

Nesippus alatus Wilson, 1907. Gulf of Mexico. Mouths and body surfaces. Bere (1936); Massachusetts. Wilson (1932).

Nesippus gracilis Wilson, 1935. Gulf of Mexico. Mouths and body surfaces. Bere (1936).

Pandarus smithii Rathbun, 1886. West Florida. Body surfaces. Cressey (1970); Woods Hole, Massachusetts. Wilson (1932).

Pandarus cranchii Leach, 1819. West Florida. Tails and pectoral fins. Cressey (1970).

Pandarus satyrus Dana, 1852. Gulf of Mexico. Body surfaces. Bere (1936).

Pandarus sinuatus Say, 1817. Gulf of Mexico. Body surfaces. Bere (1936); Woods Hole, Massachusetts. Wilson (1907).

Pandarus affinis Van Beneden, 1892. North Africa. Exterior on fins. Capart (1953).

Perissopus communis Rathbun, 1887. Massachusetts. Rathbun (1887); Gulf of Mexico. Body surfaces. Bere (1936).

Perissopus dentatus Steenstrup and Lutken, 1861. Indian Ocean. Body surfaces. Cressey (1967a).

EUDACTYLINIDAE

Kroyeria gracilis Wilson, 1932. West Florida. Wilson (1932).

Nemesis pallida Wilson, 1932. Martha's Vineyard, Massachusetts. Wilson (1932); Gulf of Mexico. Gills. Bere (1936).

Nemesis spinulosus Cressey, 1970. West Florida. Gills. Cressey (1970).

Nemesis atlantica Wilson, 1922. Woods Hole, Massachusetts. Gills. Wilson (1924).

Eudactylina spinifera Wilson, 1932. Gulf of Mexico. Gills. Bere (1936).

ANTHOSOMATIDAE

Anthosoma crassum (Abildgaard, 1794) Gould, 1841. Wilson (1932).

SPHYRIIDAE

Paeon elongatus Wilson, 1932. Massachusetts. Gill cavities. Wilson (1932).

Opimia exilis Wilson, 1908. Gulf of Mexico. Gills. Bere (1936).

DIGENEA

BUCEPHALIDAE

Bucephalopsis arcuatum (Linton, 1900) Ekmann, 1932. Woods Hole, Massachusetts. Dollfus (1937).

Carcharhinus obscurus, continued

MONOGENEA

MONOCOTYLIDAE

Cathariotrema selachii (MacCallum, 1916) Johnston and Tiegs, 1922. Woods Hole, Massachusetts. Olfactory organs. MacCallum (1916).

NEMATODA

ANISAKIDAE

Terranova brevicapitata (Linton, 1901) Musgovoy, 1951. North America. Yamaguti (1961).

LAMNIDAE - Carcharodon carcharias White Shark

CESTODA

PHYLLOBOTHRIIDAE

Phyllobothrium tumidum Linton, 1922. La Jolla, California. Spiral valves. Riser (1955).

Phyllobothrium lactuca Van Beneden, 1850. New Zealand. Spiral valves. Robinson (1959a).

Dinobothrium septaria Van Beneden, 1889. Woods Hole, Massachusetts. Yamaguti (1959b).

Dinobothrium plicatum Linton, 1922. Baylis (1950).

HEPATOXYLIDAE

Hepatoxylon trichiuri (Holten, 1802) Dollfus, 1942. New Zealand. Spiral valves. Robinson (1959a); Postlarva. Atlantic. Dollfus (1942).

TENTACULARIIDAE

Tentacularia coryphaenae Bosc, 1802. Brazil. Stomachs. Dollfus (1942).

COPEPODA

PANDARIDAE

Pandarus cranchii Leach, 1891. West coast of Florida. Pectoral, caudal fins. Cressey (1970); Massachusetts. Cressey (1967c); Indian Ocean. Cressey (1967a).

Pandarus smithii Rathbun, 1886. West coast of Florida. Body surfaces. Cressey (1970).

Pandarus floridanus Cressey, 1967. West coast of Florida. Body surfaces. Cressey (1970); Massachusetts. Cressey (1967c).

Pandarus sinuatus Say, 1818. Woods Hole, Massachusetts, North Carolina. Fins. Wilson (1907).

Carcharodon carcharias, continued

Nesippus orientalis Heller, 1865. West coast of Florida. Mouths, gill arches. Cressey (1970); Indian Ocean. Cressey (1967a).

Nesippus crypturus Heller, 1865. West coast of Florida. Mouths. Cressey (1970).

Nesippus alatus Wilson, 1907. Massachusetts. Throats. Wilson (1932); South Africa. Barnard (1955).

Echthrogaleus denticulatus Smith, 1874. Massachusetts. Wilson (1932).

Dinemoura latifolia Steenstrup and Lütken, 1861. Massachusetts. Body surfaces. Wilson (1932); New Zealand. Buccal cavities, gills, body surfaces. Hewitt (1967); Hawaii. Lewis (1966).

Dinemoura producta (Müller, 1785) Latreille, 1829. Maine. Cressey (1967c); New Zealand. Body surfaces. Hewitt (1967).

ANTHOSOMATIDAE

Anthosoma crassum (Abildgaard, 1794) Gould, 1841. Woods Hole, Massachusetts. Gills. Wilson (1924); Hawaii. Lewis (1966); New Zealand. Buccal cavities. Hewitt (1968c).

EUDACTYLINIDAE

Nemesis pallida Wilson, 1932. Martha's Vineyard, Massachusetts. Gills. Wilson (1932).

Nemesis lamna Risso, 1826. West coast of Florida. Cressey (1970); Mediterranean. Wilson (1932); Indian Ocean. Gill filaments. Cressey (1967a); New Zealand. Hewitt (1969c).

BRANCHIOSTEGIDAE - Caulolatilus princeps Ocean Whitefish

COPEPODA

LERNAEOPODIDAE

Brachiella gracilis Wilson, 1908. Ensenada, Baja California, Mexico. Causey (1960).

DIGenea

HOMALOMETRIDAE

Myzotus vitellus Manter, 1940. Galapagos Islands. Intestines. Manter (1940a) probably from C. princeps.

FELLODISTOMIDAE

Proctoeces magnorus Manter, 1940. Isla Cedros, Baja California, Mexico. Winter (1959).

MONOGENEA

DICLIDOPHORIDAE

Choricotyle caulolatilii (Meserve, 1938) Sproston, 1946. Galapagos Islands. Gills. Meserve (1938) as Diclidophora c.

-SEE ADDENDUM

STICHAEIDAE - Cebidichthys sp.

DIGENEA

OPECOELIDAE

Opecoelus adsphaericus Manter and Van Cleave, 1951. Monterey Bay, California. Intestines. Banerjee (1965). Likely C. violaceus.

STICHAEIDAE - Cebidichthys violaceus Monkeyface-eel

DIGENEA

HEMIURIDAE

Opisthadena bodegensis Johnson and Copsey, 1953. Dillon Beach, California. Gastro-intestinal tracts. Johnson and Copsey (1953).

OPECOELIDAE

Podocotyle sp. Dillon Beach, California. Pyloric caeca, intestines. Johnson (1969b).

MONOGENEA

MICROCOTYLIDAE

Microcotyle sp. Dillon Beach, California. Gills. Johnson (1949b).

MYCTOPHIDAE - Ceratoscopelus townsendi

CESTODA

TETRAPHYLLIDEA

Gen. and sp. Larva. Collard (1968).

PSEUDOPHYLLIDEA

Gen. and sp. Larva. North of Pt. Eugenia, Baja California, Mexico. Pyloric caeca. Collard (1968).

COPEPODA

Intermediate stage. North of Pt. Eugenia, Baja California, Mexico. Dorsal fins. Collard (1968).

DIGENEA

HEMIURIDAE

Gen. and sp. Equatorial Pacific; north of Pt. Eugenia, Baja California, Mexico. Stomachs, intestines. Collard (1968).

FELLODISTOMIDAE

Gen. and sp. Equatorial Pacific. Stomachs. Collard (1968).

Ceratoscopelus townsendi, continued

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. Equatorial Pacific. Intestines. Collard (1968).

Terranova sp. Larva. Equatorial Pacific. Livers, mesenteries.
Collard (1968).

Contracecum sp. Larva. Collard (1968).

CETORHINIDAE - Cetorhinus maximus Basking Shark

SYNONYM - Selache maximus

CESTODA

PHYLLOBOTHRIIDAE

Dinobothrium septaria Van Beneden, 1889. France. Joyeux and
Baer (1936).

Gastrolecithus planus (Linton, 1922) Yamaguti, 1952. Monterey Bay,
California. Spiral valves. Riser (1955); Great Britain.
Sproston (1948), both as Dinobothrium planum.

Reesium paciferum (Sproston, 1948) Euzet, 1956. Monterey Bay,
California. Spiral valves. Riser (1955) as Dinobothrium spinosum;
France. Euzet (1956).

Anthobothrium variabile (Linton, 1889). Southwell (1925) as
Polipobothrium vaccarii.

COPEPODA

EUDACTYLINIDAE

Nemesis lamna Risso, 1826. West Coast, Florida. Cressey (1970);
Africa. Barnard (1955); Japan. Gills. Yamaguti (1939);
New Zealand. Hewitt (1969c); Britain. Leigh-Sharpe (1933) as
N. vermi.

PANDARIDAE

Dinemoura producta (Müller, 1785) Latreille, 1829. Amsterdam.
Cressey (1967c); Africa. Barnard (1955); New Zealand. Hewitt
(1967).

ANTHOSOMATIDAE

Anthosoma crassum (Abildgaard, 1794) Gould, 1841. Africa. Between
teeth. Barnard (1955).

CRUSTACEA

LEPADIDAE

Conchoderma auritum (Linnaeus, 1767). Banyuls. Gills. Delamare-
Deboutville (1948).

Cetorhinus maximus, continued

DIGenea

SPIRORCHIDAE

Gen. and sp. Great Britain. Blood vessels. Sproston (1948).

NEMATODA

ANISAKIDAE

Contracaecum plagiostomorum (Linstow, 1905). Ceylon. Gills.
Baylis (1936).

DIODONTIDAE - Chilomycterus affinis Pacific Burrfish

DIGenea

OPISTHOLEBETIDAE

Opistholebes colylophorus Ozaki, 1935. Ryukyu Islands, Japan.
Intestines. Ozaki (1935).

Heterolebes maculosus Ozaki, 1935. Hawaii. Intestines. Ozaki
(1935).

Maculifer chilomycteri Yamaguti, 1959. Japan. Digestive tracts.
Yamaguti (1959a).

Pseudoheterolebes chilomycteri Yamaguti, 1959. Pacific, Japan.
Intestines. Yamaguti (1959a).

COTTIDAE - Chitonotus pugetensis Roughback Sculpin

COPEPODA

ERGASILIDAE

Ergasilus turgidus Fraser, 1920. British Columbia. Bere (1930a).

LERNAEOPODIDAE

Clavella parva Wilson, 1912. British Columbia. Bere (1930a).

NEMATODA

TRICHURIDAE

Capillaria sp. British Columbia. Stomachs. Arai (1969b).

ANISAKIDAE

Contracaecum sp. Larva. British Columbia. Body cavities. Arai
(1969b).

CARANGIDAE - Chloroscombrus orgueta Pacific Bumper

ISOPODA

CYMOTHOIDAE

Livoneca convexa Richardson, 1905. Pacific. Mouths, gill chambers.
Menzies, Bowman and Alverson (1955).

POMACENTRIDAE - Chromis punctipinnis Blacksmith

COPEPODA

CALIGIDAE

Caligus hobsoni Cressey, 1969. La Jolla, California. Cressey (1969a).

LERNAEOPODIDAE

Clavellopsis flexicurvica Shiino, 1956. La Jolla, California. Gill
arches. Hobson (1971).

ISOPODA

Gnathiid larva. La Jolla, California. Body surfaces. Hobson (1971).

MONOGENEA

MICROCOTYLIDAE

Bivagina punctipinnis Crane, 1972. San Diego, California. Gills.
Crane (1972).

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Leptotheca fisheri (Jameson, 1929) Kudo, 1933. San Pedro, California.
Gallbladders. Jameson (1929) as Ceratomyxa f.

BOTHIDAE - Citharichthys sordidus Pacific Sanddab

SYNONYM - Orthopsetta sordida

COPEPODA

LERNAEOPODIDAE

Brachiella nitida Wilson, 1915. Monterey Bay, California. Buccal
cavities. Wilson (1935b).

LERNAEIDAE

Phrixecephalus cincinnatus Wilson, 1908. Pacific Grove, California.
Eyes. Wilson (1935b).

Citharichthys sordidus, continued

DIGenea

HEMIURIDAE

Sterrhurus magnatestis Park, 1936. Dillon Beach, California.

Stomachs. Park (1936).

Derogenes varicus (Müller, 1784) Looss, 1901. British Columbia.

Stomachs. Margolis (1952).

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Oregon.

Stomachs. McCauley (1960); British Columbia. Stomachs. Arai (1969b).

AZYGIIDAE

Otodistomum sp. Metacercaria. British Columbia. Margolis (1952).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Many places in body.

Margolis (1952).

BOTHIDAE - Citharichthys stigmaeus Speckled Sanddab

CESTODA

GILQUINIIDAE

Gilquinia squali (Fabricius, 1794) Dollfus, 1930. Larva. British Columbia. Yamaguti (1959b).

DIGenea

HEMIURIDAE

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Oregon.

Stomachs. McCauley (1960); British Columbia. Stomachs. Arai (1969b).

Sterrhurus magnatestis Park, 1936. Tomales Bay, California. Chapa (1969) as Separogermiductus m.

ACANTHOCOLPIDAE

Stephanostomum sp. Tomales Bay, California. Intestines. Hughes (1952).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Body cavities. Arai (1969b).

BOTHIDAE - Citharichthys xanthostigma Longfin Sanddab

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Ceratomyxa hopkinsi Jameson, 1929. San Pedro, California. Gallbladders.
Jameson (1929).

COTTIDAE - Clevelandia ios Arrow Goby

CESTODA

DASYRHYNCHIDAE

Callitetrarhynchus sp. Larva. Mission Bay, California. Brooks
and Brothers (1974).

DIGenea

HEMIURIDAE

Lecithaster minimus Martin and Multani, 1970. Mission Bay,
California. Brooks and Brothers (1974).

MONOGENEA

GYRODACTYLIDAE

Gyrodactylus perforatus Mizelle and Kritsky, 1967. Bodega Bay,
California. Skins. Mizelle and Kritsky (1967c).

NEMATODA

CAMALLANIDAE

Spirocamallanus sp. Mission Bay, California. Brooks and Brothers
(1974).

COTTIDAE - Clinocottus acuticeps Sharpnose Sculpin

DIGenea

HEMIURIDAE

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. Oregon. Hall
and Pratt (1969) as L. salmonis.

MONOGENEA

GYRODACTYLIDAE

Gyrodactylus bodegensis Mizelle and Kritsky, 1967. Bodega Bay,
California. Skins. Mizelle and Kritsky (1967d).

COTTIDAE - Clinocottus analis Woolly Sculpin

DIGenea

OPECOELIDAE

Helicometrina elongata Noble and Park, 1937. La Jolla, California. Intestines. Yamaguti (1971).

Helicometrina nimia Linton, 1910. Intestines. Arai (1962); Monterey Bay, California. Chapa (1969).

Opecoelus adsphaericus Manter and Van Cleave, 1951. La Jolla, California; Baja California, Mexico. Intestines. Manter and Van Cleave (1951).

Opegaster cameroni Caballero and Caballero, 1969. Palos Verdes, Laguna Beach, California. Intestines. Caballero and Caballero (1969b).

Podocotyle elongata Park, 1937. Dillon Beach, California. Intestines. Johnson (1949b).

Podocotyle sp. Dillon Beach, California. Intestines, caeca. Edmiston (1971).

Podocotyle californica Park, 1937. Dillon Beach, California. Intestines, caeca. Edmiston (1971).

HEMIURIDAE

Genolinea montereyensis Annereaux, 1947. California. Stomachs. Annereaux (1947).

Genolinea laticauda Manter, 1925. Monterey Bay, California. Stomachs. Nahhas (1960).

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Ceratomyxa obesa Jameson, 1929. California. Monterey. Gallbladders. Jameson (1929).

COTTIDAE - Clinocottus embryum Calico Sculpin

DIGenea

HEMIURIDAE

Derogenes varicus (Müller, 1784) Looss, 1901. Washington. Ching (1960a).

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. Oregon. Hall and Pratt (1969); Washington. Ching (1960a) as L. salmonis.

BUCEPHALIDAE

Gen. and sp. Immature. California. Alimentary canals. Johnson (1949b).

COTTIDAE - Clinocottus globiceps Mosshead SculpinSYNONYM - Blennicottus globiceps

DIGenea

OPECOELIDAE

Podocotyle californica Park, 1937. Dillon's Beach, California.

Lower intestine. Park (1937b).

Podocotyle kofoidi Park, 1937. Dillon's Beach, California.

Intestines. Park (1937b).

Podocotyle elongata Park, 1937. Dillon's Beach, California. Lower intestines. Park (1937b).Podocotyle atomon (Rudolphi, 1802) Odhner, 1905. Oregon. Hall and Pratt (1969).Podocotyle blennicottusi Park, 1937. Oregon. Hall and Pratt (1969); Dillon's Beach, California. Intestines. Park (1937b) as P. pacifica.Podocotyle reflexa (Creplin 1825) Odhner, 1905. Oregon. Hall and Pratt (1969).Podocotyle sp. Dillon's Beach, California. Intestines. Johnson (1949).

HEMIURIDAE

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. Oregon. Hall and Pratt (1969) as L. salmonis.Genolinea laticauda Manter, 1925. Oregon. Hall and Pratt (1969).

ZOOGONIDAE

Zoogonoides viviparus (Olsson, 1868) Odhner, 1902. Oregon. Hall and Pratt (1969).CLUPEIDAE - Clupea harengus harengus Atlantic Herring
and C. h. pallasii, Pacific Herring

Hubbs (pers. comm.) states that the Atlantic (C. h. harengus) and Pacific forms (C. h. pallasii) are treated variously as conspecific or distinct species by different authorities. We have lumped them under a single species with two subspecies. Fish taken from the Bering Sea or Pacific Ocean are C. h. pallasii and those from the Atlantic Ocean, North Sea, Baltic Sea or White Sea are C. h. harengus.

ACANTHOCEPHALA

POLYMORPHIDAE

Corynosoma strumosum (Rudolphi, 1802) Lühe, 1904. Larva. Kamchatka, USSR. Skyrabina (1963); Baltic Sea. Peritoneums. Dollfus (1956).Corynosoma semerme (Forssell, 1904) Lühe, 1911. Larva. Baltic Sea. Body cavities. Dollfus (1956).

Clupea harengus harengus, and C. h. pallasii, continued

RHADINORHYNCHIDAE

Serrasentis sagittifer (Linton, 1889) Linton, 1932. Postlarva.
US Atlantic. Abdomens. Dollfus (1956) as Serrasentis socialis.

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. Baltic Sea. Intestines.
Dollfus (1956); Kamchatka, USSR. Strelkov (1960).

Metechinorhynchus salmonis (Müller, 1784) Petrotchenko, 1956. Finland.
Intestines. Dollfus (1956) as Echinorhynchus s.

Pseudoechinorhynchus clavula (Dujardin, 1845) Petrotchenko, 1956.
Finland. Intestines. Dollfus (1956) as Echinorhynchus c.

Pomphorhynchus laevis (Zoega in Müller, 1776) Van Cleave, 1924. Baltic
Sea. Intestines. Dollfus (1956).

Acanthocephalus lucii? (Müller, 1776) Lühe, 1911. Golvan (1969).

CESTODA

TETRAPHYLLIDEA

Scolex pleuronectis Müller, 1788. Sweden. Digestive tubes.
Dollfus (1956); Sea of Japan. Intestines, gallbladders. Zhukov
(1960a); California. Kunenkeri (1962).

PSEUDOPHYLLIDEA

Gen. and sp. Kamchatka, USSR. Skyrabina (1963).

PHYLLOBOTHRIIDAE

Phyllobothrium sp. Larva. British Columbia. Intestines. Arai (1969b).

BOTHRIOCEPHALIDAE

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808. Massachusetts.
Intestines. Dollfus (1956).

AMPHICOTYLIDAE

Eubothrium crassum (Bloch, 1779). Plerocercoid.
Finland. Stomachs, intestines. Dollfus (1956).

LACISTORHYNCHIDAE

Lacistorhynchus tenuis (Van Beneden, 1858) Dollfus, 1929. Larva.
Massachusetts. Muscles, viscera. Dollfus (1956).

Grillotia erinaceus (Van Beneden, 1858) Guiart, 1927. Larva.
Massachusetts. Stomachs. Dollfus (1956).

COPEPODA

CALIGIDAE

Caligus clemensi Parker and Margolis, 1964. British Columbia.
External. Parker and Margolis (1964); Fraser (1920) as C. gurnardi.

Caligus elongatus Nordmann, 1832. Scotland. Dollfus (1956) as
C. rapax.

Lepeophtheirus pollachius Bassett-Smith, 1896. Scotland. Buccal
cavities. Dollfus (1956).

Clupea harengus harengus, and C. h. pallasii, continued

LERNAEIDAE

Lernaenicus sprattae (Sowerby, 1806). Britain. Dollfus (1956).

ARGULIDAE

Argulus alosae Gould, 1841. Western North Atlantic. Body surfaces. Sindermann (1957).

BOMOLOCHIDAE

Bomolochus cuneatus Fraser, 1920. British Columbia. Fraser (1920).

DIGENEA

HEMIURIDAE

Lecithaster confusus Odhner, 1905. Massachusetts. Linton (1940); North Sea. Yamaguti (1971).

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. Monterey Bay, California. Intestines. Nahhas (1960) as L. salmonis; British Columbia. Intestines. Arai (1969b); Baltic, Scotland, Canada. Dollfus (1956).

Parahemiurus merus (Linton, 1910) Woolcock, 1935. British Columbia. Stomachs, intestines. Arai (1969b); Monterey Bay, California. Nahhas (1960).

Hemiurus levinseni Odhner, 1905. Kamchatka, USSR. Stomachs. Pyloric appendages. Skryabina (1963); Canadian Atlantic. Dollfus (1956); Massachusetts. Linton (1940).

Hemiurus luehei Odhner, 1905. Sweden. Looss (1907a).

Hemiurus appendiculatus (Rudolphi, 1802) Looss, 1899. Canadian Atlantic. Stafford (1904).

Derogenes varicus (Müller, 1784) Lühe, 1901. Britain, New Brunswick. Viscera, muscles. Dollfus (1956); Kamchatka, USSR. Stomachs, intestines. Skryabina (1963).

Brachyphallus crenatus (Rudolphi, 1802) Odhner, 1905. Kamchatka, USSR. Stomachs. Skryabina (1963); Massachusetts. Linton (1940).

Brachyphallus amuriensis Babaskin, 1928. USSR. Yamaguti (1971).

Pronopyge ocreata (Rudolphi, 1802) Looss, 1899. Europe. Stomachs. Yamaguti (1971).

LEPEOCREADIIDAE

Opechona bacillaris (Molin, 1859) Looss, 1907. Britain. Stomachs. Dollfus (1956).

BUCEPHALIDAE

Bucephalopsis gracilescens (Rudolphi, 1819). Sea of Japan. Mesenteries. Zhukov (1960a).

Bucephalus polymorphus Baer, 1827. Yamaguti (1971).

OPECOELIDAE

Podocotyle reflexa (Creplin, 1825) Odhner, 1905. Kamchatka, USSR. Stomachs, intestines, pyloric caeca. Skryabina (1963).

Clupea harengus harengus, and C. h. pallasii, continued

FELLODISTOMIDAE

Pentagramma petrowi (Layman, 1930) Margolis and Ching, 1965. British Columbia. Pyloric caeca, intestines. Margolis and Ching (1965).

HETEROPHYIDAE

Cryptocotyle lingua (Creplin, 1825) Fiscoeder, 1903. Metacercaria. Maine. Skins, muscles. Sindermann and Rosenfield (1954).

RENICOLIDAE

Renicola sp. Metacercaria. North Sea. Pyloric caeca. MacKenzie (1975).

FUNGUS

Ichthyophonus hoferi Plehn and Mulsow, 1911. Gulf of Maine. Throughout bodies. Sindermann and Rosenfield (1954) as Ichthyosporidium h.

MONOGENEA

MAZOCRAEIDAE

Mazocraeoides georgei Price, 1936. Massachusetts. Gills. Price (1961b).

Mazocraes harengi (Van Beneden and Hesse, 1863) Nicoll, 1915. France. Gills. Dollfus (1956).

GYRODACTYLIDAE

Gyrodactylus harengi Malmberg, 1956. Bering Sea, USSR. Gills. Zhukov (1960b); Sweden. Yamaguti (1971).

Gyrodactylus doglieli Zhukov, 1960. Bering Sea. Gills. Zhukov (1960b).

Gyrodactyloides baueri Kulachkova, 1970. White Sea. Nasal cavities. Kulachkova (1970).

Gyrodactyloides petruschewskii Bykhovsky, 1947. Bering Sea. Gills. Zhukov (1960b).

GYRODACTYLOIDEA

British Columbia. Gills, body surfaces. Arai (1969b).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. North Sea. Body cavities. Khalil (1969); British Columbia. Margolis (1952); Kamchatka, USSR. Intestines, abdominal walls, body cavities. Skyrabina (1963).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Adults. Larva. Belgium. Digestive tubes. Dollfus (1956) as Contracecum a.

Terranova decipiens (Krabbe, 1878) Johnston and Mawson, 1945. Larva. US Atlantic. Intestines. Dollfus (1956) as Porrocaecum d.

Terranova sp. Larva. Kamchatka, USSR. Strelkov (1960) as Porrocaecum sp.

Contracecum hypomesi Fujita, 1932. Larva. Japan. Yamaguti (1961).

Clupea harengus harengus, and C. h. pallasii, continued

Contracaecum sp. Larva. British Columbia. Body cavities. Arai (1969b); British Columbia. Mesenteries, livers, stomach walls. Margolis (1952); Japan. Kagei, Sakaguchi, Katamine, Ikeda (1970).
Contracaecum sp.? California. Kunnenkeri (1962).

SPIRURIDAE

Ascarophis pacificus Zhukov, 1960. Kamchatka, USSR. Strelkov (1960).

PROTOZOA (CILIOPHORA)

URCEOLARIIDAE

Trichodina ploveri Zhukov, 1964. Bering Sea, USSR. Gills. Zhukov (1964).

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Ceratomyxa orientalis (Dogiel, 1948) Shulman, 1953. USSR, Sea of Japan. Gallbladders. Kudo and Meglitsch (in prep.).
Ceratomyxa auerbachii Kabata, 1962. North Sea. Gallbladders. Kabata (1962).

CHLOROMYXIDAE

Kudoa clupeiidae (Hahn, 1917) Meglitsch, 1947. Massachusetts. Muscles. Kudo (1920) as Chloromyxum c.

SPHAEROSPORIDAE

Sphaerospora orientalis Shulman and Shulman - Albova, 1953. White Sea. Urinary bladders. Shulman (1955).

PROTOZOA (SARCOMASTIGOPHORA)

HEXAMITIDAE

Hexamita salmonis (Moore, 1922). Sanzin (1965).

PROTOZOA (SPOROZOA)

EIMERIIDAE

Eimeria nishii Fujita, 1934. Japan. Testes. Pellerdy (1965)
 "Probably C. h. pallasii."

Eimeria sardinae (Thélohan, 1890) Reichenow, 1921. North Atlantic. Gonads. Dollfus (1956).

Eimeria clupearum (Thélohan, 1894) Doflein, 1909. North Atlantic. Livers. Dollfus (1956).

SCOMBERESOCIDAE - Cololabis saira Pacific Saury

ACANTHOCEPHALA

POLYMORPHIDAE

Bolbosoma caeniforme (Heitz, 1920). North Pacific. Baeva (1970).

ECHINORHYNCHIDAE

Echinorhynchus qadi Zoega in Müller, 1776. North Pacific. Baeva (1970).

RHADINORHYNCHIDAE

Rhadinorhynchus selkirki Van Cleave, 1921. Japan. Internal. Yamaguti (1963c).

Rhadinorhynchus cololabis Laurs and McCauley, 1964. Oregon. Intestines. Laurs and McCauley (1964).

Rhadinorhynchus trachuri Harada, 1935. Sea of Japan. Baeva (1965a).

CESTODA

TETRABOTHRIIDAE

Priapocephalus sp. Larva. North Pacific. Intestines. Baeva (1965a).

TETRAPHYLLIDEA

Scolex pleuronectis Müller, 1788. North Pacific. Intestines. Baeva (1965a).

PHYLLOBOTHRIIDAE

Gen. and sp. Plerocercoid. Catalina Basin, California. Stomachs, intestines. Collard (1968).

COPEPODA

CALIGIDAE

Caligus macarovi Gussev, 1951. Oregon, Washington, British Columbia. Hughes (1973); Japan. Body surfaces. Shiino (1954a) as C. fulvipureus.

PENNELLIDAE

Pennella sp. Oregon, Washington, British Columbia. Body surfaces. Hughes (1973).

BOMOLOCHIDAE

Bomolochus decapteri Yamaguti, 1936. North Pacific. Baeva (1970).

DIGENEA

HEMIURIDAE

Lecithaster sayori Yamaguti, 1938. North Pacific. Intestines. Baeva (1965a).

Cololabis saira, continued

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. Peter the Great Gulf, USSR. Akhmerov (1955).

Gen. and sp. Catalina Basin, California. Stomachs, intestines. Collard (1968).

Brachyphallus crenatus (Rudolphi, 1802) Odhner, 1905. North Pacific. Baeva (1970).

DINURIDAE

Gen. and sp. North Pacific. Baeva (1970).

DIDYMOZOIDAE

Gen. and sp. Larva. North Pacific. Baeva (1970) as Torticaecum metacercaria, Monilicaecum ventricosum metacercaria.

FELLODISTOMIDAE

Lintonium novikovi Baeva, 1965. North Pacific. Intestines. Baeva (1965a) ["not referable to Lintonium"-Yamaguti (1971)].

NEMATODA

ANISAKIDAE

Anisakis sp. Japan. Guts. Otsuru, Hatsukano, Oyanagi and Kenmotsu (1965); North Pacific. Muscles. Baeva (1965a).

Contracecum fabri (Rudolphi, 1819). North Pacific. Digestive tracts. Baeva (1965a).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. North Pacific. Baeva (1970).

SPIRUROIDEA

Spinitectus sp. North Pacific. Intestines. Baeva (1965a).

PHILOMETRIDAE

Philometra sp. Mediterranean. Body cavities. Nikolaeva and Naidenova (1963).

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Sphaeromyxa parva Dogiel, 1948. Bay of Peter the Great, USSR. Gallbladders. Dogiel (1948).

PROTOZOA (SPOROZOA)

EIMERIIDAE

Eimeria auxidis Dogiel, 1948. Peter the Great Gulf, USSR. Kidneys. Pellerdy (1965).

CORYPHAENIDAE - Coryphaena hippurus Dolphinfish

ACANTHOCEPHALA

RHADINORHYNCHIDAE

Serrasentis sagittifer (Linton, 1889) Linton, 1932. Atlantic.

Yamaguti (1963c) as Serrasentis socialis.

Rhadinorhynchus pristis (Rudolphi, 1802) Lühe, 1911. Curacao.

Cable and Linderoth (1963); Japan. Yamaguti (1963c) as R. katsuwonis.

CESTODA

HEPATOXYLIDAE

Hepatoxylon trichiuri (Holten, 1802) Dollfus, 1942. Postlarva.

Brazil, Azores. Stomachs. Dollfus (1942).

DASYRHYNCHIDAE

Callitetrarhynchus gracilis (Rudolphi, 1819) Pintner, 1931. Pleuro-

cercoid. North Carolina. Stomachs. Dollfus (1942).

TENTACULARIIDAE

Tentacularia coryphaenae Bosc, 1802. Plerocercoid. Florida.

Body cavities. Ward (1954).

Nybelinia bisulcata (Linton, 1889) Dollfus, 1929. Plerocercoid.

Florida. Viscera. Ward (1954).

OTOBOTHRIIDAE

Otobothrium crenacolle Linton, 1890. Larva. North Carolina. Linton

(1924).

TRYPANORHYNCHA

Tetrarhynchus papillosus Rudolphi, 1809. Yamaguti (1959b) [Species

incertae sedis - Yamaguti (1959b)].

COPEPODA

CALIGIDAE

Caligus coryphaenae Steenstrup and Lütken, 1861. Hawaii, Ecuador.

On bodies. Shiino (1963a); Texas. Pearse (1952); Japan. Shiino (1960b); Indian Ocean. Lewis, Dean and Gilfillan (1969).

Caligus constrictus Heller, 1865. Panama. Body surfaces. Wilson (1937a).

Caligus quadratus Shiino, 1954. Indian Ocean. Lewis, Dean and Gilfillan (1969); Japan. Shiino (1959e); Hawaii. Buccal cavities, body surfaces. Lewis (1967).

Caligus productus Dana, 1856. Indian Ocean. Gill cavities. Lewis, Dean and Gilfillan (1969); Gulf of Mexico. Pearse (1952); Eastern Pacific. Shiino (1959d).

Caligus confusus? Pillai, 1961. Panama. Lewis (1968).

EURYPHORIDAE

Euryphorus nordmanni Edwards, 1840. Indian Ocean. Gill cavities.

Lewis, Dean and Gilfillan (1969); Hawaii. Lewis (1967); Ryukyu Island. Kabata and Gusev (1966) as E. nympa.

Coryphaena hippurus, continued

Euryphorus coryphaenae Krøyer, 1863. 1863. Texas. Causey (1953b); Japan. Gills. Yamaguti (1936b).

Elytrophora coryphaena Pearse, 1952. Texas. Inside operculums. Pearse (1952).

LERNAEOPODIDAE

Charopinopsis quaternia (Wilson, 1935) Yamaguti, 1963. South India. Gills. Pillai (1962).

Brachiella coryphaenae Pearse, 1952. Hawaii. Lewis (1967); Texas. Pearse (1952).

LERNAEIDAE

Lernaeicus longiventris Wilson, 1917. Western North America. Flesh. Wilson (1932); Texas. Pearse (1952).

DIGenea

HIRUDINELLIDAE

Hirudinella clavata (Menzies, 1791) Blainville, 1828. Atlantic. Stomachs. Manter (1940b). [= H. marina - Nigrelli and Stunkard (1947)]

Hirudinella ventricosa (Pallas, 1774) Baird, 1853. Gulf of Mexico. Manter (1954b).

Hirudinella marina Garcin, 1730. Florida. Stomachs. Ward (1954).

BATHYCOTYLIDAE

Bathycotyle coryphaenae Yamaguti, 1938. Pacific coast of Japan. Gills. Yamaguti (1938b); Louisiana. Sparks (1958).

HEMIURIDAE

Dinurus barbatus (Cohn, 1902) Looss, 1907. Panama. Stomachs. Manter (1940a); Jamaica-Curacao. Nahhas and Cable (1964).

Dinurus longisinus Looss, 1907. Panama. Stomachs. Manter (1940a); Hawaii. Yamaguti (1970); Bimini. Sogandares-Bernal (1959); Pacific Japan. Stomachs. Yamaguti (1934a) as D. coryphaenae.

Dinurus tornatus (Rudolphi, 1819) Looss, 1907. Atlantic, Brazil, Red Sea. Stomachs. Looss (1907b); Louisiana. Sparks (1958); Jamaica-Curacao. Stomachs. Nahhas and Cable (1964).

Dinurus breviductus Looss, 1907. Louisiana. Sparks (1958); Jamaica-Curacao. Stomachs. Nahhas and Cable (1964).

ACANTHOCOLPIDAE

Stephanostomum coryphaenae Manter, 1947. Brazil. Stomachs, intestines. Travassos, Freitas and Burnheim (1967); Bimini. Rectums. Sogandares-Bernal (1959).

OPECOELIDAE

Helicometrina nimia Linton, 1910. Intestines. Arai (1962).

Opecoeloides sp. Brazil. Intestines. Travassos, Freitas, and Kohn (1969)

Coryphaena hippurus (continued)

ACCACOELIDAE

Tetrochetus coryphaenae Yamaguti, 1934. Louisiana. Sparks (1958); Japan. Yamaguti (1934a); Bimini, Pacific Panama. Rectums. So-gandares-Bernal (1959).

DIDYMOZOIDAE

Gen. and sp. Larva. Gulf of Aden. Intestines. Nikolaeva (1965).

MONOGENEA

CAPSALIDAE

Capsala laevis (Verrill, 1874) Johnston, 1929. Brazil. Price (1938b). Benedenia hendorffi (Linstow, 1889) Odhner, 1905. Chile. Price (1938b).

GASTROCOTYLIDAE

Neothroacocotyle coryphaenae (Yamaguti, 1938) Hargis, 1956. Japan. Gills. Yamaguti (1938b) as Thoracocotyle c.

NEMATODA

ANISAKIDAE

Contraecaecum sp. Larva. Formosa. Myers and Kuntz (1964).

PROTOZOA (MYXOSPORIDA)

CHLOROMYXIDAE

Kudoa sp. Muscles. Lom (1970).

PROTOZOA (SPOROZOA)

ADELEIDAE

Haemogregarina bigemina Laveran and Mesnil, 1901. Bermuda, Florida Keys. Blood. Saunders (1966).

MACROURIDAE - Coryphaenoides sp.

DIGENEA

LEPOCREADIIDAE

Lepidapedon luteum abyssensis McCauley, 1968. Oregon. Intestines. McCauley (1964).

MACROURIDAE - Coryphaenoides acrolepis Pacific RattailSYNONYMS - Hemimacrurus acrolepis, Macrurus acrolepis

COPEPODA

CHONDRACANTHIDAE

Lateracanthus quadripedis Kabata and Gusev, 1966. Aleutian deep. Walls of branchial cavities. Kabata and Gusev (1966).

LERNAEOPODIDAE

Brachiella annulata Markevich, 1940. East of Japan. Buccal cavities. Kabata and Gusev (1966).

DIGENEA

HEMIURIDAE

Dinosoma oregonensis McCauley and Pequegnat, 1968. Oregon. Stomachs. McCauley and Pequegnat (1968).Dinosoma pectoralis McCauley and Pequegnat, 1968. Oregon. Stomachs. McCauley and Pequegnat (1968).

LEPOCREADIIDAE

Lepidapedon luteum abyssensis McCauley, 1968. Oregon. Intestines. McCauley (1968).

MONOGENEA

DISCOCOTYLIDAE

Cyclocotyloides pinguis (Linton, 1940) Price, 1943. Oregon. Gills. mouths. McCauley and Smoker (1969).

PROTOZOA (MYXOSPORIDA)

SPHAEROSPORIDAE

Davisia coryphaenoidia Yoshino and Noble, 1973. San Diego Trough, California. Urinary bladders. Yoshino and Noble (1973); Northern California. Yoshino and Moser (1974).Sinuolinea magna Yoshino and Noble, 1973. San Diego Trough, California. Urinary bladders. Yoshino and Noble (1973).Sinuolinea triangulata Schulman, 1966. Oregon. Urinary bladders. Yoshino and Moser (1974).

WARDIIDAE

Myxoproteus californicus Yoshino and Noble, 1973. San Diego, California. Urinary bladders. Yoshino and Noble (1973); Northern California. Yoshino and Moser (1974).

CERATOMYXIDAE

Ceratomyxa hokarari Meglitsch, 1960. San Diego, California. Gall-bladders. Yoshino and Noble (1973); Northern California. Yoshino and Moser (1974).

Coryphaenoides acrolepis (continued)

Leptotheca minima Meglitsch, 1960. Northern California. Urinary bladders, kidney tubules. Yoshino and Moser (1974).

Leptotheca informis Auerbach, 1910. San Diego, California. Gallbladders. Yoshino and Noble (1973).

PROTOZOA (SARCOMASTIGOPHORA)

CRYPTOBIIDAE

Cryptobia coryphaenoideana Noble, 1969. Mexico. Stomachs. Noble (1968).

-SEE ADDENDUM

MACROURIDAE - Coryphaenoides armatus

SYNONYMS - Malacocephalus abyssorum, Coryphaenoides abyssorum

COPEPODA

CHONDRACANTHIDAE

Chondracanthodes rickettsi Wilson, 1935. California. Gill cavities. Wilson (1935b).

Chondracanthodes deflexus Wilson, 1932. Southern California. Gill cavities. Ho (1970) from Malacocephalus abyssorum. Hubbs (pers. comm.) states that M. abyssorum does not exist and he cannot find any reference to it. He suggests that it may be a gross misstating of C. abyssorum.

PROTOZOA (MYXOSPORIDA)

WARDIIDAE

Myxoproteus abyssus Yoshino and Moser, 1974. Farallon Islands, California. Urinary bladders and ducts. Yoshino and Moser (1974).

MYXIDIIDAE

Myxidium coryphaenoidium Noble, 1966. Oregon, Central California. Gallbladders. Yoshino and Moser (1974).

Zschokkella globulosa Davis, 1917. Oregon, Central California. Urinary bladders and ducts, kidney tubules. Yoshino and Moser (1974).

Zschokkella russelli Tripathi, 1948. Oregon. Urinary bladders. Yoshino and Moser (1974).

CERATOMYXIDAE

Leptotheca minima Meglitsch, 1960. Oregon. Central California. Urinary bladders and ducts, kidney tubules. Yoshino and Moser (1974).

-SEE ADDENDUM

MACROURIDAE - Coryphaenoides filifer

DIGenea

LEPOCREADIIDAE

- Lepidapedon luteum abyssensis McCauley, 1968. Oregon. Intestines.
McCauley (1968).
Lepidapedon yaquina McCauley, 1968. Oregon. Intestines. McCauley
(1968).
Lepidapedon cascadenis McCauley, 1968. Oregon. Intestines. Mc-
Cauley (1968).
Lepidapedon oregonensis McCauley, 1968. Oregon. Intestines.
McCauley (1968).
Lepidapedon filiformis McCauley, 1968. Oregon. Intestines.
McCauley (1968).

HEMIURIDAE

- Gonocerca oregonensis McCauley, Pequegnat and Brownell, 1970.
Oregon. Stomachs. McCauley, Pequegnat and Brownell (1970).

MONOGENEA

DISCOCOTYLIDAE

- Cyclocotyloides pinguis (Linton, 1940) Price, 1943. Oregon,
Aleutian Islands. Gills, mouths. McCauley and Smoker (1969).

PROTOZOA (MICROSPORIDIA)

- Noble and Collard (1970).

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

- Ceratomyxa sp. Noble and Collard (1970).
Leptotheca informis Auerbach, 1910. Oregon. Gallbladders.
Yoshino and Moser (1974).

Coryphaenoides filifer , continued

MYXIDIIDAE

Myxidium coryphaenoidium Noble, 1966. Oregon. Gallbladders. Yoshino and Moser (1974).

Zschokkella russelli Tripathi, 1948. Oregon. Urinary bladders. Yoshino and Moser (1974).

AUERBACHIIDAE

Auerbachia sp. Oregon. Gallbladders. Yoshino and Moser (1974).

SPHAEROSPORIDAE

Sinuolinea triangulata Schulman, 1966. Oregon. Urinary bladders. Yoshino and Moser (1974).

WARDIIDAE

Myxoproteus sp. Noble and Collard (1970).

PROTOZOA (SARCOMASTIGOPHORA)

CRYPTOBIIDAE

Cryptobia sp. Noble and Collard (1970).

-SEE ADDENDUM

MACROURIDAE - Coryphaenoides leptolepis

DIGENEA

LEPOCREADIIDAE

Lepidapedon luteum abyssensis McCauley, 1968. Oregon. Intestines. McCauley (1968).

Lepidapedon yaquina McCauley, 1968. Oregon. Intestines. McCauley (1968).

Lepidapedon cascadenis McCauley, 1968. Oregon. Intestines. McCauley (1968).

Lepidapedon oregonensis McCauley, 1968. Oregon. Intestines. McCauley (1968).

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Leptotheca armatura Yoshino and Moser, 1974. Central California. Urinary bladders and kidney tubules. Yoshino and Moser (1974).

MYXIDIIDAE

Myxidium coryphaenoidium Noble, 1966. Washington, Oregon, Central California. Gallbladders. Yoshino and Moser (1974).

Myxidium orientalis Schulman, 1962. Central California. Gallbladders. Yoshino and Moser (1974).

Coryphaenoides leptolepis, continued

Zschokkella globulosa Davis, 1917. Washington, Oregon, Central California. Urinary bladders and ducts, kidney tubules. Yoshino and Moser (1974).

SPHAEROSPORIDAE

Sinuolinea triangulata Schulman, 1966. Oregon. Urinary bladders. Yoshino and Moser (1974).

MACROURIDAE - Coryphaenoides pectoralis

SYNONYM - Albatrossia pectoralis

COPEPODA

LERNAEOPODIDAE

Brachiella nitida Wilson, 1915. Northern Pacific. Mouths. Wilson (1935).

DIGENEA

HEMIURIDAE

Dinosoma oregonensis McCauley and Pequegnat, 1968. Oregon. Stomachs. McCauley and Pequegnat (1968).

Dinosoma pectoralis McCauley and Pequegnat, 1968. Oregon. Stomachs. McCauley and Pequegnat (1968).

Gonocerca oregonensis McCauley, Pequegnat and Brownell, 1970. Oregon. Stomachs. McCauley, Pequegnat and Brownell (1970).

Gonocerca oshoro Shimazu, 1970. Gulf of Alaska. Ovaries. Shimazu (1970).

MONOGENEA

DICLIDOPHORIDAE

Cyclocotyloides pinguis (Linton, 1940) Price, 1943. Northwest Pacific. Mouths. Linton (1940) as Dictidophora p.; Oregon, Alaska. McCauley and Smoker (1969).

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Leptotheca armatura Yoshino and Moser, 1974. Washington, California. Urinary bladders, kidney tubules. Yoshino and Moser (1974).

Leptotheca informis Auerbach, 1910. Washington, Central and Northern California. Gallbladders. Yoshino and Moser (1974).

AUERBACHIIDAE

Auerbachia sp. Central California. Gallbladders. Yoshino and Moser (1974).

Coryphaenoides pectoralis (continued)

SPHAEROSPORIDAE

Davisia coryphaenoidia Yoshino and Noble, 1973. Washington. Kidney tubules. Yoshino and Moser (1974).

Davisia pectoralis Moser and Noble, 1975. Northern California. Urinary bladders, kidney tubules. Moser and Noble (1975).

Sinuolinea magna Yoshino and Noble, 1973. Northern California. Urinary bladders. Yoshino and Moser (1974).

WARDIIDAE

Myxoproteus californicus Yoshino and Noble, 1973. Washington, Northern California. Urinary bladders, kidney tubules. Yoshino and Moser (1974).

-SEE ADDENDUM

GOBIIDAE - Coryphopterus nicholsi Blackeye Goby

CESTODA

PHYLLOBOTHRIIDAE

Phyllobothrium sp. Larva. British Columbia. Intestines. Arai (1969b).

DIGenea

HEMIURIDAE

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia. Intestines. Arai (1969b).

NEMATODA

ANISAKIDAE

Contracaecum sp. Larva. British Columbia. Body cavities. Arai (1969b).

GONOSTOMATIDAE - Cyclothone acclinidens Benttooth Bristlemouth

NEMATODA

ANISAKIDAE

Paranisakis sp. Larva. Santa Cruz Basin, California. Cysts in mesenteries. Collard (1968).

EMBIOTOCIDAE - Cymatogaster aggregata Shiner Surfperch

ACANTHOCEPHALA

POLYMORPHIDAE

Corynosoma sp. Juvenile. British Columbia. Body cavities. Arai (1969b).

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. British Columbia. Intestines. Arai (1969b).

CESTODA

LACISTORHYNCHIDAE

Lacistorhynchus tenuis (Van Beneden, 1958) Dollfus, 1929. Pleurocercoid. San Diego, California. Young (1954).

PHYLLOBOTHRIIDAE

Phyllobothrium sp. Larva. British Columbia. Digestive tracts. Arai (1969b).

AMPHICOTYLIDAE

Eubothrium sp. Larva. British Columbia. Arai (1967).

TETRAPHYLLIDEA

Gen. and sp. Red pigmented pleurocercoid. Southern California. Intestines, pyloric caeca. Kunnenkeri (1962).

COPEPODA

LERNAEOCERIDAE

Haemobaphes diceraus Wilson, 1917. British Columbia. Gill arches. Kabata (1967); British Columbia. Gills. Arai (1969b).

BOMOLOCHIDAE

Bomolochus cuneatus Fraser, 1920. British Columbia. Gills. Vervoort and Arai (1966) as Parabomolochus c.

PHILICHTHYIDAE

Colobomatus embiotocae Noble, Collard and Wilkes, 1969. Goleta, California. Under skin covering cheek ridges, around eyes, in cephalic sensory canal systems. Noble, Collard and Wilkes (1969).

ARGULIDAE

Argulus pugettensis Dana, 1852. California. Wilson (1924); British Columbia. Bere (1930).

ERGASILIDAE

Ergasilus turgidus Fraser, 1920. British Columbia. Gills. Arai (1969b); British Columbia. Gill filaments. Fraser (1920).

Cymatogaster aggregata (continued)

DIGenea

Diplangidae

Diplangus macrovitellus (Winter, 1954) Winter, 1960. Santa Monica Bay, California. Intestines. Winter (1959) as Proctoces m.

Zoogonidae

Neozoogonus californicus Arai, 1954. California. Intestines. Arai (1954); British Columbia. Digestive tracts. Arai (1969b).

Opecoelidae

Genitocotyle acirra Park, 1937. California. Arai (1967) as G. acirrus; Tomales and Bodega Bays, California. Rodella and Nahhas (1969) as G. acirrata.

Pseudopecoelus umbrinae Manter and Van Cleave, 1951. California. Arai (1967).

Acanthocolpidae

Stephanostomum sp. Immature. Tomales and Bodega Bays, California. Rodella and Nahhas (1969).

Stephanostomum casum (Linton, 1910) McFarlane, 1936. Immature. Tomales Bay, California. Chapa (1969) ["Probably immature forms of this species." - Chapa (1969)].

Heterophyidae

Galactosomum sp. Larva. British Columbia. Gills (encysted). Arai (1969b).

Hemiuridae

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia. Digestive tracts. Arai (1969b); Washington. Ching (1960a) as L. salmonis.

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. British Columbia. Digestive tracts. Arai (1969b).

Monorchidae

Telolecithus pugetensis Lloyd and Guberlet, 1932. British Columbia. McFarlane (1936); Washington. Lloyd and Guberlet (1932); British Columbia. Digestive tracts. Arai (1969b); Tomales and Bodega Bays, California. Rodella and Nahhas (1969).

Postmonorchis donacis Young, 1953. Mission Bay, California. Guts. Young (1953).

Isozoa

Cymothoidae

Livoneca californica Schioedte and Meinart, 1884. British Columbia. Gill chambers. Arai (1969b).

Cymatogaster aggregata(continued)

MONOGENEA

GYRODACTYLIDAE

Gyrodactylus aggregata Mizelle and Kritsky, 1967. Bodega Bay, California. Skins. Mizelle and Kritsky (1967b).

Gyrodactylus sp. British Columbia. Arai (1967).

Archigyrodactylus archigyrodactylus Mizelle and Kritsky, 1967. Bodega Bay, California. Gills. Mizelle and Kritsky (1967b).

GYRODACTYLOIDEA

Gen. and sp. British Columbia. Gills, body surfaces. Arai (1969b).

CAPSALIDAE

Encotyllabe embiotocae Noble, 1966. Santa Barbara, California. Tongues. Noble (1966b).

NEMATODA

CUCULLANIDAE

Cucullanellus kanabus Walder and Arai, 1974. Departure Bay, British Columbia. Intestines. Walder and Arai (1974).

Cucullanus sp. British Columbia. Digestive tracts. Arai (1967).

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Arai (1967).

Contracecum sp. Larva. British Columbia. Body cavities. Arai (1969b).

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Myxidium oviforme Parisi, 1912. Monterey, California. Gallbladders. Jameson (1929).

SCIAENIDAE - Cynoscion nobilis White Seabass

COPEPODA

CALIGIDAE

Lepeophtheirus longiabdominalis Shiino, 1960. La Jolla, California. Exteriors. Shiino (1960c).

Lepeophtheirus thompsoni Baird, 1950. La Jolla, California. Exteriors. Wilson (1908a); many places in Mexico. Causey (1960).

LERNAEOPODIDAE

Brachiella gracilis Wilson, 1908. La Jolla, California. Mouths. Wilson (1908a).

Cynoscion nobilis, continued

DIGenea

PLEORCHIIDAE

Pleorchis magniporus Arai, 1962. Bahia Magdalena, Baja California, Mexico. Intestines. Arai (1962).

Pleorchis californiensis Manter and Van Cleave, 1951. La Jolla, California. Intestines. Manter and Van Cleave (1951).

MONOGENEA

Gen and sp. Eastern Pacific. Kunnenkeri and Martin (1963).

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Ceratomyxa venusta Jameson, 1931. San Pedro, California. Gallbladders. Jameson (1931).

SCIAENIDAE - Cynoscion parvipinnis Shortfin Corvina

DIGenea

CALLODISTOMIDAE

Diplangus mexicanus Bravo-Hollis and Manter, 1957. Bahia Magdalena, Baja California, Mexico. Intestines and pyloric caeca. Arai (1962).

PLEORCHIIDAE

Pleorchis magniporus Arai, 1962. Baja California, Mexico. Intestines. Arai (1962).

SCIAENIDAE - Cynoscion xanthulus Orangemouth Corvina

MONOGENEA

DICLIDOPHORIDAE

Bravocotyle sanbllassensis Lamothe-Argumedo, 1967. San Blas, Mexico. Branchial arches. Lamothe-Argumedo (1967a).

EXOCOETIDAE - Cypselurus californicus California Flyingfish

MONOGENEA

AXINIDAE

Axine cypseluri (Meserve, 1938) Sproston, 1946. Santa Catalina Island, California. Gills. Winter (1955).

EMBIOTOCIDAE - Damalichthys vacca Pile SurfperchSYNONYMS - Rhacochilus vacca, Damalichthys argyrosomus

COPEPODA

BOMOLOCHIDAE

Bomolochus cuneatus Fraser, 1920. British Columbia. Kabata (1971).

PHILICHTHYIDAE

Colobotamus embiotocae Noble, Collard and Wilkes, 1969. Malibu, California. Under skin covering cheek ridge, around eyes, in cephalic sensory canal systems. Noble, Collard and Wilkes (1969).

CALIGIDAE

Caligus hobsoni Cressey, 1969. La Jolla, California. Hobson (1971).
Lepeophtheirus sp. Oregon. Wares (1971).

LERNAEOPODIDAE

Clavella sp. Oregon. Gill filaments. Wares (1971).

DIGenea

ZOOGONIDAE

Neozogonus californicus Arai, 1954. Intestines. Arai (1962).

DIPLANGIDAE

Diplangus macrovitellus (Winter, 1956) Winter, 1960. California. Arai (1967) as Proctoeces m.

MONORCHIIDAE

Telolecithus pugetensis Lloyd and Guberlet, 1932. California. Arai (1967); Oregon. Digestive tracts. Wares (1971).

OPECOELIDAE

Genitocotyle acirra Park, 1937. La Jolla, California. Intestines. Manter and Van Cleave (1951) as G. acirrus.

BUCEPHALIDAE

Prosorhynchus sp. Metacercaria. Oregon. Internal organs. Wares (1971)Rhipidocotyle sp. Metacercaria. Oregon. Internal organs. Wares (1971).Bucephalopsis sp. Metacercaria. Oregon. Internal organs. Wares (1971).

HEMIURIDAE

Derogenoides sp. Immature. Oregon. Livers. Wares (1971).

NEMATODA

CUCULLANIDAE

Cucullanus sp. Oregon. Digestive tracts. Wares (1971).

Damalichthys vacca, continued

PROTOZOA (MYXOSPORIDA)

MYXIIDAE

Myxidium oviforme Parisi, 1912. Monterey, California. Gallbladders.
Jameson (1929).

Myxosporidian cysts. Oregon. Wares (1971).

-SEE ADDENDUM

DASYATIDAE - Dasyatis violacea Pelagic Stingray

SYNONYM - Dasyatis dipterura

CESTODA

ONCOBOTHRIIDAE

Acanthobothrium crassicolle Wedl, 1855. France. Euzet (1956).

Acanthobothrium filicolle (Zschokke, 1887) Beauchamp, 1905. France.
Euzet (1956).

Acanthobothrium benedeni Lönnberg, 1889. Mediterranean. Williams
(1969).

PHYLLOBOTHRIIDAE

Rhinebothrium palombi Baer, 1948. France. Euzet (1956).

TETRAGONOCEPHALIDAE

Tetragonocephalum trygonis Shipley and Hornell, 1905. France.
Euzet (1956).

DIGENEA

GORGODERIDAE

Probolitrema californiense Stunkard, 1935. California. Coeloms.
Johnson (1949).

MONOGENEA

CAPSALIDAE

Entobdella diadema (Monticelli, 1902) Johnston, 1929. Mediterranean.
Yamaguti (1963b).

CRYPTACANTHODIDAE - Delolepis giganteus Giant Wrymouth

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808. British
Columbia. Pyloric caeca, intestines. Margolis (1952).

Delolepis giganteus, continued

NEMATODA

ANISAKIDAE

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. British Columbia. Stomachs, intestines. Margolis (1952) as Contra-caecum a.

Anisakis sp. Larva. British Columbia. In mesenteries, etc. Margolis (1952).

MYCTOPHIDAE - Diaphus theta California Headlightfish

CESTODA

TETRAPHYLLIDEA

Gen. and sp. Larva. Catalina Basin and Santa Barbara Basin, California. Intestines. Collard (1968).

PSEUDOPHYLLIDEA

Gen. and sp. Larva. Catalina Basin and Santa Barbara Basin, California. Intestines, colons/rectums, pyloric caeca. Collard (1968).

COPEPODA

LERNAEIDAE

Cardiodectes medusaeus (Wilson, 1908) Yamaguti, 1963. Catalina Basin and Santa Barbara Basin, California. Hearts. Collard (1968).

Intermediate Stage

Santa Cruz Basin, California. Dorsal fins. Collard (1968).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. Catalina Basin, Catalina. Pyloric caeca. Collard (1968).

Contraecum sp. Larva. Catalina Basin, California. Pyloric caeca, coeloms, mesenteries. Collard (1968).

-SEE ADDENDUM

DIODONTIDAE - Diodon hystrix Spotted Porcupinefish

COPEPODA

TUCCIDAE

Tucca impressus Krøyer, 1837. West Indies. Exteriors. Wilson (1932).

Diodon hystrix, continued

LEPOCREADIIDAE

Bianium plicatum (Linton, 1928) Stunkard, 1930. Gulf of Panama.
Intestines. Sogandares - Bernal (1959) as Diploprotodaeum.

NAOBRANCHIDAE

Naobranchia wilsoni Nigrelli, 1933. New York Aquarium. Gills.
Nigrelli (1935).

CRUSTACEA

LEPADIDAE

Conchoderma virgatum (Spengler, 1790). India. External surfaces.
Balakrishnan (1969).

DIGenea

OPISTHOLEBETIDAE

Opistholebes diodontis Cable, 1956. Puerto Rico. Intestines.
Cable (1956); Hawaii. Intestines. Manter and Pritchard (1962).

Opistholebes cotylophorus Ozaki, 1935. Hawaii. Intestines.
Manter and Pritchard (1962).

Heterolebes maculosus Ozaki, 1935. Hawaii. Intestines. Manter and
Pritchard (1962).

ACCOCOELIIDAE

Tetrochetus coryphaenae Yamaguti, 1934. Jamaica. Intestines.
Nahhas and Cable (1964).

MICROPHALLIDAE

Pseudomegalophallus diodontis (Siddigi and Cable, 1960) Yamaguti, 1971.
Puerto Rico. Intestines. Siddigi and Cable (1960) as Megalophallus d.

FELLODISTOMIDAE

Megalomyzon robustum Manter, 1947. Puerto Rico. Stomachs. Siddigi
and Cable (1960).

SCLERODISTOMATIDAE

Sclerodistomum bravoae Pritchard, 1963. Hawaii. Pritchard (1963).

Sclerodistomum diodontus Yamaguti, 1942. Curacao. Stomachs.
Nahhas and Cable (1964).

Sclerodistomum sphaeroides Manter, 1947. Curacao, Jamaica. Stomachs.
Nahhas and Cable (1964).

LEPOCREADIIDAE

Pseudocreadium diodontis (Nahhas and Cable, 1964) Yamaguti, 1971.
Curacao and Jamaica. Intestines. Nahhas and Cable (1964) as
Diploproctodaeum d.

NEMATODA

ANISAKIDAE

Raphidascaroides diadonis (Thwaite, 1927) Olsen, 1952. South India.
Baylis (1936) as Raphidascaaris d.

Diodon hystrix, continued

PROTOZOA (CILIOPHORA)

OPHRYOGLENIDAE

Cryptocaryon irritans Brown, 1951. New York Aquarium. Body surfaces.
Nigrelli and Ruggieri (1966).

CLUPEIDAE - Dorosoma petenense Threadfin Shad

ACANTHOCEPHALA

NEOECHINORHYNCHIDAE

Tanaorhamphus longirostris (Van Cleave, 1913) Ward, 1918. Oklahoma.
Hopkins (1966).

Gracilisentis gracilisentis (Van Cleave, 1913) Van Cleave, 1919.
Oklahoma. Hopkins (1966).

COPEPODA

ERGASILIDAE

Ergasilus clupeidarum Johnson and Rogers, 1972. Alabama. Gill
filaments. Johnson and Rogers (1972).

DIGenea

CLINOSTOMIDAE

Clinostomum marginatum (Rudolphi, 1819) Leidy, 1856. Southern
California. Skin, muscles, coelom, mesenteries, orbit of eyes.
Miller, Olson and Miller (1973).

NEMATODA

ANISAKIDAE

Contracaecum sp. Juveniles. Oklahoma. Hopkins (1966).

CAMALLANIDAE

Camallanus sp. Juvenile. Oklahoma. Hopkins (1966).

PROTOZOA (CILIOPHORA)

URCEOLARIIDAE

Trichodina microdenticulata Wellborn, 1967. Louisiana. Body
surfaces. Wellborn (1967).

PROTOZOA (SARCOMASTIGOPHORA)

CRYPTOBIIDAE

Cryptobia sp. California. Hoffman (1967).

ECHENEIDAE - Echeneis naucrates Sharksucker

ACANTHOCEPHALA

RHADINORHYNCHIDAE

- Rhadinorhynchus tenuicornis (Linton, 1891) Van Cleave, 1918.
Woods Hole, Massachusetts. Cable and Linderoth (1963).
Gorgorhynchus medius (Linton, 1908) Chandler, 1934. Parukhin (1970)
as G. gibberum.
Serrasentis sagittifer (Linton, 1889) Linton, 1932. South China
Sea. Parukhin (1967) as S. socialis.

CESTODA

TENTACULARIDAE

- Nybelinia robusta (Linton, 1890) Dollfus, 1930. Larva. Massa-
chusetts. Stomachs. Linton (1924) as Tetrarhynchus r.
Tentacularia coryphaenae Bosc, 1802. Postlarva. Massachusetts.
Encapsulated in stomachs, mesenteries. Linton (1924) as Tetra-
rharhynchus bicolor.

COPEPODA

CALIGIDAE

- Lepeophtheirus longipes Wilson, 1905. Africa. Barnard (1955).
Tuxophorus caligodes Wilson, 1908. North Carolina. Wilson (1908b);
Gulf of Mexico. Exteriors. Bere (1936).
Caligus praetextus Bere, 1936. Gulf of Mexico. May be in mouths,
branchial cavities, outer surfaces. Bere (1936) from "Sucking
fish," likely E. naucrates.

ARGULIDAE

- Argulus varians Bere, 1936. Gulf of Mexico. Bere (1936).

DIGenea

ACANTHOCOLPIDAE

- Tormopsolus echenei Parukhin, 1966. Gulf of Tonkin. Intestines.
Parukhin (1966a).
Stephanostomum imparispine (Linton, 1905) Manter, 1940. South
China Sea. Parukhin (1967).

HEMIURIDAE

- Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. South
China Sea. Parukhin (1967).
Sterrhurus floridensis Manter, 1934. Tortugas, Florida. Stomachs.
Manter (1934).
Lecithochirium monticellii (Linton 1898) Crowcroft, 1946. Woods
Hole, Massachusetts. Stomachs. Linton (1940) as Sterrhurus m.
Parahemiurus merus (Linton, 1910) Woolcock, 1935. Jamaica. Stomachs.
Nahhas and Cable (1964).

Echeneis naucrates, continued

LEPOCREADIIDAE

Echeneidocoelium indicum Simha and Pershad, 1964. Bay of Bengal, India. Intestines. Madhavi (1970).

DIDYMOZOIDAE

Didymozoides sp. Larva. Red Sea. Gill cavities. Nikolaeva (1965).

MONOGENEA

DIONCIDAE

Dioncus remorae (MacCallum, 1916) Price, 1938. New York Aquarium. Gills. MacCallum (1916) as Acanthodiscus remorae; West Indies. Johnston and Tiegs (1922) as Dionchotrema r.; Australia. Young (1970); South Atlantic. Parukhin (1968).

Dioncus agassizi Goto, 1899. Waltair, India. Gills. Rao and Madhavi (1967).

NEMATODA

SPIRUROIDEA

Spinitectus echenei Parukhin, 1967. South China Sea. Parukhin (1967).

TRICHURIDAE

Capillaria echenei Parukhin, 1967. South China Sea. Parukhin (1967).

ANISAKIDAE

Raphidascaris sp. South China Sea. Parukhin (1967).

SPIRURIDAE

Ascarophis sp. South China Sea. Parukhin (1967).

CAMALLANIDAE

Spirocamallanus olseni Campana-Rouget and Razarihelissoa. 1965. Sea of Nossi-Bé. Stomachs. Campana-Rouget and Razarihelissoa (1965).

EMBIOTOCIDAE - Embiotoca jacksoni Black Surfperch

DIGENEA

ZOOGONIDAE

Neozoogonus californicus Arai, 1954. Newport and Morro Bays, California. Intestines. Arai (1954); Tomales and Bodega Bays, California. Rodella and Nahhas (1969).

Embiotoca jacksoni, continued

MONORCHIIDAE

Postmonorchis donacis Young, 1953. La Jolla, California. Intestines.
Young (1953).

Telolecithus pugetensis Lloyd and Guberlet, 1932. California.
Arai (1967).

ACANTHOCOLPIDAE

Stephanostomum dentatum (Linton, 1900) Linton, 1940. Santa Monica
and Morro Bays, California; Bahia Magdalena, Baja California,
Mexico. Intestines. Arai (1962); California. Linton (1940).

DIPLANGIDAE

Diplangus paxillus Linton, 1910. California. Arai (1967).

FELLODISTOMIDAE

Diplangus macrovitellus (Winter, 1954) Winter, 1960. California.
Arai (1967) as Proctoeces m.

OPECOELIDAE

Helicometrina nimia Linton, 1910. La Jolla, California. Intestines.
Montgomery (1957).

EMBIOTOCIDAE - Embiotoca lateralis Striped Surfperch

SYNONYM - Taeniotoca lateralis

COPEPODA

LERNAEOPODIDAE

Clavella parva Wilson, 1912. Nanaimo, British Columbia. Wilson
(1912b).

ARGULIDAE

Argulus pugetensis Dana, 1852. Nanaimo, British Columbia. External.
Wilson (1912b).

PHILICHTHYIDAE

Colobomatus embiotocae Noble, Collard and Wilkes, 1969. Pt. Conception,
California. Under skin covering cheek ridges, around eyes, in
cephalic sensory canal systems. Noble, Collard and Wilkes (1969).

DIGenea

ZOOGONIDAE

Neozoogonus californicus Arai, 1954. Intestines. Arai (1962);
Tomales and Bodega Bays, California. Rodella and Nahhas (1969).

Embiotoca lateralis, continued

MONORCHIIDAE

Telolecithus pugetensis Lloyd and Guberlet, 1932. Oregon. Pratt and McCauley (1961); California. Arai (1967).

DIPLANGIDAE

Diplangus macrovitellus (Winter, 1954) Winter, 1960. Tomales and Bodega Bays, California. Rodella and Nahás (1969).

HEMIURIDAE

Sterrhurus exodicus (McFarlane, 1936) Yamaguti, 1958. Tomales Bay, California. Stomachs. Chapa (1969) as Separogermiductus e.

OPECOELIDAE

Genitocotyle acirra Park, 1937. Dillon Beach, California. Intestines. Gale (1947) as G. acirrus; Oregon. Pratt (1970).
Helicometrina nimia Linton, 1910. Tomales Bay, California. Intestines. Chapa (1969).

-SEE ADDENDUM

ENGRAULIDAE - Engraulis mordax Northern Anchovy

CESTODA

TENTACULARIIDAE

Nybelinia sp. Larva. San Diego, California. Coeloms. Mizrahi (1970).

TETRAPHYLLIDEA

Gen. and sp. Red pigmented pleurocercoid. Southern California. Intestines, pyloric caeca. Kunenkeri (1962).

COPEPODA

CALIGIDAE

Caligus klawei Shiino, 1959. San Diego, California. External on sides. Shiino (1959b).

Caligus bonito Wilson, 1905. San Diego, California. Externals. Mizrahi (1970) as C. kuroshio.

DIGenea

DIDYMOZOIDAE

Gen. and sp. Larva. San Diego, California. Coeloms - viscera. Mizrahi (1970) as Torticaecum fenestratum.

HEMIURIDAE

Parahemiurus merus (Linton, 1910) Woolcock, 1935. San Diego. Intestines. Mizrahi (1970).

Engraulis mordax, continued

ISOPODA

CYMOTHOIDAE

Livoneca californica Schioedte and Meinert, 1884. San Diego, California. Gill chambers. Mizrahi (1970).

Nerocila californica Schioedte and Meinert, 1881. San Diego, California. Gill chambers. Mizrahi (1970).

MONOGENEA

DICLIDOPHORIDAE

Cyclobothrium sp. San Diego, California. Gill chambers. Mizrahi (1970).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. San Diego, California. Coeloms. Mizrahi (1970).

Contracaecum sp. Larva. San Diego, California. Coeloms. Mizrahi (1970).

Raphidascaris sp. Larva. San Diego, California. Coeloms. Mizrahi (1970).

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Sphaeromyxa reinhardti Jameson, 1929. Monterey, California. Gall-bladders. Jameson (1929).

PROTOZOA (SPOROZOA)

EIMERIIDAE

Eimeria clupearum (Thélohan, 1894) Doflein, 1908. San Diego, California. Livers and other visceral organs. Mizrahi (1970).

COTTIDAE - Enophrys bison Buffalo Sculpin

SYNONYM - Aspicottus bison, Endophrys bison

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808. British Columbia. Pyloric caeca. Wardle (1932).

Enophrys bison, continued

COPEPODA

CALIGIDAE

Lepeophtheirus parviventris Wilson, 1905. British Columbia.
Fraser (1920); good drawing. Kabata (1973).

CHONDRACANTHIDAE

Chondracanthus irregularis Fraser, 1920. British Columbia.
Gill cavities. Kabata (1968); Fraser (1920)

DIGenea

OPECOELIDAE

Podocotyle enophrysi Park, 1937. Dillon Beach, California.
Intestines, stomachs. Park (1937b) as P. endophrysi.
Podocotyle californica Park, 1937. Dillon Beach, California.
Intestines, caeca. Edmiston (1971).

BUCEPHALIDAE

Prosorhynchus squamatus Odhner, 1905. Oregon. Pratt and McCauley
(1961).

HEMIURIDAE

Genolinea laticauda Manter, 1925. Oregon. McCauley (1960).
Genolinea manteri Lloyd, 1938. Oregon. McCauley (1960).
Intuscirrus aspicotti Acena, 1947. Washington. Stomachs.
Acena (1947).
Tubulovesicula lindbergi (Laymann, 1930) Yamaguti, 1934. Oregon.
Stomachs. McCauley (1960); California. Park (1936) as I.
californica.

PROTOZOA (CILIOPHORA)

URCEOLARIIDAE

Trichodina domerguei subsp. domerguei Haider, 1964. Washington.
Gills. Lom (1970b).

PLEURONECTIDAE - Eopsetta jordani Petrale Sole

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. British Columbia.
Intestines. Margolis (1952).

Eopsetta jordani, continued

POLYMORPHIDAE

Corynosoma strumosum (Rudolphi, 1802) Lühe, 1904. Juvenile. Vancouver Island, British Columbia. Encysted in livers. Margolis (1952).

CESTODA

PHYLLOBOTHRIDAE

Phyllobothrium caudatum (Zschokke and Heitz, 1914). Larva. British Columbia. Livers. Margolis (1952) as P. ketae.

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Postlarva. British Columbia. Stomach walls. Margolis (1952).

COPEPODA

CALIGIDAE

Lepeophtheirus parviventris Wilson, 1905. British Columbia. Kabata (1973).

Caligus pectinatus Shiino, 1965. San Diego, California. External body surfaces. Shiino (1965b).

DIGenea

AZYGIIDAE

Otodistomum veliporum (Creplin, 1837) Stafford, 1904. Metacercaria. British Columbia. Cysts in connective tissue of stomach walls. Margolis (1952).

OPECOELIDAE

Podocotyle gibbonsiae Johnson, 1949. Puget Sound, Washington. Intestines. Aldrich (1960).

Podocotyle sp. British Columbia. Pyloric caeca. Margolis (1952) as P. wilsoni.

HEMIURIDAE

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. British Columbia. Stomachs. Margolis and Boyce (1969).

Sterrhurus exodicus (McFarlane, 1936) Yamaguti, 1958. Monterey Bay, California. Stomachs. Nahhas (1960); British Columbia. Margolis (1952) as Lecithochirium exodicum.

MONOGENEA

CAPSALIDAE

Entobdella squamula (Heath, 1902) Johnston, 1929. Vancouver Island, British Columbia. Fins, skin. Margolis (1952).

Eopsetta jordani, continued

NEMATODA

ANISAKIDAE

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. British Columbia. Stomachs, intestines. Margolis (1952).

Contracaecum sp. Larva. British Columbia. Mesenteries, livers, stomachs. Margolis (1952).

Anisakis sp. Larva. British Columbia. Many places in bodies. Margolis (1952).

PROTOZOA (MYXOSPORIDA)

CHLOROMYXIDAE

Kudoa sp. Washington. Muscles. Patashnik and Groninger (1964).

SERRANIDAE - Epinephelus analogus Spotted Cabrilla

DIGenea

LEPOCREADIIDAE

Lepidapedon epinepheli Bravo-Hollis and Manter, 1957. Puerto Vallarta, Mexico. Pyloric caeca, intestines. Bravo-Hollis and Manter (1957).

Lepidapedon hancocki Manter, 1940. Sinaloa, Mexico. Intestines. Yamaguti (1971).

BUCEPHALIDAE

Prosorhynchus pacificum Manter, 1940. Mexico. Caeca. Winter (1959).

Prosorhynchus gonoderus Manter, 1940. Pacific Panama. Intestines. Sogandares-Bernal (1959).

Prosorhynchus ozakii Manter, 1934. Pacific Panama. Intestines. Sogandares-Bernal (1959).

OPECOELIDAE

Helicometrina nimia Linton, 1910. Pacific Panama. Pyloric caeca. Sogandares-Bernal (1959).

MONOGENEA

CAPSALIDAE

Trochopus pseudomarginatus Bravo-Hollis, 1957. Puerto Vallarta, Mexico. Gills. Bravo-Hollis (1957).

SERRANIDAE - Epinephelus niveatus Snowy Grouper

DIGenea

BUCEPHALIDAE

Prosorhynchus osakii Manter, 1934. Tortugas, Florida. Intestines.
Manter (1934).

ACANTHOCOLPIDAE

Stephanostomum microstephanum Manter, 1934. Tortugas, Florida.
Intestines. Manter (1934).

LEPOCREADIIDAE

Lepidapedon nicolli Manter, 1934. Florida. Intestines. Yamaguti
(1971).

MYXINIDAE - Eptatretus stoutii Pacific Hagfish

MYXOSPORIDA

CERATOMYXIDAE

Ceratomyxa californica Jameson, 1929. Monterey, California. Gall-
bladders. Jameson (1929).

Leptotheca galeata (Jameson, 1929) Kudo, 1933. Monterey, California.
Gallbladders. Jameson (1929) as Ceratomyxa g.

SQUALIDAE - Euprotomicrus bispinatus Pygmy Shark

CESTODA

SPHYRIOCEPHALIDAE

Sphyriocephalus sp. North Central Pacific, Indian Ocean, South
Pacific. Stomachs. Dollfus (1967).

SCOMBRIDAE - Euthynnus affinis Wavyback SkipjackSYNONYMS - Thunnus thynnina, Thynnus thynnina

Three references below, marked by asterisks, refer to references to Thunnus or Thynnus thynnina. Hubbs (pers. comm.) states that T. thynnina is now two species of Euthynnus, E. affinis and E. lineatus. However, the three references are all from the Red Sea, where only E. affinis is found.

Euthynnus affinis, continued

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Neorhadiorhynchus nudus (Harada, 1938) Yamaguti, 1939. South China Sea. Intestines. Mamaev (1968b) as Echinorhynchus nudus.

RHADINORHYNCHIDAE

Serrasentis sagittifer (Linton, 1889) Linton, 1932. South China Sea. Stomachs. Mamaev (1968b) as S. socialis.

CESTODA

DASYRHUNCHIDAE

Callotethrarhynchus gracilis (Rudolphi, 1819) Pintner, 1931. South China Sea. Intestines, livers. Mamaev (1968b).

COPEPODA

CALIGIDAE

Caligus asymmetricus Kabata, 1965. South India. Pillai (1963) as C. thynni.

Caligus productus Dana, 1853. Indian Ocean. Lewis (1967).

Caligus krishnai (Pillai, 1963) Thomas, 1967. India. Gills. Thomas (1967).

DICHELESTHIIDAE

Pseudocycnus appendiculatus Heller, 1865. South India. Gills. Pillai (1964).

DIGENEA

SANGUINICOLIDAE

Cardicola congruenta Lebedev and Mamaev, 1968. South China Sea. Vascular systems. Lebedev and Mamaev (1968).

DIDYMOZOIDAE

Oesophagocystis dissimilis (Yamaguti, 1938) Yamaguti, 1970.

South China Sea. Inner wall of esophagus. Mamaev (1968b).

Yamaguti (1971) states that Mamaev's figures of O. dissimilis do not agree with his.

Metanematobothrium bivitellatum Mamaev, 1968. South China Sea. Gills. Mamaev (1968b).

Nematobothrium sp. South China Sea. Gills, livers, body cavities. Mamaev (1968b).

RHIPIDOCOTYLE

Rhipidocotyle pentagonum (Ozaki, 1924) Ekmann, 1932. South China Sea. Stomachs. Mamaev (1968b).

Euthynnus affinis, continued

HEMIURIDAE

- *Sterrhurus imocavus Looss, 1907. Egypt. Looss (1907a); South China Sea. Stomachs. Mamaev (1968b) as Lecithochirium i.
Plerurus carangi Parukhin, 1966. South China Sea. Stomachs. Mamaev (1968b).
Dinurus euthynni Yamaguti, 1934. South China Sea. Stomachs. Mamaev (1968b).

HIRUDINELLIDAE

- Hirudinella spinulosa Yamaguti, 1938. South China Sea. Stomachs. Mamaev (1968b) [= H. marina - Nigrelli and Stunkard (1947)].

GORGODERIDAE

- Phyllodistomum lancea Mamaev, 1968. South China Sea. Urinary bladders? Mamaev (1968b).

BUCEPHALIDAE

- *Rhipidocotyle septpapillata Krull, 1934. Red Sea. Nagaty (1958).
 *Rhipidocotyle heptathelata Stunkard, 1974. Red Sea. Stunkard (1974).

MONOGENEA

HEXOSTOMATIDAE

- Homostoma chura Unnithan, 1965. India. Gills. Unnithan (1965).
Neohexostoma euthynni (Meserve, 1938) Price, 1961. South China Sea. Gills. Mamaev (1968b).

GASTROCOTYLIDAE

- Metapseudaxine ventrosicula Mamaev, 1967. South China Sea. Gills. Mamaev (1968b).
Churavera macrova Unnithan, 1968. India. Gills. Unnithan (1968).

CAPSALIDAE

- Caballerocotyla paucispinosa Mamaev, 1968. South China Sea. Gills, stomachs. Mamaev (1968b).
Caballerocotyla notosinense Mamaev, 1968. South China Sea. Gills. Mamaev (1968b).
Caballerocotyla manteri affinis Mamaev, 1968. South China Sea. Gills. Mamaev (1968b).

AXINIDAE

- Allopseudaxine macrova (Unnithan, 1957) Yamaguti, 1963. India. Unnithan (1957) as Uraxine chura m.

Euthynnus affinis, continued

NEMATODA

ANISAKIDAE

Contracaecum sp. Larva. South China Sea. Body cavities. Mamaev (1968b).

Anisakis sp. Larva. South China Sea. Body cavities. Mamaev (1968b).

SPIRUROIDEA

Ctenascarophis gastricus Mamaev, 1968. South China Sea. Stomachs. Mamaev (1968b).

PHILOMETRIDAE

Philometra sp. South China Sea. Mamaev (1968b).

SCOMBRIDAE - Euthynnus lineatus Black Skipjack

COPEPODA

CALIGIDAE

Caligus coryphaenae Steenstrup and Lutken, 1861. Gulf of California. Shiino (1959d).

Caligus macarovi Gussev, 1951. Mexico. Exteriors. Shiino (1959c).

DIGenea

HIRUDINELLIDAE

Hirudinella marina Garsin, 1730. Cabo San Lucas, Baja California, Mexico. Stomachs. Caballero and Caballero (1971).

MONOGENEA

HEXOSTOMATIDAE

Neohexostoma euthynni (Meserve, 1938) Price, 1961. Baja California, Mexico. Gills. Milleman (1956) as Hexostoma e.

SCOMBRIDAE - Euthynnus pelamis* Skipjack

SYNONYMS - Gymnosarda pelamys, Katsuwonus pelamys, Thynnus pelamys, Katsuwonus vagans.

*Dr. Bruce Collette (pers. comm.) believes this species to be in the genus Katsuwonus.

Euthynnus pelamis, continued

ACANTHOCEPHALA

RHADINORHYNCHIDAE

- Rhadinorhynchus pristis (Rudolphi, 1802) Lühe, 1911. Bermuda. Intestines. Rees (1970) as Nipporhynchus ornatus; Japan. Yamaguti (1963c) as Nipporhynchus katsuwonis.
Raorhynchus terebra (Rudolphi, 1819) Tripathi, 1959. Golvan (1969).
Raorhynchus meyeri (Heinze, 1969) Golvan, 1969. Indian Ocean. Golvan (1969).

CESTODA

TENTACULARIIDAE

- Tentacularia coryphaenae Bosc, 1802. Post larva. Atlantic, Japan. Muscles, abdominal cavities. Dollfus (1942).

COPEPODA

CALIGIDAE

- Caligus bonito Wilson, 1905. Pacific Cabo San Lucas, Baja California, Mexico. Gills. Shiino (1963); Hawaii. Lewis (1967); Indian Ocean. Pillai (1963); Woods Hole, Massachusetts. Wilson (1905b).
Caligus productus Dana, 1853. Pacific Costa Rica. Mouths. Shiino (1965b); Indian Ocean. Body surfaces, buccal cavities, gill cavities. Lewis, Dean and Gilfillan (1969); Hawaii. Lewis (1967).
Caligus kuroshio Shiino, 1959. Pacific. Gills. Shiino (1965b).
Caligus coryphaenae Steenstrup and Lütken, 1861. Indian Ocean. Lewis, Dean and Gilfillan (1969); Hawaii. Lewis (1967); Japan. Shiino (1960b).
Caligus pelamydis Krøyer, 1863. Woods Hole, Massachusetts. Gill cavities. Wilson (1905b); South Africa. Barnard (1955).
Caligus quadratus Shiino, 1954. Japan. Inner surface of operculums. Shiino (1959e).
Caligus mutabilis Wilson, 1905. Guaymas, Mexico. Causey (1960).
Caligus tessifer Shiino, 1952. Japan. Body surfaces. Shiino (1952).
Lepeophtheirus dissimulatus Wilson, 1905. Bermuda. Heegaard (1943).
Heniochophilus branchialis (Rangnekar, 1953) Pillai and Mohan, 1965. India. Pillai and Mohan (1965).
Dentigryps bermudensis (Heegaard, 1943) Yamaguti, 1963. Bermuda. Heegaard (1943) as Homoiototes b.

PSEUDOCYCNIDAE

- Pseudocycnus appendiculatus Heller, 1865. Angola. Gills. Nunes-Ruivo (1956); Mediterranean. Hewitt (1969).

Euthynnus pelamis, continued

DIGenea

DIDYMOZOIDAE

- Didymozoon filicolle Ishii, 1935. Pacific coast of Japan. Gills Ishii (1935).
- Didymozoon longicolle Ishii, 1935. Japan. Gills. Ishii (1935).
- Didymozoon minus Yamaguti, 1934. Japan. Gills. Yamaguti (1934a) as D. minor.
- Didymocylinrus filiformis Ishii, 1935. Japan, Hawaii. Gills. Ishii (1935).
- Didymocylinrus simplex (Ishii, 1935) Yamaguti, 1970. Japan, Hawaii. Yamaguti (1970).
- Didymocystis bilobata Ishii, 1935. Pacific Japan. Gills. Ishii (1935).
- Didymocystis ovata Ishii, 1935. Japan. Mouths. Ishii (1935).
- Didymocystis reniformis Ariola, 1902. Japan. Encysted in esophagus and stomachs. Yamaguti (1934a).
- Didymocystis soleiformis Ishii, 1935. Pacific Japan. Gills. Ishii (1935).
- Didymocystis wedli Ariola, 1902. Japan. Yamaguti (1934a).
- Didymoproblema fusiforme Ishii, 1935. Pacific Japan, Hawaii. Gills. Ishii (1935).
- Lobatozoun multisacculatum Ishii, 1935. Pacific Japan, Hawaii. Gills. Ishii (1935).
- Koellikeria globosa Ishii, 1935. Tokyo Fish Market. Mouths, esophagus. Ishii (1935).
- Koellikeria orientalis (Yamaguti, 1934) Ishii, 1935. Japan. Stomachs, esophagus. Ishii (1935).
- Koellikeria reniformis Ishii, 1935. Tokyo Fish Market. Gills. Ishii (1935).
- Neodiploptrema pelamydis (Yamaguti, 1938) Yamaguti, 1938. Pacific Japan. Gill arches. Yamaguti (1938b) as Diploptrema p.
- Oesophagocystis dissimilis (Yamaguti, 1938) Yamaguti, 1970. Hawaii, Pacific Japan. Esophagus, stomachs. Yamaguti (1970).
- Coeliodidymozoon komegaii Yamaguti, 1970. Hawaii. Caeca, stomachs. Yamaguti (1970).
- Coeliodidymozoon abdominalis (Yamaguti, 1938) Yamaguti, 1970. Japan. Caeca, stomachs. Yamaguti (1938b) as Didymocystis a.
- Didymocystoides intestinomucularis Yamaguti, 1970. Hawaii. Muscle layer of intestines. Yamaguti (1970).
- Didymocystoides pinnicola Yamaguti, 1970. Hawaii. Dorsal fins. Yamaguti (1970).
- Didymocystoides submentalis (Yamaguti, 1938) Yamaguti, 1970. Japan. Submental region. Yamaguti (1938b) as Didymocystis s.
- Lagenocystis katsuwoni Yamaguti, 1970. Hawaii. Intestinal walls. Yamaguti (1970).
- Adenodidymocystis intestinalis Yamaguti, 1970. Hawaii. Intestinal walls. Yamaguti (1970).
- Univitellannulocystis katsuwoni Yamaguti, 1970. Hawaii. Intestines. Yamaguti (1970).

Euthynnus pelamis, continued

FELLODISTOMIDAE

Tergestia laticollis (Rudolphi, 1819) Stossich, 1819. Mediterranean.
Manter (1940b).

HIRUDINELLIDAE

Hirudinella clavata (Menzies, 1791) Blainville, 1828. Atlantic.
Manter (1940b).

Hirudinella marina Garcin, 1730. Atlantic Ocean. Stomachs. Watertort
(1973).

HEMIURIDAE

Dinurus euthynni Yamaguti, 1934. Pacific Coast of Japan. Stomachs.
Yamaguti (1934a).

Lecithochirium microstomum Chandler, 1935. Mexico. Stomachs.
Lamothe-Argumedo (1966).

SYNCOELIIDAE

Syncoelium filiferum (Leuckart in Sars, 1885). Pacific Coast of Japan.
Branchial cavities. Yamaguti (1938b) as S. katuwo.

MONOGENEA

CAPSALIDAE

Capsala lintoni Price, 1939. Massachusetts. Linton (1898) as
Tristoma laeve; Massachusetts. Gills. Price (1939).

Caballerocotyla katsuoni (Ishii, 1936) Price, 1960. Pacific. Ishii
(1936) as Tristoma katsuonum.

GASTROCOTYLIDAE

Pricea minimae Chauhan, 1945. Bombay. Chauhan (1945).

AXINIDAE

Allopseudaxine katsuonis (Ishii, 1936) Yamaguti, 1943. Hawaii.
Gills. Yamaguti (1968b).

Allopseudaxine vagans (Ishii, 1936) Price, 1962. Japan. Gills.
Ishii (1936) as Pseudaxine v. [= Allopseudoaxinoides vagans -
Yamaguti (1970)].

NEMATODA

ANISAKIDAE

Contracecum sp. Larva. Japan. Kagei, Sakaguchi, Katamine and
Ikeda (1970).

Anisakis sp. Larva. Japan. Guts. Otsuru, Hatsukano, Oyanagi and
Konmotsu (1965); larva. New Zealand. Viscera. Hewitt and Hine
(1972).

PHILOMETRIDAE

Philometra sp. Atlantic. Ovaries. Simmons (1969).

Euthynnus pelamis, continued

SPIRUROIDEA

Gen. and Sp. Atlantic. Ovaries. Simmons (1969).

EVERMANNELLIDAE - Evermanella sp.

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. Catalina Basin, California. Larva encapsulated in mesenteries. Collard (1968).

CYPRINODONTIDAE - Fundulus parvipinnis California Killifish

COPEPODA

ERGASILIDAE

Ergasilus sp. Goleta Slough, California. Gills. Baker (1975b).

DIGenea

HETEROPHYIDAE

Euhaplorchis californiensis Martin, 1950. Metacercaria. Goleta Slough, California. Brain surfaces. Yoshino (1972).

Ascocotyle angrense Travassos, 1930. Metacercaria. Goleta Slough, California. Gill filaments. Yoshino (1972).

Ascocotyle sexidigita Martin and Steele, 1970. Metacercaria. Goleta Slough, California. Gut wall lateral musculature. Yoshino (1972); Huntington Beach, California. Martin and Steele (1970).

Phocitremites ovale Martin, 1950. Metacercaria. Goleta Slough, California. Scales. Yoshino (1972).

Stictodora hancocki (Martin, 1950) Witenberg, 1953. Metacercaria. Southern California. Muscles, brain cases, etc. Martin (1950) as Parasitictodora h.

Pygidiopsoides spindalis Martin, 1951. Metacercaria. Southern California. Gills. Martin (1951).

GORGODERIDAE

Phyllodistomum sp. Manter and Van Cleave (1951).

RENICOLIDAE

Renicola cerithidicola Martin, 1971. Metacercaria. Huntington Beach, Newport Bay, California. Gills. Martin (1971).

Renicola buchmanii (Martin and Gregory, 1951). Metacercaria. Huntington Beach, Newport Beach, California. Livers. Martin (1971).

Fundulus parvipinnis, continued

CYATHOCOTYLIDAE

Mesostephanus appendiculatus (Ciurea, 1916) Lutz, 1935. Metacercaria.
Southern California. Muscles. Martin (1961).

DIPLOSTOMIDAE

Posthodiplostomum minimum (MacCallum, 1921) Dubois, 1936. Metacercaria.
Goleta Slough, California. Egg sacs. Yoshino (1972).

MONOGENEA

DACTYLOGYRIDAE

Urocleidus sp. Goleta Slough, California. Gill filaments. Yoshino
(1972).

GYRODACTYLIDAE

Gyrodactylus sp. Goleta Slough, California. Gills. Baker (1975b).

NEMATODA

CAMALLANIDAE

Spirocamallanus pereirai (Annereaux, 1946) Olsen, 1952. Larva and adult.
Goleta Slough California. Stomachs, intestines. Noble and King (1960).

PROTOZOA (CILIOPHORA)

URCEOLARIIDAE

Trichodina sp. Goleta Slough, California. Gills. Baker (1975b).

GADIDAE - Gadus macrocephalus Pacific Cod

SYNONYM - Gadus morhua macrocephalus

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. British Columbia.
Intestines. Margolis (1952); Kamchatka, USSR. Skyrabina (1963).

POLYMORPHIDAE

Corynosoma strumosum (Rudolphi, 1802) Lühe, 1904. Larva. Kamchatka,
USSR. Skyrabina (1963); Washington. Van Cleave (1953).

CESTODA

TETRAPHYLLIDEA

Scolex pleuronectis Müller, 1788. Kamchatka, USSR. Intestines,
gallbladders. Skyrabina (1963).

Gadus macrocephalus, continued

BOTHRIOCEPHALIDAE

Bothriocephalus sp. Larva. Kamchatka, USSR. Pyloric caeca, intestines. Skyrabina (1963).

AMPHICOTYLIDAE

Abothrium gadi Van Beneden, 1871. Kamchatka, USSR. Intestines. Skyrabina (1963); British Columbia. Margolis (1952).

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Larva. Sea of Japan. Zhukov (1960a).

PHYLLØBOTHRIIDAE

Phyllobothrium sp. Larva. British Columbia. Intestines. Arai (1969b).

COPEPODA

CALIGIDAE

Lepeophtheirus parviventris Wilson, 1905. Alaska, British Columbia. Exteriors. Townsend (1938) as L. septentrionalis; USSR. Wilson (1908a).

Lepeophtheirus hospitalis Fraser, 1920. British Columbia. Fraser (1920); good drawing Kabata (1973).

Lepeophtheirus dissimulatus Wilson, 1905. Eastern Pacific. Lewis (1967).

Lepeophtheirus cuneifer Kabata, 1974. Alaska. Kabata (1974). Questionable host.

LERNAEOPODIDAE

Clavella adunca (Strøm, 1762). British Columbia. Gills, branchial cavities. Kabata (1970c).

Clavella uncinata (Müller, 1776) Oken, 1815. Alaska. Wilson (1915); Japan. Gills. Yamaguti (1939c).

NAOBRANCHIIDAE

Naobranchia occidentalis Wilson, 1915. Alaska. Gills. Wilson (1915).

CHONDRACANTHIDAE

Chondracanthus palpifera Wilson, 1912. British Columbia. Gill cavities. Fraser (1920).

DIGENEA

LEPOCREADIIDAE

Lepidapedon gadi (Yamaguti, 1934) Acena, 1947. Toyama Bay, Japan. Intestines. Acena (1947); Kamchatka, USSR. Skyrabina (1963);

Gadus macrocephalus, continued

HEMIURIDAE

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Sea of Japan. Stomachs, intestines. Zhukov (1960a).

Brachyphallus crenatus (Rudolphi, 1802) Odhner, 1905. Sea of Japan. Stomachs. Zhukov (1960a).

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia. Intestines, pyloric caeca. Arai (1969b); Sea of Japan. Zhukov (1960a).

Parahemiuris merus (Linton, 1910) Woolcock, 1935. British Columbia. Intestines, stomachs, pyloric caeca. Arai (1969b).

Hemiurus levinseni Odhner, 1905. Kamchatka, USSR. Stomachs, caeca. Skyrabina (1963).

Derogenes varicus (Müller, 1784) Looss, 1901. Kamchatka, USSR. Stomachs, intestines. Skyrabina (1963).

OPECOELIDAE

Podocotyle atomon (Rudolphi, 1802) Odhner, 1905. Kamchatka, USSR. Intestines. Strelkov (1960).

Podocotyle reflexa (Creplin, 1825) Odhner, 1905. Kamchatka, USSR. Stomachs, intestines, caeca. Skyrabina (1963).

FELLODISTOMIDAE

Pentagramma petrowi (Layman, 1930) Margolis and Ching, 1965. Pacific Ocean - USSR. Margolis and Ching (1965); Kamchatka, USSR. Skyrabina (1963) as Bacciger p.

Stenakron vestutum Stafford, 1904. Kamchatka, USSR. Strelkov (1960).

ZOOGONIDAE

Steganoderma formosum Stafford, 1904. Kamchatka, USSR. Intestines. Strelkov (1960).

BUCEPHALIDAE

Prosorhynchus crucibulum (Rudolphi, 1819) Odhner, 1905. Sea of Japan. Intestines. Zhukov (1960a).

ACANTHOCOLPIDAE

Stephanostomum baccatum (Nicolli, 1907) Manter, 1934. Sea of Japan. Intestines. Zhukov (1960a).

HIRUDINEA

PISCICOLIDAE

Levinsenia rectangulata (Levinsen, 1882) Vasilier, 1939. Alaska. Gills, gill cavities. Moore and Meyer (1951) as Genus? r.

MONOGENEA

GYRODACTYLIDAE

Gyrodactylus marinus Bychovsky and Poljansky, 1953. Sea of Japan. Gills. Bykhovsky and Poljansky (1953).

Gadus macrocephalus, continued

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Body cavities. Arai (1969); Japan. Saito, Kitayama and Tankawa (1970); Kamchatka, USSR. Body cavities, intestines, abdominal walls. Skyrabina (1963).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. British Columbia. Stomachs, intestines. Margolis (1952); Sea of Japan. Zhukov (1960a) both as Contraeaecum a.

Contraeaecum sp. Japan. Kagei, Sakaguchi, Katamine and Ikeda (1970); Kamchatka, USSR. Intestines, livers, kidneys, body cavities. Skyrabina (1963).

Terranova sp. Larva. British Columbia. Cysts in musculature. Margolis (1952); Kamchatka, USSR. Muscles, body cavities. Skyrabina (1963). Both as Porrocaecum sp.

Terranova decipiens (Krabbe, 1878) Johnston and Mawson, 1945. Larva. British Columbia. Margolis (1956b).

SPIRURIDAE

Ascarophis pacificus Zhukov, 1960. Sea of Japan. Stomachs. Zhukov (1960a).

Ascarophis filiformis Poljansky, 1952. Sea of Japan. Stomachs. Zhukov (1960a).

PROTOZOA (CILIOPHORA)

URCEOLARIIDAE

Trichodina murmanica Polyansky, 1955. USSR. Gills. Zhukov (1964). [Nomen dubium Lom and Laird (1969).]

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Myxidium ochotense Fujita, 1923. Japan. Gall bladders. Fujita (1923).

CARCHARHINIDAE - Galeocерdo cuvieri Tiger Shark

SYNONYMS - Galeocерdo arcticus, Galeocерdo tigrinus, Galeocерdo tygrinus.

CESTODA

ONCOBOTHRIIDAE

Pedibothrium longispine Linton, 1909. Ceylon. Southwell (1930).

Pedibothrium hutsoni (Southwell, 1911) Southwell, 1924. Ceylon. Southwell (1930)

Phoreiobothrium lasium Linton, 1889. Woods Hole, Massachusetts. Yamaguti (1959b).

Galeocерdo cuvieri, continued

Thysanocephalum rugosum Chandler, 1942. Florida Chandler (1954).
Thysanocephalum crispum (Linton, 1889) Linton, 1891. Massachusetts.
 Spiral valves. Linton (1889); India. Subhapradina (1955).

PHYLLOBOTHRIDAE

Phyllobothrium dagnallum Southwell, 1927. Ceylon. Southwell (1930).
Monorygma galeocerdonis MacCallum, 1921. Massachusetts. Williams
 (1968) [= Phyllobothrium? g. - Williams (1968)].
Phyllobothrium lactuca Van Beneden, 1850. Ceylon. Southwell (1930).
Phyllobothrium musteli (Van Beneden, 1850). Dry Tortugas; Woods Hole,
 Massachusetts. Yamaguti (1959b).

TENTACULARIIDAE

Tentacularia coryphaenae Bosc, 1802. Postlarva, adults. Massachusetts.
 Stomachs, pyloric caeca. Dollfus (1942).
Nybelinia bisulcata (Linton, 1889) Dollfus, 1929. Massachusetts.
 Stomachs. Dollfus (1942).

OTOBOTHRIDAE

Otobothrium curtum (Linton, 1909) Dollfus, 1942. Dry Tortugas.
 Chandler (1954).

PTEROBOTHRIDAE

Pterobothrium heteracanthum Diesing, 1850. Woods Hole, Massachusetts.
 Stomachs. Dollfus (1942).

TRYPANORHYNCHA

Tentacularia macropora (Shipley and Hornell, 1906) Southwell, 1930.
 Ceylon. Southwell (1930). [Species Incertae sedis - Yamaguti (1959).]
Rhynchobothrium exile Linton, 1909. Dry Tortugas. Chandler (1954).
 [Species Incertae sedis - Yamaguti (1959).]

BALANOBOTHRIDAE

Balanobothrium parvum Southwell, 1925. Ceylon. Southwell (1930).

COPEPODA

EURYPHORIDAE

Alebion carchariae Krøyer, 1863. West Florida. Body surfaces.
 Cressey (1970); Australia. Pectoral fins. Heegaard (1962).
Alebion gracilis Wilson, 1905. West Florida. Cressey (1970).

PANDARIDAE

Nesippus orientalis Heller, 1865. West Florida. Body surfaces.
 Cressey (1970); Madagascar. Cressey (1967c).
Nesippus crypturus Heller, 1865. West Florida. Mouths. Cressey
 (1970); Madagascar. Cressey (1967c).
Nesippus tigris Cressey, 1965. West Florida. Nasal cavities.
 Cressey (1967a); Madagascar. Cressey (1967c).

Galeocerdo cuvieri, continued

Pandarus cranchii Leach, 1819. Eniwetok Atoll. Body surfaces.
Lewis (1968); West Africa. Cressey (1967c).

EUDACTYLINIDAE

Kroyeria papillipes Wilson, 1932. Massachusetts. Gills. Wilson (1932).

Kroyeria dispar Wilson, 1935. West Florida. Gills. Cressey (1970);
Madagascar. Cressey (1967a).

Eudactylina pusilla Cressey, 1967. West Florida. Gills. Cressey (1970); Indian Ocean. Cressey (1967a).

Kroyerina elongata Wilson, 1932. Massachusetts. Gills. Wilson (1944).

Nemesis pallida Wilson, 1932. Massachusetts. Gills. Wilson (1932).

NEMATODA

ANISAKIDAE

Terranova brevicapitata (Linton, 1901) Musgovoy, 1951. North America.
Yamaguti (1961).

Terranova galeocerdonis (Thwaite, 1927) Johnston and Mawson, 1945.
Ceylon. Baylis (1936) as Porrocaecum g.

Acanthocheilus nudiflex Linton, 1900. Woods Hole, Massachusetts.
Yamaguti (1961). ["Should not be in this genus" - Yamaguti (1961)],
[Species inquirae - Olsen (1952).]

PHYSALOPTERIDAE

Proleptus australis Baylis, 1933. Queensland. Baylis (1933).

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Ceratomyxa lunata Davis, 1917. North Carolina. Gallbladders. Kudo (1920).

CARCHARHINIDAE - Galeorhinus zyopterus Soupfin Shark

CESTODA

PHYLLOBOTHRIIDAE

Scyphyllidium giganteum (Van Beneden, 1858) Woodland, 1927. Monterey Bay, California. Spiral valves. Riser (1955).

Orymatobothrium musteli (Van Beneden, 1850) Diesing, 1854.
California. Riser (1955).

COPEPODA

PANDARIDAE

Pandarus cranchii (Leach, 1819) Wilson, 1907. Humboldt Bay, California. External on dorsal fins. Pappas (1968); La Jolla, California. Wilson (1908a).

Galeorhinus zyopterus, continued

Pandarus bicolor Leach, 1816. Tomales and San Francisco Bays, California. Russo (1975).

DICHELESTIIDAE

Eudactylinoides uncinata (Wilson, 1908) Wilson, 1932. Gills. Wilson (1908a) as Eudactylina u.

LERNAEIDAE

Opimia exilis Wilson, 1908. La Jolla, California. Mouths, gill cavities. Wilson (1908a).

DIGENEA

GORGODERIDAE

Petalodistomum pacificum Caballero, 1945. Mazatlan, Mexico. Coeloms. Winter (1959).

HIRUDINEA

PISCICOLIDAE

Branchellion lobata Moore, 1952. Tomales and San Francisco Bays, California. Claspers, buccal cavities, fins. Russo (1975).

MONOGENEA

HEXABOTHRIIDAE

Erpocotyle squali (MacCallum, 1931) Price, 1942. Humboldt Bay, California. Gills. Pappas (1968).

PROTOZOA (MYXOSPORIDA)

CHLOROMYXIDAE

Chloromyxum ovatum Jameson, 1929. Monterey, California. Gall-bladders. Jameson (1929).

GASTEROSTEIDAE - Gasterosteus aculeatus Threespine Stickleback

SYNONYMS - Gasterosteus biaculeatus, Gasterosteus cataphractus

ACANTHOCEPHALA

RHADINORHYNCHIDAE

Telosentis exiquus (Von Linstow, 1901) Van Cleave, 1921. Black Sea. Intestines. Yamaguti (1963c).

POLYMORPHIDAE

Corynosoma strumosum (Rudolphi, 1802) Ldhe, 1904. Larva. USSR. Bykhovskaya - Pavlovskaya et al. (1962).

Gasterosteus aculeatus, continued

Corynosoma semerme (Forssell, 1904) Lühe, 1911. Larva. USSR.
Bykhovskaya - Pavlovskaya et al. (1962).

ECHINORHYNCHIDAE

Metechinorhynchus salmonis (Müller, 1784) Petrotschenko, 1956. USSR.
Intestines. Bykhovskaya - Pavlovskaya et al. (1962).

Metechinorhynchus lateralis (Leidy, 1851) Golvan, 1969. Newfoundland,
Labrador. Hanek and Threlfall (1970); USSR. Bykhovskaya -
Pavlovskaya et al. (1962).

Echinorhynchus gadi Zoega in Müller, 1776. Barents Sea, USSR.
Intestines. Polyansky (1955b).

Pseudoechinorhynchus clavula (Dujardin, 1845) Petrotschenko, 1956.
USSR. Bykhovskaya - Pavlovskaya et al. (1962); Britain.

Intestines. Chubb (1970b) as Acanthocephalus c.

Acanthocephalus lucii (Müller, 1776) Lühe, 1911. USSR. Intestines.
Bykhovskaya - Pavlovskaya et al. (1962).

NEOECHINORHYNCHIDAE

Neoechinorhynchus cristatus Lynch, 1936. Kamchatka, USSR. Intestines.
Skryabina (1963).

Neoechinorhynchus rutili (Müller, 1780). Newfoundland, Labrador.
Hanek and Threlfall (1970); British Columbia. Bangham and Adams
(1954); USSR. Bykhovskaya - Pavlovskaya et al. (1962).

POMPHORHYNCHIDAE

Pomphorhynchus laevis (Zoega in Müller, 1776) Van Cleave, 1924. Larva.
Ireland. Intestines. Kane (1966); USSR. Bykhovskaya - Pavlovskaya et al.
(1962).

CESTODA

DIPHYLLOBOTHRIDAE

Schistocephalus solidus (Müller, 1776) Steenstrup, 1857. Plerocercoid.
England. Body cavities. Pennycuick (1971); Labrador,
Newfoundland. Hanek and Threlfall (1970); USSR. Bykhovskaya -
Pavlovskaya et al. (1962); British Columbia. Lester (1975);
California. Haderlie (1953).

Schistocephalus sp. Larva. British Columbia. Bangham and Adams
(1954).

Diphyllobothrium vogeli Kuhlöw, 1952. Plerocercoid. West Germany.
Livers. Vik, Halvorsen, Anderson (1969).

Diphyllobothrium osmeri (Linstow, 1878). Plerocercoid. Norway.
Pyloric caeca, outside stomachs. Vik (1964-65).

Diphyllobothrium norvegicum Vik, 1957. Plerocercoid. England.
Chappell and Owen (1969); USSR. Bykhovskaya - Pavlovskaya et al.
(1962).

Gasterosteus aculeatus, continued

Diphyllobothrium dendriticum (Nitzsch, 1824). Plerocercoid. Ireland. Kane (1966); England. Chappell and Owen (1969); USSR. Bykhovskaya - Pavlovskaya et al. (1962).

Diphyllobothrium ditremus (Creplin, 1825). Plerocercoid. Britain. Chubb (1970a).

Diphyllobothrium sp. Plerocercoid. British Columbia. Livers. Lester (1975).

BOTHRIOCEPHALLIDAE

Bothriocephalus? claviceps (Goeze, 1782) Rudolphi, 1810. England. Chappell and Owen (1969).

Bothriocephalus scorpii (Muller, 1776) Rudolphi, 1808. Larva. British Columbia. Intestines. Arai (1969b); USSR. Bykhovskaya - Pavlovskaya et al. (1962).

Bothriocephalus sp. Labrador, Newfoundland. Hanek and Threlfall (1970).

PROTEOCEPHALIDAE

Proteocephalus filicollis (Rudolphi, 1802) Weinland, 1858. England. Intestines. Chappell (1969); Labrador, Newfoundland. Hanek and Threlfall (1970); USSR. Ginetsinskaya (1955).

Proteocephalus pugetensis Hoff and Hoff, 1929. British Columbia. Bangham and Adams (1954).

Proteocephalus longicollis (Zeder, 1800) Nufer, 1905. USSR. Intestines. Freze (1965). Possible host.

Proteocephalus percae (Müller, 1780) Kailliet, 1889. USSR. Intestines. Freze (1965). Possible host.

PHYLLOBOTHRIIDAE

Phyllobothrium sp. Larva. British Columbia. Intestines. Arai (1969b).

AMPHICOTYLIDAE

Eubothrium crassum (Bloch, 1779). Larva. Norway. Livers, viscera. body cavities. Vik (1963).

Eubothrium sp. England. Chappell and Owen (1969).

TRIAENOPHORIDAE

Triaenophorus crassus Forel, 1868. Europe. Intestines. Yamaguti (1959b).

Triaenophorus lucii (Müller, 1776). Plerocercoid. USSR. Petrushevskii, Mosevich and Shchupakov (1949) as T. nodulosus.

CYATHOCEPHALIDAE

Cyathocephalus truncatus (Pallas, 1781) Kessler, 1868. British Columbia. Intestines. Lester (1975); Norway. Vik (1954).

TETRAPHYLLIDÆA

Scolex polymorphus Rudolphi, 1819. Barents Sea, USSR. Polyanski (1955a). [= S. pleuronectis - Wardle and McLeod (1959).]

Gasterosteus aculeatus, continued

COPEPODA

CALIGIDAE

Caligus lacustris Steenstrup and Lütken, 1861. USSR. Skin, gills.

Bykhovskaya - Pavlovskaya et al. (1962).

Caligus clemensi Parker and Margolis, 1964. British Columbia. Body surfaces. Parker and Margolis (1964).

BOMOLOCHIDAE

Bomolochus cuneatus Fraser, 1920. British Columbia. Kabata (1971).

ARGULIDAE

Argulus foliaceus (Linnaeus, 1758). USSR. Body surfaces. Bykhovskaya - Pavlovskaya et al. (1962).

Argulus canadensis Wilson, 1916. Newfoundland. Body surfaces. Threlfall (1968).

Argulus alosae Gould, 1841. Gulf of St. Lawrence. Body surfaces. Wilson (1917).

Argulus japonicus Thiele, 1900. Ukraine, USSR. Sukhenko (1966).

ERGASILIDAE

Ergasilus globosus Krøyer, 1838-40. Yamaguti (1963a) [Species inquireae Yamaguti (1963a)].

Ergasilus turgidus Fraser, 1920. Vancouver Island, British Columbia. Probably gills. Fraser (1920), Alaska. Fins. Cope (1965).

Ergasilus auritus Markevich, 1940. British Columbia. Gills, body surfaces. Arai (1969b); Labrador, Newfoundland. Hanek and Threlfall (1970); USSR. Bykhovskaya - Pavlovskaya et al. (1962).

Ergasilus manicatus Wilson, 1911. Massachusetts. Roberts (1970).

Ergasilus sieboldi Nordmann, 1832. Poland. Gills. Grabda (1963).

Thersitina gasterostei Pagenstecher, 1861. Newfoundland, Labrador. Hanek and Threlfall (1970); Oregon. Gills. Millemann (1970);

Baltic Sea. Kozikowska (1965); British Columbia. Lester (1975).

Thersitina biuncinata (Gadd, 1901). Finland. Gills. Yamaguti (1963a).

LERNAEIDAE

Lernaea esocina (Burmeister, 1833) USSR. Skins, gills. Bykhovskaya - Pavlovskaya et al. (1962).

DIGENEA

HEMIURIDAE

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. Barents Sea, USSR.

Intestines. Polyanskii (1955b); British Columbia. Intestines.

Arai (1969b); Labrador, Newfoundland. Hanek and Threlfall (1969a); Washington. Ching (1960a).

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Washington. Ching (1960a).

Gasterosteus aculeatus, continued

Brachyphallus crenatus (Rudolphi, 1802) Odhner, 1905. Labrador, Newfoundland. Hanek and Threlfall (1969a); USSR. Bykhovskaya - Pavlovskaya (1962).

Parahemiurus merus (Linton, 1910) Woolcock, 1935. Friday Harbor, Washington. Guts. Ching (1960a).

Derogenes varicus (Müller, 1784) Looss, 1901. Washington. Ching (1960a); Barents Sea, USSR. Intestines. Polyansky (1955b); British Columbia. Intestines. Arai (1969b); Labrador, Newfoundland. Hanek and Threlfall (1969b).

OPECOELIDAE

Cainocreadium gasterostei (Bovien, 1932), Yamaguti (1971).

Podocotyle apodichthysi Park, 1937. California. Intestines. Park (1937b).

Podocotyle blennicottusi Park, 1937. Washington. Intestines. Ching (1960a) as P. pacifica.

Podocotyle atomon (Rudolphi, 1802) Odhner, 1905. Labrador, Newfoundland. Hanek and Threlfall (1969a); USSR. Bykhovskaya - Pavlovskaya et al. (1962).

Podocotyle reflexa (Creplin, 1825) Odhner, 1905. Barents Sea, USSR. Intestines. Polyansky (1955b).

Neopodocotyloides sinusaccus (Ching, 1960) Pritchard, 1966. British Columbia. Intestines. Arai (1969b).

ALLOCREADIIDAE

Bunodera mediovitellata Tsimbalyuk and Roytman, 1965. USSR. Intestines. Tsimbalyuk and Roytman (1966); British Columbia. Lester (1975)

Bunodera luciopercae (Müller, 1776) Lühe, 1909. Labrador, Newfoundland. Hanek and Threlfall (1970).

Bunodera eucaliae (Miller, 1936) Miller, 1940. British Columbia. Bangham and Adams (1954); Oregon. Pratt and McCauley (1961).

Crepidostomum cornutum (Osborn, 1903) Stafford, 1904. Oregon. Pratt and McCauley (1961).

Crepidostomum cooperi Hopkins, 1931. Newfoundland. Hanek and Threlfall (1969b).

Crepidostomum farionis (Müller, 178) . Newfoundland. Threlfall (1968).

DIPLOSTOMIDAE

Posthodiplostomum cuticola (Nordmann, 1832) Dubois, 1936. Larva. USSR. Skins, fins. Bykhovskaya - Pavlovskaya et al. (1962).

Posthodiplostomum minimum (MacCallum, 1921) Dubois, 1936. British Columbia. Bangham and Adams (1954).

Diplostomum scudderi (Oliver). Metacercaria. British Columbia. Eyes. Lester (1975).

Diplostomum pungitius Shigin, 1965. Metacercaria. USSR. Eyes. Shigin (1965).

Diplostomum gobiorum Shigin, 1965. Metacercaria. USSR. Eyes. Shigin (1965).

Gasterosteus aculeatus, continued

- Diplostomum sp. Larva. British Columbia. Bangham and Adams (1954).
Diplostomum spathaceum (Rudolphi, 1819). Newfoundland, Labrador
 Hanek and Threlfall (1970); Metacercaria. Scotland. Eyes.
 Williams (1966); USSR. Bykhovskaya - Pavlovskaya et al. (1962);
 British Columbia. Lester (1975).
Diplostomum clavatum (Ciurea, 1928). Metacercaria. USSR.
 Getsevichiute (1958)
Diplostomum gasterostei Williams, 1966. Metacercaria. England.
 Retinal layer of eye. Pennycook (1971).
Tetracotyle sp. British Columbia. Bangham and Adams (1954).
Neascus sp. Metacercaria. Northern California. Skins. Haderlie
 (1952).
Neascus brevicaudatus (Nordmann, 1832). Larva. USSR. Eyes.
 Getsevichiute (1958).

HETEROPHYIDAE

- Apophallus bacalloti Morozov, 1852. Larva. Franc. Body surfaces.
 Timon-David (1963).
Cryptocotyle concauum (Creplin, 1825) Fiscoeder, 1903. Metacercaria.
 Santa Ynez, California. Wooton (1957).

FELLODISTOMIDAE

- Faustula gasterostei Schell, 1973. Puget Sound, Washington.
 Intestines. Schell (1973b).

GORGODERIDAE

- Phyllodistomum folium (Olfers, 1816) Braun, 1899. England. Urinary
 bladders, ureters. Dawes (1947).

CYATHOCOTYLIDAE

- Holostephanus luhei Szidat, 1936. Metacercaria. Cardiff, England.
 Erasmus (1962).

STRIGEIDAE

- Cotylurus pileatus (Rudolphi, 1802) Dubois, 1937. Larva. USSR.
 Internal organs. Bykhovskaya - Pavlovskaya et al. (1962).
Apatemon gracilis (Rudolphi, 1819) Szidat, 1928. Metacercaria.
 British Columbia. Intestines. Lester (1975).

ECHINOSTOMATIDAE

- Patasiger cf. pungens (Linstow, 1894). Metacercaria. France. Gills.
 stomachs. Dollfus (1961) as Echinostomum p.

Gasterosteus aculeatus, continued

FUNGI

Saprolegnia parasitica Coker. British Columbia. Nares. Lester (1975).
Saprolegnia sp. British Columbia. Caudal peduncles. Lester (1975).

HIRUDINEA

PISCICOLIDAE

Piscicola geometra (Linnaeus, 1761). USSR. Bykhovskaya - Pavlovskaya (1962).

MONOGENEA

GYRODACTYLIDAE

Gyrodactylus elegans Nordmann, 1832. Washington. Guberlet (1936a);
 England. Gills. Dawes (1947).

Gyrodactylus alexanderi Mizelle and Kritsky, 1967. Stow Lake,
 California. Skins. Mizelle and Kritsky (1967d); British Columbia.
 Lester (1975).

Gyrodactylus arcuatus Bykhovsky, 1933. Barents Sea. Gills, fins,
 skins. Polyanskii (1955b); Britain. Chubb (1970a).

Gyrodactylus bychowskyi Sproston, 1946. Barents Sea, Baltic Sea,
 Sea of Japan. Gills. Polyansky (1955b).

Gyrodactylus avalonia Hanek and Threlfall, 1969. Ontario, Canada.
 Fins. Hanek and Threlfall (1969c).

Gyrodactylus canadensis Hanek and Threlfall, 1969. Newfoundland.
 Gills. Hanek and Threlfall (1969c).

Gyrodactylus lairdi Hanek and Threlfall, 1969. Newfoundland. Fins.
 Hanek and Threlfall (1969c).

Gyrodactylus memorialis Hanek and Threlfall, 1969. Newfoundland.
 Fins. Hanek and Threlfall (1969c).

Gyrodactylus aculeati Malmberg, 1956. Sweden. Gills.
 Yamaguti (1963b).

Gyrodactylus rarus Wegener, 1907. England. Body surfaces, gills.
 Chappell (1969); Baltic Sea. Bykhovsky and Poljansky (1953).

Gyrodactylus pungitii Malmberg, 1964. Britain. Chubb (1970a).

GYRODACTYLOIDEA

British Columbia. Gills, body surfaces. Arai (1969b).

DISCOCOTYLIDAE

Diplozoon paradoxum Nordmann, 1832. Europe. Gills. Dawes (1947).

DACTYLOGYRIDAE

Dactylogyrus sp. British Columbia. Gills. Lester (1975).

MOLLUSCA

UNIONIDAE

Anodonta beringiana Middendorf. Glochidium. Alaska. Gills, mouths,
 body surfaces. Cope (1959).

Gasterosteus aculeatus, continued

Gen. and sp. USSR. Bykhovskaya - Pavlovskaya (1962); British Columbia. Lester (1975).

NEMATODA

ANISAKIDAE

Raphidascaris cristata (Linstow, 1872). Juveniles. Britain. Chubb (1970a).

Raphiascaris gracillima (Linstow, 1890). Baltic, Britain. Yamaguti (1961).

Raphidascaris acus (Bloch, 1779). USSR. Intestines. Bykhovskaya - Pavlovskaya et al. (1962).

Raphidascaris sp.? Juvenile. England. Chappell and Owen (1969).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Adults, larva. Barents Sea, USSR. Intestines, body cavities, mesenteries.

Polyansky (1955b) as Contracecum a.

Contracecum sp. Newfoundland, Labrador. Hanek and Threlfall (1970).

Anisakis sp. Larva. Barents Sea, USSR. Body cavities and mesenteries. Polyansky (1955b); British Columbia. Body cavities. Arai (1969b).

SPIRURIDAE

Ascarophis morrhuae Van Beneden, 1871. Newfoundland, Labrador. Hanek and Threlfall (1970).

CAMALLANIDAE

Camallanus lacustris Zoega, 1776. USSR. Intestines. Bykhovskaya - Pavlovskaya et al. (1962).

Camallanus truncatus (Rudolphi, 1814). USSR. Intestines. Bykhovskaya - Pavlovskaya et al. (1962).

DIOCTYOPHMIDAE

Eustrongylides sp. Larva. British Columbia. Bangham and Adams (1954).

TRICHURIDAE

Capillaria petruschewskii (Schulman, 1948) USSR. Livers. Getsevichiute (1958)

SPIRUROIDEA

Cystidicoloides tenuissima (Zeder, 1800) Rasheed, 1966. Poland. Wierzbicki (1962) as Sterliadochona t.

Cystidicola farionis? Fischer, 1798. USSR. Swimbladders. Bykhovskaya - Pavlovskaya et al. (1962).

ACUARIIDAE

Synhimantus brevicaudatus (Dujardin, 1845). Larva. Sea of Azov, USSR. Stomachs, livers, intestines. Mozgovi, Popova, Semenova (1965).

Gasterosteus aculeatus, continued

PROTOZOA (CILIOPHORA)

URCEOLARIIDAE

- Trichodina tenuidens Fauré-Fremiet, 1943. Newfoundland. Gills. Lom and Laird (1969); British Columbia. Gill chamber walls. Lester (1975); England. Chubb (1970b).
- Trichodina domergei subsp. Domergei Haider, 1964. USSR. Poland. Gills, skins. Bykhovskaya - Pavlovskaya (1962); British Columbia. Fins, body surfaces. Lester (1975).
- Trichodina gracilis Polyansky, 1955. Barents Sea. USSR. Body surfaces, gills. Polyansky (1955b).
- Trichodina megamicronucleata Dogiel, 1950. Ireland. Body surfaces. Kane (1966).
- Trichodina sp. England. Body surfaces. Chappell (1969).

OPHRYOGLLENIDAE

- Ichthyophthirius multifilllis Fouquet, 1876. Ireland. Body surfaces. Kane (1966); British Columbia. Lester (1975). "May be lab infected."
- Ichthyophthirius sp. Newfoundland. Threlfall (1968).

EPISTYLIDAE

- Epistylis lwoffii Fauré-Fremiet. British Columbia. Lester (1975); Europe. On Apiosoma [on gills, body surfaces]. Lom (1966).

SCYPHIDIIDAE

- Glossatella amebae (Grenfell, 1887). Neva Gulf, USSR. Body surfaces, gills. Bykhovskaya - Pavlovskaya et al. (1962).
- Apiosoma sp. British Columbia. Gills, body surfaces. Lester (1975).

AMPHILEPTIDAE

- Litonotus branchiarum (Weinrich, 1925). USSR. Gills, skin. Bykhovskaya - Pavlovskaya et al. (1962) as Hemiophrys b.

DENDROSOMIDAE

- Trichophyra intermedia Prost, 1952. Neva Gulf, USSR. Gills. Bykhovskaya - Pavlovskaya (1962).

PROTOZOA (MICROSPORIDIA)

NOSEMATIDAE

- Glugea anomala (Moniez, 1887). Europe. Tissues. Putz, Hoffman, Dunbar (1965); Alaska. Cope (1959); British Columbia. Lester (1975).

PROTOZOA (MYXOSPORIDA)

MYXOBOLIDAE

- Myxobolus physophilus Reuss, 1906. USSR. Body cavities. Getsevichiute (1958).
- Myxobilatus gasterostei (Parisi, 1912) Davis, 1944. Italy. Ureters, urinary bladders. Kudo and Meglitsch (in preparation); USSR. Bykhovskaya - Pavlovskaya et al. (1962); British Columbia. Lester (1975).

Gasterosteus aculeatus, continued

Myxobilatus medius (Thélohan, 1892) Gurley, 1894. France. Kidneys, ovaries. Kudo and Meglitsch (in preparation); USSR. Bykhovskaya - Pavlovskaya et al. (1962).

Myxobilatus sp. British Columbia. Kidney tubules. Lester (1975).
"Rounder than M. gasterostei."

Unicauda brevis (Thélohan, 1892). France. Renal tubules, kidneys, ovaries. Kudo and Meglitsch (in preparation).

MYXIDIIDAE

Myxidium gasterostei Noble, 1943. California. Gallbladders. Noble (1943); USSR. Bykhovskaya - Pavlovskaya et al. (1962); British Columbia. Lester (1975).

SPHAEROSPORIDAE

Sphaerospora elegans Thélohan, 1892. USSR. Kidneys, urinary bladders. Bykhovskaya - Pavlovskaya et al. (1962); British Columbia. Urinary tubules. Lester (1975).

CERATOMYXIDAE

Ceratomyxa sp. British Columbia. Intestines. Lester (1975).

PROTOZOA (SARCOMASTIGOPHORA)

CRYPTOBIIDAE

Cryptobia branchialis (Nie in Chen, 1956). USSR. Bykhovskaya - Pavlovskaya et al. (1962).

Cryptobia salmositica Katz, 1951. Washington. Blood. Becker and Katz (1965b).

TETRAMITIDAE

Costia necatrix (Henneguy). British Columbia. Gills. Lester (1975).

HEXAMITIDAE

Hexamita salmonis (Moore, 1922). British Columbia. Intestines. Lester (1975).

TRYPANOSOMATIDAE

Trypanosoma occidentalis Becker, 1967. Washington. Blood. Becker (1967b).

PROTOZOA (SPOROZOA)

HAPLOSPORIDIA

Dermocystidium gasterostei Elkan, 1962. England. Cysts on fins. Elkan (1962).

EIMERIIDAE

Eimeria gasterostei (Thélohan, 1890) Doflein, 1909. USSR. Livers. Bykhovskaya - Pavlovskaya et al. (1962); British Columbia. Lester (1975).

GEMPYLIDAE - Gempylus serpens Snake Mackerel

ACANTHOCEPHALA

RHADINORHYNCHIDAE

Gorgorhynchus robertdollfusi Golvan, 1956. Mauritania. Intestines.
Golvan (1956).

SCIAENIDAE - Genyonemus lineatus White Croaker

COPEPODA

BOMOLOCHIDAE

Holobomolochus attenuatus (Wilson, 1913) Vervoort, 1969. Ensenada,
Mexico. Causey (1960) as Bomolochus a.

LERNAEOPODIDAE

Brachiella gracilis Wilson, 1908. Tehautepec, Mexico. Causey (1960).

DIGenea

ACANTHOCOLPIDAE

Stephanostomum californicum Manter and Van Cleave, 1951. California.
Intestines, stomachs. Manter and Van Cleave (1951); Santa Monica
Bay. Winter (1959).

CLINIDAE - Gibbonsia sp.

DIGenea

HEMIURIDAE

Genolinea laticauda Manter, 1925. Tomales Bay, California. Stomachs.
Chapa (1969).

Sterrurus exodicus (McFarlane, 1936) Yamaguti, 1958. Tomales Bay,
California. Stomachs. Chapa (1969) as Separogermiductus e.

OPECOELIDAE

Helicometrina elongata Noble and Park, 1937. Tomales Bay, California.
Intestines. Chapa (1969).

Podocotyle sp. Dillon Beach, California. Intestines, caeca. Edmiston
(1971).

CLINIDAE - Gibbonsia elegans Spotted Kelpfish

DIGenea

OPECOELIDAE

Helicometrina elongata Noble and Park, 1937. La Jolla, California. Intestines. Manter and Van Cleave (1951).

Helicometrina nimia Linton, 1910. Intestines. Arai (1962).

Podocotyle gibbonsia Johnson, 1949. California. Intestines. Johnson (1949a).

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Sphaeromyxa gibbonsia Noble, 1939. Santa Barbara, California. Gallbladders. Noble (1939).

TRILOSPORIDAE

Trilospora californica Noble, 1939. Santa Barbara, California. Gallbladders. Noble (1939).

CERATOMYXIDAE

Leptotheca sphaerula Noble, 1939. Pt. Conception, California. Gallbladders. Noble (1941).

Leptotheca elegans Noble, 1938. Santa Barbara, California. Gallbladders. Noble (1938).

Ceratomyxa blennius Noble, 1938. California. Gallbladders. Noble (1941).

CLINIDAE - Gibbonsia metzi Striped Kelpfish

SYNONYMS - Gibbonsia evides, G. mitzi

CESTODA

GORGODERIDAE

Phyllodistomum borisbychowski Caballero and Caballero, 1969. Palos Verdes, California. Intestines. Caballero and Caballero (1969a).

DIGenea

OPECOELIDAE

Pseudopecoelus gibbonsiae Manter and Van Cleave, 1951. La Jolla, California. Intestines. Manter and Van Cleave (1951).

Helicometrina elongata Noble and Park, 1937. La Jolla, California. Intestines. Manter and Van Cleave (1951).

Genitocotyle acirra Park, 1937. Monterey Bay, California. Intestines. Chapa (1969) as G. acirrata.

Gibbonsia metzi, continued

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Leptotheca sphaerula Noble, 1939. Santa Barbara, California. Urinary bladders. Noble (1939).

Leptotheca elegans Noble, 1938. Santa Barbara, California. Gallbladders. Noble (1941).

Ceratomyxa blennius Noble, 1938. Pt. Conception, California. Gallbladders. Noble (1941).

Ceratomyxa gracilis Jameson, 1929. Monterey. Gallbladders. Jameson (1929).

MYXIDIIDAE

Sphaeromyxa gibbonsia Noble, 1939. Santa Barbara, California. Gallbladders. Noble (1939).

TRILOSPORIDAE

Trilospora californica Noble, 1939. Santa Barbara, California. Gallbladders. Noble (1941).

GOBIIDAE - Gillichthys mirabilis Longjaw Mudsucker

ACANTHOCEPHALA

NEOECHINORHYNCHIDAE

Microsentis wardae Martin and Multani, 1966. Scammon's Lagoon, Baja California, Mexico. Intestines. Martin and Multani (1966).

COPEPODA

ERGASILIDAE

Ergasilus auritus Markevich, 1940. Goleta, California. Gills. Roberts (1970).

DIGenea

HEMIURIDAE

Hysterolecitha trilocalis King and Noble, 1961. Goleta Slough, California. Gills, stomachs, esophagi. King and Noble (1961).

Lecithaster minimus Martin and Multani, 1970. Baja California, Mexico. Intestines (posterior). Martin and Multani (1970).

RENICOLIDAE

Renicola buchanani (Martin and Gregory, 1951). Metacercaria. Huntington Beach and Newport Bay, California. Livers. Martin (1971).

Gillichthys mirabilis, continued

CYATHOCOTYLIDAE

Mesostephanus appendiculatus (Ciurea, 1916) Lutz, 1935. Metacercaria.
Southern California. Muscles. Martin (1961).

DIDYMOZOIDAE

Gen. and sp. Larva. Goleta Slough, California. Gills. Noble and
King (1963) as Torticaecum fenestratum.

HETEROPHYIDAE

Stictodora hancocki (Martin, 1950) Witenberg, 1953. Metacercaria.
Southern California. Muscles, brain cases, etc. Martin (1950)
as Parasitictodora h.

Ascocotyle sexidigita Martin and Steele, 1970. Baja California,
Mexico. Intestines. Martin and Multani (1970).

Ascocotyle angrense Travassos, 1916. Metacercaria. Goleta Slough,
California. Gills. Baker (1975b).

MONOGENEA

GYRODACTYLIDAE

Gyrodactylus imperialis Mizelle and Kritsky, 1967. Salton Sea,
California. Skins. Mizelle and Kritsky (1967b).

Gyrodactylus olsoni Mizelle and Kritsky, 1967. Salton Sea, California.
skins. Mizelle and Kritsky (1967b).

Gyrodactylus elegans Nordmann, 1832. Goleta Slough, California.
Gills. Noble (1961).

NEMATODA

SPIRURIOIDEA

Vasorhabdochona cablei Martin and Zam, 1967. Near Scammon's Lagoon,
Baja California, Mexico. Mesenteric blood vessels near bile ducts.
Martin and Zam (1967).

CAMALLANIDAE

Spirocamallanus pereirai (Annereaux, 1946) Olsen, 1952. Goleta Slough,
California. Intestines. Noble and King (1960).

PROTOZOA (CILIOPHORA)

URCEOLARIIDAE

Trichodina sp. Southern California. Gills. Noble (1961).

KYPHOSIDAE - Girella nigricans Opaleye

COPEPODA

LERNAEIDAE

Peniculus fissipes Wilson, 1917. Corona Del Mar, California. External, fins. Wilson (1935b).

CALIGIDAE

Caligus hobsoni Cressey, 1969. La Jolla, California. Hobson (1971)

DIGenea

HAPLOSPLANCHNIDAE

Schikhobalotrema girellae (Manter and Van Cleave, 1951) Skrjabin and Guschanskaia, 1955. La Jolla, California. Intestines. Manter and Van Cleave (1951) as Haplosplanchus g.

WARTREMATIDAE

Vitellibaculum girellae Montgomery, 1957. La Jolla, California. Intestines. Montgomery (1957).

OPECOELIDAE

Opegaster cameroni Caballero and Caballero, 1969. Palos Verdes, Laguna Beach, California. Intestines. Caballero and Caballero (1969b).

Opecoelus adsphaericus Manter and Van Cleave, 1951. La Jolla, California. Intestines. Manter and Van Cleave (1951).

Helicometrina elongata Noble and Park, 1937. Palos Verdes, California. Intestines. Winter (1959).

LEPOCREADIIDAE

Opechona orientalis (Layman, 1930) Ward and Fillingham, 1934. La Jolla, California. Intestines. Manter and Van Cleave (1951).

MONOGENEA

CAPSALIDAE

Neobenedenia girellae (Hargis, 1955) Yamaguti, 1963. La Jolla, California. Skin. Hargis (1955a); La Paz, Baja California, Mexico. Bravo-Hollis (1957) as Benedenia g.

NEMATODA

CAMALLANIDAE

Spirocamallanus pereirai (Annereaus, 1946) Olsen, 1952. Goleta Slough, California. Intestines. Noble and King (1960).

PSEUDALIIDAE

Parafilaroides decorus Dougherty and Herman, 1947. Larva. San Nicholas Island, California. In mesenteries, fat, under intestinal serosa. Dailey (1970).

Girella nigricans, continued

PROTOZOA (CILIOPHORA)

OPHRYOGLENIDAE

Cryptocaryon irritans Brown, 1951. La Jolla, California. Tissues.
Wilkie and Gordin (1969).

PLEURONECTIDAE - Glyptocephalus zachirus Rex Sole

CESTODA

TETRAPHYLLIDEA

Gen. and sp. Red pigmented plerocercoid. Southern California.
Intestines, pyloric caeca. Kunenkeri and Martin (1962).

HEMIURIDAE

Dissosaccus laevis (Linton, 1898) Manter, 1947. Monterey Bay,
California. Stomachs. Nahhas (1960).

NEMATODA

ANISAKIDAE

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. British Columbia.
Stomachs, intestines. Margolis (1952).
Anisakis sp. Larva. British Columbia. In mesenteries, muscles, etc.
Margolis (1952).

GOBIESOCIDAE - Gobiesox maeandricus Northern Clingfish

SYNONYM - Caularchus maeandricus

DIGenea

OPECOELIDAE

Podocotyle gibbonsia Johnson, 1949. Pacific Grove, California.
Digestive tracts. Johnson (1949a).

Helicometrina elongata Noble and Park, 1937. Bodega Bay, California.
Small intestines. Noble and Park (1937).

HEMIURIDAE

Sterrhurus exodicus (McFarlane, 1936) Yamaguti, 1958. Monterey Bay,
California. Stomachs. Nahhas (1960).

Gobiesox maeandricus, continued

NEMATODA

PHILOMETRIDAE

Philometra americana Kuitunen-Ekbaum, 1933. British Columbia. Body cavities, lateral walls. Kuitunen-Ekbaum (1933a).

PROTOZOA (MYXOSPORIDA)

SPHAEROSPORIDAE

Davisia sp. Puget Sound, Washington. Urinary bladders. Kuris (1975).

MYXIDIIDAE

Zschokkella sp. Puget Sound, Washington. Urinary bladders. Kuris (1975).
Sphaeromyxa balbianii Thélohan, 1895. Puget Sound, Washington. Gall-bladders. Kuris (1975).

GOBIESOCIDAE - Gobiesox rhesodon California Clingfish

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Sphaeromyxa ovula Noble, 1939. Santa Barbara, California. Gall-bladders. Noble (1939).

MURAENIDAE - Gymnothorax mordax California Moray

SYNONYM - Lycodontis mordax

DIGENEA

BUCEPHALIDAE

Dollfustrema californiae Montgomery, 1957. La Jolla, California. Intestines. Montgomery (1957); Baja California, Mexico. Stomachs. Reid, Coil and Kuntz (1965).

HEMIURIDAE

Magniscyphus taboganus (Sogandres-Bernal, 1959) Reid, Coil and Kuntz. 1965. La Jolla, California. Intestines. Reid, Coil and Kuntz (1965).
Lecithophyllum intermedium (Manter, 1934) Margolis, 1958. Bahia Magdalena, Baja California, Mexico. Intestines. Arai (1962).
Sterrhurus taboganus Sogandares-Bernal, 1959. Bahia Magdalena, Baja California, Mexico. Stomachs. Arai (1962).

Gymnothorax mordax, continued

COPEPODA

DICHELESTIIDAE

Hatschekia pinguis Wilson, 1908. La Jolla, California. Gills. Wilson (1908a).

GYMNURIDAE - Gymnura marmorata California Butterfly Ray

SYNONYM - Pteroplatea marmorata

CESTODA

ONCOBOTHRIIDAE

Acanthobothrium parviuncinatum Young, 1954. San Diego, California. Young (1954).

COPEPODA

TREBIIDAE

Trebius latifurcatus Wilson, 1921. Venice, California. Exteriors. Wilson (1921).

LABRIDAE - Halichoeres semicinctus Rock Wrasse

COPEPODA

CALIGIDAE

Lepeophtheirus parviventris Wilson, 1905. California. Kabata (1973); Exteriors. Wilson (1924).

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Leptotheca fisheri (Jameson, 1929) Kudo, 1933. California. Gallbladders. Jameson (1931) as Ceratomyxa f.

SERRANIDAE - Hemianthias peruanus Splittail Bass

COPEPODA

CHONDRACANTHIDAE

Blias prionoti Krøyer, 1863. Gills. Ho (1970).

COTTIDAE - Hemilepidotus hemilepidotus Red Irish Lord

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. British Columbia. Intestines.
Arai (1969a).

POLYMORPHIDAE

Corynosoma sp. Juvenile. Schiller (1954).

COPEPODA

CHONDRACANTHIDAE

Chondracanthus sp. Oregon. Gill cavities. Millemann (1970).

DIGENEA

ZOOGONIDAE

Lepidophyllum cameroni Arai, 1969. British Columbia. Urinary bladders,
rectal glands. Arai (1969a).

HEMIURIDAE

Tubulovesicula lindgergi (Layman, 1930) Yamaguti, 1934. Washington.
Ching (1960a).

Derogenes varicus (Müller, 1784) Looss, 1901. British Columbia.
Intestines. Arai (1969a).

Genolinea laticauda Manter, 1925. British Columbia. Stomachs. Arai
(1969a).

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia.
Intestines. Arai (1969a).

STEGANODERMATIDAE

Steganoderma formosum Stafford, 1904. British Columbia. Intestines.
Arai (1969a).

FELLODISTOMIDAE

Anisorchis opisthorchis Polyansky, 1955. British Columbia. Intestines.
Arai (1969a).

OPECOELIDAE

Neopodocotyloides sinusaccus (Ching, 1960) Pritchard, 1966. British
Columbia. Intestines. Arai (1969a).

NEMATODA

SPIRURIDAE

Ascarophis sebastodis Olsen, 1952. British Columbia. Intestines.
Arai (1969a).

ANISAKIDAE

Terranova decipiens (Krabbe, 1878) Johnston and Mawson, 1945. Larva.
Alaska. Schiller (1954) as Porrocaecum d.

COTTIDAE - Hemilepidotus spinosus Brown Irish Lord

DIGenea

OPECOELIDAE

Podocotyle sp. Dillon Beach, California. Intestines. Edmiston (1971).
Podocotyle californica Park, 1937. Dillon Beach, California.
 Intestines, caeca. Edmiston (1971).

HETERODONTIDAE - Heterodontus francisci Horn Shark

CESTODA

ONCOBOTHRIIDAE

Acanthobothrium bajaensis Appy and Dailey, 1973. Newport Bay, California.
 San Quintin Bay, Baja California, Mexico. Spiral valves. Appy and
 Dailey (1973).

TENTACULARIIDAE

Nybelinia anthicosum Heinz and Dailey, 1974. San Carlos Bay, Playa
 Maria, Baja California, Mexico. Stomachs, spiral valves. Heinz
 and Dailey (1974).

ISOPODA

CYMOTHOIDAE

Nerocila californica Schioedte and Meinert, 1881. California. Dorsal
 fins. Richardson (1905).

NEMATODA

GNATHOSTOMATIDAE

Echinocephalus pseudouncinatus Millemann, 1951. San Clemente Island,
 California; Gulf of California, Mexico. Spiral valves. Millemann
 (1963).

PHYSALOPTERIDAE

Proleptus acutus Dujardin, 1845. Southern California. Stomachs.
 Specian, Ubelaker and Dailey (1975).

CLINIDAE - Heterostichus rostratus Giant Kelpfish

COPEPODA

CHONDRACANTHIDAE

Chondracanthus heterostichi Ho, 1972. La Jolla, California. Gill
 cavities. Ho (1972b).

Heterostichus rostratus, continued

Chondracanthus horridus Heller, 1865. Monterey, California. Gills.
Wilson (1935b).

CALIGIDAE

Lepeophtheirus parviventris Wilson, 1905. Newport Bay, California.
Outer surfaces. Wilson (1935b).

DIGenea

OPECOELIDAE

Genitocotyle heterostichi Montgomery, 1957. La Jolla, California.
Intestines. Montgomery (1957).

HEXAGRAMMIDAE - Hexagrammos sp.

COPEPODA

CALIGIDAE

Caligus clemensi Parker and Margolis, 1964. British Columbia. Parker
and Margolis (1964).

DIGenea

OPECOELIDAE

Podocotyle sp. Dillon Beach, California. Intestines. Johnson (1949b).

MONOGENEA

CAPSALIDAE

Benedenia sp. California. Gills, body surfaces. Johnson (1949b).

HEXAGRAMMIDAE - Hexagrammos decagrammus Kelp Greenling

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808. British
Columbia. Pyloric caeca. Wardle (1932).

COPEPODA

CHONDRACANTHIDAE

Chondracanthus deltoideus Fraser, 1920. Vancouver Island. Gill
cavities. Fraser (1920).

Hexagrammos decagrammus, continued

Chondracanthus pinguis Wilson, 1912. Vancouver Island. Wilson (1912b);
Fraser (1920).

Chondracanthus gracilis Fraser, 1920. British Columbia. Bere (1930a).

CALIGIDAE

Lepeophtheirus parviventris Wilson, 1905. British Columbia. Fraser
(1920); good drawing. Kabata (1973) (169).

Lepeophtheirus oblitus Kabata, 1973. Vancouver Island, British Columbia.
Kabata (1973).

LERNAEOCERIDAE

Haemobaphes sp. Juvenile. British Columbia. Gills. Arai (1969b).

DIGENEA

HEMIURIDAE

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia.
Arai (1967) (MS).

Genolinea laticauda Manter, 1925. Monterey Bay, California. Stomachs.
Chapa (1969).

OPECOELIDAE

Neohelicometra pleurogrammi (Baeva, 1968) Sekerak and Arai, 1974.

Puget Sound, Washington. Intestines. Schell (1973b) as Helicometra p.
Podocotyle atomon (Rudolphi, 1802) Odhner, 1905. Washington. Stomachs.
Kohlruss (1933).

Podocotyle sp. Dillon Beach, California.

Pyloric caeca. Johnson (1949b).

FELLODISTOMIDAE

Hexagrammia longitestis Schell, 1973. Puget Sound, Washington. Gastric
caeca. Schell (1973b).

MONOGENEA

MICROCOTYLIDAE

Microcotyle chiri Goto, 1894. Washington. Bonham (1950).

TURBELLARIA

HYPOTRICHINIDAE

Ichthyophaga subcutanea Syromjatnikova. Sea of Japan. Gill filaments.
Menitskii (1963).

HEXAGRAMMIDAE - Hexagrammos lagocephalusand Hexagrammos superciliosus Rock GreenlingSYNONYM - Lebius superciliosus

Quast (1964) synonymized Hexagrammos lagocephalus and H. superciliosus under the name H. lagocephalus. Miller and Lea (1972) rejected this synonymy, listing H. superciliosus as the California species. We have included both species, primarily because if, in the future, the species are generally recognized as synonymous, the pertinent parasite information will be available. Listings with an asterisk were listed as H. superciliosus in the original papers.

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. Sea of Japan. Intestines. Zhukov (1960a).

POLYMORPHIDAE

Corynosoma strumosum (Rudolphi, 1802) Lühe, 1904. Larva. Sea of Japan. Mesenteries. Zhukov (1960a).

Corynosoma sp. Alaska. Schiller (1954).

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808. Larva. British Columbia. Intestines.* Arai (1969b); adult. Sea of Japan. Intestines. Zhukov (1960a).

*Phyllobothrium sp. Larva. British Columbia. Intestines. Arai (1969b).

TETRAPHYLLIDEA

Scolex pleuronectis Müller, 1788. Sea of Japan. Intestines. Zhukov (1960a).

CALIGIDAE

Lepeophtheirus cuneifer Kabata, 1974. Alaska. Kabata (1974). Questionable host.

Lepeophtheirus hexagrammi Gussev, 1951. Japan. Body surfaces. Shiino (1959e).

CHONDRACANTHIDAE

Acanthochondria solida Gussev. 1951. Japan. Yamaguti (1963b).

DIGENEA

HEMIURIDAE

Genolinea anura (Layman, 1930) Yamaguti, 1954. Sea of Japan. Stomachs. Zhukov (1960a).

Hexagrammos lagocephalus, continued

Genolinea laticauda Manter, 1925. British Columbia. Stomachs.

Arai (1969b).

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia.

Intestines. Arai (1969b).

Lecithophyllum anteroporum Margolis, 1958. British Columbia.

Intestines. Arai (1969b) [= L. botryophorum - Sekerak and Arai (1973)].

Derogenes varicus (Müller, 1786) Looss, 1901. Sea of Japan. Stomachs.

Zhukov (1960a).

Genarchopsis muelleri (Levinsen, 1881) Yamaguti, 1954. Japan.

Stomachs. Machida, Araki, Kamiya and Ohbayashi (1972).

LEPOCREADIIDAE

Neophasis oculata (Levinsen, 1881) Miller, 1941. Japan. Small intestines.

Machida, Araki, Kamiya and Ohbayashi (1972).

BUCEPHALIDAE

Prosorhynchus sp. Immature. Japan. Muscles. Machida, Araki,

Kamiya and Ohbayashi (1972).

OPECOELIDAE

*Podocotyle sp. Dillon Beach, California. Intestines, caeca. Edmiston (1971).

*Podocotyle sp. Dillon Beach, California. Intestines. Edmiston (1971).

*Podocotyle sp. Dillon Beach, California. Intestines. Edmiston (1971).

Podocotyle atomon (Rudolphi, 1802) Odhner, 1905. Sea of Japan.

Intestines. Zhukov (1960a).

Podocotyle reflexa (Creplin, 1825) Odhner, 1905. Sea of Japan.

Zhukov (1960a).

Neopodocotyloides sinusaccus (Ching, 1960) Pritchard, 1966. British Columbia. Intestines. Arai (1969b).

ZOOGONIDAE

Urinatrema hirudinaceum Zhukov, 1957. Sea of Japan. Urinary bladders.

Zhukov (1960a).

*Urinatrema aspinosum Schiller, 1956. Aleutian Islands, Alaska.

Urinary bladders. Schiller (1956).

FELLODISTOMIDAE

*Anisorchis opisthorchis Polyansky, 1955. British Columbia. Intestines.

Arai (1969b).

Anisorchis zhukovi mon. nov. Sakhalin. Yamaguti (1971).

Pentagramma petrowi (Layman, 1930) Margolis and Ching, 1965. USSR

Pacific. Margolis and Ching (1965).

HETEROPHYIDAE

*Galactosomum sp. Larva. British Columbia. Gills(encysted).

Arai (1969b).

Hexagrammos lagocephalus, continued

MONOGENEA

GYRODACTYLIDAE

*Gyrodactylus vancleavi Mizelle and Kritsky, 1967. Bodega Bay, California. Skins. Mizelle and Kritsky (1967d).

MICROTYLIDAE

*Microtyle sebastis Goto, 1894. British Columbia. Gills. Arai (1969b).

Prosmicrocotyla gotoi (Yamaguti, 1934) Yamaguti, 1958. USSR. Bykhovsky (1957) as Microcotyle g.

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Body cavities.* Arai (1969b); Sea of Japan. Mesenteries. Zhukov (1960a).

Terranova decipiens (Krabbe, 1878) Johnston and Mawson, 1945. Larva. Alaska. Schiller (1954) as Porrocaecum d.

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Sea of Japan. Stomachs, intestines. Zhukov (1960a) as Contraecum a.

*Contraecum sp. Larva. British Columbia. Body cavities, stomachs. Arai (1969b).

SPIRURIDAE

*Ascarophis sebastodis Olsen, 1952. British Columbia. Intestines. Arai (1969b).

Ascarophis curvicauda Zhukov, 1960. Sea of Japan. Stomachs. Zhukov (1960a).

HEXANCHIDAE - Hexanchus griseus Sixgill Shark

CESTODA

PHYLLOBOTHRIIDAE

Phyllobothrium centrurum Southwell, 1925. Atlantic. Williams (1968).

Phyllobothrium dohrnii (Oerley, 1885) Zschokke, 1888. Chile.

Carvajal (1974); Britain. Spiral valves. Williams (1958); San Luis Obispo, California. Riser (1955) as Orygmatobothrium d.

Phyllobothrium rotundum (Klaptocz, 1906). Triest. Yamaguti (1959b).

Phyllobothrium triacis Yamaguti, 1952. Mediterranean. Williams (1968) [= Crossobothrium? t. - Williams (1968)].

Phyllobothrium lactuca Van Beneden, 1850. France. Laubier, Maillard and Oliver (1966).

Phyllobothrium sinuosiceps Williams, 1959. Chile. Carvajal (1974); Britain. Spiral valves. Williams (1958).

Hexanchus griseus, continued

Anthobothrium auriculatum (Rudolphi, 1819) Diesing, 1863. France.
Joyeux and Baer (1936).

TENTACULARIIDAE

Tentacularia megalobothrida Hart, 1936. Puget Sound, Washington.
Spiral valves. Hart (1936a).

Tetrarhynchus sp. Larva. Puget Sound, Washington. Alaska. Below
pyloric valves. Hart (1936a). [May be Nybelinia surmemicola -
Dollfus (1942)].

ONCOBOTHRIIDAE

Acanthobothrium filicolle (Zschokke, 1888) Beauchamp, 1905. France.
Euzet (1956).

Acanthobothrium paulum Linton, 1890. France. Williams (1969)
[Species incertae sedis - Goldstein (1969)].

Calliobothrium verticillatum (Rudolphi, 1819) Van Beneden, 1850.
Southwell (1925); France. Joyeux and Baer (1936).

GRILLOTIDAE

Grillotia acanthoscolex Rees, 1944. Atlantic. Intestines. Rees
(1944).

Grillotia musculara (Hart, 1936) Dollfus, 1942. Puget Sound, Washington.
Hart (1936).

Grillotia scolecina (Rudolphi, 1819). Puget Sound, Washington;
Mediterranean. Yamaguti (1959b) [poorly described - Dollfus (1942)].

Grillotia heptanchii (Vaullegeard, 1899) Dollfus, 1942. Chile.

Carvajal (1971); France. Joyeux and Baer (1936) as G. instituta.

Grillotia erinaceus (Van Beneden, 1858) Guiart, 1927. British Columbia.
Intestines. Wardle (1933b).

COPEPODA

EUDACTYLINIDAE

Protodactylina pamela Laubier, 1966. France. Branchial rays.
Laubier, Maillard and Oliver (1966).

PANDARIDAE

Demoleus hepatus (Otto, 1821) Heller, 1865. Monterey Bay, California.
External. Wilson (1935b) as D. paradoxus; France. Laubier,
Maillard and Oliver (1966).

DIGENEA

AZYGIIDAE

Otodistomum veliporum (Creplin, 1837) Stafford, 1904. Washington.
Pratt and McCauley (1961); Stomachs. Vancouver, British Columbia.
Margolis (1952).

Otodistomum plicatum Kay, 1947. Washington. Pyloric caeca. Kay
(1947).

Hexanchus griseus, continued

Otodistomum scymni (Risso, 1826) Guiart, 1938. France. Laubier, Maillard and Oliver (1966).

MONOGENEA

HEXABOTHRIIDAE

Erpocotyle taschenbergi Maillard and Oliver, 1966. France. Gills. Laubier, Maillard and Oliver (1966).

Erpocotyle grisea (Cerfontaine, 1899). France. Laubier, Maillard and Oliver (1966); Washington. Bonham (1950) as Squalonchocotyle g.

NEMATODA

PHYSALOPTERIDAE

Proleptus elegans (Oerley, 1885). Stomachs, intestines. Yamaguti (1961).

PLEURONECTIDAE - Hippoglossoides elassodon Flathead Sole

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. Kamchatka, USSR. Skryabina (1963).

POLYMORPHIDAE

Corynosoma strumosum (Rudolphi, 1802) Lühe, 1904. Larva. Kamchatka, USSR. Strelkov (1960); Sea of Japan. Intestines. Zhukov (1960a).

Corynosoma reductum (Linstow, 1905). Bering Sea. Intestines. Mamaev (1965).

CESTODA

PHYLLOBOTHRIIDAE

Phyllobothrium sp. Larva. Vancouver Island, British Columbia. Intestines. Margolis (1952).

DIPHYLLOBOTHRIIDAE

Diphyllobothrium sp. Larva. Western Kamchatka. On digestive tracts. Tsimlalyuk and Semeshko (1971).

Pyramicrocephalus phocarum (Fabricius, 1780). Larva. Pacific Ocean, Okhotsk Sea, USSR. Mamaev, Parukhin and Baeva (1963).

AMPHICOTYLIDAE

Eubothrium sp. Okhotsk Sea, USSR. Intestines. Mamaev, Parukhin and Baeva (1963).

Hippoglossoides elassodon (continued)

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Larva. Kamchatka, USSR. Body cavities, abdominal walls. Skryabina (1963); postlarva. British Columbia. Margolis (1952).

PSEUDOPHYLLIDEA

Gen. and sp. Pacific Ocean, Okhotsk Sea, USSR. Stomachs, intestines. Mamaev, Parukhin and Baeva (1963).

BOTHRIOCEPHALIDAE

Bothriocephalus sp. Okhotsk Sea, USSR. Mamaev, Parukhin and Baeva (1963).

TETRAPHYLLIDEA

Scolex pleuronectis Müller, 1788. Sea of Japan. Intestines. Zhukov (1960a).

COPEPODA

BOMOLOCHIDAE

Holobomolochus occultus Kabata, 1971. British Columbia. Gills and gill cavities. Kabata (1971).

NAOBRANCHIIDAE

Naobranchia occidentalis Wilson, 1915. Puget Sound, Washington. Gills. Villadelid (1927).

ARGULIDAE

Argulus borealis Wilson, 1912. Vancouver Island, British Columbia. Fraser (1920).

DIGENEA

HEMIURIDAE

Brachyphallus crenatus (Rudolphi, 1802) Odhner, 1905. Sea of Japan. Intestines. Zhukov (1960a).

Genarchopsis mülleri (Levinson, 1881) Yamaguti, 1954. Kamchatka, USSR. Intestines. Strelkov (1960) as Genarches m.

Hemiurus levinseni Odhner, 1905. Kamchatka, USSR. Stomachs, pyloric caeca. Skryabina (1963).

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. Sea of Japan. Intestines. Zhukov (1960a).

Derogenes varicus (Müller, 1784) Looss, 1901. Sea of Japan. Stomachs. Zhukov (1960a)

Parahemiurus merus (Linton, 1910) Woolcock, 1935. Sea of Okhotsk, USSR. Mamaev, Parukhin and Baeva (1963).

ZOOGONIDAE

Diphtherostomum microacetabulum Schulman-Albova, 1952. Sea of Okhotsk. USSR. Intestines. Mamaev, Parukhin and Baeva (1963).

Lepidophyllum pleuronectini Zhukov, 1957. Sea of Japan. Urinary bladders. Zhukov (1960a).

Hippoglossoides elassodon (continued)

Steganoderma formosum Stafford, 1904. Kamchatka, USSR. Intestines.
Skryabina (1963).

Zoogonoides viviparus (Olsson, 1868) Odhner, 1902. Sea of Japan.
Intestines. Zhukov (1960a).

BUCEPHALIDAE

Bucephalopsis gracilescens (Rudolphi, 1819). Sea of Japan. Intestines.
Zhukov (1960a).

FELLODISTOMIDAE

Stenakron quinquelobatum (Layman, 1930) Mamaev, Parukhin and Baeva,
1963. Sea of Japan. Intestines. Zhukov (1960a) as Rhodotrema g.
Stenakron vestustum Stafford, 1904. Kamchatka, USSR. Intestines.
Strelkov (1960).

Steringotrema ovacutum (Lebour, 1908) Odhner, 1911. Sea of Japan.
Intestines. Zhukov (1960a) as Rhodotrema o.

Fellodistomum furcigerum (Olsson, 1867) Yamaguti, 1954. Kamchatka,
USSR. Strelkov (1960) as Steringophorus f.

ACANTHOCOLPIDAE

Stephanostomum baccatum (Nicol, 1907) Manter, 1934. Sea of Japan.
Intestines. Zhukov (1960a).

ALLOCREADIDAE

Pseudozoogonoides microacetabulum (Schulman-Albowa, 1952) Zhukov,
1957. Kamchatka, USSR. Intestines. Skryabina (1963).

OPECOELIDAE

Decemtestis azumae (Layman, 1930) Yamaguti, 1934. Sea of Japan.
Intestines. Zhukov (1960a) as Helicometrina a.

Podocotyle atomon (Rudolphi, 1802) Odhner, 1905. Pacific Ocean.
Mamaev, Parukhin and Baeva (1963)).

SANGUINCOLIDAE

Aporocotyle simplex Odhner, 1900. Bering Sea. Mamaev (1965).

NEMATODA

ANISAKIDAE

Terranova sp. Larva. Kamchatka, USSR. Muscles, body cavities.
Skryabina (1963) as Porrocaecum sp.

Contraecum sp. Larva. Kamchatka, USSR. Kidneys, intestines,
livers, body cavities. Skryabina (1963).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Bering Sea.
Mamaev (1965); British Columbia. Stomachs, intestines. Margolis
(1952) both as Contraecum a.

Anisakis sp. Larva. Sea of Japan. Mesenteries. Zhukov (1960a);
British Columbia. Margolis (1952).

Hippoglossoides elassodon (continued)

CUCULLANIDAE

Cucullanus heterochrous Rudolphi, 1802. Pacific Ocean. Intestines.
Mamaev, Parukhin and Baeva (1963).

PLEURONECTIDAE - Hippoglossus stenolepis Pacific Halibut

SYNONYM - Hippoglossus hippoglossus stenolepis

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. Kamchatka, USSR.
Skryabina (1963).

POLYMORPHIDAE

Corynosoma strumosum (Rudolphi, 1802) Lühe, 1904. Kamchatka, USSR.
Intestines. Strelkov (1960).

Corynosoma reductum (Linstow, 1905). Larva. Bering Sea. Intestines.
Mamaev (1965).

CESTODA

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Larva. Kamchatka, USSR.
Strelkov (1960).

TETRAPHYLLIDEA

Scolex pleuronectis Müller, 1788. Kamchatka, USSR. Gallbladders,
intestines. Skryabina (1963).

COPEPODA

CALIGIDAE

Lepeophtheirus parviventris Wilson, 1905. Alaska. Kabata (1973);
body surfaces. Wilson (1905b) from "Halibut".

Lepeophtheirus pravipes Wilson, 1912. British Columbia. Bere
(1930a); Kabata (1973).

Lepeophtheirus appendiculatus Krøyer, 1863. Alaska. Gills.
Wilson (1935b).

Lepeophtheirus cuneifer Kabata, 1974. Alaska. Kabata (1974).
Questionable host.

CHONDRACANTHIDAE

Acanthochondria cornuta (Müller, 1777) Oakley, 1927. Alaska. Gill
cavities. Wilson (1935b).

Hippoglossoides stenolepis (continued)

MYXOBOLIDAE

Unicapsula muscularis Davis, 1924. Muscles. Guberlet (1933).

NEMATODA

CUCULLANIDAE

Cucullanus heterochrous Rudolphi, 1802. Kamchatka, USSR. Strelkov (1960).

ANISAKIDAE

Anisakis sp. Larva. Kamchatka, USSR. Strelkov (1960).

Contracaecum sp. Larva. Kamchatka, USSR. Livers, Kidneys, body cavities, intestines. Skryabina (1963).

Terranova decipiens (Krabbe, 1878) Johnston and Mawson, 1945.

Larva. British Columbia. Margolis (1956); Bering Sea. Mamaev (1965).

CHIMAEIDAE - Hydrolagus colliei Ratfish

CESTODA

GYROCOTYLIDAE

Gyrocotyle fimbriata Watson, 1911. Washington. Intestines. Lynch (1945).

Gyrocotyle urna (Grübe and Wagener, 1852). Washington. Intestines. Lynch (1945); British Columbia. Wardle (1932).

Gyrocotyle parvispinosa (Lynch, 1945) Land and Dienske, 1968. Pacific. Intestines. Lynch (1945) as G. urna parvispinosa.

TETRARHYNCHA

Gen. and sp. Larva. Pacific Grove, California. Pintner (1930).

COPEPODA

CHONDRACANTHIDAE

Acanthochondria holocephalarum (Bassett-Smith, 1896) Kabata, 1968. British Columbia. Claspers. Kabata (1968).

Acanthochondria epachthes (Wilson, 1908) Oakley, 1930. Monterey, La Jolla, California. Wilson (1935b); gill cavities. Wilson (1908a) as Chondracanthus e.

Acanthochondria rectangularis (Fraser, 1920) Markevich, 1957. British Columbia. Bere (1930a) as Chondracanthus r. from "ratfish".

CALIGIDAE

Caligus sp. La Jolla, California. Wilson (1908a) as C. gurnardi.

DIGenea

CEPHALOPORIDAE

Plectognathotrema hydrolagi Olson, Hanson, Pratt, 1970. Newport, Oregon. Olson and Pratt (1970).

Hydrolagus colliei (continued)

AZYGIIDAE

Otodistomum hydrolagi Schell, 1972. San Juan Island, Washington. Coeloms.
Schell (1972).

RUGOGASTRIDAE

Rugogaster hydrolagi Schell, 1973. San Juan Island, Washington. Rectal
glands. Schell (1973a).

ISOPODA

AEGIIDAE

Rocinela belliceps (Stimpson, 1864) Richardson, 1899. Richardson
(1905).

MONOGENEA

CHIMAERICOLIDAE

Chimaericola leptogaster (Leuckart, 1830) Brinkman, 1942. Washington.
Bonham (1950) as Octobothrium l.

NEMATODA

ANISAKIDAE

Anisakis or Porrocaecum sp. Larva. British Columbia. Smedley (1934)
as Contracaecum sp.

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Leptotheca fisheri (Jameson, 1929) Kudo, 1933. Monterey, California.
Gallbladders. Jameson (1929) as Ceratomyxa f.

EMBIOTOCIDAE - Hyperprosopon anale Spotfin Surfperch

COPEPODA

PHILICHTHYIDAE

Colobomatus embiotocae Nobel, Collard and Wilkes, 1969. Tomales Bay,
California. Preopercular-mandibular canals. Iverson (1972).

DIGENEA

OPECOELIDAE

Genitocotyle acirra Park, 1937. California. Arai (1967). as G. acirrus.

MONORCHIIDAE

Telolecithus pugetensis Lloyd and Guberlet, 1932. California. Arai
(1967).

Hyperprosopon anale (continued)

MONOGENEA

GYRODACTYLIDAE

Archigyrodactylus leibyi Mizelle and Kritsky, 1967. Bodega Bay, California. Skins. Mizelle and Kritsky (1967b).

EMBIOTOCIDAE - Hyperprosopon argenteum Walleye Surfperch

COPEPODA

PHILICHTHYIDAE

Colobomatus embiotocae Noble, Collard and Wilkes, 1969. Goleta, California. Under skin covering cheekridge, around eyes, in cephalic sensory canal systems. Noble, Collard and Wilkes (1969).

ARGULIDAE

Argulus pugettensis Dana, 1852. California. Wilson (1924).

DIGENEA

OPECOELIDAE

Genitocotyle acirra Park, 1937. California. Arai (1967); Bodega and Tomales Bays, California. Rodella and Nahhas (1969) as G. acirrata.

CRYPTOGONIMIDAE

Neochasmus sp. California. Arai (1967).

HAPLOSPLANCHNIDAE

Schikhobalotrema girellae (Manter and Van Cleave, 1951) Skrjabin and Guschanskaja, 1955. California. Arai (1967).

MONORCHIIDAE

Lasiotocus sp. California. Arai (1967).

Telolecithus pugettensis Lloyd and Guberlet, 1932. Tomales and Bodega Bays, California. Rodella and Nahhas (1969).

ACANTHOCOLPIDAE

Stephanostomum sp. Immature. Tomales and Bodega Bays, California. Rodella and Nahhas (1969).

Stephanostomum casum (Linton, 1910) McFarlane, 1936. Immature. Tomales Bay, California. Chapa (1969) "...probably immature forms of this species".

MONOGENEA

GYRODACTYLIDAE

Archigyrodactylus leibyi Mizelle and Kritsky, 1967. Bodega Bay, California. Skins. Mizelle and Kritsky (1967b).

Hyperprosopon argenteum (continued)

ISOPODA

CYMOTHOIDAE

Livoneca vulgaris Stimpson, 1857. California. Gills. Richardson (1905).

EMBIOTOCIDAE - Hyperprosopon ellipticum Silver Surfperch

DIGenea

OPECOELIDAE

Genitocotyle acirra Park, 1937. Tomales and Bodega Bays, California. Rodella and Nahhas (1969) as G. acirrata.

HEMIURIDAE

Tubulovesicula lindgergi (Layman, 1930) Yamaguti, 1934. Tomales and Bodega Bays, California. Rodella and Nahhas (1969).

MONOGENEA

GYRODACTYLIDAE

Archigyrodactylus leibyi Mizelle and Kritsky, 1967. Bodega Bay, California. Skins. Mizelle and Kritsky (1967b).

OSMERIDAE - Hypomesus pretiosus Surf Smelt

DIGenea

FELLODISTOMIDAE

Pentagramma petrowi (Layman, 1930) Margolis and Ching, 1965. British Columbia. Pyloric caeca, intestines. Margolis and Ching (1965).

NEMATODA

ANISAKIDAE

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. British Columbia. Stomachs, intestines. Margolis (1952) as Contracaecum a.
Contracaecum sp. Larva. British Columbia. Mesenteries, stomachs, livers. Margolis (1952).
Anisakis sp. Larva. Washington. Loose in body cavities and encysted in livers. Kilambi and DeLacy (1967).

BLENNIIDAE - Hypsoblennius gilberti Rockpool Blenny

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Ceratomyxa blennius Noble, 1938. Santa Barbara, California. Gallbladders. Noble (1938).

BOTHIDAE - Hypsopsetta guttulata Diamond Turbot

COPEPODA

CALIGIDAE

Lepeophtheirus dissimulatus Wilson, 1905. Ensenada, Baja California, Mexico. Causey (1960).

DIGenea

HEMIURIDAE

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. San Quintin, Baja California, Mexico. Stomachs. King (1962).

EMBIOTOCIDAE - Hypsurus caryi Rainbow Surfperch

COPEPODA

PHILICHTHYIDAE

Colobomatus embiotocae Noble, Collard and Wilkes, 1969. Goleta, California. Under skin covering cheek ridge, around eyes, in the cephalic sensory canal systems. Noble, Collard and Wilkes (1969).

LERNAEIDAE

Peniculus fissipes Wilson, 1917. La Jolla, California. Embedded in fins. Hobson (1971).

DIGenea

ZOOGONIDAE

Neozoogonus californicus Arai, 1954. California and Mexican Pacific. Intestines. Arai (1962).

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Myxidium oviforme Parisi, 1912. Monterey, California. Gallbladders. Jameson (1929).

POMACENTRIDAE - Hypsypops rubicunda Garibaldi

COPEPODA

CALIGIDAE

Caligus hobsoni Cressey, 1969. La Jolla, California. Cressey (1969a).
Lepeophtheirus sp. La Jolla, California. Body surfaces. Hobson (1971).

LERNAEIDAE

Peniculus fissipes Wilson, 1917. Corona del Mar, California. External fins. Wilson (1935b).

BOMOLOCHIDAE

Holobomoluchus ardeole (Krøyer, 1864) Vervoort, 1969. La Jolla, California. Branchial cavities. Hobson (1971) as Bomolochus a; gill filaments. Wilson (1908a) as Artacolax a.

DIGenea

HEMIURIDAE

Genolinea tanyopa Montgomery, 1957. La Jolla, California. Stomachs. Montgomery (1957).

ISOPODA

Gnathiid larva. La Jolla, California. On bodies. Hobson (1971).

COTTIDAE - Icelinus filamentosus Threadfin Sculpin

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. British Columbia. Intestines. Arai (1969b).

CESTODA

PHYLLOBOTHRIDAE

Phyllobothrium sp. Larva. British Columbia. Intestines. Arai (1969b).

NEMATODA

ANISAKIDAE

Contracaecum sp. Larva. British Columbia. Body cavities. Arai (1969b).

COTTIDAE - Icelinus tenuis Spotfin Sculpin

CESTODA

PHYLLOBOTHRIDAE

Phyllobothrium sp. Larva. British Columbia. Intestines. Arai (1969b).

Icelinus tenuis (continued)

DIGenea

HEMIURIDAE

Gen. and sp. Immature. British Columbia. Stomachs. Arai (1969b).

ICOSTEIDAE - Icosteus aenigmaticus Ragfish

SYNONYM - Acrotus willoughbyi

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Margolis (1952).

GOBIIDAE - Ilypnus gilberti Cheekspot Goby

DIGenea

HEMIURIDAE

Lecithaster minimus Martin and Multani, 1970. Mission Bay, California.
Brooks and Brothers (1974).

CESTODA

DASYRHYNCHIDAE

Callitetrarhynchus sp. Larva. Mission Bay, California. Brooks and
Brothers (1974).

TETRAPHYLLIDEA

Scolex pleuronectis Müller, 1788. Mission Bay, California. Gall-
bladders, intestines, mesenteries. Brooks and Brothers (1974).

CAMALLANIDAE

Spirocamallanus sp. Mission Bay, California. Brooks and Brothers
(1974).

PLEURONECTIDAE - Isopsetta isolepis Butter Sole

COPEPODA

CALIGIDAE

Lepeophtheirus cuneifer Kabata, 1974. Alaska. Kabata (1974).
Questionable host.

Isopsetta isolepis (continued)

DIGenea

HEMIURIDAE

Derogenes varicus (Müller, 1784) Looss, 1901. Washington. Ching (1960a).

Genolinea laticauda Manter, 1925. Monterey Bay, California. Intestines. Nahhas (1960).

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Washington. Ching (1960a).

ZOOgonIDAE

Zoogonus dextrocirrus Aldrich, 1961. Washington. Intestines. Aldrich (1961).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. Mesenteries, muscles, etc. British Columbia. Margolis (1952).

PROTOzoA (CILIOPHORA)

Trichodinids. British Columbia. Gills. Bell (1962).

ISTIOPHORIDAE - Istiophorus platypterus Sailfish

SYNONYMS - Histiophorus americanus, Histiophorus orientalis, Istiophorus americanus, Istiophorus greyi, Istiophorus orientalis

ACANTHOCEPHALA

RHADINORHYNCHIDAE

Rhadinorhynchus pristis (Rudolphi, 1802) Lühe, 1911. Gulf of Mexico. Nikolaeva (1968b) as Nipporhynchus katsuwonus.

CESTODA

TENTACULARIIDAE

Tentacularia sp. Larva. Gulf of Mexico. Nikolaeva (1968b).

BOTHRIOCEPHALIDAE

Bothriocephalus manubriiformis (Linton, 1889) Ariola, 1900. Gulf of Mexico. Nikolaeva (1968b); Hawaii. Intestines. Yamaguti (1968a); Massachusetts. Linton (1941).

COPEPODA

PENNELLIDAE

Pennella filosa (Linnaeus, 1758). Guaymas, Mexico. Causey (1960).

Istiophorus platypterus (continued)

CALIGIDAE

Caligus quadratus Shiino, 1954. Japan. Body surfaces. Shiino (1959d).

EURYPHORIDAE

Gloiopotes huttoni (Thompson, 1890) Bassett-Smith, 1899. Indian Ocean. Cressey (1967b); Panama Bay. Wilson (1937a); Mexico. Causey (1960) previous two as G. costatus.

Gloiopotes watsoni Kirtisinghe, 1934. Pacific coast of Mexico. Cressey (1967b).

Gloiopotes americanus Cressey, 1967. Gulf of Mexico. Cressey (1967b).

DIGENEA

HEMIURIDAE

Parahemiurus sardiniae Yamaguti, 1934. Japan. Stomachs. Yamaguti (1934a).

Dinurus scombri Yamaguti, 1934. Gulf of Mexico. Nikolaeva (1968b).

HIRUDINELLIDAE

Hirudinella ampullacea (Buttel-Reepen, 1900) Skrjabin and Guschanska, 1957. Gulf of Mexico. Nikolaeva (1968b).

Hirudinella spinulosa Yamaguti, 1938. Gulf of Mexico. Nikolaeva (1968b) as Uroproctinella s. [= H. marina - Nigrelli and Stunkard (1947)].

Hirudinella marina Garcin, 1730. Miami, Florida. Stomachs. Ward (1954).

DIDYMOZOIDAE

Colocyntotrema sp. Gulf of Mexico. Nikolaeva (1968b).

MONOGENEA

CAPSALIDAE

Tristomella pricei (Hidalgo, 1959) Price, 1960. Panama Bay. Pritchard (1961).

Caballerocotyla marielenae Lamothe - Argumedo, 1968. Oaxaca, Mexico. Gills. Lamothe - Argumedo (1968).

Capsala ovalis (Goto, 1894) Price, 1938. Hawaii. Gill plates. Yamaguti (1968b).

Capsala sp. Gulf of Mexico. Nikolaeva (1968b).

Benedenia sp. Gulf of Mexico. Nikolaeva (1968b).

Capsaloides istiophori Yamaguti, 1968. Hawaii. Gills. Yamaguti (1968b).

NEMATODA

ANISAKIDAE

Thynnascaris histiophori (Yamaguti, 1935) Miami, Florida. Stomachs. Ward (1954); Japan. Yamaguti (1961).

Thynnascaris incurva (Rudolphi, 1819). Gulf of Mexico. Nikolaeva (1968b) as Contracaecum i.

LAMNIDAE - Isurus oxyrinchus Bonito Shark

SYNONYMS - Isuropsis glauca, Isurus tigris, Isurus glaucus, Isurus dekayi,
Isurus nasus

CESTODA

ONCOBOTHRIIDAE

Platybothrium parvum Linton, 1901. Woods Hole, Massachusetts. Yamaguti (1959b).

Ceratobothrium xanthocephalum Monticelli, 1892. Japan. Yamaguti (1959b); France. Euzet (1956); New Zealand. Spiral valves. Robinson (1959a).

SPHYRIOCEPHALIDAE

Sphyriocephalus tergestinus Pintner, 1913. Japan. Dollfus (1942).

HEPATOXYLIDAE

Hepatoxylon trichiuri (Holten, 1802) Dollfus, 1942. Postlarva. New Zealand. Body cavities. Robinson (1959a).

GYMNORHYNCHIDAE

Gymnorhynchus isuri Robinson, 1959. New Zealand. Spiral valves. Robinson (1959a).

Gymnorhynchus gigas (Cuvier, 1817). San Diego, California. Heinz and Dailey (1974).

Molicola horridus (Goodsir, 1841). San Diego, California. Heinz and Dailey (1974).

PHYLLOBOTHRIIDAE

Phyllobothrium tumidum Linton, 1922. France. Euzet (1956).

TENTACULARIIDAE

Nybelinia pintneri Yamaguti, 1934. San Diego, California. Heinz and Dailey (1974).

Nybelinia lingualis (Cuvier, 1817) Dollfus, 1929. Mediterranean. Intestines. Dollfus (1942).

Nybelinia robusta (Linton, 1890) Dollfus, 1930. Massachusetts. Spiral valves. Dollfus (1942).

COPEPODA

PANDARIDAE

Pandarus bicolor Leach, 1816. Pacific. Hewitt (1967).

Pandarus satyrus Dana, 1852. South America. Mouths, gill arches. Cressey (1968); Japan. Shiino (1954e); New Zealand. Buccal cavities, body surfaces. Hewitt (1967) as P. cranchii.

Pandarus smithii Rathbun, 1886. North Atlantic, Indian Ocean. Mouths, body surfaces. Cressey (1968).

Pandarus katoii Cressey, 1967. South America. Mouths, gill arches. Cressey (1968).

Isurus oxyrinchus (continued)

- Echthrogaleus coleoptratus (Guerin, 1817) Wilson, 1907
Japan. Buccal cavities, body surfaces. Shiino (1954e); Massachusetts.
Wilson (1932).
- Echthrogaleus denticulatus Smith, 1874. La Jolla, California, Central
Pacific, Chile, Peru, Indian Ocean. Body surfaces. Cressey (1968);
Indian Ocean; Japan. Buccal cavities, body surfaces. Shiino (1954e).
- Nesippus borealis (Steenstrup and Lütken, 1861) Wilson, 1907. Body
surfaces. Hewitt (1967).
- Gangliopus pyriformis Gerstaecker, 1854. South America. Cressey (1968).
- Phyllothereus cornutus (Edwards, 1840) Bassett - Smith, 1899. South
America. Gill chambers. Cressey (1968); New Zealand. Hewitt (1967).
- Dinemoura latifolia Steenstrup and Lütken, 1861. Western North America,
Caribbean Sea, Indian Ocean, west coast South America, central Pacific.
Body surfaces. Cressey (1968); New Zealand. Buccal cavities, gills.
Hewitt (1967).
- Dinemoura producta (Müller, 1785) Latreille, 1829. North Atlantic,
La Jolla, California, Chile, Peru. Fins. Cressey (1968).

CALIGIDAE

- Caligus coryphaenae Steenstrup and Lütken, 1861. Japan. Body surfaces.
Shiino (1959e).

ANTHOSOMATIDAE

- Anthosoma crassum (Abildgaard, 1794) Gould, 1841. La Jolla, California,
central Pacific, New Jersey, Indian Ocean, north Atlantic, Chile, Peru.
Between teeth. Cressey (1968); British Columbia. Margolis (1952);
New Zealand. Buccal cavities. Hewitt (1968c); South Africa. Barnard
(1955).

EUDACTYLINIDAE

- Nemesis lamna Risso, 1826. La Jolla, California, Indian Ocean, Chile,
Peru, Mediterranean. Gill filaments. Cressey (1968); New Zealand.
Hewitt (1969c).

EURYPHORIDAE

- Elytrophora brachyptura Gerstaecker, 1853. Japan. Inner surfaces of
gill operculums. Shiino (1959e) as E. hemiptera.

NEMATODA

ANISAKIDAE

- Anisakis sp. Larva. New Zealand. Stomachs. Hewitt and Hine (1972).

COTTIDAE - Jordania zonope Longfin Sculpin

NEMATODA

ANISAKIDAE

- Contraecaecum sp. Larva. British Columbia. Body cavities. Arai
(1969b).

KYPHOSIDAE - Kyphosus analogus

DIGenea

Waretrematidae

Megasolena kyphosi Sogandares - Bernal, 1959. Gulf of Panama.
Intestines. Sogandares - Bernal (1959).

Lamnidae - Lamna ditropis Salmon Shark

SYNONYMS - Lamina nasus, L. cornubica

Cestoda

Tentaculariidae

Nybelinia sp. Monterey, California. Spiral valves. Riser (1955).
Nybelinia palliata (Linton, 1924). Dollfus, 1929. San Diego,
California. Young (1954).

Phyllobothriidae

Dinobothrium septaria Van Beneden, 1889. Monterey Bay, California.
Spiral valves. Riser (1955).
Dinobothrium simile Van Beneden, 1889. Monterey Bay, California.
Spiral valves. Riser (1955).
Phyllobothrium tumidum Linton, 1922. Monterey, California. Spiral
valves. Riser (1955).

Copepoda

Pandaridae

Echthrogaleus coleoptratus (Guerin, 1817) Wilson, 1907
Japan. Body surfaces. fins. Shiino (1957) -
British Columbia. Bere (1930a); New Zealand. Hewitt (1967).
Dinematura latifolia Steenstrup and Lutken, 1861. Monterey Bay,
California. Outer surfaces. Wilson (1935b); Japan. Shiino (1957).
Dinematura affinis Thomsen, 1949. Japan. Body surfaces, fins.
Shiino (1957).

Anthosomatidae

Anthosoma crassum (Abildgaard, 1794) Gould, 1841. Monterey Bay,
California. Outer surfaces. Wilson (1935b); Japan. Buccal
cavities. Shiino (1955c); New Zealand. Hewitt (1968c).

Eudactylinidae

Nemesis lamna Risso, 1826. San Pedro, California. Gills. Wilson
(1935b).

Myctophidae - Lampanyctus regalis

Nematoda

Anisakidae

Anisakis sp. Larva. San Nicholas Basin, California. Coeloms.
Collard (1968).

MYCTOPHIDAE - Lampanyctus ritteri Broadfin Lampfish

CESTODA

TETRAPHYLLIDEA

Gen. and sp. Larva. Catalina Basin, West Cortez Basin, California. Hearts, pyloric caeca, intestines. Collard (1968).

PSEUDOPHYLLIDEA

Gen. and sp. Larva. Catalina Basin, California. Intestines. Collard (1968).

FUNGUS

West Cortez Basin, California. Many parts of bodies. Collard (1968).

MONOGENEA

MACROVALVITREMATIDAE

Gen. and sp. West Cortez Basin, California. Gills. Collard (1968).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. Catalina Basin, West Cortez Basin, California, Oregon. Livers, hearts, mesenteries, kidneys, coeloms, peritoneums. Collard (1968).

Paranisakis sp. Larva. Catalina Basin, California. Gonads. Collard (1968).

Contraecum sp. Larva. Catalina Basin, California. Mesenteries. Collard (1968).

-SEE ADDENDUM

PETROMYZONTIDAE - Lampetra tridentata Pacific Lamprey

DIGENEA

NANOPHYETIDAE

Nanophyetus salmincola (Chapin, 1926) Chapin, 1927. Metacercaria. Oak Creek, Oregon. Gebhardt, Millemann, Knapp and Nyberg (1966).

CESTODA

PHYLLOBOTHRIIDAE

Phyllobothrium sp. Immature adults. British Columbia. Digestive tracts. Bangham and Adams (1954).

NEMATODA

ANISAKIDAE

Pseudanisakis rotundata (Rudolphi, 1819) Mozgvoi, 1950. Oregon. Shaw (1947) as Anacanthocheilus r.

DIOCTOPHYMIDAE

Eustrongylides sp. Larva. British Columbia. Bangham and Adams (1954).

LAMPRIDIDAE - Lampris regius Opah

CESTODA

PHYLLOBOTHRIIDAE

Phyllobothrium caudatum (Zschokke and Heitz, 1914). Pacific coast of Japan. Intestines. Yamaguti (1963a) as Pelichnibothrium speciosum.

COPEPODA

LERNAEPODIDAE

Clavellistes shoyoae Shiino, 1963. Pacific. External, around the eyes. Shiino (1963a).

Brachiella regia Lewis, 1967. Hawaii. Gill arches. Lewis (1967).

DIGenea

HEMIURIDAE

Lampritrema nipponicum Yamaguti, 1940. Pacific Ocean off Baja California. Intestines. Arai (1962); Japan. Stomachs. Yamaguti (1940).

Lampritrema hawaiiense Yamaguti, 1970. Hawaii. Stomachs. Yamaguti (1970).

DIDYMOZOIDAE

Lamprididymozoon lampridis (Yamaguti, 1940) Yamaguti, 1971. Pacific coast of Japan. Gill filaments, arches. Yamaguti (1940) as Nematobothrium l.

Metadidymocystis cymbiformis Yamaguti, 1970. Hawaii. Muscles. Yamaguti (1970).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. New Zealand. Viscera, mesenteries, under peritoneums. Hewitt and Hine (1972).

SCOMBRIDAE - Lepidocybium flavobrunneum Escolar

CESTODA

AMPHICOTYLIDAE

Pseudeubothrioides lepidocybii Yamaguti, 1968. Hawaii. Intestines. Yamaguti (1968a).

DIGenea

DIDYMOZOIDAE

Allometanematobothrioides lepidocybii Yamaguti, 1965. Hawaii. Tissues. Yamaguti (1965a).

HEMIURIDAE

Ectenurus lepidocybii Yamaguti, 1970. Hawaii. Stomachs. Yamaguti (1970).

Lepidocybium flavobrunneum (continued)

MONOGENEA

DISCOCOTYLIDAE

- Pseudopisthogyne lepidocybii Yamaguti, 1965. Hawaii. Gills.
Yamaguti (1968b).
Allopseudopisthogyne constricta Yamaguti, 1965. Hawaii. Gills.
Yamaguti (1968b).
Pseudopisthognopsis lepidocybii Yamaguti, 1965. Hawaii. Gills.
Yamaguti (1968b).

PLEURONECTIDAE - Lepidopsetta bilineata Rock Sole

ACANTHOCEPHALA

ECHINORHYNCHIDAE

- Metechinorhynchus laginiformis (Ekbaum, 1938) Golvan, 1969. British Columbia. Intestines. Ekbaum, 1938 as Echinorhynchus 1.
Echinorhynchus gadi Zoega in Müller, 1776. British Columbia. Intestines. Margolis (1952); Kamchatka, USSR. Strelkov (1960).

POLYMORPHIDAE

- Corynosoma strumosum (Rudolphi, 1802) Lühe, 1904. Juveniles. British Columbia. Livers, mesenteries, intestinal walls. Ekbaum (1938); Kamchatka, USSR. Strelkov (1960).

CESTODA

BOTHRIOCEPHALIDAE

- Bothriocephalus sp. Larva. British Columbia. Intestines. Arai (1969b).

PHYLLOBOTHRIDAE

- Phyllobothrium sp. Larva. British Columbia. Intestines. Arai (1969b).

TENTACULARIIDAE

- Nybelinia surmenicola Okada, 1929. Postlarval. British Columbia. Stomach walls. Margolis (1952).

PSEUDOPHYLLIDEA

- Gen. and sp. Pleurocercoid. British Columbia. Cyst in stomach walls. Margolis (1952).
Gen. and sp. Pacific Ocean. Stomachs, intestines. Mamaev, Parukhin and Baeva (1963).

AMPHICOTYLIDAE

- Eubothrium sp. Pacific Ocean. Intestines. Mamaev, Parukhin and Baeva (1963).

TETRAPHYLLIDEA

- Scolex pleuronectis Müller, 1788. Sea of Japan. Zhukov (1960a).

Lepidopsetta bilineata (continued)

COPEPODA

NAOBRANCHIIDAE

Naobranchia occidentalis Wilson, 1915. British Columbia. Bere (1930).

CALIGIDAE

Lepeophtheirus bifidus Fraser, 1920. Vancouver Island, British Columbia. Body surfaces. Fraser (1920); good drawing. Kabata (1973).

Lepeophtheirus hospitalis Fraser 1920. British Columbia. Kabata (1973); British Columbia. Bere (1930a).

Lepeophtheirus parviventris Wilson 1905. British Columbia. Kabata (1973); outside surfaces. Wilson (1908a).

LERNAEOPODIDAE

Nectobranchia indivisa Fraser, 1920. British Columbia. Gills. Kabata (1970).

LERNAEOCERIDAE

Haemobaphes sp. Juveniles. British Columbia. Gills. Arai (1969b).

ARGULIDAE

Argulus borealis Wilson, 1912. Nanaimo, British Columbia. Beneath pectoral fins. Wilson (1912).

DIGENEA

ZOOGONIDAE

Pseudozoogonoides microacetabulum (Schulman - Albova, 1952) Zhukov, 1957. Kamchatka, USSR. Intestines. Strelkov (1960).

Zoogonus dextrocirrus Aldrich, 1961. Washington. Intestines. Aldrich (1961).

Zoogonoides viviparus (Olsson, 1868) Odhner, 1902. Sea of Japan. Zhukov (1960).

Lepidophyllum pleuronectini Zhukov, 1958. Pacific Ocean. Urinary bladders. Mamaev, Parukhin and Baeva (1963).

Diphtherostomum microacetabulum Schulman - Albova, 1957. Pacific Ocean. Mamaev. Parukhin and Baeva, 1963.

Steganoderma formosum Stafford, 1904. Kamchatka, USSR. Intestines. Strelkov (1960).

HEMIURIDAE

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Oregon. Stomachs. McCauley (1960).

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia. Intestines. Arai (1969). Kamchatka, USSR. Strelkov (1960).

Hemiurus levinseni Odhner, 1905. Kamchatka, USSR. Intestines. Strelkov (1960).

Brachyphallus crenatus (Rudolphi, 1802) Odhner, 1905. Kamchatka, USSR. Strelkov (1960).

Lepidopsetta bilineata (continued)

Genarchopsis mulleri (Levinsen, 1881) Yamaguti, 1954. Kamchatka, USSR. Intestines. Strelkov (1960) as Genarches m.

LEPOCREADIIDAE

Lepidapedon gadi (Yamaguti, 1934) Acena, 1947. Kamchatka, USSR. Strelkov (1960).

FELLODISTOMIDAE

Fellodistomum furcigerum (Olsson, 1867) Yamaguti, 1954. Sea of Japan. Intestines. Zhukov (1960a) as Stringophorus f.

Stenakron vetustum Stafford, 1904. Kamchatka, USSR. Strelkov (1960); Sea of Japan. Zhukov (1960a) as Rhodotrema quinquelobota.

Stringotrema ovacutum (LeBour, 1908) Odhner, 1911. Pacific Ocean. Mamaev, Parukhin and Baeva (1963) as Rhodotrema o.

ACANTHOCOLPIDAE

Stephanostomum baccatum (Nicol, 1907) Manter, 1934. Kamchatka, USSR. Intestines. Strelkov (1960).

BUCEPHALIDAE

Bucephalopsis gracilescens (Rudolphi, 1819). Kamchatka, USSR. Intestines. Strelkov (1960).

OPECOELIDAE

Podocotyle atomon (Rudolphi, 1802) Odhner, 1905. Kamchatka, USSR. Intestines. Strelkov (1960).

Podocotyle gibbonsiae Johnson, 1949. Puget Sound, Washington. Intestines. Aldrich (1960).

AZYGIIDAE

Otodistomum veliporum (Creplin, 1837) Stafford, 1904. British Columbia. Cysts in connective tissue of stomach walls. Margolis (1952).

Otodistomum sp. Metacercaria. British Columbia. Margolis (1952).

NEMATODA

ANISAKIDAE

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Kamchatka, USSR. Intestines. Strelkov (1960) as Contracecum a.

Terranova sp. Larva. Kamchatka, USSR. Strelkov (1960) as Porrocaecum sp.

Anisakis sp. Larva. British Columbia. Muscles, mesenteries. Margolis (1952); Kamchatka, USSR. Strelkov (1960).

SPIRURIDAE

Ascarophis pacificus Zhukov, 1960. Pacific Ocean. Mamaev, Parukhin and Baeva (1963).

Lepidopsetta bilineata (continued)

TRICHURIDAE

Capillaria sp. British Columbia. Intestines. Margolis (1952) as
C. lepidopsettae; stomachs. Arai (1969b).

CUCULLANIDAE

Cucullanus heterochous Rudolphi, 1802. Sea of Japan. Intestines.
Zhukov (1960a).

Cucullanus sp. British Columbia. Intestines. Arai (1969b).

PHILOMETRIDAE

Philometra americana Kuitunen - Ekbaum, 1933. British Columbia.
Tissues, body cavities. Kuitunen - Ekbaum (1933a).

PROTOZOA (CILIOPHORA)

URCEOLARIIDAE

Trichodina borealis Shulman and Shulman - Albova, 1953. Sea of Japan.
Lom and Laird (1969).

COTTIDAE - Leptocottus armatus Staghorn Sculpin

ACANTHOCEPHALA

POLYMORPHIDAE

Corynosoma strumosum (Rudolphi, 1802) Ldhe, 1904. Larva. Washington.
Van Cleave (1953).

Corynosoma sp. Juvenile. British Columbia. Intestines. Arai (1969b).

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. Coos Bay, Oregon. Intestines.
Dunlap (1951); British Columbia. Arai (1969b).

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808. British Columbia.
Pyloric caeca. Wardle (1932).

Bothriocephalus occidentalis (Linton, 1898). British Columbia. Pyloric
caeca. Wardle (1932).

COPEPODA

BOMOLOCHIDAE

Holobomolochus spinulus (Cressey, 1969) Kabata 1971. Nanaimo, British
Columbia. Gills. Kabata (1971).

CHONDRACANTHIDAE

Acanthochondria rectangularis (Fraser, 1920) Markevich, 1957.
Oregon. Gill cavities. Millemann (1970).

Leptocottus armatus (continued)

CALIGIDAE

Lepeoptheirus cuneifer Kabata, 1974. Alaska. Kabata (1974) possible host.

ERGASILIDAE

Ergasilus sp. Mugu Lagoon, California. Body surfaces. Baker (1975b).

DIGENEA

OPECOELIDAE

Opecoeloides sp. Nick's Cove, California. Intestines. Johnson (1949b) as Cymbephallus ?.

Podocotyle atomon (Rudolphi, 1802) Odhner, 1905. British Columbia. Intestines. McFarlane (1936).

Podocotyle olssoni Odhner, 1905. Oregon. Pratt and McCauley (1961).

Podocotyle reflexa (Creplin, 1825) Odhner, 1905. British Columbia. McFarlane (1936); Oregon. Pratt and McCauley (1961); Washington. Intestines. Aldrich (1960).

Podocotyle blennicottusi Park, 1937. Puget Sound, Washington. Intestines. Aldrich (1960) as P. pacifica.

Podocotyle sp. Dillon Beach, California. Intestines. Edmiston (1971).

Neopodocotylodes pedunculatus (Park, 1937) Pritchard, 1966. Washington. Intestines. Ching (1960a) as Podocotyle p.

Neopodocotylodes sinusaccus (Ching, 1960) Pritchard, 1966. British Columbia. Intestines. Arai (1969b); Washington. Intestines. Ching (1960a) as Podocotyle s.

Helicometrina nimia Linton, 1910. La Jolla, California. Intestines. Montgomery (1957).

BUCEPHALIDAE

Bucephalopsis ozakii (Ozaki, 1928) Nagaty, 1937. Oregon. Pratt and McCauley (1961).

Rhipidocotyle elongata McFarland, 1936. British Columbia. Intestines. Arai (1969b).

HEMIURIDAE

Derogenes varicus (Müller, 1784) Looss, 1901. Washington. Lloyd (1938).

Genolinea laticauda Manter, 1925. Oregon. McCauley (1960); British Columbia. Stomachs. Arai (1969b); Tomales Bay, California. Chapa (1969).

Genolinea manteri Lloyd, 1938. Washington. Stomachs. Lloyd (1938).

Genolinea montereyensis Annereaux, 1947. Oregon. McCauley (1960).

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. Washington. Ching (1960a) as L. salmonis.

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Oregon. Stomachs. McCauley (1960); Washington. Ching (1960a); British Columbia. Arai (1969b); Tomales Bay, California. Chapa (1969); Baja California, Mexico. King (1962).

Leptocottus armatus (continued)

ACANTHOCOLPIDAE

Stephanostomum casum (Linton, 1910) McFarlane, 1936. Tomales Bay, California. Intestines. Chapa (1969).

Stephanostomum sp. Metacercaria. Tomales Bay, California. Fins, gill rakers, digestive tracts. Hughes (1952).

MONOGENEA

GYRODACTYLIDAE

Gyrodactylus armatus Crane and Mizelle, 1967. Bodega Bay, Pacific Ocean, California. Skins. Crane and Mizelle (1967).

Gyrodactylus sculpinus Crane and Mizelle, 1967. Bodega Bay, Pacific Ocean, California. Skins. Crane and Mizelle (1967).

Gyrodactylus sp. Mugu Lagoon, California. Gills. Baker (1975b).

CAPSALIDAE

Neobenedenia girellae (Hargis, 1955) Yamaguti, 1963. La Jolla, California. Hargis (1955a) as Benedenia g.

NEMATODA

CAMALLANIDAE

Spirocamallanus pereirai (Annereaux, 1946) Olsen, 1952. California. Intestines. Noble and King (1960).

ANISAKIDAE

Contracaecum magnum Smedley, 1934. Nanaimo, British Columbia. Smedley (1934).

Contracaecum sp. Coos Bay, Oregon. Dunlap (1951); larva. British Columbia. Body cavities. Arai (1969b).

Anisakis sp. Coos Bay, Oregon. Dunlap (1951); larva. British Columbia. Body cavities. Arai (1969b).

PROTOZOA (CILIOPHORA)

URCEOLARIIDAE

Trichodina sp. Mugu Lagoon, California. Gills. Baker (1975b).

SCYPHIDIIDAE

Ambipherya sp. Mugu Lagoon, California. Gills. Baker (1975b).

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Ceratomyxa tenuis Fujita, 1923. Monterey, California. Gallbladders. Jameson (1929).

Ceratomyxa crassa Jameson, 1929. Monterey, California. Gallbladders. Jameson (1929).

ATHERINIDAE - Leuresthes tenuis California Grunion

CESTODA

LACISTORHYNCHIDAE

Lacistorhynchus tenuis (Van Beneden, 1858) Dollfus, 1929. Plercercoid.
San Diego, California. Muscles, abdominal areas. Olson (1975b).

COPEPODA

BOMOLOCHIDAE

Bomolochus cunaetus Fraser, 1920. Mission Beach, Coronado Strand,
California. Gill chambers, usually on underside of operculums.
Olson (1972) as Bomolochus pectinatus.

CALIGIDAE

Caligus olsoni Pearse, 1953. Mission Beach, San Diego, California.
Skins. Pearse (1953); Olson (1972).

LERNAEOPODIDAE

Clavellopsis sp. Mission Beach, California to Estero Beach, Baja
California. Mouths, pharynxes. Olson (1972).

ARGULIDAE

Argulus melanostictus Wilson, 1935. Del Mar, California; Estero Beach,
Baja California, Mexico. Fins. Olson (1972).

DIGenea

BUCEPHALIDAE

Bucephalopsis labiatus Manter and Van Cleave, 1951. Metacercaria.
San Diego, California. Muscle of heart ventricles. Olson (1975a).

MONORCHIIDAE

Asymphylodora atherinosidis Annereaux, 1947. Southern California.
Intestines. Olson (1955).

HETEROPHYIDAE

Galactosomum humbargari Park, 1936. Metacercaria. Southern California.
Coelom-viscera. Olson (1955).

DIDYMOZOIDAE

Larval didymozoid. Southern California. Coeloms. Olson (1955)
as Torticaecum fenestratum.

LEPOCREADIIDAE

Lepocreadium sp. Southern California. Upper intestines. Olson
(1975b).

ISOPODA

CYMOTHOIDAE

Nerocila californica Schioedte and Meinert, 1881. Mission Beach,
San Diego, California. Body surfaces. Olson (1972).

Leuresthes tenuis (continued)

Livoneca californica Schioedte and Meinert, 1884. Coronado Strand, San Diego Bay, California. Gill chambers. Olson (1972).

MONOGENEA

HETERAXINIDAE

Leuresthicola olsoni Price, 1962. San Clementi to San Diego, California. Gills. Price (1962b).

NEMATODA

CAMALLANIDAE

Spirocamallanus pereirai (Annereaux, 1946) Olsen, 1952. San Diego Bay, California. Intestines. Olson (1955).

ANISAKIDAE

Contraecaecum sp. Larva. Southern California. Coelom-viscera. Olson (1955).

CUCULLANIDAE

Cucullanus sp. Larva. San Diego, California. Coelom. Olson (1955).

BATHYLAGIDAE - Leuroglossus stilbius California Smoothtongue

DIGENEA

HEMIURIDAE

Aponurus californicus Noble and Orias, 1970. Southern California; Mexico. Stomachs. Noble and Orias (1970).

PROTOZOA (MYXOSPORIDA)

MYXOBOLIDAE

Myxobolus sp. Catalina Island, Southern California. Gallbladders. Noble (1966a).

PROTOZOA (SARCOMASTIGOPHORA)

CRYPTOBIIDAE

Cryptobia stilbia Noble, 1968. Santa Barbara, California. Stomachs. Noble (1968).

-SEE ADDENDUM

LIPARIDAE - Liparis fucensis Slipskin Snailfish

CESTODA

SPATHEBOTHRIIDAE

Spathebothrium simplex Linton, 1922. Puget Sound, Washington. Hart and Guberlet (1936).

Liparis fucensis (continued)

DIGenea

OPECOELIDAE

- Podocotyle atomon (Rudolphi, 1802) Odhner, 1905. Puget Sound, Washington. Intestines. Aldrich (1960).
Podocotyle blennicottusi Park, 1937. Puget Sound, Washington. Intestines. Aldrich (1960); also as P. pacifica Aldrich (1960).
Podocotyle enophrysi Park, 1937. Puget Sound, Washington. Intestines. Aldrich (1960).
Podocotyle levenseni Isaitschikov, 1928. Puget Sound, Washington. Intestines. Aldrich (1960).
Allopodocotyle lepomis (Dobrovolny, 1939) Pritchard, 1966. Puget Sound, Washington. Intestines. Aldrich (1960).

LIPARIDAE - Liparis pulchellus Showy Snailfish

DIGenea

OPECOELIDAE

- Podocotyle blennicottusi Park, 1937. Puget Sound, Washington. Intestines. Aldrich (1960) as P. pacifica.

STICHAEIDAE - Lumpenus sagitta Snake Prickleback

COPEPODA

CALIGIDAE

- Lepeophtheirus cuneifer Kabata, 1974. Alaska. Kabata (1974). Questionable host.

DIGenea

HEMIURIDAE

- Genolinea manteri Lloyd, 1938. Oregon. McCauley (1960).

LUVARIDAE - Luvarus imperialis Louvar

CESTODA

PHYLLOBOTHRIIDAE

- Phyllobothrium caudatum (Zschokke and Heitz, 1914). Pleurocercoid. Norway. Intestines. Brinkmann (1962) as Pelichnibothrium speciosum.

Luvarus imperialis (continued)

COPEPODA

CECROPIDAE

Lütkenia elongata Shiino, 1963. Baja California and California. Body surfaces. Shiino (1963b).

DIGENEA

ACCACOELIIDAE

Tetrochetus raynerianus (Nardo, 1827) Looss, 1912. Mediterranean. Intestines. Dollfus (1935b).

ZOARCIDAE - Lycodapus fierasfer Blackmouth Eelpout

COPEPODA

LERNAEOCERIDAE

Haemobaphes enodis Wilson, 1917. California. Gills. Wilson (1917).

ZOARCIDAE - Lycodopsis pacificus Blackbelly Eelpout

DIGENEA

ZOOGONIDAE

Zoogonus dextrocirrus Aldrich, 1961. Puget Sound, Washington. Intestines. Aldrich (1960).

OPECOELIIDAE

Pseudocoelus vulgaris (Manter, 1934) Van Wicklen, 1946. Washington. Intestines. Lloyd (1938) as Cymbephallus v.

Podocotyle gibbonsiae Johnson, 1949. Puget Sound, Washington. Intestines. Aldrich (1960).

Podocotyle blennicotusi Park, 1937. Puget Sound, Washington. Intestines. Aldrich (1960) as P. pacifica.

MONOGENEA

MICROCOTYLIDAE

Microcotyle pacifica Crane, 1972. Eureka and San Pedro, California. Gills. Crane (1972).

PROTOZOA (MICROSPORIDA)

Gen. and sp. Noble and Collard (1970).

PLEURONECTIDAE - Lyopsetta exilis Slender Sole

CESTODA

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. British Columbia. Stomach walls.
Margolis (1952).

COPEPODA

BOMOLOCHIDAE

Holobomolochus occultus Kabata, 1971. British Columbia. Gills, gill
cavities. Kabata (1971).

DIGENEA

HEMIURIDAE

Parahemiurus merus (Linton, 1910) Woolcock, 1935. British Columbia.
Stomachs. Margolis (1952).

Derogenes varicus (Müller, 1784) Looss, 1901. Vancouver Island, British
Columbia. Stomachs. Margolis (1952).

MONOGENEA

DICLIDOPHORIDAE

Choricotyle exilis Crane, 1972. San Pedro, California. Mouths. Crane
(1972).

NEMATODA

ANISAKIDAE

Contracecum sp. Larva. British Columbia. Stomachs, mesenteries,
livers. Margolis (1952).

Anisakis sp. Larva. British Columbia. Many places in bodies. Margolis
(1952).

PARALEPIDIDAE - Macroparalepis sp.

CESTODA

TETRAPHYLLIDEA

Gen. and sp. Larva. Catalina Basin, California. Caeca. Collard
(1968).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. Catalina Basin, California. Mesenteries.
Collard (1968).

Terranova sp. Larva. Catalina Basin, California. Mesenteries.
Collard (1968).

Contracecum sp. Larva. Santa Cruz Basin, California. Intestines.
Collard (1968).

ISTIOPHORIDAE - Makaira indica Black Marlin

COPEPODA

EURYPHORIDAE

Gloiopotes huttoni (Thomson, 1890) Bassett - Smith, 1899. Socorro Island, Mexico. Skins. Shiino (1963a) as G. longicaudatus; Indian Ocean. Cressey (1967b).

ISTIOPHORIDAE - Makaira nigricans Blue Marlin

SYNONYMS - Makaira ampla, Makaira marlina, Makaira ampla marlina

CESTODA

TENTACULARIIDAE

Nybelinia sp. Larva. Gulf of Mexico. Nikolaeva (1968b).
Tentacularia sp. Larva. Gulf of Mexico. Nikolaeva (1968b).

TRYPANORHYNCHA

Gen. and sp. Larva. Gulf of Mexico. Nikolaeva (1968b).

COPEPODA

EURYPHORIDAE

Gloiopotes ornatus Wilson, 1905. Western North Atlantic, Caribbean.
Cressey (1967b).

Gloiopotes watsoni Kirtisinghe, 1934. Indian Ocean, Peru, Hawaii.
Cressey (1967b).

Gloiopotes huttoni (Thomson, 1890) Bassett - Smith, 1899. New Zealand.
Body surfaces. Hewitt (1964b).

CALIGIDAE

Lepeophtheirus eminens Wilson, 1944. Ventura Bay, Baja California, Mexico. Exteriors. Wilson (1944).

DIGENEA

HIRUDINELLIDAE

Hirudinella fusca (Bosc. 1802) Manter, 1926. Gulf of Mexico. Nikolaeva (1968b) [= H. marina - Nigrelli and Stunkard (1947)].

Hirudinella spinulosa Yamaguti, 1938. Gulf of Mexico. Nikolaeva (1968b) as Uroproctinella s. [= H. marina - Nigrelli and Stunkard (1947)].

DIDYMOZOIDAE

Colocyntotrema sp. Gulf of Mexico. Nikolaeva (1968b).

MONOGENEA

CAPSALIDAE

Capsala poeyi (Vigueras, 1935) Price, 1938. Gulf of Mexico. Nikolaeva (1968b); central Pacific - external surfaces. Iverson and Hove (1958).

KYPHOSIDAE - Medialuna californiensis Halfmoon

COPEPODA

CALIGIDAE

Caligus hobsoni Cressey, 1969. La Jolla, California. Cressey (1969a);
body surfaces. Hobson (1971).

Lepeophtheirus sp. La Jolla, California. Body surfaces. Hobson
(1971).

LERNAEIDAE

Peniculus fissipes Wilson, 1917. La Jolla, California. Embedded in
fins. Hobson (1971).

DIGenea

WARETREMATIDAE

Scorpidicola californiensis Montgomery, 1957. La Jolla, California.
Intestines. Montgomery (1957).

Myodera medialunae Montgomery, 1957. La Jolla, California. Intestines.
Montgomery (1957).

LEPOCREADIIDAE

Neolepidapedon medialunae Montgomery, 1957. California. Intestines.
Montgomery (1957).

HEMIURIDAE

Genolinea tanyopa Montgomery, 1957. La Jolla, California. Stomachs.
Montgomery (1957).

MELAMPHAIDAE - Melamphaes acanthomus

DIGenea

HEMIURIDAE

Gen. and sp. Collard (1968).

NEMATODA

ANISAKIDAE

Contracaecum sp. Larva. Catalina Basin, California. Coeloms.
Collard (1968).

ZOARCIDAE - Melanostigma pammelae Midwater Eelpout

CESTODA

TETRARHYNCHA

Gen. and sp. Larva. Santa Barbara Island, California. Outside
stomachs, in intestines. Noble and Orias (1975).

Melanostigma pammelas (continued)

DIGenea

FelloDistomidae

FelloDistomum melanostigum Noble and Orias, 1975. Southern California.
Stomachs, intestines. Noble and Orias (1975).

Hemiuridae

Aponurus pacificus Noble and Orias, 1975. Southern California. Stomachs.
Noble and Orias (1975).

Aponurus californicus Noble and Orias, 1970. Southern California.
Stomachs. Noble and Orias (1975).

Aponurus sp. Southern California. Stomachs. Noble and Orias (1975).

Dissosaccus sp.? Southern California. Intestines. Noble and
Orias (1975).

Nematoda

Anisakidae

Anisakis sp. Larva. Southern California. Coiled in mesenteries.
Noble and Orias (1975).

Contracaecum sp. Larva. Southern California. Coiled in mesen-
teries, intestines. Noble and Orias (1975).

Protozoa (Myxosporida)

Myxidiidae

Myxidium melanostigum Noble, 1966. Southern California. Gallbladders.
Noble (1966a).

SCIAENIDAE - Menticirrhus undulatus California corbina

Acanthocephala

Rhadinorhynchidae

Illiosentis cetratus Van Cleave, 1945. La Jolla, California. Intestines.
Van Cleave (1945).

Copepoda

Bomolochidae

Bomolochus solae Claus, 1864. Ensenada, Baja California, Mexico.
Causey (1960).

Caligidae

Caligus mutabilis Wilson, 1905. Ensenada, Baja California, Mexico.
Causey (1960).

Dichelesthiidae

Hatschekia albirubra Wilson, 1913. Ensenada, Baja California, Mexico.
Causey (1960).

Menticirrhus undulatus (continued)

DIGenea

MONORCHIIDAE

Postmonorchis donacis Young, 1953. La Jolla, California. Intestines.
Young (1953).

BUCEPHALIDAE

Prosorhynchus crucibulus (Rudolphi, 1819) Odhner, 1905. Bahia Magdalena,
Baja California, Mexico. Intestines. Arai (1962).

OPECOELIDAE

Helicometrina nimia Linton, 1910. Intestines. Arai (1962).

ZOOGONIDAE

Diplangus triradiatus Manter and Van Cleave, 1951. La Jolla, California.
Intestines. Manter and Van Cleave (1951).

MERLUCCIIDAE - Merluccius productus Pacific Hake

CESTODA

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Post larva. British Columbia.
Stomach walls. Margolis (1952).

PTYCHOBOTHRIIDAE

Clestobothrium crassiceps (Rudolphi, 1808). British Columbia.
Intestines. Margolis (1952).

BOTHRIOCEPHALIDAE

Bothriocephalus ospariichthydis Yamaguti, 1934. Northeast Pacific.
Kovalenko (1970).

Bothriocephalus sp. Northeast Pacific. Kovalenko (1970).

DIPHYLLOBOTHRIIDAE

Diphyllobothrium sp. Northeast Pacific. Kovalenko (1970).

TRYPANORHYNCHA

Scolex sp. Northeast Pacific. Kovalenko (1970).

Gen. and sp. Larva. Northeast Pacific. Kovalenko (1970).

Gen. and sp. Larva. Northeast Pacific. Kovalenko (1970).

COPEPODA

LERNAEOPODIDAE

Brachiella lageniformis Szidat, 1955. Vancouver Island, British
Columbia. Gill arches. Kabata (1970b).

Parabrachiella sp. Northeast Pacific. Kovalenko (1970).

Merluccius productus (continued)

CALIGIDAE

Lepeophtheirus dissimulatus Wilson, 1905. Ensenada, Baja California, Mexico. Causey (1960).

CHONDRACANTHIDAE

Chondracanthus palpifera Wilson, 1912. British Columbia. Bere (1930a) as Acanthochondria p. from "Hake".
Acanthochondria sp. Northeast Pacific. Kovalenko (1970).

LERNAEOCERIDAE

Haemobaphes sp. Northeast Pacific. Kovalenko (1970).

DIGENEA

HEMIURIDAE

Lecithophyllum anteroporum Margolis, 1958. British Columbia. Margolis (1958a) [= L. botryophorum - Sekerak and Arai (1973)].

Aponurus argentini Polyansky, 1952. Northeast Pacific. Kovalenko (1970).

Derogenes varicus (Müller, 1784) Looss, 1901. Northeast Pacific. Kovalenko (1970).

Lecithochirium sp. Northeast Pacific. Kovalenko (1970).

FELLODISTOMIDAE

Fellodistomum furcigerum (Olsson, 1867) Yamaguti, 1954. Northeast Pacific. Kovalenko (1970).

APOROCOTYLIDAE

Aporocotyle margolisi Smith, 1967. Vancouver Island, British Columbia. Bulbus arteriosus. Smith (1967).

MONOGENEA

DISCOCOTYLIDAE

Anthocotyle americana (MacCallum, 1916) Price, 1943. Eureka, California. Gills. Crane (1972); northeast Pacific. Kovalenko (1970).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Many places in bodies. Margolis (1952).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Northeast Pacific. Kovalenko (1970) as Contraecaecum a.

Thynnascaris melanogrammi (Smedley, 1934). Northeast Pacific. Kovalenko (1970).

Contraecaecum sp. Larva. Northeast Pacific. Kovalenko (1970).

GADIDAE - Microgadus proximus Pacific Tomcod

COPEPODA

LERNAEOPODIDAE

Clavella adunca (Strøm, 1762). British Columbia. Gills, branchial cavities. Kabata (1970c).

Clavella canaliculata Wilson, 1915. Pectoral fins. Wilson (1915).

CALIGIDAE

Lepeophtheirus cuneifer Kabata, 1974. Southeast Alaska. Kabata (1974).
Questionable host.

DIGENEA

HEMIURIDAE

Derogenes varicus (Müller, 1784) Looss, 1901. Oregon. McCauley (1960).
Hemiurus levinseni Odhner, 1905. Oregon. McCauley (1960).

MONOGENEA

GYRODACTYLIDAE

Gyrodactylus californiensis Mizelle and Kritsky, 1967. Bodega and San Francisco Bays, California. Skins. Mizelle and Kritsky (1967a).

Gyrodactylus cranei Mizelle and Kritsky, 1967. Bodega and San Francisco Bays, California. Skins. Mizelle and Kritsky (1967a).

Gyrodactylus pacificus Mizelle and Kritsky, 1967. Bodega and San Francisco Bays, California. Skins. Mizelle and Kritsky (1967a).

Gyrodactylus rogersi Mizelle and Kritsky, 1967. Bodega and San Francisco Bays, California. Skins. Mizelle and Kritsky (1967a).

Gyrodactylus elongatus Mizelle and Kritsky, 1967. Bodega and San Francisco Bays, California. Skins. Mizelle and Kritsky (1967a).

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Sphaeromyxa maiyai Morrison and Pratt, 1973. Newport, Oregon. Gall-bladders. Morrison and Pratt (1973).

EMBIOTOCIDAE - Micrometrus minimus Dwarf Surfperch

COPEPODA

PHILICHTHYIDAE

Colobomatus embiotoche Noble, Collard and Wilkes, 1969. Goleta, California. Under skin, covering cheek ridges, around eyes, in the cephalic sensory canal systems. Noble, Collard and Wilkes (1969).

DIGENEA

MONORCHIIDAE

Postmonorchis donacis Young, 1953. Southern California. Intestines. Young (1953).

Micrometrus minimus (continued)

DIGenea

ZOOGONIDAE

Neozoogonus californicus Arai, 1954. California. Intestines. Arai (1954).

OPECOELIDAE

Genitocotyle acirra Park, 1937. California. Arai (1967) as G. acirrus.

HAPLOSPLANCHNIDAE

Schikhobalotrema girellae (Manter and Van Cleave, 1951) Skrjabin and Guschanskaja, 1955. California. Arai (1967).

PLEURONECTIDAE - Microstomus pacificus Dover Sole

CESTODA

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Post larva. British Columbia. Stomach walls. Margolis (1952).

PSEUDOPHYLLIDEA

Gen. and sp. Pleurocercoid. Juan de Fuca Strait, British Columbia. Body cavities. Margolis (1952).

DIGenea

FELLODISTOMIDAE

Fellodistomum brevum Ching, 1960. Washington. Intestines. Ching (1960a).

ZOOGONIDAE

Zoogonus viviparus (Olsson, 1868) Odhner, 1902. Washington. Intestines. Ching (1960a).

Zoogonus dextrocirrus Aldrich, 1961. Washington. Intestines. Aldrich (1961).

LEPOCREADIIDAE

Lepidapedon calli Acena, 1947. Puget Sound, Washington. Acena (1947); Ching (1961a).

OPECOELIDAE

Eurycreadium vitellosum Manter, 1934. Puget Sound, Washington. Intestines. Ching (1961).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Muscles, mesenteries, etc. Margolis (1952).

Microstomus pacificus (continued)

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Ceratomyxa hopkinsi Jameson, 1929. Monterey, California. Gallbladders.
Jameson (1929).

CHLOROMYXIDAE

Kudoa sp. Washington. Muscles. Patashnik and Groninger (1964).

MOBULIDAE - Mobula lucansana Smoothtail Mobula

COPEPODA

CALIGIDAE

Pupulina brevicauda Wilson, 1952. Catalina Island, California.
Wilson (1952).

Pupulina minor Wilson, 1952. Catalina Island, California. Mouths,
anterior end of bodies. Wilson (1952).

MOLIDAE - Mola mola Common Mola

SYNONYM - Orthagoriscus mola

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. Massachusetts. Dollfus
(1946a) as E. acus.

CRUSTACEA

LEPADIDAE

Conchoderma virgatum (Spengler, 1790). Body surfaces. Balakrishnan
(1969).

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus monorchis Linstow, 1903. France. Intestines. Dollfus
(1946a).

GYMNORHYNCHIDAE

Molicola horridus (Goodsir, 1841). France. Dollfus (1946a); New
Zealand. Robinson (1959a).

TRIAENOPHORIDAE

- Ancistrocephalus microcephalus (Rudolphi, 1819) Monticelli, 1890.
Newfoundland. Intestines. Threlfall (1967); New Zealand. Robinson
(1959a); France. Dollfus (1946a).
Fisticula plicatus (Rudolphi, 1819) Lühe, 1899. Massachusetts.
Linton (1941).

TRYPANORHYNCHA

- Rhynchobothrium sp. Larva. Newfoundland. Intestine walls. Threlfall
(1967).
Tetrarhynchus elongatus Wagener, 1901. Larva. Newfoundland. Livers.
Threlfall (1967); Massachusetts. Linton (1924). [Species incertae
sedis - Yamaguti, 1959.] [= Molicola horridus - Dollfus (1942)].

DASYRHYNCHIDAE

- Floriceps saccatus Cuvier, 1817. France. Many places in body.
Dollfus (1946a).

COPEPODA

CALIGIDAE

- Caligus elongatus Nordmann, 1832. Mediterranean, North Sea.
Parker (1969).
Lepeophtheirus nordmanni (Edwards, 1840) Baird, 1850. France. Skins.
Dollfus (1946a); New Zealand. Hewitt (1964b) as L. insignis;
southern California. Wilson (1908a); New Foundland. Threlfall
(1967); Japan. Shiino (1957).
Lepeophtheirus hastatus Shiino, 1960. Japan. Body surfaces. Shiino
(1960a); New Zealand. Hewitt (1964b) as L. mola; Australia.
Heegaard (1962) as L. mola.

PENNELLIDAE

- Pennella crassicornis Steenstrup and Lütken, 1861. Yamaguti (1963a).
Pennella filosa (Linnaeus, 1758). France. Dollfus (1946a) as P. rubra;
Massachusetts. Flesh. Wilson (1932); South Africa. Barnard (1955).
Pennella orthagorischii Wright, 1870. Massachusetts, British Isles,
Pacific, South Africa, north Atlantic. Wilson (1932).

CECROPIDAE

- Cecrops exiguus Wilson, 1923. Japan. Buccal cavities, gills.
Shiino (1965a).
Cecrops latreilli Leach, 1816. Newfoundland. Gills. Threlfall
(1967); Massachusetts. Wilson (1932); France. Dollfus (1946a);
New Zealand. Hewitt (1968).
Orthagoriscola? wilsoni Stekhoven and Stekhoven, 1956. Newfoundland.
Body surfaces. Threlfall (1967).
Orthagoriscola muricatus (Krøyer, 1837) Poche, 1902. Massachusetts.
Wilson (1907b); South Africa. Barnard (1955); France. Skins, gills.
Dollfus (1946a).

Mola mola (continued)

Philorthogoriscus serratus (Krøyer, 1863) Horst, 1897. Newfoundland. Body surfaces. Threlfall (1967); Netherlands, Massachusetts, English seas. Wilson (1932); South Africa. Barnard (1955); Japan. Shiino (1959e).

PANDARIDAE

Pandarus bicolor Leach, 1816. France. Skins. Dollfus (1946a).
Echthrogaleus coleoptratus (Guerin-Neneville, 1832) Wilson, 1907. France. Skins. Dollfus (1946a).

TREBIIDAE

Trebius sp. France. Skins, gills. Dollfus (1946a).

LERNAEOPODIDAE

Lernaeopoda bidiscalis Kane, 1892. France. Skins. Dollfus (1946a).

ANTHOSOMATIDAE

Anthosoma crassum (Abildgaard, 1794) Gould, 1841. France. Inner face of operculums, fins. Dollfus (1946a).

ARGULIDAE

Argulis scutiformis Thiele, 1900. Japan. Yamaguti (1963a); France. Skins. Dollfus (1946a).

DIGENEA

ACCACOEELIIDAE

Accacladocoelium macrocotyle (Diesing, 1858) Odhner, 1928. Oregon. Pratt and McCauley (1961); Massachusetts. Linton (1940); Canada, Naples, Ireland. Intestines. Dawes (1947); redrawn Timon-David and Musso (1971).

Accacladocoelium nigroflavum (Rudolphi, 1819) Odhner, 1928. Europe, Mediterranean. Intestines. Dawes (1947); redrawn Timon-David and Musso (1971).

Accacladocoelium petasiporum Odhner, 1928. Mediterranean. Intestines. Dawes (1947); France. Dollfus (1946a).

Accacladocoelium alveolatum Robinson, 1934. Atlantic. Intestines. Robinson (1934); New Zealand. Manter (1960).

Accacladocoelium serpentulus Odhner, 1928. Naples, Bergen, USA, Japan. Intestines. Dawes (1947); Massachusetts. Linton (1940); France. Dollfus (1946a).

Accacladium nematum Noble and Noble, 1937. Monterey Bay, California. Intestines. Noble and Noble (1937); France. Dollfus (1946a); redrawn Timon-David and Musso (1971); Newfoundland. Threlfall (1967).

Accacoelium contortum (Rudolphi, 1819) Odhner, 1928. Newfoundland, Massachusetts. Pharynxes. Threlfall (1967); Gills. Linton (1940); France. Timon-David and Musso (1971).

Odhnerium calyptrocotyle (Monticelli, 1893) Yamaguti, 1934. British Columbia. Intestines. Lloyd (1938); La Jolla, California. Montgomery (1957); Japan. Yamaguti (1934); New Zealand. Intestines. Manter (1954a); Massachusetts. Intestines. Linton (1940) as Orophocotyle foliata.

Mola mola (continued)

Orophocotyle planci (Stassich, 1899) Looss, 1902. Trieste. Dawes (1947).

Rhyncopharynx paradoxa Odhner, 1928. Japan. Intestines. Yamaguti (1934a); France. Dollfus (1935b); New Zealand. Manter (1960).

LEPOCREADIIDAE

Dihemistephanus lydiae (Stossich, 1896) Looss, 1901. France.

Digestive tracts. Dollfus (1946a); New Zealand. Manter (1960).

Dihemistephanus fragilis (Linton, 1900) Stafford, 1904. Massachusetts. Digestive tracts. Stafford (1904); Newfoundland. Threlfall (1967) as Distomum fragile.

ACANTHOCOLPIDAE

Stephanostomum baccatum (Nicolli, 1907) Manter, 1934. Immature Massachusetts. Linton (1940) as S. valde-inflatum.

DIDYMOZOIDAE

Didymozoon molae (Rudolphi, 1819) Dollfus, 1946. Dorsal muscles. Dollfus (1946a).

Nematobothrium molae MacLaren, 1904. Mediterranean. Gills. Dawes (1947); redrawn Timon-David and Musso (1971).

Koellikeria filicollis (Rudolphi, 1819) Cobbold, 1860. Intestines Nicolli (1915).

Nematobothrioides histoidii Noble, 1974. California. Connective tissues. G. Noble (1975).

ISOPODA

CYMOTHOIDAE

Nerocila orbignyi (Guerin-Meneville, 1829-1832). France. Skins. Dollfus (1946a).

Nerocila macleayi White, 1843. France. Skins. Dollfus (1946a).

MONOGENEA

CAPSALIDAE

Capsala martinieri Bosc, 1811. Newfoundland. Body surfaces. Threlfall (1967); British Columbia. Gills, body surfaces. Margolis (1952); Norway. Brinkmann (1952).

Capsala molae (Blanchard, 1847) Johnston, 1929. Massachusetts. Linton (1940); New Jersey. Skins. Price (1962a) as Tricotyla m.

Capsala cephalae (Risso, 1826) St. Remy, 1898. Europe. Yamaguti (1963b).

Capsala cutanea (Guiart, 1938) Sproston, 1948. Dawes (1947).

Capsala grimaldii (Guiart, 1938) Sproston, 1948. Dawes (1947).

Capsala pelamydis (Taschenberg, 1878) Price, 1938. Dawes (1947).

Capsala maculata (Martiniere, 1787). France. Skins. Dollfus (1946a).

Tristoma papillosum Diesing, 1836. France. Skins. Dollfus (1946a).

Mola mola (continued)

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. New Zealand. Viscera, mesenteries, under peritoneums. Hewitt and Hine (1972).

CUCULLANIDAE

Cucullanus orthagorisci (Rudolphi, 1819). France. Dollfus (1946a) as Ascaris o.

PROTOZOA (SARCOMASTIGOPHORA)

ENTAMOEBIDAE

Entamoeba molae Noble and Noble, 1966. Santa Barbara, California. Hindguts. Noble and Noble (1966).

MONOCERCOMONIDAE

Monocercomonas molae Noble and Noble, 1966. Santa Barbara, California. Hindguts. Noble and Noble (1966).

MUGILIDAE - Mugil cephalus Striped Mullet

ACANTHOCEPHALA

NEOECHINORHYNCHIDAE

Neoechinorhynchus chilkaense Podder, 1937. India. Intestines. Podder (1937).

Neoechinorhynchus agilis (Rudolphi, 1819). Japan. Small intestines. Yamaguti (1939e); Yugoslavia, USSR. Reshetnikova (1955).

Floridosentis elongatus Ward, 1953. Florida. Intestines. Ward (1953); Gulf of California. Intestines. Bravo-Hollis (1969).

DIPLOSENTIDAE

Pararhadinorhynchus mugilis Johnston and Edmonds, 1947. Australia. Intestines. Johnston and Edmonds (1947).

CESTODA

TETRAPHYLLIDEA

Scolex pleuronectis Müller, 1788. Israel. Intestines. Pyloric caeca. Paperna (1964b).

Scolex polymorphus Rudolphi, 1819. Massachusetts. Linton (1924). [= Scolex pleuronectis - Wardle and McLeod (1952)].

OTOBOTHRIIDAE

Otobothrium mugilis Hiscock, 1954. Larva. Australia. Hiscock (1954).

COPEPODA

CALIGIDAE

Caligus communis Shen. 1957. China. Shen (1957).

Mugil cephalus (continued)

- Caligus platytarsis Bassett-Smith, 1898. Bombay, India. Body surfaces. Rangnekar (1955) as C. bombayensis.
Caligus orientalis Gussev, 1951. China. Body surfaces. Shen (1957) as C. communis.
Caligus rufimaculatus Wilson, 1905. Massachusetts. Wilson (1905b).
Caligus curtus Müller, 1785. North Carolina. Parker, Kabata and Dean (1968).
Caligus epidemicus Hewitt, 1971. Australia. Body surfaces. Hewitt (1971a).
Caligus minimus var. mugilis Brian, 1934. Italy. Carli and Bruzzone (1973).
Caligus bonito Wilson, 1905. Gulf of Mexico. Body surfaces. Bere (1936).
Caligus mutabilis Wilson, 1905. Mazatlan, Mexico. Causey (1960).
Lepeophtheirus hospitalis Fraser, 1920. China. Kabata (1973).

ERGASILIDAE

- Ergasilus nanus Van Beneden, 1870. Mediterranean. Gills. Delamare-Deboutteville and Nunes (1952).
Ergasilus amplexans Dogiel and Akhmerov, 1952. USSR. Gills. Dogiel and Akhmerov (1952).
Ergasilus mugilis Vogt, 1877. Vera Cruz, Mexico. Gills. Causey (1960).
Ergasilus lizae Krøyer, 1863. Georgia, USA. Roberts (1970); Mazatlan, Mexico. Causey (1960).
Ergasilus fryeri Paperna, 1964. Israel. Gills. Paperna (1964a).
Ergasilus cyanopictus de Paiva Carvalho, 1962. Brazil. Gills. de Paiva Carvalho (1962).
Ergasilus sp. Israel. Gills. Paperna (1964b).
Nipergasilus bora (Yamaguti, 1939) Yin, 1956. Japan. Gills. Yamaguti (1939a) as Ergasilus b.

ARGULIDAE

- Argulus sp. Florida. Body surfaces. Baker (1975a).

LERNAEIDAE

- Lernaeenicus longiventris Wilson, 1917. Western north Atlantic. Flesh. Wilson (1917).
Lernaeenicus gracilis Heller, 1865. Richiardi (1877).
Lernaeenicus neglectus Richiardi, 1877. Yamaguti (1963a).

LERNAEOPODIDAE

- Clavella inversa Wilson, 1913. North Carolina. Wilson (1913).
Allela longimana Bere, 1936. Gulf of Mexico. Bere (1936).
Brachiella oblonga Valle, 1880. Adriatic, North Carolina. Pectoral fins. Wilson (1908b).
Clavellopsis longimana Bere, 1936. Gulf of Mexico. Pectoral fins. Bere (1936).

BOMOLOCHIDAE

- Bomolochus concinnus Wilson, 1911. North Carolina. Gills. Wilson (1911); Mazatlan, Mexico. Causey (1960) as B. nitidus.
Bomolochus exilipes Wilson, 1911. Gulf of Mexico. Gills. Wilson (1911).

Mugil cephalus (continued)

Bomolochus teres Wilson, 1911. Texas. Gills. Causey (1953b).

NAOBRANCHIIDAE

Naobranchia lizae (Krøyer, 1864). Texas. Gills. Causey (1953b).

ANTHOSOMATIDAE

Lernanthropus mugilis Shishido, 1898. Japan. Gills. Yamaguti (1936b).

Lernanthropus shishidoi Shiino, 1955. Japan. Gills. Shiino (1955c).

DIGENEA

BUCEPHALIDAE

Rhipidocotyle lepisostei Hopkins, 1954. Metacercaria. Texas, Louisiana, Oklahoma. Hopkins (1954).

Haploporus benedeni (Stossich, 1887) Looss, 1902. Gulf of Naples. Intestines. Looss (1902); Israel. Paperna (1964b).

Haploporus longibollum (Wlassenko, 1931). Black Sea. Intestines. Young (1971).

Haploporus lateralis Looss, 1902. Israel. Intestines. Paperna (1964b).

Carassotrema mugilicola Shireman, 1964. Louisiana. Intestines. Shireman (1964).

Saccacoelium tensum Looss, 1902. Israel. Intestines. Paperna (1964b); Black Sea. Koval and Otsupok (1964).

Saccacoelium obesum Looss, 1902. Adriatic, Black Sea, Egypt. Looss (1902); Egypt. Small intestines. Fischthal and Kuntz (1963).

Saccacoelioides beauforti (Hunter and Thomas, 1961) Overstreet, 1971. Mississippi, Alabama, Georgia. Intestines. Overstreet (1971b).

Saccacoelioides pearsoni Martin, 1973. Australia. Small intestines. Martin (1973c).

Haplospalchnus pachysomus (Eysenhardt, 1829) Looss, 1902. Intestines. Looss (1902); Egypt. Fischthal and Kuntz (1963); Israel. Intestines. Paperna (1964b).

Dicrogaster fastigatus Thatcher and Sparks, 1958. Louisiana. Intestines. Thatcher and Sparks (1958).

Lecithobotrys sprengi Martin, 1973. Australia. Small intestines. Martin (1973c).

Lecithobotrys putrescens Looss, 1902. Israel. Intestines. Paperna (1964b).

Paralecithobotrys brisbanensis Martin, 1974. Australia. Small intestines. Martin (1974).

Isorchis manteri Martin, 1973. Australia. Small intestines. Martin (1973b).

Unisaccoides vitellosus Martin, 1973. Australia. Small intestines. Martin (1973a).

Unisaccus brisbanensis Martin, 1973. Australia. Small intestines. Martin (1973a).

SANGUINICOLIDAE

Cardicola mugilis Yamaguti, 1970. Hawaii. Vascular systems. Yamaguti (1970).

HEMIURIDAE

Bunocotyle mugilis Yamaguti, 1970. Hawaii. Stomachs. Yamaguti (1970).

Mugil cephalus (continued)

- Saturnius segmentatus Manter, 1969. Australia. Stomachs. Manter (1969).
Lecithaster mugilis Yamaguti, 1970. Florida. Intestines. Overstreet (1969).
Aphanurus sp. Japan. Stomachs. Machida, Ichihara and Kamegai (1970).
Lecithaster helodes Overstreet, 1973. Mississippi. Intestines. Overstreet (1973).
Dichadena galeata (Looss, 1907) Skrjabina and Guschanskaja, 1954. USSR. Reshetnikova (1955) as Lecithaster galeatus.
Hysterolecitha elongata Manter, 1931. Mississippi. Stomachs. Overstreet (1973); North Carolina. Manter (1931).

HAPLOSPLANCHNIDAE

- Schikhobalotrema sparisomae (Manter, 1937) Skrjabin and Guschanskaja, 1955. Black Sea. Intestines. Koval and Otsupok (1964).
Schikhobalotrema sp. Florida. Intestines. Nahhas and Short (1965).
Schikhobalotrema elongatum Nahhas and Cable, 1964. Curacao. Intestines. Nahhas and Cable (1964).
Hymenocottoides manteri (Overstreet, 1969) Yamaguti, 1971. Florida, Georgia. Intestines. Overstreet (1961b) as Hymenocotta m.
Hymenocotta mulli Manter, 1961. New Caledonia, Fiji. Intestines. Durio and Manter (1968).

MONORCHIIDAE

- Lasiotocus mugilis Overstreet, 1969. Hawaii. Yamaguti (1970); Florida. Intestines. Overstreet (1969).
Lasiotocus glebulentus Overstreet, 1971. Mississippi, Alabama. Intestines. Overstreet (1971b).

BIVESICULIDAE

- Paucivitellosus fragilis Coil, Read and Kuntz, 1965. Australia. Intestines. Pearson (1968).

HETEROPHYIDAE

- Stellantchasmus falcatus Onji and Nishio, 1915. Metacercaria. Japan. Yamaguti (1971); Hawaii. Pearson (1964).
Adleriella minutissima (Witenberg, 1929) Wittenberg, 1930. Metacercaria. Israel. Paperna (1964b).
Heterophyes heterophyes (Siebold, 1853) Stiles and Hassall, 1900. Metacercaria. Israel. Muscles. Paperna (1964b).
Heterophyes nocens Onji and Nishio, 1916. Metacercaria. Japan. Komiya and Suzuki (1966).
Heterophyes katuradai Ozaki and Asada, 1925. Metacercaria. Japan. Komiya and Suzuki (1966).
Heterophyopsis continua (Onji and Nishio, 1916) Price, 1940. Metacercaria. Japan. Komiya and Suzuki (1966).
Haplorchis yokogawai (Katsuta, 1932) Chen, 1936. Metacercaria. Japan. Komiya and Suzuki (1966).
Haplorchis microrchis (Katsuta, 1932) Chen, 1936. Metacercaria. Japan. Komiya and Suzuki (1966).

Mugil cephalus (continued)

- Pygidiopsis summa Onji and Nishio, 1916. Metacercaria. Japan. Komiya and Suzuki (1966).
Procerovum varium Onji and Nishio, 1916. Metacercaria. Japan. Komiya and Suzuki (1966).
Stictodora perpendicula (Onji and Nishio, 1916) Yamaguti, 1958. Metacercaria. Japan. Komiya and Suzuki (1966).
Stictodora fuscata (Onji and Nishio, 1916). Metacercaria. Japan. Komiya and Suzuki (1966).
Pseudogalactosoma macrostoma Yamaguti, 1942. Metacercaria. Japan. Komiya and Suzuki (1966).
Centrocestus asadai Mishima, 1959. Metacercaria. Japan. Komiya and Suzuki (1966).
Metagonimus minutus Katsuta, 1932. Metacercaria. Japan. Komiya and Suzuki (1966).
Metagonimus yokogawai (Katsurada, 1912) Katsurada, 1913. Metacercaria. Japan. Komiya and Suzuki (1966).
Phagicola longa (Ransom, 1920) Price, 1932. Metacercaria. Florida. Hutton (1964); Israel (1964b) as Parascocotyle 1.

CRYPTOGONIMIDAE

- Exorchis oviformis Kobayashi, 1915. Metacercaria. Japan. Komiya and Suzuki (1966).

ACANTHOCOLPIDAE

- Stephanostomum sp. Metacercaria. Florida. Hutton (1964).

CYATHOCOTYLIDAE

- Mesostephanus appendicutoides (Price, 1934) Lutz, 1935. Metacercaria. Florida. Hutton (1964).

HAPLOPORIDAE

- Dicrogaster fastigatus Thatcher and Sparks, 1958. Louisiana. Upper intestinal tract. Thatcher and Sparks (1951).

HIRUDINEA

GLOSSIPHONIIDAE

- Gen. and sp. Florida. Gills. Baker (1975a).

MONOGENEA

GYRODACTYLIDAE

- Gyrodactylus mugilis Rawson, 1973. Georgia. Skins. Rawson (1973).
Polyclithrum mugilini Rogers, 1967. Georgia. Fins, bodies. Rogers (1967).

DACTYLOGYRIDAE

- Haliotrema mugilinus (Hargis, 1955) Yamaguti, 1963. Florida. Gills. Hargis (1955b) as Pseudohaliotrema m.
Ancyrocephalus vanbenedeni (Parona and Perugia, 1890) Johnston and Tiegs, 1922. Black Sea. Gills. Pogoreltseva (1964); Israel. Paperna (1964b).

Mugil cephalus (continued)

Cleidodescus sp. Florida. Gills. Baker (1975a).

MICROCOTYLIDAE

Solostamenides pseudomugilis (Hargis, 1956) Unnithan, 1971. Florida.

Gills. Hargis (1956a) as Microcotyle p.

Solostamenides mugilis (Vogt, 1878) Unnithan, 1971. Japan. Gills.

Yamaguti (1938b); Sète, France. Euzet and Combes (1969) both as Microcotyle m.

Metamicrocotyla macracantha (Alexander, 1954) Korath, 1955. Conception Bay, Baja California, Mexico. Gills. Alexander (1954) as Microcotyle m.; Florida. Gills. Hargis (1956a); Australia. Young (1970).

Metamicrocotyla bora Yamaguti, 1953. Macassar. Gills. Yamaguti (1953a).

Metamicrocotyla cephalus (Azim, 1939) Hargis, 1954. Sète, France. Gills. Euzet and Combes (1969).

Metamicrocotyla filiformis Yamaguti, 1953. Macassar. Yamaguti (1953a).

Metamicrocotyla mugilis Yamaguti, 1968. Hawaii. Gills. Yamaguti (1968b).

CAPSALIDAE

Neobenedenia pacifica Bravo-Hollis, 1971. Baja California, Mexico. Gills. Bravo-Hollis (1971).

NEMATODA

ANISAKIDAE

Contracaecum spiculigerum (Rudolphi, 1809). Larva. Caspian Sea. Petrushevski (1951).

Contracaecum robustum Chandler, 1935. Larva. Texas. Kidneys. Chandler (1935).

Contracaecum sp. Juvenile. Florida. Hutton (1964); Israel. Intestines. Paperna (1964b).

Raphidascaris? adelinae Cond. - Franc. 1898. Rome. Yamaguti (1961).

PHILOMETRIDAE

Philometra sp. Israel. Intestines. Paperna (1964b).

CUCULLANIDAE

Cucullanus sp. New Zealand. Intestines. Hewitt and Hine (1972).

PROTOZOA (CILIOPHORA)

URCEOLARIIDAE

Trichodina puytoraci Lom, 1962. Black Sea. Zaika (1968).

Tripartiella obliqua Lom, 1962. Black Sea. Zaika (1968).

Trichodina sp. Florida. Gills. Baker (1975a).

EPISTYLIDAE

Epistylis sp. Florida. Hutton (1964).

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Zschokkella dogieli Pogorel, 1964. Black Sea. Zaika (1968).

Mugil cephalus (continued)

Zschokkella nova Klokacawa, 1914. USSR. Gallbladders. Reshetnikova (1955).

MYXOBOLIDAE

Myxobolus mülleri Bütschli, 1882. Black Sea. Zaika (1968).

Myxobolus exiguus Thélohan, 1895. Sea of Azov, Black Sea. Gills. Petrushevski and Shulman (1955).

Myxobolus parvus Shulman, 1962. China. Gills. Kudo and Meglitsch (in preparation).

Myxobolus cheni Shulman, 1962. China. Muscles. Kudo and Meglitsch (in preparation).

Myxobolus achmerovi Shulman, 1966. USSR. Gills, fins, mesenteries. Shulman, (1966).

MYXOSOMATIDAE

Myxosoma dermatobia (Ishii, 1916) Hoshina, 1952. Florida. Surface of eyes. Baker (1975a).

Myxosoma cephalis Iverson, Chitty, Meter, 1971. South Florida.

Cysts in brain, gill arches, buccal cavities, jaw bones. Burreson and Pratt (1972).

Myxosoma branchialis (Markevich, 1932). Lom, 1961. USSR. Gills, muscles. Shulman (1966).

CHLOROMYXIDAE

Kudoa bora (Fujita, 1930) Meglitsch, 1947. Formosa. Muscles. Kudo and Meglitsch (in preparation).

MYXIDIIDAE

Myxidium incurvatum Thélohan, 1892. Gallbladders. Kudo (1920).

PROTOZOA (SARCOMASTIGOPHORA)

TRYPANOSOMIDAE

Trypanosoma sp. Florida. Blood. Baker (1975a).

PROTOZOA (SPOROZOA)

ADELEIDAE

Haemogregarina mugili, Florida. Blood. Sauders (1964).

-SEE ADDENDUM

CARCHARHINIDAE - Mustelus californicus Gray Smoothhound

SYNONYM - Galeus californicus

CESTODA

ONCOBOTHRIIDAE

Calliobothrium pellucidum Riser, 1955. Southern California. Riser (1955).

LACISTORHYNCHIDAE

Lacistorhynchus tenuis (Van Beneden, 1858) Dollfus, 1929. Mission Bay, California. Heinz and Dailey (1974).

Mustelus californicus (continued)

EUTETRARHYNCHIDAE

Eutetrarhynchus macrotrachelus Heinz and Dailey, 1974. Mission Bay, California. Spiral valves. Heinz and Dailey (1974).

Eutetrarhynchus litocephalus Heinz and Dailey, 1974. Mission Bay, California. Spiral valves. Heinz and Dailey (1974).

COPEPODA

LERNAEOPODIDAE

Lernaeopoda bidiscalis Kane, 1892. Pacific Grove, California. Claspers. Wilson (1935b).

Pseudocharopinus bicaudatus (Krøyer, 1837) Kabata, 1964. Pacific Grove, California. Spiracles. Wilson (1935b) as Charopinus b.

DIGenea

HETEROPHYIDAE

Stictodora sawakinesis Looss, 1899. Metacercaria. USSR. Ginetsinskaya (1955).

NEMATODA

PHYSALOPTERIDAE

Proleptus acutus Dujardin, 1845. Southern California. Stomachs. Specian, Ubelaker and Dailey (1975).

PROTOZOA (MYXOSPORIDA)

CHLOROMYXIDAE

Chloromyxum ovatum Jameson, 1929. San Pedro, California. Gallbladders. Jameson (1931).

CARCHARHINIDAE - Mustelus henlei Brown Smoothhound

CESTODA

LACISTORHYNCHIDAE

Lacistorhynchus tenuis (Van Beneden, 1858) Dollfus, 1929. Humboldt Bay, California. Spiral valves, coelomic cavities, rectal glands. Pappas (1968); Anaheim Bay, California. Heinz and Dailey (1974).

PHYLLOBOTHRIDAE

Pithoporus sp. Humboldt Bay, California. Spiral valves. Pappas (1968).

Anthobothrium parvum Stossich, 1895. Humboldt Bay, California. Spiral valves. Pappas (1968).

Phyllobothrium radioductum Kay, 1942. Humboldt Bay, California. Spiral valves. Pappas (1968).

Gastrolecithus planus (Linton, 1922) Yamaguti, 1952. Humboldt Bay, California. Spiral valves. Pappas (1968).

Orygmatobothrium musteli (Van Beneden, 1850) Diesing, 1854. California. Riser (1955).

Mustelus henlei (continued)

COPEPODA

PANDARIDAE

Pandarus bicolor Leach, 1816. San Francisco and Tomales Bays, California.
Body surfaces. Russo (1975).

Perissopus oblongatus (Wilson, 1908) Cressey, 1967. San Francisco and
Tomales Bays, California. Body surfaces. Russo (1975).

HIRUDINEA

PISCICOLIDAE

Branchellion lobata Moore, 1952. California. Moore (1952).

MONOGENEA

HEXABOTHRIIDAE

Pseudohexabothrium rajae Brinkman, 1952. Humboldt Bay, California.
Gills. Pappas (1968).

Erpocotyle squali (MacCallum, 1931) Price, 1942. Humboldt Bay, California.
Gills. Pappas (1968).

NEMATODA

ANISAKIDAE

Acanthocheilus quadridentatus Molin, 1858. Humboldt Bay, California.
Encysted in stomach walls. Pappas (1968).

PHYSALOPTERIDAE

Proleptus obtusus Dujardin, 1845. Humboldt Bay, California. Attached
to interval stomach linings. Pappas (1968).

Proleptus acutus Dujardin, 1845. Southern California. Stomachs.
Specian, Ubelaker and Dailey (1975).

PROTOZOA (MYXOSPORIDA)

CHLOROMYXIDAE

Chloromyxum ovatum Jameson, 1929. San Pedro, California. Gallbladders.
Jameson (1931).

CARCHARHINIDAE - Mustelus lunulatus Sicklefin Smoothhound

COPEPODA

PANDARIDAE

Perissopus oblongatus (Wilson, 1908) Cressey, 1967. Southern California.
Exteriors. Wilson (1921) as Achtheinus dentatus.

DIGENEA

GORGODERIDAE

Probolitrema mexicana Markell, 1956. Santa Inez Bay, Gulf of California,
Mexico. Coelomic cavities. Markell (1956).

SERRANIDAE - Mycteroperca sp.

Manter and Van Cleave (1951) reported examining Mycteroperca pardalis from La Jolla, California. Except for this record, M. pardalis has not been recorded from California, and we feel this record is in question. We therefore designate the fish Mycteroperca sp. for the time being.

DIGenea

LEPOCREADIIDAE

Lepidapedon sp. La Jolla, California. Manter and Van Cleave (1951).

SERRANIDAE - Mycteroperca xenarcha Broomtail Grouper

COPEPODA

CALIGIDAE

Lepeophtheirus dissimulatus Wilson, 1905. Albermarle Islands. Skins.
Wilson (1937a).

DIGenea

BUCEPHALIDAE

Bucephalus heterotentaculatus Bravo-Hollis and Sogandares-Bernal, 1956. Bahia Magdalena, Bahia Santa Maria, Baja California, Mexico. Intestines. Arai (1962).

Prosorhynchus ozakii Manter, 1934. Galapagos Islands. Caeca.
Manter (1940a).

Prosorhynchus pacificum Manter, 1940. Galapagos
Islands. Caeca. Manter (1940a).

OPECOELIDAE

Hamacreadium mutabile Linton, 1910. Galapagos Islands. Intestines.
Yamaguti (1971).

LEPOCREADIIDAE

Lepidapedon hancocki Manter, 1940. Galapagos Islands. Intestines.
Manter (1940a).

MYLIOBATIDAE - Myliobatis sp.

CYMOTHOIDAE

Nerocila californica Schioedte and Meinert, 1881. California.
Fins. Richardson (1905). Probably from M. californica.

MYLIOBATIDAE - Myliobatis californica Bat ray

SYNONYMS - Holorhinus californicus, Aetobatus californicus

Myliobatis californica (continued)

CESTODA

PHYLLOBOTHRIIDAE

- Rhinebothrium flexile Linton, 1890. San Diego, California. Young (1954) as Echeneibothrium f.
Inermiphyllidium brachyascum Riser, 1955 (= Rhodobothrium b.).
 Monterey Bay, California. Riser (1955).
Echeneibothrium myzorhynchum? Hart, 1936. Humboldt Bay, California.
 Sparks and Chew (1966).

ONCOBOTHRIIDAE

- Acanthobothrium holorhini Alexander, 1953. Long Beach, California.
 Spiral valves. Alexander (1953).
Acanthobothrium microcephalum Alexander, 1953. Long Beach Harbor,
 California. Spiral valves. Alexander (1953).
Acanthobothrium unilateralis Alexander, 1953. Long Beach, California.
 Spiral valves. Alexander (1953).
Acanthobothrium maculatum Riser, 1955. Monterey Bay, California.
 Riser (1955).

LECANICEPHALIDAE

- Discobothrium myliobatidis Dailey and Mudry, 1968. Long Beach
 Harbor, California. Spiral valves. Dailey and Mudry (1968).

ECHENEIBOTHRIIDAE

- Caulobothrium tetrascaphium Riser, 1955. Monterey Bay, California.
 Riser (1955).
Caulobothrium opisthorchis Riser, 1955. Elkhorn Slough, California.
 Riser (1955).

EUTETRARHYNCHIDAE

- Mecistobothrium myliobati Heinz and Dailey, 1974. Mission Bay,
 California. Spiral valves. Heinz and Dailey (1974).

COPEPODA

TREBIIDAE

- Trebius caudatus Krøyer, 1838. California. Body surfaces. Guberlet
 (1936a).
Trebius latifurcatus Wilson, 1921. Venice, California. Body surfaces.
 Wilson (1921).

DIGENEA

GORGODERIDAE

- Probolitrema californiense Stunkard, 1935. Monterey Bay, California.
 Coeloms. Stunkard (1935).

MONOGENEA

CAPSALIDAE

- Pseudoentobdella pacifica (Guberlet, 1936) Yamaguti, 1963. California.
 Price (1939) as Benedenia p.; Guberlet (1936b) as Epibdella p.

Myliobatis californica (continued)

UDONELLIDAE

Udonella caligorum Johnston, 1835. On parasitic copepods Trebius caudatus, T. latifurcatus. Monterey Bay, California. Price (1938a).

HEXABOTHRIIDAE

Rajonchocotyle sp. California. Gills. Johnson (1949b).

NEMATODA

GNATHOSTOMATIDAE

Echinocephalus pseudouncinatus Millemann, 1951. Gulf of California. Spiral valves. Millemann (1963).

CARANGIDAE - Naucrates ductor Pilotfish

ACANTHOCEPHALA

RHADINORHYNCHIDAE

Serrasentis lamelliger (Diesing, 1854) Meyer, 1932. Atlantic? Yamaguti (1963c).

CESTODA

TENTACULARIIDAE

Nybelinia lingualis (Cuvier, 1817) Dollfus, 1929. France. Joyeux and Baer (1936).

COPEPODA

CALIGIDAE

Caligus productus Dana, 1853. Indian Ocean. Lewis, Dean and Gilfillan (1969); Puerto Rico. Exteriors, gills. Wilson (1935a) as C. lobatus.

DIGENEA

ACANTHOCOLPIDAE

Stephanostomum naucrotis Nagaty, 1957. Red Sea. Nagaty (1957).

ACCACOELIIDAE

Gen. and sp. Metacercaria. Mediterranean. Nikolaeva (1968a).

MONOGENEA

CAPSALIDAE

Ancyrocotyle vallei (Parona and Perugia, 1895) Parona and Monticelli, 1903. Mediterranean. Gills. Dawes (1947).

Ancyrocotyle bartschi Price, 1934. Puerto Rico Deep. Gills. Price (1934).

Benedenia melleni (MacCallum, 1927) Johnston, 1929. New York Aquarium. Eyes, skins. Sproston (1946).

Myliobatis californica (continued)

UDONELLIDAE

Udonella caligorum Johnston, 1835. On parasitic copepods Trebius caudatus, T. latifurcatus. Monterey Bay, California. Price (1938a).

HEXABOTHRIIDAE

Rajonchocotyle sp. California. Gills. Johnson (1949b).

NEMATODA

GNATHOSTOMATIDAE

Echinocephalus pseudouncinatus Millemann, 1951. Gulf of California. Spiral valves. Millemann (1963).

CARANGIDAE - Naucrates ductor Pilotfish

ACANTHOCEPHALA

RHADINORHYNCHIDAE

Serrasentis lamelliger (Diesing, 1854) Meyer, 1932. Atlantic? Yamaguti (1963c).

CESTODA

TENTACULARIIDAE

Nybelinia lingualis (Cuvier, 1817) Dollfus, 1929. France. Joyeux and Baer (1936).

COPEPODA

CALIGIDAE

Caligus productus Dana, 1853. Indian Ocean. Lewis, Dean and Gilfillan (1969); Puerto Rico. Exteriors, gills. Wilson (1935a) as C. lobatus.

DIGENEA

ACANTHOCOLPIDAE

Stephanostomum naucrotis Nagaty, 1957. Red Sea. Nagaty (1957).

ACCACOELIIDAE

Gen. and sp. Metacercaria. Mediterranean. Nikolaeva (1968a).

MONOGENEA

CAPSALIDAE

Ancyrocotyle vallei (Parona and Perugia, 1895) Parona and Monticelli, 1903. Mediterranean. Gills. Dawes (1947).

Ancyrocotyle bartschi Price, 1934. Puerto Rico Deep. Gills. Price (1934).

Benedenia melleni (MacCallum, 1927) Johnston, 1929. New York Aquarium. Eyes, skins. Sproston (1946).

COTTIDAE - Nautichthys oculofasciatus Sailfin Sculpin

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808. British Columbia. Intestines. Arai (1969b).

DIGenea

HEMIURIDAE

Genolinea laticauda Manter, 1925. British Columbia. Stomachs. Arai (1969b).

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia. Intestines. Arai (1969b).

NEMATODA

SPIRURIDAE

Ascarophis sebastodis Olsen, 1952. British Columbia. Intestines. Arai (1969b).

NEMATISTIIDAE - Nematistius pectoralis Roosterfish

COPEPODA

CALIGIDAE

Caligus tenuifurcatus Wilson, 1937. Panama Bay. Gill cavities. Wilson (1937a).

CLINIDAE - Neoclinus blanchardi Sarcastic Fringehead

CESTODA

TETRAPHYLLIDEA

Gen. and sp. Red pigmented pleurocercoid. Southern California. Pyloric caeca, intestines. Kunnenkeri and Martin (1962).

CLINIDAE - Neoclinus uninotatus Onespots Fringehead

DIGenea

OPECOELIDAE

Helicometrina elongata Noble and Park, 1937. La Jolla, California. Intestines. Montgomery (1957).

ZOOGONIDAE

Diphtherostomum macrosaccum Montgomery, 1957. La Jolla, California. Stomachs. Montgomery (1957).

MACROURIDAE - Nezumia stelgidolepis California Rattail

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Myxidium coryphaenoidium Noble, 1966. Southern California. Gallbladders. Yoshino and Noble (1973).

CERATOMYXIDAE

Ceratomyxa sp. Southern California. Gallbladders. Yoshino and Noble (1973).

-SEE ADDENDUM

HEXANCHIDAE - Notorhynchus maculatus Sevengill Shark

CESTODA

TENTACULARIIDAE

Nybelinia sp. Humboldt Bay, California. Spiral valves. Pappas (1970).

PHYLLOBOTHRIDAE

Anthobothrium cornucopia Van Beneden, 1850. Humboldt Bay, California. Spiral valves. Pappas (1968).

DASYRHYNCHIDAE

Floriceps saccatus Cuvier, 1817. Baja California, Mexico. Heinz and Dailey (1974).

COPEPODA

PANDARIDAE

Perissopus oblongatus (Wilson, 1908) Cressey, 1967. California. Body surfaces. Wilson (1912) as Achtheinus dentatus.

Pandarus bicolor Leach, 1816. San Francisco and Tomales Bays, California. Body surfaces. Russo (1975).

HIRUDINEA

PISCICOLIDAE

Branchellion lobata Moore, 1952. San Francisco and Tomales Bays, California. Claspers, buccal cavities, fins. Russo (1975).

ODONTASPIDIDAE - Odontaspis ferox Ragged-tooth Shark

CESTODA

LITOBOTHRIDEA

Litobothrium gracile Dailey, 1971. San Clemente Island, California. Spiral valves. Dailey (1971).

Odontaspis ferox (continued)

COPEPODA

EUDACTYLINIDAE

Nemesis lamna Risso, 1826. Mediterranean. Yamaguti (1963a) from Odontaspis sp. Likely this is O. ferox.

COTTIDAE - Oligocottus maculosus Tidepool Sculpin

COPEPODA

BOMOLOCHIDAE

Holobomolochus spinulus (Cressey, 1969) Kabata, 1971. British Columbia. Gills. Kabata (1971).

LERNAEOCERIDAE

Haemobaphes intermedius Kabata, 1967. British Columbia. Gill arches. Kabata (1967b).

Haemobaphes sp. Juvenile. British Columbia. Gills. Arai (1969b).

DIGenea

HEMIURIDAE

Genolinea laticauda Manter, 1925. Oregon. Hall and Pratt (1969); British Columbia. Stomachs. Arai (1969b).

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia. Intestines. Arai (1969b); Oregon. Hall and Pratt (1969) as L. salmonis.

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. British Columbia. Stomachs. Arai (1969b).

OPECOELIDAE

Neopodocotyloides pedunculatus (Park, 1937) Pritchard, 1966. Dillon Beach, California. Intestines. Park (1937b) as Podocotyle p.; Oregon. Hall and Pratt (1969).

Podocotyle californica Park, 1937. Oregon. Hall and Park (1969).

MONOGENEA

GYRODACTYLOIDEA

Gen. and sp. British Columbia. Gills. Arai (1969b).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Body cavities. Arai (1969b).

Contraecum sp. Larva. British Columbia. Body cavities. Arai (1969b).

PROTOZOA (CILIOPHORA)

URCEOLARIIDAE

Trichodina lairdi Lom, 1970. Washington. Gills. Lom (1970b).

Trichodina cottidarum subsp. cottidarum Lom, 1970. Washington. Gills. Lom (1970b).

COTTIDAE - Oligocottus snyderi Fluffy SculpinSYNONYM - Dialarchus snyderi

DIGenea

HEMIURIDAE

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1902. Oregon. Hall and Pratt (1969) as L. salmonis.

OPECOELIDAE

Podocotyle californica Park, 1937. Oregon. Hall and Pratt (1969); Dillon Beach, California. Intestines, caeca. Edmiston (1971).
Podocotyle sp. Dillon Beach, California. Intestines. Johnson (1949b).

ZOOGONIDAE

Zoogonoides viviparus (Olsson, 1868) Odhner, 1902. Oregon. Hall and Pratt (1969).

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Myxidium incurvatum Thélohan, 1892. Santa Barbara, Santa Rosa Island, California. Gallbladders. Noble (1941).CARANGIDAE - Oligoplites saurus Leatherjacket

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808. Massachusetts. Linton (1941).

COPEPODA

CALIGIDAE

Caligus bonito Wilson, 1905. Gulf of Mexico. Body surfaces. Bere (1936).

DIGenea

HEMIURIDAE

Lecithochirium monticelli (Linton, 1898) Crowcroft, 1946. Massachusetts. Stomachs. Linton (1940) as Sterrhurus m.Lecithochirium microstomum Chandler, 1935. Florida. Stomachs. Overstreet (1969).Mecoderus oligoplites Manter, 1940. Ecuador. Stomachs. Manter (1940a).

Oligoplites saurus (continued)

ACANTHOCOLPIDAE

Stephanostomum sp. Massachusetts. Linton (1940).Manteria brachydera (Manter, 1940) Caballero, 1950. Florida. Hutton (1964); Ecuador. Intestines. Manter (1940a) as Dihemistephanus b.

FELLODISTOMIDAE

Tergestia pectinata (Linton, 1905) Manter, 1940. Florida, Hutton (1964); Jamaica. Intestines. Nahhas and Cable (1964).

DINURIDAE

Ectenurus lepidus Looss, 1907. Brazil. Intestines. Travassos, Freitas and Kohn (1969).

MONOGENEA

DISCOTYLIDAE

Vallisia oligoplites Hargis, 1957. Florida. Gills. Hargis (1957).

HETERAXINIDAE

Heteraxinoides oligoplitis (Meserve, 1938) Price, 1962. Ecuador. Gills. Meserve (1938) as Axine o.SALMONIDAE - Oncorhynchus gorbuscha Pink Salmon

ACANTHOCEPHALA

POLYMORPHIDAE

Corynosoma strumosum (Rudolphi, 1802) Lühe, 1904. Juvenile. North Pacific. Margolis (1958b).Corynosoma villosum Van Cleave, 1953. Juvenile. Alaska. Margolis (1958b).Bolbosoma caenoforme (Heitz, 1920) Meyer, 1933. Larva. Kamchatka, USSR. Body cavities. Trofimenko (1962).

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. Datta, USSR. Intestines. Bogdanova (1963); British Columbia. Ekbaum (1938).

PARACANTHOCEPHALIDAE

Paracanthocephalus tenuirostris Akhmerov and Dombrovskaya-Ackmerova, 1941. USSR. Intestines. Bykhovskaya - Pavlovskaya et al (1962).

RHADINORHYNCHIDAE

Rhadinorhynchus trachuri Harada, 1935. Kamchatka, USSR. Mamaev, Parukhin, Baeva and Oschmarin (1959).

CESTODA

PROTEOCEPHALIDAE

Gangesia parasiluri Yamaguti, 1934. USSR. Yamaguti (1934b).

Oncorhynchus gorbuscha (continued)

PHYLLOBOTHRIDAE

Phyllobothrium sp. Larva. British Columbia. Intestines. Boyce (1969).

Phyllobothrium caudatum (Zschokke and Heitz, 1914). Larva. Amgun River, USSR. Intestines. Bogdanova (1963); British Columbia. Stomachs, pyloric caeca. Margolis (1952) as P. ketae.

TETRAPHYLLIDEA

Scolex pleuronectis Müller, 1788. Amur Basin, USSR. Gallbladders. Dubinina (1971).

Scolex polymorphus Rudolphi, 1819. Kamchatka, USSR. Akmerov (1954a) [= Scolex polymorphus - Wardle and McLeod (1952)].

TENTACULARIIDAE

Nybelinia lingualis (Cuvier, 1817) Dollfus, 1929. Larva. USSR. Body cavities. Bykhovskaya-Pavlovskaya et al (1962).

Nybelinia sp. Larva. British Columbia. Stomachs. Wardle (1932).

Nybelinia surmenicola Okada, 1929. Larva. Amgun River, USSR. Body cavities. Bogdanova (1963).

DIPLOCOTYLIDAE

Bothrimonus sturionis Duvernoy, 1842. Attu Island, Alaska. Intestines. Burt and Sandemann (1969).

AMPHICOTYLIDAE

Eubothrium crassum (Bloch, 1779). Kamchatka, USSR. Digestive tracts. Trofimenko (1962).

DIPHYLLOBOTHRIDAE

Diphyllobothrium sp. Larva. Amgun River, USSR. Muscles. Bogdanova (1963).

Diphyllobothrium latum (Linnaeus, 1758). Larva. Japan. Muscles. Eguchi (1932).

COPEPODA

CALIGIDAE

Caligus clemensi Parker and Margolis, 1964. British Columbia. Body surfaces. Parker and Margolis (1964).

Lepeophtheirus salmonis (Krøyer, 1838). Alaska. Gills and gill cavities. Wilson (1905b); Japan. Yamaguti (1939b).

LERNAEOPODIDAE

Salminicola californiensis (Dana, 1853) Kabata, 1969. Bering Sea. Wilson (1908a) as Lernaeopoda falculata.

Gen. and sp. Nasal cavities. Smirnova, Strelkov, Timofeev and Shulman (1964).

BOMOLOCHIDAE

Bomolochus cuneatus Fraser, 1920. Gulf of Alaska. Gills. Vervoort (1964) as Parabomolochus c.

Oncorhynchus gorbuscha (continued)

ARGULIDAE

Argulus coregoni Thorell, 1864. Amgun River, USSR. Gills. Bogdanova (1963).

ERGASILIDAE

Ergasilus wilsoni Markevich, 1933. Amgun River, USSR. Body surfaces. Bogdanova (1963).

Ergasilus briani Markevich, 1934. Amgun River, USSR. Gills. Bogdanova (1963).

DIGENEA

HEMIURIDAE

Parahemiurus merus (Linton, 1910) Woolcock, 1935. British Columbia. Stomachs. Boyce (1969); Amgun River, USSR. Intestines. Bogdanova (1963).

Derogenes varicus (Müller, 1784) Looss, 1901. Datta, USSR. Intestines. Bogdanova (1963).

Genolinea anura (Layman, 1930) Yamaguti, 1954. USSR. Stomachs. Bykhovskaya-Pavlovskaya et al (1962).

Genolinea oncorhynchi Margolis and Adams, 1956. British Columbia. Margolis and Adams (1956).

Brachyphallus amuriensis Babaskin, 1928. Kamchatka, USSR. Akhmerov (1954b).

Brachyphallus crenatus (Rudolphi, 1802) Odhner, 1905. Kamchatka, USSR. Digestive tracts. Trofimenko (1962).

Genarchopsis mdelleri (Levinsen, 1881) Yamaguti, 1954. Kamchatka, USSR. Digestive tracts. Trofimenko (1962) as Genarches m.

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia. Intestines, pyloric caeca. Margolis and Boyce (1969); Kamchatka, USSR. Trofimenko (1962).

Lecithaster stellatus Looss, 1907. USSR. Intestines. Bykhovskaya-Pavlovskaya et al (1962).

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. British Columbia. Intestines. Margolis and Boyce (1969); Amgun River, USSR. Intestines. Bogdanova (1963).

Hemiurus levinseni Odhner, 1905. British Columbia. Margolis (1956); Amgun River, USSR. Intestines. Bogdanova (1963).

Hemiurus appendiculatus (Rudolphi, 1802) Looss, 1899. USSR. Stomachs, intestines. Bykhovskaya-Pavlovskaya et al (1962).

Lecithophyllum anteroporum Margolis, 1958. British Columbia. Stomachs. Margolis (1958a) [= L. botryophorum - Sekerak and Arai (1973)].

BUCEPHALIDAE

Bucephalopsis gracilescens (Rudolphi, 1819). Kamchatka, USSR. Digestive tracts. Trofimenko (1962).

Bucephalopsis basargini Layman, 1930. Kamchatka, USSR. Intestines. Akhmerov (1955).

HETEROPHYIDAE

Apophallus sp. Larva. USSR. Gills. Bogdanova (1963).

SYNCOELIDAE

Syncoelium filiferum (Leuckart in Sars, 1885). Washington. Branchial cavities. Lloyd and Guberlet (1936).

Oncorhynchus gorbuscha (continued)

FELLODISTOMIDAE

Pentagramma petrowi (Laymann, 1930) Margolis and Ching, 1965. British Columbia. Intestines. Boyce (1969); Alaska. Pyloric caeca, intestines. Margolis and Ching (1965).

LAMPFITREMATIDAE

Lampfitrema nipponicum Yamaguti, 1940. Okhotsk Sea, USSR. Margolis (1962).

OPECOELIDAE

Podocotyle enophrysi Park, 1937. Puget Sound, Washington. Intestines. Aldrich (1960).

Podocotyle gibbonsiae Johnson, 1949. Puget Sound, Washington. Intestines. Aldrich (1960).

Podocotyle atomon (Rudolphi, 1802) Odhner, 1905. Sea of Japan. Stomachs. Zhukov (1960a).

ALLOCREADIIDAE

Crepidostomum farionis (Müller, 1780). USSR. Intestines. Bykhovskaya-Pavlovskaya et al (1962).

Crepidostomum ussuriensis Layman, 1930. Amgun River, USSR. Intestines. Bogdanova (1963).

HIRUDINEA

PISCICOLIDAE

Piscicola salmositica Meyer, 1946. Washington. Pectoral and pelvic fins, gills. Becker and Katz (1965a).

MOLLUSCA

UNIONIDAE

Gen. and sp. Amgun River, USSR. Gill cavities. Bogdanova (1963).

MONOGENEA

GYRODACTYLIDAE

Gyrodactyloides strelkowi Bykhovsky and Poljansky, 1953. Kurile Islands, USSR. Bykhovsky and Poljansky (1953).

NEMATODA

PHILOMETRIDAE

Philonema oncorhynchi Kuitunen-Ekbaum, 1933. Kamchatka, USSR. Mamaev, Parukhin, Baeva and Oschmarin (1959).

SPIRURIDAE

Ascarophis skrjabini (Layman, 1933) Poljansky, 1952. USSR. Intestines. Ko and Anderson (1969).

ANISAKIDAE

Contraeaecum hypomesi Fujita, 1932. Larva. Japan. Body cavities. Fujita (1939).

Contraeaecum robustum Chandler, 1935. Larva. Japan. Intestines. Fujita (1939).

Oncorhynchus gorbuscha (continued)

Contracecum sp. Larva. British Columbia. Intestines. Boyce (1969).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Larva. Amgun River, USSR. Intestines. Bogdanova (1963); adult. Kamchatka, USSR. Trofimenko (1962) both as Contracecum a.

Anisakis sp. Larva. British Columbia. Body cavities. Arai (1969b); Kamchatka, USSR. Trofimenko (1962).

CUCULLANIDAE

Truttaedacnitis trutta (Fabricius, 1774) Petter, 1974. Kamchatka, USSR. Intestines. Strelkov (1960) as Cucullanus t.; USSR. Bykhovskaya-Pavlovskaya et al (1962) as Cucullanus laevis.

SPIRUROIDEA

Cystidicola farionis Fisher, 1798. Soviet far east; Alaska. Swim-bladders. Margolis (1967b) "probable host".

PROTOZOA (CILIOPHORA)

OPHRYOGLLENIDAE

Ichthyophthirius multifiliis Fouquet, 1876. Amgun River, USSR. Gills. Bogdanova (1963).

URCEOLARIIDAE

Trichodina truttae Müller, 1937. Sakhalin, USSR. Fins, gills, body surfaces. Bogdanova and Stein (1963).

Trichodina domerguei f. latispina Dogiel, 1940. Sakhalin, USSR. Bogdanova and Stein (1963).

Trichodina gracilis Poljansky, 1955. Sakhalin, USSR. Bogdanova and Stein (1963).

Trichodina pungitii Bogdanova and Shtein (in litt.) USSR. Body surfaces, gills. Bykhovskaya-Pavlovskaya et al (1962).

Tripartiella californica (Davis, 1947). Rivers of south Sakhalin, USSR. Gills. Bogdanova and Stein (1963).

PROTOZOA (MICROSPORIDA)

Gen. and sp. Rivers leading into White Sea, USSR. Kidneys. Grozdilova (1968).

PROTOZOA (MYXOSPORIDA)

MYXOBOLIDAE

Henneguya salminicola Ward, 1919. Alaska. Cysts in muscles. Fish (1939).

MYXOSOMATIDAE

Myxosoma cerebralis (Hofer, 1903) Kudo, 1933. Sakhalin Island, USSR. Cartilage of head, gill arches and bones. Bogdanova (1960).

CERATOMYXIDAE

Leptotheca krogiusi Konovalov and Shulman, 1965. Kamchatka, USSR. Urinary bladders. Shulman (1966).

Oncorhynchus gorbuscha (continued)

CHLOROMYXIDAE

Chloromyxum giganteum Fujita, 1923. Japan. Gallbladders. Fujita (1923).

Chloromyxum quadriforme Fujita, 1923. Gallbladders. Fujita (1923).

MYXIDIIDAE

Myxidium oviforme Parisi, 1912. USSR. Gallbladders. Bykhovskaya-Pavlovskaya et al (1962).

Myxidium obscurum Konovalov, 1966. Kamchatka, USSR. Intestines, urinary bladders. Shulman (1966).

Zschokkella orientalis Konovalov and Shulman, 1966. USSR. Gallbladders. Schulman (1966).

PROTOZOA (SARCOMASTIGOPHORA)

CRYPTOBIIDAE

Cryptobia salmositica Katz, 1951. Washington. Blood. Becker and Katz (1965b).

Cryptobia makeevi (Akhmerov, 1959) Bykhovskaya-Pavlovskaya, 1962. Amur River, USSR. Blood. Bykhovskaya-Pavlovskaya et al (1962).

SALMONIDAE - Oncorhynchus keta Chum SalmonSYNONYM - Salmo keta

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Acanthocephalus echigoensis Fujita, 1920. Japan. Fujita (1920); Kamchatka, USSR. Mamaev, Parukhin, Baeva and Oschmarin (1959) as A. aculeatus.

Echinorhynchus gadi Zoega in Müller, 1776. Amur Basin, USSR. Intestines. Sokolovskaya (1971); British Columbia. Ekbaum (1938).

NEOECHINORHYNCHIDAE

Neoechinorhynchus rutili (Müller, 1780). British Columbia. Intestines. Arai (1969b).

POLYMORPHIDAE

Corynosoma villosum Van Cleave, 1953. Larva. USSR. Coeloms. Bykhovskaya-Pavlovskaya et al (1962).

Bolbosoma caenoforme (Heitz, 1920) Meyer, 1933. Amur Basin, USSR. Body cavities. Sokolovskaya (1971).

RHADINORHYNCHIDAE

Rhadinorhynchus trachuri Harada, 1935. Okhotsk Sea, USSR. Intestines. Bogdanova (1963).

CESTODA

DIPHYLLOBOTHRIDAE

Diphyllobothrium sp. Larva. Amgun River, USSR. Muscles. Bogdanova (1963).

Oncorhynchus keta (continued)

Diphyllbothrium latum (Linnaeus, 1758). Pleurocercoid. Japan. Muscles. Ehuchi (1932).

AMPHICOTYLIDAE

Eubothrium oncorhynchi Wardle, 1932. British Columbia. Pyloric caeca and protruding into intestines. Margolis (1952).

Eubothrium crassum (Bloch, 1779). Okhotsk Sea, Amgun River, USSR. Intestines. Bogdanova (1963).

PHYLLOBOTHRIIDAE

Phyllobothrium caudatum (Zschokke and Heitz, 1914). Larva. Okhotsk Sea, Amgun River, USSR. Intestines, anuses. Bogdanova (1963); Alaska. Canavan (1928); British Columbia. Stomachs, pyloric caeca. Margolis (1952) latter two as P. ketae.

Phyllobothrium sp. Larva. British Columbia. Intestines. Arai (1969b).

TETRAPHYLLIDEA

Scolex pleuronectis Müller, 1788. Amur Basin, USSR. Gallbladders. Dubinina (1971).

HEPATOXYLIDAE

Hepatoxylon trichiuri (Holten, 1802) Dollfus, 1942. Larva. Amur Basin, USSR. Muscles. Dubinina (1971).

TENTACULARIIDAE

Nybelinia sp. Larva. British Columbia. Stomachs. Wardle (1932).

Nybelinia lingualis (Cuvier, 1817) Dollfus, 1929. Larva. USSR. Body cavities. Bykhovskaya-Pavlovskaya et al (1962).

Nybelinia surmenicola Okada, 1929. Larva. Amgun River, USSR. Body cavities. Bogdanova (1963).

PROTEOCEPHALIDAE

Gangesia parasiluri Yamaguti, 1934. USSR. Yamaguti (1934b).

Proteocephalus exiguus La Rue, 1910. Kamchatka, USSR. Mamaev, Parukhin, Baeva and Oschmarin (1959).

TRIAENOPHORIDAE

Trienophorus crassus Forel, 1868. Larva. Hoffman (1967).

COPEPODA

LERNAEOPODIDAE

Salmincola salmoneus (Linnaeus). USSR. Gills. Bykhovskaya-Pavlovskaya et al (1962) as S. salmonea.

Salmincola californiensis (Dana, 1853). Kabata, 1969. USSR. Gills. Kabata (1969).

CALIGIDAE

Caligus clemensi Parker and Margolis, 1964. Vancouver Island, British Columbia. Fraser (1920) as C. gurnardi; British Columbia. Body surfaces. Parker and Margolis (1964).

Lepeophtheirus salmonis (Krøyer, 1838). Japan. Body surfaces. Shiino (1959e); USSR. Bykhovskaya-Pavlovskaya et al (1962).

Oncorhynchus keta (continued)

ARGULIDAE

Argulus coregoni Thorell, 1864. Amgun River, USSR. Gills. Bogdanova (1963).

ERGASILIDAE

Ergasilus briani Markevich, 1934. USSR. Gills. Bykhovskaya-Pavlovskaya et al (1962).

DIGENEA

HEMIURIDAE

Hemiurus levinseni Odhner, 1905. Kamchatka, USSR. Mamaev, Parukhin, Baeva and Oschmarin (1959).

Parahemiurus merus (Linton, 1910) Woolcock, 1935. Kamchatka, USSR. Mamaev, Parukhin, Baeva and Oschmarin (1959).

Brachyphallus amuriensis Babaskin, 1928. Kamchatka, USSR. Akhmerov (1954b).

Brachyphallus crenatus (Rudolphi, 1802) Odhner, 1905. Strait of Georgia, British Columbia. Stomachs. Margolis (1952); Kamchatka, USSR. Trofimenko (1962); Japan. Machida, Araki, Kamiya and Ohbayashi (1972).

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. British Columbia. Intestines. Margolis and Boyce (1969); USSR. Bykhovskaya-Pavlovskaya et al (1962).

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia. Intestines. Margolis and Boyce (1961); Kamchatka, USSR. Trofimenko (1962); Japan. Intestines. Yamaguti (1934a) as L. salmonis.

Lecithaster stellatus Looss, 1907. USSR. Intestines. Bykhovskaya-Pavlovskaya et al (1962).

Genarchopsis müelleri (Levinson, 1881). Yamaguti, 1954. Kamchatka, USSR. Trofimenko (1962) as Genarches m.

NANOPHYETIDAE

Nanophyetus salminicola (Chapin, 1926) Chapin, 1927. Metacercaria. Oregon. Simms, Donham, Shaw and McCapes (1931); USSR. Filimonova (1964) as N. schikhobalowi.

HETEROPHYIDAE

Apophallus sp. Larva. Amgun River, USSR. Gills. Bogdanova (1963).
Galactosomum sp. Larva. British Columbia. Gills (encysted) Arai (1969b).

ALLOCREADIIDAE

Crepidostomum salmonis Fujita, 1921. Japan. Fujita (1921b).

BUCEPHALIDAE

Bucephalopsis gracilescens (Rudolphi, 1819). Kamchatka, USSR. Mamaev, Parukhin, Baeva and Oschmarin (1959).

ISOPARORCHIIDAE

Isoparorchis hypselobagri (Billet, 1898) Ejsmont, 1932. Juvenile. Amur Basin, USSR. Akhmerov (1961).

Oncorhynchus keta (continued)

FUNGUS

Saprolegnia sp. Amgun River, USSR. Visceral cavities. Bogdanova (1963).

HIRUDINEA

PISCICOLIDAE

Piscicola salmositica Meyer, 1946. Washington. Pectoral and pelvic fins, gill lamellae. Becker and Katz (1965a).

Trachelobdella okae Moore, 1924. Amur Basin, USSR. Epshtein (1964).

MOLLUSCA

UNIONIDAE

Unio sp. Larva. Amgun River, USSR. Gills. Bogdanova (1963).

MONOGENEA

GYRODACTYLIDAE

Gyrodactylus lenoki Gussev, 1953. Sakhalin Island, USSR. Gills. Bogdanova (1960b).

Gyrodactyloides strelkowi Bykhovsky and Poljansky, 1953. Kamchatka USSR. Mamaev, Parukhin, Baeva and Oschmarin (1959).

NEMATODA

ANISAKIDAE

Contraeaecum benimasu Fujita, 1932. Larva. Japan. Fukui (1958).

Contraeaecum longispiculum Fujita, 1940. Larva. Japan. Body cavities. Fujita (1940).

Contraeaecum oshoroense Fujita, 1940. Japan. Body cavities. Fujita (1940).

Contraeaecum tridentatum Fujita, 1939. Larva. Japan. "In body." Fujita (1939).

Contraeaecum unidentatum Fujita, 1939. Larva. Japan. Body cavities. Fujita (1939).

Contraeaecum hypomesi Fujita, 1932. Larva. Japan. Body cavities. Fujita (1939).

Contraeaecum sp. Larva. British Columbia. Body cavities. Arai (1969b).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Larva. Okhotsk Sea, Amgun River, USSR. Livers, body cavities. Bogdanova (1963) as Contraeaecum a.

Anisakis sp. Larva. British Columbia. Body cavities. Arai (1969b); Kamchatka, USSR. Trofimenko (1962).

Goezia oncorhynchi Fujita, 1940. Larva. Japan. Intestines. Fujita (1940). [Species incertae sedis - Rasheed (1965)].

PHILOMETRIDAE

Philonema oncorhynchi Kuitunen-Ekbaum, 1933. Kamchatka, USSR. Akhmerov (1954b).

Philonema kondai Fujita, 1939. Japan. Body cavities. Fujita (1939).

Philonema tenuicauda Fujita, 1939. Larva. Japan. Meyer (1960).

Oncorhynchus keta (continued)

SPIRURIDAE

Ascarophis skrjabini (Layman, 1933) Poljansky, 1952. Kamchatka, USSR. Mamaev, Parukhin, Baeva and Oschmarin (1959).

SPIRUROIDEA

Cystidicoloides tenuissima (Zeder, 1800) Rasheed, 1966. Japan.

Intestines. Fujita (1939) as Metabronema salvelini.

Salvelinema ishii (Fujita, 1941) Margolis, 1968. Japan. Intestines.

Fujita (1941) as Metabronema i.

Salvelinema salmonicola (Ishii, 1916) Margolis, 1966. Japan to USSR.

Swimbladders. Margolis (1967b).

Rhabdochona oncorhynchi (Fujita, 1921) Fujita, 1927. Japan. Intestines.

Fujita (1940).

PROTOZOA (CILIOPHORA)

URCEOLARIDAE

Trichodina gracilis Poljansky, 1955. Sakhalin Island, USSR. Bogdanova and Stein (1963).

Trichodina truttae Mueller, 1937. Sakhalin Island, USSR. Gills, fins, body surfaces. Bogdanova and Stein (1963).

Trichodina domerguei f. latispina Dogiel, 1940. Sakhalin Island, USSR. Gills. Bogdanova and Stein (1963).

Tripartiella californica (Davis, 1947). Sakhalin Island, USSR. Gills. Bogdanova and Stein (1963).

Tripartiella pungitii Bogdanova and Shtein, in litt. USSR. Body surfaces, gills. Bykhovskaya-Pavlovskaya et al (1962).

OPHRYOGLENIDAE

Ichthyophthirius multifiliis Fouquet, 1876. Amgun River, USSR. Gills. Bogdanova (1963).

PROTOZOA (MYXOSPORIDA)

MYXOSOMATIDAE

Myxosoma cerebralis (Hofer, 1903) Kudo, 1933. Sakhalin Island, USSR. Cartilage of heads, gill arches, bones. Bogdanova (1960a).

Myxosoma salmonis Hoshina, 1949. Japan. Cysts in skin. Hoshina (1949).

Myxosoma soldatovi (Akhmerov, 1960) Kudo and Meglitsch, in preparation. Amur River, USSR. Cysts under scales. Akhmerov (1960) as Myxobolus s.

Myxosoma dermatobia (Ishii, 1916.) Hoshina, 1952. Tissue. Petrushevski and Shulman (1955).

Myxosoma squamalis Iverson, 1954. Washington. Body surfaces. Iverson (1954).

MYXOBOLIDAE

Henneguya salminicola Ward, 1919. Alaska. Cysts in muscles. Fish (1939).

Oncorhynchus keta (continued)

CERATOMYXIDAE

- Ceratomyxa shasta Noble, 1950. British Columbia. Lesions in kidneys, pyloric caeca, intestines, muscles. Margolis and Evelyn (1975).
Leptotheca krogiusi Konovalov and Shulman, 1965. Kamchatka, USSR. Urinary bladders. Shulman (1966).

CHLOROMYXIDAE

- Chloromyxum chitosense Fujita, 1923. Japan. Gallbladders. Fujita (1923).
Chloromyxum quadriforme Fujita, 1923. Japan. Gallbladders. Fujita (1923).
Chloromyxum tanakai Fujita, 1936. Japan. Gallbladders. Fujita (1936).

MYXIDIIDAE

- Myxidium oviforme Parisi, 1912. USSR. Gallbladders. Bykhovskaya-Pavlovskaya et al (1962).
Myxidium obscurum Konovalov, 1966. Kamchatka, USSR. Anterior part of intestines, urinary bladders. Kudo and Meglitsch (in preparation).
Myxidium minteri Yasutake and Wood, 1957. Oregon. Gallbladders. Sanders and Fryer (1970).

PROTOZOA (SARCOMASTIGOPHORA)

CRYPTOBIIDAE

- Cryptobia makeevi (Akhmerov, 1959) Bykhovskaya-Pavlovskaya et al 1962. Amur River Basin, USSR. Blood. Bykhovskaya-Pavlovskaya et al (1962).
Cryptobia salmositica Katz, 1951. Washington. Becker and Katz (1965b).

SALMONIDAE - Oncorhynchus kisutch Silver Salmon

ACANTHOCEPHALA

ECHINORHYNCHIDAE

- Metechinorhynchus lateralis (Leidy, 1851) Golvan, 1969. Humboldt Bay, California. Intestines. Haderlie (1953) as Echinorhynchus l.
Echinorhynchus gadi Zoega in Müller, 1776. British Columbia. Intestines. Arai (1969b); Kamchatka, USSR. Strelkov (1960).

NEOECHINORHYNCHIDAE

- Neoechinorhynchus rutili (Müller, 1780). British Columbia. Intestines. Arai (1969b); USSR. Bykhovskaya-Pavlovskaya et al (1962).
Neoechinorhynchus cristatum Lynch, 1936. Kamchatka, USSR. Intestines. Akhmerov (1955).

POLYMORPHIDAE

- Bulbosoma coenoforme (Heitz, 1920) Meyer, 1933. Larva. Kamchatka, USSR. Intestines. Strelkov (1960).
Corynosoma sp. Juvenile. British Columbia. Intestines. Arai (1969b).

Oncorhynchus kisutch (continued)

RHADINORHYNCHIDAE

Rhadinorhynchus trachuri Harada, 1935. Kamchatka, USSR. Mamaev, Parukhin, Baeva and Oschmarin (1959).

POMPHORYNCHIDAE

Pomphorynchus bulbocolli (Linkins, 1918) Van Cleave, 1919. British Columbia. Bangham and Adams (1954).

CESTODA

AMPHICOTYLIDAE

Eubothrium oncorhynchi Wardle, 1932. British Columbia. Pyloric caeca. Wardle (1932).

Eubothrium crassum (Bloch, 1779). Kamchatka, USSR. Strelkov (1960).

TETRAPHYLLIDEA

Scolex pleuronectis Müller, 1788. Kamchatka, USSR. Intestines. Strelkov (1960).

Scolex polymorphus Rudolphi, 1819. Kamchatka, USSR. Akhmerov (1954a) [= S. pleuronectis - Wardle and McLeod (1952)].

CYATHOCEPHALIDAE

Cyathocephallus truncatus (Pallas, 1781). USSR. Intestines. Bykhovskaya-Pavlovskaya et al (1962).

DIPHYLLOBOTHRIDAE

Diphyllobothrium cordiceps Leidy, 1871. Larva. Montana. Body cavities. Simms and Shan (1931) as Dibothrium c.

Diphyllobothrium sp. Larva. British Columbia. Body cavities. Arai (1969b).

PHYLLOBOTHRIDAE

Phyllobothrium sp. Larva. British Columbia. Intestines. Arai (1969b).

Phyllobothrium caudatum (Zschokke and Heitz, 1914). Kamchatka, USSR. Mamaev, Parukhin, Baeva and Oschmarin (1959).

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Kamchatka, USSR. Mamaev, Parukhin, Baeva and Oschmarin (1959).

Nybelinia sp. Larva. British Columbia. Stomachs. Wardle (1932).

PROTEOCEPHALIDAE

Proteocephalus sp. Larva. British Columbia. Intestines. Arai (1969b).

Proteocephalus salmonidicola Alexander, 1951. Washington. Intestines. Becker (1967a).

Proteocephalus ambloplitis (Leidy, 1887) Benedict, 1900. Pleurocercoid. Washington. Becker (1967a).

Proteocephalus arcticus Cooper, 1921. Canada. Yamaguti (1959b) [Species Inquirae Freze (1965)].

Oncorhynchus kisutch (continued)

COPEPODA

CALIGIDAE

Lepeophtheirus salmonis (Krøyer, 1838). British Columbia. Skin surfaces. Margolis (1952).

Caligus clemensi Parker and Margolis, 1964. British Columbia. Body surfaces. Parker and Margolis (1964).

ARGULIDAE

Argulus pugettensis Dana, 1852. Union Bay, Pacific Coast. Wilson (1908a).

LERNAEOPODIDAE

Salmincola californiensis (Dana, 1853) Kabata, 1969. British Columbia. Pectoral fins. Arai (1969b).

DIGenea

HEMIURIDAE

Hemiurus levinseni Odhner, 1905. Kamchatka, USSR. Intestines. Strelkov (1960).

Brachyphallus crenatus (Rudolphi, 1802) Odhner, 1905. Kamchatka, USSR. Strelkov (1960).

Deropegus aspina (Ingles, 1936) McCauley and Pratt, 1961. Oregon. Stomachs. McCauley and Pratt (1961).

Parahemiurus merus (Linton, 1910) Woolcock, 1935. British Columbia. Intestines, pyloric caeca. Arai (1969b).

Derogenes sp. Pratt and McCauley (1961).

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia. Intestines, pyloric caeca. Arai (1969b); Kamchatka, USSR. Strelkov (1960); Washington. Ching (1960a) as L. salmonis.

Lecithophyllum anteroporum Margolis, 1958. British Columbia. Margolis (1958a).

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Washington. Ching (1960a).

Tubulovesicula nanaimoensis (McFarlane, 1936) Manter, 1947. Vancouver Island, British Columbia. Stomachs. Margolis (1952).

ALLOCREADIIDAE

Crepidostomum farionis (Müller, 1780) Braun, 1900. British Columbia. Bangham and Adams (1954); British Columbia. Intestines, pyloric caeca. Arai (1969b).

DIPLOSTOMIDAE

Diplostomum sp. British Columbia. Bangham and Adams (1954); Kamchatka, USSR. Mamaev, Parukhin, Baeva and Oschmarin (1959).

Diplostomum flexicaudum (Cort and Brooks, 1928) Van Haitsma, 1921. Metacercaria. Washington. Eyes. Becker (1967a).

NANOPHYETIDAE

Nanophyetus salmincola (Chapin, 1926) Chapin, 1927. Metacercaria. Oregon. Simms, Donham, Shaw and McCapes (1931); Oregon. Kidneys. Millemann, Gebhardt and Knapp (1964).

Oncorhynchus kisutch (continued)

OPECOELIDAE

Plagioporus shawi (McIntosh, 1939) Margolis, 1970. Oregon. Intestines.
McIntosh (1939) as Podocotyle s.

SYNCOELIIDAE

Syncoelium filiferum (Leuckart in Sars, 1885). Kamchatka, USSR.
Mamaev, Parukhin, Baeva and Oschmarin (1959).

DIDYMOZOIDAE

Gen. and sp. Larva. Kamchatka, USSR. Mamaev, Parukhin, Baeva and
Oschmarin (1959) as Monilicaecum ventricosum.

HIRUDINEA

PISCICOLIDAE

Piscicola salmositica Meyer, 1946. British Columbia, Washington,
Oregon. Pectoral, pelvic fins, gills. Becker and Katz (1965a).

MONOGENEA

CAPSALIDAE

Encotyllabe masu Ishii and Sawada, 1938. Japan. Gills. Sproston
(1946).

TETRAONCIDAE

Tetraonchus alaskensis Price, 1937. Alaska. Price (1937a); USSR.
Gill filaments. Bykhovskaya-Pavlovskaya (1962).

GYRODACTYLIDAE

Gyrodactyloides strelkowi Bykhovsky and Poljansky, 1953. Kamchatka,
USSR. Mamaev, Parukhin, Baeva and Oschmarin (1959).

GYRODACTYLOIDEA

Gen. and sp. British Columbia. Gills. Arai (1969b).

NEMATODA

CUCULLANIDAE

Cucullanus sp. British Columbia. Intestines. Arai (1969b).
Truttaedacnitis trutta (Fabricius, 1794) Petter, 1974. Kamchatka,
USSR. Strelkov (1960).

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Body cavities. Arai (1969b);
Kamchatka, USSR. Strelkov (1960).

Contracaecum crassicaudatum Fujita, 1939. Larva. Japan. Body
cavities. Fujita (1939).

Contracaecum hippoglossi Fujita, 1932. Larva. Japan. Fujita (1932).

Contracaecum sp. Larva. British Columbia. Body cavities. Arai (1969b).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. British Columbia.
Stomachs, intestines. Margolis (1952); USSR. Bykhovskaya-Pavlov-
skaya et al (1962). Both as Contracaecum a.

Raphidascaris sp. Japan. Fukui (1958).

Oncorhynchus kisutch (continued)

SPIRURIDAE

Ascarophis sebastodis Olsen, 1952. British Columbia. Intestines.
Arai (1969b).

SPIRUROIDEA

Cystidicoloides tenuissima (Zeder, 1800) Rasheed, 1966. British Columbia. Margolis (1965); Napa County, California. Intestines. Haderlie (1953). Both as Metabronema salvelini.

Cystidicola farionis Fischer, 1798. Soviet Far East. Swimbladders. Margolis (1967b). "Probable host".

Salvelinema walkeri (Ekbaum, 1935) Margolis, 1967. California. Swimbladders. Margolis (1967b); Straits of Georgia, British Columbia. Ekbaum (1935) as Cystidicola w.; California. Haderlie (1953) as Cystidicola stigmatura.

Rhabdochona kisutchi Margolis, Moravec and MacDonald, 1975. British Columbia. Intestines, pyloric caeca. Margolis, Moravic and MacDonald (1975).

PHILOMETRIDAE

Philonema oncorhynchi Kuitunen-Ekbaum, 1933. Kamchatka, USSR. Parukhin, Baeva and Oschmarin (1959); Larva. British Columbia. Bangham and Adams (1954).

Philonema sp. British Columbia. Swimbladder walls. Arai (1969b).

TRICHURIDAE

Capillaria sp. British Columbia. Stomachs. Arai (1969b).

Capillaria bakeri Mueller and Van Cleave, 1932. British Columbia. Bangham and Adams (1954) as Hepaticola bakeri.

PROTOZOA (CILIOPHORA)

URCEOLARIIDAE

Trichodina sp. Washington. Gills. Becker (1967a).

DENDROSOMIDAE

Trichophyra sp. Washington. Gills. Becker (1967a).

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Myxidium minteri Yasutake and Wood, 1957. Washington, Oregon. Renal tubules. Yasutake and Wood (1957); gallbladders. Sanders and Fryer (1970).

Zschokkella orientalis Konovalov and Shulman, 1966. USSR. Gallbladders. Shulman (1966).

MYXOBOLIDAE

Myxobolus squamae Keysselitz, 1908. Oregon. Flesh. Shaw, Simms and Muth (1934).

Myxobolus kisutchi Yasutake and Wood, 1957. Washington. Spinal cords. Yasutake and Wood (1957).

Myxobolus neurobius Schuberg and Schroder, 1905. Kamchatka, USSR. Cysts in nervous tissues. Kudo and Meglitsch (in preparation).

Henneguya salminicola Ward, 1919. Alaska, Washington. Cysts in muscles. Fish (1939); Kamchatka, USSR. Zschokke and Heftz (1914) as H. zschokkei.

Oncorhynchus kisutch (continued)

MYXOSOMATIDAE

Myxosoma squamalis Iverson, 1954. Washington. Body surfaces. Iverson (1954); British Columbia. Margolis (1952).

Myxosoma soldatovi (Akmerov, 1960) Kudo and Meglitsch, (in preparation). Amur River, USSR. Cysts under scales. Akmerov (1960).

Myxosoma dermatobia (Ishii, 1916) Hoshina, 1952. USSR. Skins. Bykhovskaya-Pavlovskaya et al (1962).

CERATOMYXIDAE

Leptotheca krogiusi Konovalov and Shulman, 1965. Kamchatka, USSR. Urinary bladders. Shulman (1966).

Ceratomyxa shasta Noble, 1950. Columbia River. Sanders, Fryer and Gould (1970).

PROTOZA (SARCOMASTIGOPHORA)

CRYPTOBIIDAE

Cryptobia borreli (Laveran and Mesnil, 1901). Northern California. Blood. Wales and Wolf (1955).

Cryptobia salmositica Katz, 1951. Oregon. Blood. Davison and Breese (1954); British Columbia, Washington. Becker and Katz (1965b); USSR. Bykhovskaya-Pavlovskaya et al (1962).

THECAMOEBIDAE

Thecamoeba hoffmani Sawyer, Hnath and Conrad, 1974. Oregon, Washington. Gills. Sawyer, Hnath and Conrad (1974).

SALMONIDAE - Oncorhynchus nerka Sockeye Salmon

SYNONYM - O. nerka nerka, O. nerka kenneryi, O. nerka adonis

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Metechinorhynchus salmonis (Müller, 1784) Petrotschenko, 1956. Lake Huron. Intestines. Collins and Dechtiar (1974); Kamchatka, USSR. Konovalov, Sheliakov, Krasin (1970).

Echinorhynchus gadi Zoega in Muller, 1776. Kamchatka, USSR. Trofimenko (1962).

Acanthocephalus echigoensis Fujita, 1920. Lake Aoki, Japan. Van Cleave (1931) as A. aculeatus.

Acanthocephalus jacksoni Bullock, 1962. Lake Huron. Intestines. Collins and Dechtiar (1974).

NEOECHINORHYNCHIDAE

Neoechinorhynchus rutili (Müller, 1780). British Columbia. Intestines. Arai (1969b); Oregon. Intestines. Merritt and Pratt (1964); Kamchatka, USSR. Trofimenko (1962); Lake Huron. Collins and Dechtiar (1974).

Oncorhynchus nerka (continued)

Neoechinorhynchus pungitius. Lake Huron. Intestines. Collins and Dichtiar (1974).

RHADINORHYNCHIDAE

Rhadinorhynchus trachuri Harada, 1935. Washington. Margolis (1963) as Nipporhynchus t.

LEPTORHYNCHOIDIDAE

Leptorhynchoides thecatus (Linton, 1891) Kostylew, 1924. Lake Huron. Intestines. Collins and Dechtiar (1974).

POLYMORPHIDAE

Bolbosoma caenoforme (Heitz, 1920) Meyer, 1933. Kamchatka, USSR. Akhmerov (1954b); Washington to Alaska. Margolis (1963).

Corynosoma strumosum (Rudolphi, 1802) Lühe, 1904. Juvenile. North Pacific. Margolis (1958b); Kamchatka, USSR. Trofimenko (1962).

Corynosoma semerme (Forssell, 1904) Lühe, 1911. Juvenile. Alaska. Margolis (1958b).

Corynosoma wegeneri Heinze, 1934. Juvenile. Alaska. Margolis (1958b).

POMPHORHYNCHIDAE

Pomphorhynchus bulbocolli (Linkins, 1918) Van Cleave, 1919. British Columbia. Bangham and Adams (1954); Lake Huron. Intestines. Collins and Dechtiar (1974).

ARTHROPODA

Hydrachna sp. Lake Huron. Gills. Collins and Dechtiar (1974).

CESTODA

DIPHYLLOBOTHRIDAE

Diphyllobothrium ursi Rausch, 1954. Pleroceroïd. Alaska. Intestines. Rausch (1954).

Diphyllobothrium sp. Larva. British Columbia. Body cavities. Arai (1969b); Kamchatka, USSR. Body cavities. Trofimenko (1962); Donner Lake, California. Haderlie (1953).

Schistocephalus sp. Larva. British Columbia. Bangham and Adams (1954).

PHYLLOBOTHRIDAE

Phyllobothrium sp. Larva. British Columbia. Intestines. Arai (1969b).

Phyllobothrium caudatum (Zschokke and Heitz, 1914). Larva. Kamchatka, USSR. Digestive tracts. Trofimenko (1962) as Pelichnibothrium speciosum; Washington. Margolis (1965).

TETRAPHYLLIDEA

Scolex pleuronectis Müller, 1788. Kamchatka, USSR. Intestines. Strelkov (1960).

Scolex polymorphus Rudolphi, 1819. Kamchatka, USSR. Intestines. Akmerov (1955) [= S. pleuronectis - Wardle and McLeod (1952)].

Oncorhynchus nerka (continued)

CYATHOCEPHALIDAE

Cyathocephalus truncatus (Pallas, 1781). USSR. Intestines. Bykhovskaya-Pavlovskaya et al (1962).

AMPHICOTYLIDAE

Eubothrium crassum (Bloch, 1779). Kamchatka, USSR. Mamaev, Parukhin, Baeva and Oschmarin (1959).

Eubothrium salvelini (Schrank, 1790) Nybelin, 1922. Washington to Alaska. Intestines. Smith (1973); Kamchatka, USSR. Konovalov, Shevliakov and Krasin (1970).

Eubothrium sp. British Columbia, Alaska. Margolis (1963).

TRIAENOPHORIDAE

Triaienophorus crassus Forel, 1868. Alaska. Margolis (1967c).

Triaienophorus nodulosus Pallas, 1760. Larva. Lake Huron. Livers. Collins and Dechtiar (1974).

TENTACULARIIDAE

Nybelinia sp. Larva. British Columbia. Stomachs. Wardle (1932).

PROTEOCEPHALIDAE

Proteocephalus arcticus Cooper, 1921. British Columbia. Wardle (1933b). [Species Inquireae Freze (1965)].

Proteocephalus exiguus La Rue, 1911. British Columbia. Bangham and Adams (1954); Kamchatka, USSR. Akhmerov (1954b).

Proteocephalus laruei Faust, 1920. Hoffman (1967).

Proteocephalus sp. Larva. Washington to Alaska. Margolis (1963).

DIPLOCOTYLIDAE

Bothrimonus sturionis Durvernoy, 1842. Alaska. Margolis (1963) as Diplocotyle olkirki.

COPEPODA

LERNAEOPODIDAE

Salmincola edwardsii (Olsson, 1869) Wilson, 1915. Kamchatka, USSR. Akhmerov (1954b).

Salmincola californiensis (Dana, 1853) Kabata, 1969. Oregon, Washington, Idaho, British Columbia. Gills. Kabata (1969c); Japan. Mouth. Yamaguti (1939c); USSR. Bykhovskaya-Pavlovskaya et al (1962) as Salminicola falculata.

ERGASILIDAE

Ergasilus auritus Markevich, 1940. Alaska, British Columbia. Roberts (1963); Kamchatka, USSR. Konovalov, Shevliakov and Krasin (1970).

Ergasilus nerkae Roberts, 1963. British Columbia. Gills. Roberts (1963).

Ergasilus turgidus Fraser, 1920. Alaska. Gills, fins. Cope (1959).

Oncorhynchus nerka (continued)

CALIGIDAE

Lepeophtheirus pacificus Gissler, 1883. Pacific coast. Body surfaces. Wilson (1908a). Puget Sound, Washington. Wilson (1905b)
Lepeophtheirus salmonis (Krøyer, 1838); British Columbia. Margolis (1952).

DIGENEA

HEMIURIDAE

Genolinea latacauda Manter, 1925. British Columbia. Stomachs. Arai (1969b).

Parahemiuris merus (Linton, 1910) Woolcock, 1935. British Columbia. Intestines. Arai (1969b).

Sterrhurus sp. Kamchatka, USSR. Akhmerov (1954b).

Hemiurus levinseni Odhner, 1905. Kamchatka, USSR. Intestines. Strelkov (1960); Alaska, British Columbia. Margolis (1963).

Derogenes varicus (Müller, 1784) Looss, 1901. Kamchatka, USSR. Mamaev, Parukhin, Baeva and Oschmarin (1959); British Columbia, Alaska. Margolis (1963)

Brachyphallus crenatus (Rudolphi, 1802) Odhner, 1905. Kamchatka, USSR. Digestive tracts. Trofimenko (1962); Washington to Alaska. Margolis (1963).

Genarchopsis muelleri (Levinsen, 1881) Yamaguti, 1954. Kamchatka, USSR. Digestive tracts. Trofimenko (1962) as Genarches m.

Lecithophyllum anteroporum Margolis, 1958. British Columbia, Alaska. Stomachs. Margolis (1963). [= L. botryophorum - Sekerak and Arai (1973)].

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Washington. Margolis (1965).

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia. Intestines. Arai (1969b); Kamchatka, USSR. Trofimenko (1962).

ALLOCREADIIDAE

Crepidostomum farionis (Müller, 1780) Braun, 1900. British Columbia. Bangham and Adams (1954); Washington. Intestines. Margolis (1965); Kamchatka, USSR. Trofimenko (1962); California. Intestines, pyloric caeca. Haderlie (1953); Lake Huron. Collins and Dechtiar (1974).

SYNCOELIIDAE

Syncoelium filiferum (Leuckart in Sars, 1885). Washington. Branchial Cavities. Lloyd and Guberlet (1936); British Columbia. Margolis (1963) as S. katuwo.

FELLODISTOMIDAE

Pentagramma petrowi (Layman, 1930) Margolis and Ching, 1965. Alaska. Pyloric caeca, intestines. Margolis and Ching (1965).

Oncorhynchus nerka (continued)

OPECOELIDAE

Plagioporus shawi (McIntosh, 1939) Margolis, 1970. Washington.
Intestines. Margolis (1970b).

LAMPRITREMATIDAE

Lampritrema nipponicum Yamaguti, 1940. Immature adult. Hoffman (1967).

BUCEPHALIDAE

Bucephalopsis gracilescens (Rudolphi, 1819). Kamchatka, USSR.
Mamaev, Parukhin, Baeva and Oschmarin (1959); Alaska. Margolis
(1963).

DIPLOSTOMIDAE

Diplostomum sp. Larva. Kamchatka, USSR. Mamaev, Parukhin,
Baeva and Oschmarin (1959).

Diplostomum spathaceum. Metacercaria. Lake Huron. Eyes.
Collins and Dechtiar (1974).

GORGODERIDAE

Phyllodistomum conostomum (Olsson, 1876) Looss, 1902. Kamchatka,
USSR. Konovalov, Shevliakov and Krasin (1970).

FUNGI

Saprolegnia sp. Lake Huron, USA. Skin. Collins and Dechtiar (1974).

HIRUDINEA

PISCICOLIDAE

Piscicola salmositica Meyer, 1946. British Columbia, Washington.
Pectoral, pelvic fins, gills. Becker and Katz (1965a).

MOLLUSCA

UNIONIDAE

Anodonta beringiana Middendorf. Glochidium. Alaska. Gills, body
surfaces. Cope (1959).

MONOGENEA

GYRODACTYLIDAE

Gyrodactyloides strelkowi Bykhovsky and Poljansky, 1953. Kamchatka,
USSR. Mamaev, Parukhin, Baeva and Oschmarin (1959).

TETRAONCIDAE

Tetraonchus alaskensis Price, 1937. Alaska. Margolis (1963).

NEMATODA

ANISAKIDAE

Contraecum hypomesi Fujita, 1932. Larva. Japan. Body cavities.
Fujita (1939).

Contraecum benimasu Fujita, 1932. Larva. Sea of Okhotsk, Japan.
Yamaguti (1961).

Contraecum elongatum Fujita, 1939. Larva. Japan. Body cavities.
Fujita (1939).

Oncorhynchus nerka (continued)

Contraecaecum hippoglossi Fujita, 1932. Larva. Japan. Fujita (1932).

Contraecaecum ochotense Fujita, 1932. Larva. Japan. Fujita (1932).

Contraecaecum sp. Larva. British Columbia. Body cavities. Arai (1969b).

Contraecaecum spiculigerum (Rudolphi, 1809). Larva. British Columbia. Bangham and Adams (1954).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. British Columbia. Stomachs, intestines. Margolis (1952); Kamchatka, USSR. Trofimenko (1967) both as Contraecaecum a.

Anisakis sp. Larva. British Columbia. Body cavities. Arai (1969b); Washington. Margolis (1965); Kamchatka, USSR. Trofimenko (1962).

Raphidascaris sp. Japan. Fukui (1958).

SPIRURIDAE

Ascarophis sebastodis Olsen, 1952. British Columbia. Intestines. Arai (1969b).

SPIRUROIDEA

Metabronema laticauda Fujita, 1939. Kamchatka, USSR. Intestines. Fujita (1939). ["Generic position unclear" Margolis (1968).]

Rhabdochona fujii (Fujita, 1921) Fujita, 1927. Japan. Intestines. Fujita (1921a) as Cystidicola f.

Rhabdochona cascadii Wigdor, 1918. British Columbia. Bangham and Adams (1954); Lake Huron. Intestines. Collins and Dechtiar (1974).

Cystidicola farionis Fisher, 1798. Japan Sea, USSR to Bering Sea, Alaska. Swimbladders. Margolis (1967b).

Cystidicola stigmatura (Leidy, 1886) Ward and Magath, 1916. Lake Huron. Swimbladders. Collins and Dechtiar (1974).

Salvelinema salmonicola (Ishii, 1916) Margolis, 1966. Japan, USSR, Alaska. Swimbladders. Margolis (1976b); Kamchatka, USSR. Trofimenko (1962) as S. cristata.

Cystidicoloides tenuissima (Zeder, 1800) Rasheed, 1969. Probably Russian waters. Intestines. Ko and Anderson (1969); British Columbia. Bangham and Adams (1954); USSR. Stomachs, intestines. Byhovskaya-Pavlovskaya et al (1962) latter two as Metabronema salvelini.

Spinitectis gracilis Ward and Magath, 1917. Lake Huron. Intestines. Collins and Dechtiar (1974).

PHILOMETRIDAE

Philonema oncorhynchi Kuitunen-Ekbaum, 1933. Babine Lake, British Columbia. Peritoneums, pyloric caeca, gonads, mesenteries. Dombroski (1955); Kamchatka, USSR. Trofimenko (1962).

LAMPRITREMATIDAE

Lampritrema nipponicum Yamaguti, 1940. Okhotsk Sea, USSR. Stomachs, gills. Margolis (1962).

CUCULLANIDAE

Truttaedacnitis trutta (Fabricius, 1794) Petter, 1974. Kamchatka, USSR. Akhmerov (1954b) as Dacnitis truttae.

Oncorhynchus nerka (continued)

TRICHURIDAE

Capillaria sp. Alaska. Margolis (1963).Capillaria catenata. Lake Huron. Intestines. Collins and Dechtiar (1974).

PROTOZOA (CILIOPHORA)

URCEOLARIIDAE

Trichodina nigra kamchatka. Kamchatka, USSR. Konovalov, Shevliakov and Krasin (1970).

DENDROSOMIDAE

Trichophrya piscium. Kamchatka, USSR. Konovalov, Shevliakov and Krasin (1970).

PROTOZOA (MICROSPORIDA)

NOSEMATIDAE

Plistophora sp. Northern California. Gills. Wales and Wolf (1955).

PROTOZOA (MYXOSPORIDA)

MYXOBOLIDAE

Henneguya salminicola Ward, 1919. Kamchatka, USSR. Muscles. Akhmerov (1954a).Myxobolus nerobius Schuberg and Schröder, 1905. Kamchatka, USSR. Cysts in nervous tissues. Bykhovskaya-Pavlovskaya et al (1962).Myxobolus krokhini Konovalov and Shulman, 1966. Kamchatka, USSR. Konovalov, Shevliakov and Krasin (1970).

CERATOMYXIDAE

Leptotheca krogiusi Konovalov and Shulman, 1965. Kamchatka, USSR. Urinary bladders. Shulman (1966).

CHLOROMYXIDAE

Chloromyxum wardi Kudo, 1920. Alaska, Kamchatka, USSR. Gallbladders. Kudo (1920).Chloromyxum corregoni Bauer, 1948. USSR. Gallbladders. Kudo and Meglitsch (in preparation).

MYXIDIIDAE

Myxidium oviforme Parisi, 1912. USSR. Gallbladders. Bykhovskaya-Pavlovskaya et al (1962).Myxidium obscurum Konovalov, 1966. Kamchatka, USSR. Anterior intestines, urinary bladders. Shulman (1966).

PROTOZOA (SARCOMASTIGOPHORA)

CRYPTOBIIDAE

Cryptobia salmositica Katz, 1951. Becker (1970a).Cryptobia branchialis Japan. Gills. Sand (1970).

SALMONIDAE - Oncorhynchus tshawytscha King Salmon

ANCANTHOCEPHALA

POLYMORPHIDAE

Corynosoma strumosum (Rudolphi, 1802) Luhe, 1904. Larva. Kamchatka, USSR. Trofimenko (1962).

Bolbosoma caeniforme (Heitz, 1920) Meyer, 1933. Kamchatka, USSR. Trofimenko (1962).

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Muller, 1776. British Columbia. Intestines. Arai (1969b); Kamchatka, USSR. Trofimenko (1962).

NEOECHINORHYNCHIDAE

Neoechinorhynchus cristatus Lynch, 1936. Kamchatka, USSR. Akhmerov (1954b).

CESTODA

PHYLLOBOTHRIIDAE

Phyllobothrium caudatum (Zschokke and Heitz, 1914). Larva. Kamchatka, USSR. Mamaev, Parukhin, Baeva and Oschmarin (1959).

Phyllobothrium sp. Larva. British Columbia. Intestines. Arai (1969b).

DIPHYLLOBOTHRIIDAE

Diphyllobothrium sp. Larva. Kamchatka, USSR. Mamaev, Parukhin, Baeva and Oschmarin (1959).

TENTACULARIIDAE

Nybelinia sp. Larva. British Columbia. Stomachs. Wardle (1932).

Nybelinia surmenicola Okada, 1929. Larva. Kamchatka, USSR. Strelkov (1960).

Tentacularia coryphaenae Bosc, 1802. Larva. Kamchatka, USSR. Zschokke and Heitz (1914) as Tetrarhynchus quadrirostris.

AMPHICOTYLIDAE

Eubothrium crassum (Bloch, 1779). Kamchatka, USSR. Trofimenko (1962).

Eubothrium oncorhynchi Wardle, 1932. British Columbia. Pyloric caeca. Wardle (1932).

Eubothrium sp. Oregon. Shaw (1947).

PROTEOCEPHALIDAE

Proteocephalus exiguus La Rue, 1911. Kamchatka, USSR. Intestines. Akhmerov (1955).

TETRAPHYLLIDEA

Scolex pleuronectis Muller, 1788. Kamchatka, USSR. Intestines. Strelkov (1960).

Scolex polymorphus Rudolphi, 1819. Kamchatka, USSR. Akhmerov (1954a). [= S. pleuronectis - Wardle and McLeod (1952)]

Oncorhynchus tschawytscha (continued)

HEPATOXYLIDAE

Hepatoxylon trichuri (Holten, 1802) Dollfus, 1942. Post larva.
Kamchatka, USSR. Zschokke and Heitz (1914) as Coenomorphus grossus.

COPEPODA

SPHYRIIDAE

Paeonodes nemaformis Hewitt, 1969. New Zealand. Hewitt (1969a).

ARGULIDAE

Argulus sp. Oregon. Shaw (1947).

CALIGIDAE

Lepeophtheirus salmonis (Krøyer, 1838). British Columbia. Margolis (1952); Monterey Bay, California. Gills. Wilson (1908a).

LERNAEOPODIDAE

Salmincola californiensis (Dana, 1853) Kabata, 1969. California, Oregon. Gills. Kabata (1969c); Bykhovskaya-Pavlovskaya et al (1962) as Salminicola falculata.

LERNEIDAE

Lernaea cyprinacea Linnaeus, 1758. Oregon. Eyes. Uzman and Rayner (1958).

CALIGIDAE

Caligus sp. Monterey, California. Body surfaces. Wilson (1908a) as C. gurnardi.

DIGENEA

HEMIURIDAE

Deropegus aspina (Ingles, 1936) McCauley and Pratt, 1961. Oregon. Stomachs. McCauley and Pratt (1961).

Genolinea lintoni Skrjabin and Guschanskaja, 1955. California. Stomachs. Linton (1940) as Genarches sp.

Brachyphallus crenatus (Rudolphi, 1802) Odhner, 1905. Washington. Stomachs. Lloyd (1938); Oregon. Shaw (1947); Kamchatka, USSR. Trofimenko (1962).

Derogenes sp. Pratt and McCauley (1961).

Derogenes infirmus (Linton, 1940) Yamaguti, 1971. San Pablo Bay, California. Stomachs, esophagus. Linton (1940) as Genarches i.

Leicithaster gibbosus (Rudolphi, 1802) Lühe, 1901. Washington. Intestines. Lloyd (1938), British Columbia. Intestines. Arai.

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Oregon. Stomachs. McCauley (1960); British Columbia. Stomachs. Margolis (1952) as T. nanaimoensis.

Parahemiurus merus (Linton, 1910) Woolcock, 1935. British Columbia. Stomachs. Margolis (1952) as P. oncorhynchi.

Oncorhynchus tshawytscha (continued)

AZYGIIDAE

Azygia robusta Odhner, 1911. Kamchatka, USSR. Trofimenko (1962).

BUCEPHALIDAE

Bucephalopsis gracilescens (Rudolphi, 1819). Kamchatka, USSR. Trofimenko (1962).

NANOPHYETIDAE

Nanophyetus salmincola (Chapin, 1926) Chapin, 1927. Metacercaria. Oregon. Simms, Donham, Shaw, McCapes (1931); Oregon. Kidney. Millemann, Beghardt, Knapp (1964).

FUNGI

HAPLOSPORIDIA

Dermocystidium salmonis Davis, 1947. Sacramento River, California. Gills. Davis (1947).

HIRUDINEA

PISCICOLIDAE

Piscicola salmositica Meyer, 1946. Washington, Oregon. Pectoral, pelvic fins, gills. Becker and Katz (1965a); California. Haderlie (1953).

MOLLUSCA

UNIONIDAE

Anodonta beringiana Middendorf. Glochidium. Alaska. Skins, fins, mouths. Cope (1959).

Margaratifera margaratifera (Gould). Glochidium. Washington. Gills. Davis (1953).

NEMATODA

ANISAKIDAE

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Kamchatka, USSR. Intestines. Strelkov (1960) as Contracaecum a.

Contracaecum sp. Larva. British Columbia. Body cavities. Arai (1969b); Kamchatka, USSR. Strelkov (1960).

Contracaecum spiculigerum (Rudolphi, 1809). Larva. Oregon. Intestines. Shaw, Simms, Muth (1934).

Rhaphidascaris sp. Oregon. Shaw (1947).

Anisakis sp. Larva. British Columbia. Many places in bodies. Margolis (1952); Kamchatka, USSR. Trofimenko (1962).

CUCULLANIDAE

Truttaedacnitis trutta (Fabricius, 1794) Petter, 1974. Kamchatka, USSR. Mamaev, Parukhin, Baeva and Oschmarin (1959) as Dacnitis t.

TRICHURIDAE

Capillaria sp. British Columbia. Stomachs. Arai (1969b).

PHILOMETRIDAE

Philonema oncorhynchi Kuitunen-Ekbaum, 1933. British Columbia. Body cavities. Margolis (1952).

Oncorhynchus tschawytscha (continued)

Philonema sp. Larva. British Columbia. Swim bladder walls. Arai (1969b).

PROTOZOA (CILIOPHORA)

URCEOLARIIDAE

Tripartiella californica (Davis, 1947). USSR. Body surfaces, fins, Gills. Bykhovskaya-Pavlovskaya et al (1962); Sacramento River, California. Davis (1947) as Trichodina c.

PROTOZOA (MYXOSPORIDA)

MYXOBOLIDAE

Heneguya salminicola Ward, 1919. Alaska. Muscles (cysts). Fish (1939).

Myxobolus insidiosus Wyatt and Pratt, 1963. Oregon. Muscles. Wyatt and Pratt (1963).

MYXIDIIDAE

Myxidium minteri Yasutake and Wood, 1957. Washington. Renal tubules. Yasutake and Wood (1957); Oregon. Gallbladders. Sanders and Fryer (1970).

Myxidium oviforme Parisi, 1912. USSR. Gallbladders. Bykhovskaya-Pavlovskaya et al (1962).

Zschokkella orientalis Konovalov and Shulman, 1966. USSR. Gallbladders. Shulman (1966).

CHLOROMYXIDAE

Chloromyxum majori Yasutake and Wood, 1957. Washington. Glomeruli. Yasutake and Wood (1957).

CERATOMYXIDAE

Ceratomyxa shasta Noble, 1950. Willamette River, Oregon. Sanders, Fryer, Gould (1970).

Leptotheca krogiusi Konovalov and Shulman, 1965. Kamchatka, USSR. Urinary bladders. Shulman (1966).

PROTOZOA (SARCOMASTIGOPHORA)

THECAMOEBIDAE

Thecamoeba hoffmani Sawyer, Hnath and Conrad, 1974. Washington, Oregon. Gills. Sawyer, Hnath and Conrad (1974)

CRYPTOBIIDAE

Cryptobia salmositica Katz, 1951. Klamath River, California. Blood. Davison and Breese (1954); Washington. Becker and Katz (1965b).

Cryptobia borreli (Laveran and Mesnil, 1901). Northern California. Blood. Wales and Wolf (1955).

HEXAMITIDAE

Hexamita salmonis (Moore, 1922). Washington. Intestines. Uzmann, Paulik and Hayduk (1965).

HEXAGRAMMIDAE - Ophiodon elongatus Ling Cdd

CESTODA

TENTACULARIDAE

Nybelinia surmenicola Okada, 1929. British Columbia. Intestines, stomachs. Arai (1969b).

Tentacularia sp. Larva. Puget Sound, Washington. Region of vertebra. Hart (1936a).

PHYLLOBOTHRIDAE

Phyllobothrium sp. Larva. British Columbia. Intestines. Arai (1969b).

COPEPODA

CALIGIDAE

Lepeophtheirus breviventris Fraser, 1920. British Columbia. Buccal cavities. Fraser (1920).

Lepeophtheirus pravipes Wilson, 1912. British Columbia. Wilson (1912b); California. Shiino (1965d) as L. trifidus; Kabata (1973).

Lepeophtheirus salmonis (Krøyer, 1838). British Columbia. Bere (1930a)

CHONDRACANTHIDAE

Chondracanthus narium Kabata, 1969. British Columbia. Nasal cavities. Kabata (1969a).

DIGenea

ACANTHOCOLPIDAE

Stephanostomum casum (Linton, 1910) McFarlane, 1936. British Columbia. McFarlane (1936).

Stephanostomum tristephanum McFarlane, 1936. McFarlane (1936); Tomales and Monterey Bay, California. Chapa (1969).

BUCEPHALIDAE

Rhipidocotyle elongata McFarlane, 1936. British Columbia. McFarlane (1936); Washington. Ching (1960a).

Prosorhynchus facilis (Ozaki, 1924) Ekmann, 1933. British Columbia. McFarlane (1936); Washington. Ching (1960a).

Prosorhynchus apertus McFarlane, 1936. Washington. Ching (1960a); British Columbia. McFarlane (1936).

Bucephalus sp. Giles (1962).

HEMIURIDAE

Derogenes crassus Manter, 1934. Oregon. McCauley (1960).

Derogenes varicus (Müller, 1784) Looss, 1901. Washington. Lloyd (1938).

Genolinea laticauda Manter, 1925. Washington. Lloyd (1938).

Hemiurus levinseni Odhner, 1905. Washington. Lloyd (1938).

Sterrhurus exodicus (McFarlane, 1936) Yamaguti, 1958. Monterey Bay, California. Stomachs. Nahhas (1960); British Columbia. McFarlane (1936); Washington. Lloyd (1938); Oregon. McCauley (1960) all as Lecithochirium e.

Ophiodon elongatus (continued)

- Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Oregon. Stomachs. McCauley (1960); Monterey Bay, California. Nahhas (1960); Washington. Ching (1960a); British Columbia. Arai (1969b).
Parahemiuris merus (Linton, 1910) Woolcock, 1935. British Columbia. Intestines. Arai (1969b).
Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia. Intestines. Arai (1969b).

ISOPODA

CYMOTHOIDAE

- Livoneca vulgaris Stimpson, 1857. California. Gills. Richardson (1905).

MONOGENEA

UDONELLIDAE

- Udonella ophiodontis (Kay, 1945) Winter, 1955. Washington on Lepeophtheirus sp. Attached to oral cavities. Kay (1945).

GYRODACTYLIDAE

- Gyrodactylus elegans Nordmann, 1832. Washington. Guberlet (1936a).

MICROCOTYLIDAE

- Microcotyle sebastis Goto, 1894. Washington. Guberlet (1936a).
Microcotyle sp. California. Gills. Johnson (1949b).

NEMATODA

ANISAKIDAE

- Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. British Columbia. Stomachs, intestines. Margolis (1952) as Contracaecum a.
Thynnascaris magnum Smedley, 1934. British Columbia. Smedley (1934) as Contracaecum m.
Anisakis sp. Larva. British Columbia. Stomach walls. Margolis (1970a); stomachs. Arai (1969b).
Terranova sp. Larva. British Columbia. Body cavities, stomachs. Arai (1969b); cysts in muscles. Margolis (1952) both as Porrocaecum.
Terranova decipiens (Krabbe, 1878) Johnston and Mawson, 1945. Larva. British Columbia. Margolis (1956b).

CUCULLANIDAE

- Cucullanus smedleyi Campana-Rouget, 1957. British Columbia. Intestines. Margolis (1952) as C. elongatus.

PROTOZOA (CILIOPHORA)

URCEOLARIIDAE

- Gen. and sp. Vancouver Island. Gills. Bell (1962).

OSTRACIIDAE - Ostracion diaphanum Spiny Boxfish

DIGenea

FELLODISTOMIDAE

Discogasteroides ostracii Yamaguti, 1934. Japan. Intestines.

Yamaguti (1934a).

Discogasteroides minor (Yamaguti, 1934) Skrjabin and Koval, 1957.

Japan. Yamaguti (1971).

LABRIDAE - Oxyjulis californica Senorita

COPEPODA

CHONDRACANTHIDAE

Heterochondria atypica Ho, 1972. La Jolla, California. Gill filaments. Ho (1972b).

CALIGIDAE

Caligus hobsoni Cressey, 1969. La Jolla, California. Body surfaces. Hobson (1971).

Caligus serratus Shiino, 1965. La Jolla, California. Body surfaces. Hobson (1971).

Lepeophtheirus sp. La Jolla, California. Body surfaces. Hobson (1971).

HEXAGRAMMIDAE - Oxylebius pictus Painted Greenling

COPEPODA

BOMOLOCHIDAE

Holobomolochus spinulus (Cressey, 1969) Kabata, 1971. La Jolla, California. Gill cavities. Cressey (1969b).

CHONDRACANTHIDAE

Heterochondria atypica Ho, 1972. La Jolla, California. Gills. Ho (1972b).

ISOPODA

Gnathiid Larva. La Jolla, California. Body surfaces. Hobson (1971).

AGONIDAE - Pallasina barbata Tubenose Poacher

MONOGENEA

GYRODACTYLIDAE

- Gyrodactylus grøbelandicus Levinsen, 1881. Okhotsk Sea, USSR.
Anal, pectoral fins. Bykhovsky and Poljansky (1953).
Gyrodactylus proximus Bykhovsky and Poljansky, 1953. USSR.
Bykhovsky (1957).

CLINIDAE - Paraclinus integripinnis Reef FinspotSYNONYM - Auchenopterus integripinnis

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

- Leptotheca elegans Noble, 1938. Santa Barbara, California. Gall-
bladders. Noble (1939).

SERRANIDAE - Paralabrax clathratus Kelp Bass

COPEPODA

BOMOLOCHIDAE

- Bomolochus solae Claus, 1864. Ensenada, Baja California, Mexico.
Causey (1960).
Holobomolochus longicaudus (Cressey, 1969) Kabata, 1971. La Jolla,
California. Gill cavities. Cressey (1969b).

CALIGIDAE

- Lepeophtheirus longipes Wilson, 1905. Catalina Island, California.
Body surfaces. Wilson (1921).
Caligus productus Dana, 1853. Ensenada, Baja California, Mexico.
Causey (1960).
Caligus mutabilis Wilson, 1905. Puerto Penasco, Mexico. Causey
(1960).

DICHELESTHIIDAE

- Hatschekia albirubra Wilson, 1913. Ensenada, Baja California, Mexico.
Causey (1960).

DIGENEA

MONORCHIIDAE

- Monorcheides alexanderi Arai, 1962. Guadalupe Island, Mexico.
Pyloric caeca. Arai (1962).

OPECOELIDAE

- Helicometrina nimia Linton, 1910. Intestines. Arai (1962).

Paralabrax clathratus (continued)

Plagioporus isaitschikowi (Layman, 1930) Yamaguti, 1938. La Jolla, California. Intestines. Manter and Van Cleave (1951).

HEMIURIDAE

Elytrophallus mexicanus Manter, 1940. La Jolla, California. Intestines. Manter and Van Cleave (1951).

ISOPODA

CYMOTHOIDAE

Nerocila californica Schioedte and Meinert, 1881. California. Fins. Richardson (1905).

MONOGENEA

MACROVALVITREMATIDAE

Pseudotagia clathratus Crane, 1972. San Diego, La Jolla, California. Gills. Crane (1972).

SERRANIDAE - Paralabrax maculofasciatus Spotted Sand Bass

COPEPODA

CALIGIDAE

Sciaenophilus bennetti (Causey, 1953) Yamaguti, 1963. Mazatlan, Baja California, Mexico. Mouths. Causey (1960) as Caligus b.

Lepeophtheirus constrictus Wilson, 1908. La Jolla, California. Body surfaces. Wilson (1908a).

Caligus productus Dana, 1853. Puerto Penasco, Mexico. Causey (1960).

Caligus mutabilis Wilson, 1905. Puerto Penasco, Mexico. Causey (1960).

PSEUDOCYCNIDAE

Pseudocycnus appendiculatus Heller, 1865. Puerto Penasco, Mexico. Causey (1960).

DIGENEA

HEMIURIDAE

Dinurus barbatus (Cohn, 1903) Looss, 1907. Bahia Magdalena, Baja California, Mexico. Intestines. Arai (1962).

Magniscyphus taboganus (Sogandares-Bernal, 1959) Reid, Coil and Kuntz, 1965. Baja California, Mexico. Intestines. Arai (1962) as Sterrhus taboganus.

OPECOELIDAE

Opecoelus mexicanus Manter, 1940. Isla Angel de la Guarda, Baja California, Mexico. Intestines. Arai (1962).

Helicometrina nimia Linton, 1910. Intestines. Arai (1962).

Paralabrax maculofasciatus (continued)

Helicometrina fasciata (Rudolphi, 1819) Odhner, 1902. Isla Angel de la Guarda, Baja California, Mexico. Intestines. Arai (1962).
Helicometra pretiosa Bravo-Hollis and Manter, 1957. Puerto Vallarta, Mexico. Intestines. Bravo-Hollis and Manter (1957).

Dactylostomum winteri Caballero and Caballero, 1971. Isla de Cerralvo, Baja California, Mexico. Intestines. Caballero and Caballero (1971).

Hamacreadium bolivari Caballero and Caballero, 1970. Cerralvo Island, Gulf of California, Mexico. Intestines. Caballero and Caballero (1970).

MONOGENEA

DIPLECTANIDAE

Diplectanum amplidiscatum Bravo-Hollis, 1954. Jalisco, Mexico. Gills. Bravo-Hollis (1954a).

CAPSALIDAE

Benedenia melleni (MacCallum, 1927) Johnston, 1929. New York Aquarium. Eyes, skins. Sproston (1946).

SERRANIDAE - Paralabrax nebulifer Barred Sand Bass

COPEPODA

BOMOLOCHIDAE

Taeniastroto californiensis Cressey, 1969. La Jolla, California. Body surfaces. Cressey (1969b).

Holobomolochus longicaudus (Cressey, 1969) Kabata, 1971. La Jolla, California. Gill cavities. Cressey (1969b).

Bomolochus solae Claus, 1864. Ensenada, Baja California. Causey (1960).

CALIGIDAE

Lepeophtheirus dissimulatus Wilson, 1905. Ensenada, Baja California. Causey (1960).

Caligus mutabilis Wilson, 1905. Puerto Penasco, Mexico. Causey (1960).

LERNAEIDAE

Peniculus fissipes Wilson, 1917. Pacific coast of Baja California. Fins. Schultze (1976).

DIGENEA

OPECOELIDAE

Opecoelus inimici Yamaguti, 1934. Cerros Island, Mexico. Intestines. Manter (1940a).

Helicometrina nimia Linton, 1910. Cerros Island, Mexico. Intestines. Manter (1940a).

-SEE ADDENDUM

BOTHIDAE - Paralichthys californicus California Halibut

CESTODA

TRYPANORNYNCHA.

Gen. and sp. Larva. Southern California. Jensen (1975).

COPEPODA

BOMOLOCHIDAE

Holobomolochus prolixus (Cressey, 1969) Kabata, 1971. Anaheim Bay, California. Inner surfaces of operculums. Ho (1972a).

Taeniacanthodes haakeri Ho, 1972. Anaheim Bay, California. Between rays of dorsal and anal fins. Ho (1972a).

Bomolochus solae Claus, 1864. Ensenada, Baja California, Mexico. Causey (1960).

CALIGIDAE

Lepeophtheirus bifidus Fraser, 1920. Anaheim Bay, California. Ho (1972a).

Lepeophtheirus dissimulatus Wilson, 1905. Ensenada, Baja California, Mexico. Causey (1960).

TREBIIDAE

Trebius latifurcatus Wilson, 1921. Venice, California. Exteriors. Wilson (1921).

CHONDRACANTHIDAE

Acanthochondria sp. California. Ho (1972a).

DIGENEA

BUCEPHALIDAE

Bucephalus heterotentaculatus Bravo-Hollis and Sogandares-Bernal, 1956. Bahia Magdalena, Bahia Santa Maria, Baja California, Mexico. Intestines. Arai (1962).

Bucephalopsis labiatus Manter and Van Cleave. 1951. La Jolla, California. Intestines. Manter and Van Cleave (1951).

CRYPTOGONIMIDAE

Metadena magdalanae Arai, 1962. Bahia Magdalena, Baja California, Mexico. Intestines. Arai (1962).

DIGENEA

ACANTHOCOLIDAE

Stephanostomum dentatum (Linton, 1900) Linton, 1940. California. Intestines. Manter and Van Cleave (1951); Monterey, California. Chapa (1969).

HEMIURIDAE

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. San Quintin, Baja California, Mexico. Stomachs. King (1962).

MONOGENEA

CAPSALIDAE

Entobdella squamula (Heath, 1902) Johnston, 1929. Monterey, California. Body surfaces, gill chambers. Price (1939).

PLEURONECTIDAE - Parophrys vetulus English Sole

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Metechinorhynchus lageniformis (Ekbaum, 1938) Golvan, 1969. Oregon. Intestines. Olson and Pratt (1973) as Echinorhynchus 1.

CESTODA

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Postlarva. British Columbia. Stomach walls. Margolis (1952).

COPEPODA

CALIGIDAE

Lepeophtheirus bifidus Fraser, 1920. Vancouver Island, British Columbia. Kabata (1973); British Columbia. Bere (1930a).

Lepeophtheirus hospitalis Fraser, 1920. British Columbia. Kabata (1973); British Columbia. Bere (1930a).

NAOBRANCHIIDAE

Naobranchia occidentalis Wilson, 1915. British Columbia. Bere (1930a).

CHONDRACANTHIDAE

Acanthochondria rectangularis (Fraser, 1920) Markevich, 1957. British Columbia. Bere (1930a).

DIGenea

HEMIURIDAE

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. British Columbia. McFarlane (1936) as Dinurus nanaimoensis; Washington. Ching (1960a).

LEPOCREADIIDAE

Lepidapedon calli Acena, 1947. Washington. Stomachs, intestines. Acena (1947).

ZOOGONIDAE

Steganoderma formosum Stafford, 1904. Washington. Ching (1960a).
Zoogonus dextrocirrus Aldrich, 1961. Washington. Intestines. Aldrich (1961).

AZYGIIDAE

Otodistomum veliporum (Creplin, 1837) Stafford, 1904. Metacercaria. Oregon. Olson and Pratt (1973; metacercaria. British Columbia. Stomach walls. Margolis (1952).

Parophrys vetulus (continued)

FELLODISTOMIDAE

Fellodistomum phrissovum Aldrich, 1961. Washington. Intestines.
Aldrich (1961).

OPECOELIDAE

Neopodocotyloides sinusaccus (Ching, 1960) Pritchard, 1966. British
Columbia. Intestines. Arai (1969b).

Genitocotyle acirra Park, 1937. Oregon. Pratt (1970).

NEMATODA

PHILOMETRIDAE

Philometra americana Kuitunen-Ekbaum, 1933. Oregon. Between fin
rays, in muscles. Olson and Pratt (1973); San Francisco Bay,
California. Olson (1972); British Columbia. Margolis (1952).

CUCULLANIDAE

Cucullanus annulatus Margolis, 1960. British Columbia. Margolis
(1960).

ANISAKIDAE

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. British
Columbia. Stomachs, intestines. Margolis (1952) as Contraecaecum a.
Contraecaecum sp. Larva. British Columbia. Stomachs, mesenteries,
livers. Margolis (1952).

Anisakis sp. Larva. British Columbia. Many places in body. Mar-
golis (1952).

TRICHURIDAE

Capillaria sp. British Columbia. Intestines. Margolis (1952) as
C. parophrysi.

PROTOZOA (MICROSPORIDA)

NOSEMATIIDAE

Glugea sp. Olson and Pratt (1973).

Glugea hertwigi Wissenberg, 1911. Yaquina Bay, Oregon. Stomachs,
intestines. Wellings., Ashley and McArn (1969).

PROTOZOA (MYXOSPORIDA)

CHLOROMYXIDAE

Kudoa sp. British Columbia. Muscles. Margolis (1952).

Parophrys vetulus (continued)

CERATOMYXIDAE

Ceratomyxa hopkinsi Jameson, 1929. Monterey, California. Gall-bladders. Jameson (1929).

PROTOZOA (SARCOMASTIGOPHORA)

TRYPANOSOMA

TRYPANOSOMATIIDAE

Trypanosoma pacifica Burreson and Pratt, 1972. Newport, Oregon. Blood. Burreson and Pratt (1972).

MYCTOPHIDAE - Parvilux ingens

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. Southern California. Coeloms. Collard (1968).

EMBIOTOCIDAE - Phanerodon atripes Sharpnose Surf Perch

COPEPODA

CALIGIDAE

Caligus hobsoni Cressey, 1969. La Jolla, California. Hobson (1971).

EMBIOTOCIDAE - Phanerodon furcatus White Surf Perch

COPEPODA

ARGULIDAE

Argulus pugettensis Dana 1852. La Jolla, California. Montgomery (1957); British Columbia. Fraser (1920).

LERNAEIDAE

Peniculus fissipes Wilson, 1917. La Jolla, California. Embedded in fins. Hobson (1971).

LERNAEOPODIDAE

Clavella parva Wilson, 1912. British Columbia. Bere (1930a).

Phanerodon furcatus (continued)

DIGenea

ZOOGONIDAE

Neozoogonus californicus Arai, 1954. California. Intestines.
Arai (1962).

OPECOELIDAE

Genitocotyle acirra Park, 1937. California. Arai (1967); Tomales
and Bodega Bays, California. Rodella and Nahhas (1969) as G. acirrata.

DIPLANGIDAE

Diplangus paxillus Linton, 1910. California. Arai (1967).
Diplangus macrovitellas (Winter, 1954) Winter, 1960. Arai (1967)
as Proctoeces macrovitellosus.

MONORCHIIDAE

Telolecithus pugetensis Lloyd and Guberlet, 1932. California.
Arai (1967).

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Myxidium oviforme Parisi, 1912. Monterey, California. Gallbladders.
Jameson (1929).

PHOLIDAE - Pholis laeta Crescent Gunnel

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus sp. Larva. British Columbia. Intestines. Arai
(1969b).

DIGenea

OPECOELIDAE

Podocotyle sp. Immature. British Columbia. Intestines. Arai (1969b).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Body cavities. Arai (1969b).
Contracaecum sp. Larva. British Columbia. Body cavities. Arai
(1969b).

PHILOMETRIDAE

Philometra americana Kuitunen-Ekbaum, 1933. British Columbia. In-
testines. Arai (1969b).

PHOLIDAE - Pholis ornata Saddleback Gunnel

DIGenea

HEMIURIDAE

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia. Intestines. Arai (1969b).

OPECOELIDAE

Neopodocotyloides pedunculata (Park, 1937) Pritchard, 1966. British Columbia. Intestines. Arai (1969b).

MONOGENEA

GYRODACTYLOIDEA

Gen. and sp. British Columbia. Gills. Arai (1969b).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Body cavities. Arai (1969b).

PHILOMETRIDAE

Philometra americana Kuitunen-Ekbaum, 1933. British Columbia. Subcutaneous. Kuitunen-Ekbaum (1933a).

LABRIDAE - Pimelometopon pulchrum California Sheephead

SYNONYM - Pimelometopon pulcher

COPEPODA

CALIGIDAE

Caligus hobsoni Cressey, 1969. La Jolla, California. Hobson (1971).
Lepeophtheirus parvus Wilson, 1908. San Diego, California. External on skin. Shiino (1963a); San Benito Island, Mexico. Shiino (1959c); San Diego. Wilson (1908a).

DIGenea

LEPOCREADIIDAE

Lepocreadium bimarinum Manter, 1940. California, Pacific Mexico. Intestines. Manter (1940a); La Jolla, California. Montgomery (1957).

Labriifer secundus Manter, 1940. Cerros Island, Mexico; California. Intestines. Manter (1940a); La Jolla, California. Montgomery (1957).
Neolabriifer bravoae Pritchard, 1972. La Jolla, Pt. Loma, California; Isla Guadalupe, Mexico. Intestines. Pritchard (1972).

GORGODERIDAE

Phyllodistomum scrippsi Brooks and Mayes, 1975. La Jolla, California. Urinary bladders. Brooks and Mayes (1975).

Pimelometopon pulchrum (continued)

ISOPODA

Gnathiid Larva. La Jolla, California. Body surfaces. Hobson (1971).

MONOGENEA

CAPSALIDAE

Neobenedenia girellae (Hargis, 1955) Yamaguti, 1963. La Jolla, California. Skins. Brooks and Mayes (1975).

PLEURONECTIDAE - Platichthys stellatus Starry FlounderSYNONYMS - Pleuronectes stellatus

ACANTHOCEPHALA

Echinorhynchus gadi Zoega in Müller, 1776. British Columbia. Intestines. Arai (1969b); Kamchatka, USSR. Skryabina (1963).

Metechinorhynchus lageniforme (Ekbaum, 1938) Golvan, 1969. British Columbia. Intestines. Ekbaum (1938); Olson and Pratt (1971) as Echinorhynchus l.

POLYMORPHIDAE

Corynosoma strumosum (Rudolphi, 1802) Lühe, 1904. Juvenile. British Columbia. Livers, mesenteries, intestinal walls. Ekbaum (1938); Sea of Japan. Zhukov (1960a); Washington. Van Cleave (1953).

CESTODA

DIPHYLLOBOTHRIDAE

Diphyllobothrium sp. Larva. Western Kamchatka, USSR. Digestive tracts. Tsimlalyuk and Semeshko (1971).

PHYLLOBOTHRIDAE

Phyllobothrium sp. Larva. British Columbia. Intestines. Arai (1969b).

AMPHICOTYLIDAE

Eubothrium crassum (Bloch, 1779). Western Kamchatka, USSR. Intestines. Tsimlalyuk and Semeshko (1971).

BOTHRIOCEPHALIDAE

Bothriocephalus scorpii (Müller, 1766) Rudolphi, 1808. Western Kamchatka, USSR. Digestive tracts. Tsimlalyuk and Semeshko (1971).

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Larva. Kamchatka, USSR. Strelkov (1960).

TETRAPHYLLIDEA

Scolex pleuronectis Muller, 1788. Kamchatka, USSR. Intestines, gallbladders. Skryabina (1963).

Platichthys stellatus (continued)

COPEPODA

CALIGIDAE

Lepeophtheirus parviventris Wilson, 1905. Alaska, Washington.

Townsend (1938) as L. septentrionalis; Kabata (1973).

Lepeophtheirus hospitalis Fraser, 1920. British Columbia. Fraser (1920); Oregon. Ventral surfaces. Millemann (1970); good drawing Kabata (1973).

Lepeophtheirus parvicruris Fraser, 1920. Vancouver Island, British Columbia. Fraser (1920); Oregon. Gill cavities. Millemann (1970); good drawing Kabata (1973).

Pseudolepeophtheirus longicauda Markevich, 1940. Kamchatka, USSR. Mouths. Bykhovskaya-Pavlovskaya et al (1962).

LERNAEOPODIDAE

Nectobrachia indivisa Fraser, 1920. British Columbia. Gills.

Fraser (1920); USSR. Bykhovskaya-Pavlovskaya et al (1962).

Nectobrachia sp. Oregon. Gills. Millemann (1970).

CHONDRACANTHIDAE

Acanthochondria rectangularis (Fraser, 1920) Markevich, 1957.

Oregon. Gill cavities. Millmann (1970); British Columbia. Gills. Fraser (1920) as Chondracanthus r.

NAOBRANCHIIDAE

Naobranchia occidentalis Wilson, 1915. Pacific coast, USA. Villalid (1927).

DIGENEA

HEMIURIDAE

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia. Intestines. Arai (1969b).

Derogenes varicus (Müller, 1784) Looss, 1901. Washington. Ching (1960a); Kamchatka, USSR. Stomachs, intestines. Skryabina (1963).

Sterrhurus exodicus (McFarlane, 1936) Yamaguti, 1958. Washington. Ching (1960a) as Lecithochirium e.

Parahemiurus merus (Linton, 1910) Woolcock, 1935. Washington. Stomachs. Lloyd (1938) as P. platichthyi.

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Oregon. Stomachs. McCauley (1960); Monterey Bay, California. Nahhas (1960); Sea of Japan. Zhukov (1960a).

Genarchopsis mülleri (Levinsen, 1881) Yamaguti, 1954. Kamchatka, USSR. Intestines. Strelkov (1960) as Genarches m.

FELLODISTOMIDAE

Stenakron vetsutum Stafford, 1904. Kamchatka, USSR. Strelkov (1960).

OPECOELIDAE

Podocotyle atomon (Rudolphi, 1802) Odhner, 1905. British Columbia. Intestines. Arai (1969b); Sea of Japan. Zhukov (1960a).

Platichthys stellatus (continued)

BUCEPHALIDAE

Bucephalopsis basaringi Layman, 1930. Sea of Japan. Intestines.
Yamaguti (1971).

Bucephalopsis gracilenscens (Rudolphi, 1819). Kamchatka, USSR.
Intestines. Skryabina (1963).

ZOOGONIDAE

Zoogonoides viviparus (Olsson, 1868) Odhner, 1902. Sea of Japan.
Intestines. Zhukov (1960a).

OPECOELIDAE

Decemtestis azumae (Layman, 1930) Yamaguti, 1934. Sea of Japan.
Intestines. Zhukov (1960a) as Helicometrina a.

MONOGENA

GYRODACTYLIDAE

Gyrodactylus ackerti Mizelle and Kritsky, 1967. Bodega Bay,
California. Gills. Mizelle and Kritsky (1967d).

Gyrodactylus branchius Mizelle and Kritsky, 1967. Bodega Bay,
California. Gills. Mizelle and Kritsky (1967d).

Gyrodactylus stellatus Crane and Mizelle, 1967. Bodega Bay,
California, Pacific Ocean. Skins. Crane and Mizelle (1967).

Gyrodactylus grönlandicus grönlandicus Levinsen, 1881. Bering Sea.
Gills. Zhukov (1960b).

Gyrodactylus robustus MalMBERG, 1956. Bering Sea. Zhukov (1960b).

Gyrodactylus unicopula Gluchowa, 1955. Bering Sea. Gills. Zhukov
(1960b).

GYRODACTYLOIDEA

British Columbia. Gills. Arai (1969b).

NEMATODA

PHILOMETRIDAE

Philometra americana Kuitunen-Ekbaum, 1933. British Columbia.
Subcutaneous. Kuitunen-Ekbaum (1933a).

Philometra sp. British Columbia. Intestines. Arai (1969b);
British Columbia. Between fin rays. Margolis (1952).

CUCULLANIDAE

Cucullanus annulatus Margolis, 1960. British Columbia. Intestines.
Arai (1969b).

Cucullanus heterochrous Rudolphi, 1802. Kamchatka, USSR. Intestines,
stomachs. Skryabina (1963).

ANISAKIDAE

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Kamchatka,
USSR. Intestines. Skryabina (1963) as Contracecum a.

Contracecum sp. Larva. British Columbia. Body cavities. Arai (1969b);
Kamchatka, USSR. Intestines, body cavities, livers, kidneys.
Skryabina (1963).

Anisakis sp. British Columbia. Intestines. Arai (1969b); Kamchatka,
USSR. Body cavities, intestines, abdominal walls. Skryabina (1963).

Platichthys stellatus (continued)

PROTOZOA (MICROSPORIDA)

NOSEMATIDAE

Glugea stephani (Hagenmuller). Northern California. Intestines.
Jensen and Wellings (1972)-tentative identification.

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Ceratomyxa platichthyitis (Fujita, 1923) Dogiel, 1948. Japan.
Gallbladders. Fujita (1923) as Leptotheca p.

MYXIDIIDAE

Myxidium oshoroense Fujita, 1923. Japan. Gallbladders. Fujita (1923).

CHLOROMYXIDAE

Kudoa sp. Washington. Muscles. Patashnik and Groninger (1964).

PLATYRHINIDAE - Platyrrhinoidis triseriata Thornback

CESTODA

ONCOBOTHRIIDAE

Acanthobothrium goldsteini Appy and Dailey, 1973. Seal Beach,
California. Spiral valves. Appy and Dailey (1973).

EUTETRARHYNCHIDAE

Prochristienella minima Heinz and Dailey, 1974. Alamitos Bay,
California. Spiral valves. Heinz and Dailey (1974).

DIGenea

GORGODERIDAE

Probolitrema californiense Stunkard, 1935. California. Stunkard
(1935).

NEMATODA

PHYSALOPTERIDAE

Proleptus acutus Dujardin, 1845. Southern California. Stomachs.
Specian, Ubelaker and Dailey (1975).

HEXAGRAMMIDAE - Pleurogrammus monopterygius Atka-Mackerel

ACANTHOCEPHALA

POLYMORPHIDAE

Corynosoma strumosum (Rudolphi, 1802) Lühe, 1904. USSR. Baeva (1965b).

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. Kamchatka, USSR. Intestines. Strelkov (1960).

CESTODA

TETRAPHYLLIDEA

Scolex pleuronectis Müller, 1788. Kamchatka, USSR. Intestines. Strelkov (1960).

TENTACULARIIDAE

Mybelinia surmenicola Okada, 1929. Larva. Kamchatka, USSR. Strelkov (1960).

COPEPODA

CALIGIDAE

Lepeoptheirus parviventris Wilson, 1905. Alaska. Exteriors. Kabata (1973); Siberia. Wilson (1905b).

DIGenea

FELLODISTOMIDAE

Hexagrammia zhukovi Baeva, 1965. USSR. Intestines. Baeva (1965).

BUCEPHALIDAE

Prosorhynchus crucibulum (Rudolphi, 1819) Odhner, 1905. USSR. Baeva (1965b).

OPECOELIDAE

Podocotyle reflexa (Creplin, 1825) Odhner, 1905. USSR. Baeva (1965b).

HEMIURIDAE

Genolinea aburame Yamaguti, 1934. USSR. Baeva (1965b).

NEMATODA

ANISAKIDAE

Terranova sp. Larva. USSR. Baeva (1965b).

Anisakis sp. Larva. Kamchatka, USSR. Strelkov (1960).

PLEURONECTIDAE - Pleuronichthys coenosus C-0 Turbot

COPEPODA

CHONDRACANTHIDAE

Acanthochondria fraseri Ho, 1972. La Jolla, California. Gills.
Ho (1972b).

Acanthochondria rectangularis (Fraser, 1920) Markevich, 1957.
British Columbia. Bere (1930a).

CALIGIDAE

Lepeophtheirus hospitalis Fraser, 1920. British Columbia. Fraser
(1920); good drawing. Kabata (1973).

BOMOLOCHIDAE

Holobomolochus prolixus (Cressey, 1969) Kabata, 1971. La Jolla,
California. Gill cavities. Cressey (1969b).

PLEURONECTIDAE - Pleuronichthys decurrens Curlfin Turbot

DIGENEA

FELLODISTOMIDAE

Fellodistomum furcigerum (Olsson, 1867) Yamaguti, 1953. Washington.
Intestines. Ching (1960a).

MONOGENEA

UDONELLIDAE

Udonella caligorum Johnston, 1835. San Francisco, California.
Skins. Crane (1972).

PLEURONECTIDAE - Pleuronichthys verticalis Hornyhead Turbot

MYXOSPORIDA

SPHAEROSPORIDAE

Sphaerosora divergens Thelohan, 1895. San Pedro, California. Urinary
bladders. Jameson (1931).

POLYNEMIDAE - Polydactylus approximans Blue Bobo

SYNONYM - Polynemus approximans

DIGENEA

OPECOELIDAE

Polydactylus approximans (continued)

Opecoeloides eucinostomi (Manter, 1940) Von Wicklen, 1946. Columbia, Panama. Intestines. Manter (1940a) as Anisoporus e.

MONOGENEA

MICROCOTYLIDAE

Microcotyloides impudicus Caballero, Bravo-Hollis, and Grocott, 1955. Panama. Gills. Caballero, Bravo-Hollis and Grocott (1955).

POLYNEMIDAE - Polydactylus opercularis Yellow Bobo

SYNONYM - Polynemus opercularis

COPEPODA

CALIGIDAE

Caligus coryphaenae Steenstrup and Lütken, 1861. East Pacific. Body surfaces. Shiino (1959c).

DIGENEA

BUCEPHALIDAE

Prosorhynchus crucibulum (Rudolphi, 1819) Odhner, 1905. Panama. Kidneys. Caballero, Bravo-Hollis and Grocott (1953).

BATRACHOIDIDAE - Porichthys sp.

DIGENEA

HEMIURIDAE

Aponurus trachinoti Manter, 1940. La Jolla, California. Stomachs. Manter and Van Cleave (1951).

Brachadena pyriformis Linton, 1910. La Jolla, California. Stomachs. Manter and Van Cleave (1951). Probably P. myriaster.

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. Friday Harbor, Washington. Intestines. Ching (1960b) as L. salmonis.

BATRACHOIDIDAE - Porichthys notatus Plainfin Midshipman

DIGenea

HEMIURIDAE

Derogenes varicus (Müller, 1784) Looss, 1901. Washington. Ching (1960a).

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. Washington. Ching (1960a) as L. salmonis.

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. British Columbia. Stomachs. Arai (1969b)

LEPOCREADIIDAE

Opechona alaskensis Ward and Fillingham, 1934. Alaska. Ching (1960a).

OPECOELIDAE

Podocotyle atomon (Rudolphi, 1802) Odhner, 1905. Puget Sound, Washington. Intestines. Aldrich (1960).

PROTOZOA (MYXOSPORIDA)

SPHAEROSPORIDAE

Davisia sp. Puget Sound, Washington. Urinary bladders. Kuris (1975).
Davisia bidens (Jameson, 1931) Laird, 1953. California. Urinary bladders. Jameson (1931) as Sinuolinea b.; Puget Sound, Washington. Kuris (1975).

Davisia cella (Jameson, 1931) Laird, 1953. California. Urinary bladders. Jameson (1931) as Sinuolinea c.

Sinuolinea dimorpha (Davis, 1917) Kudo, 1920. California. Urinary bladders. Jameson (1931) as sphaerospora d.

CERATOMYXIDAE

Ceratomyxa elegans Jameson, 1929. Monterey, California. Gall-bladders. Jameson (1929); Puget Sound, Washington. Kuris (1975).

CARCHARHINIDAE - Prionace glauca Blue Shark

CESTODA

PHYLLOBOTHRIIDAE

- Anthobothrium laciniatum Linton, 1890. Humbolt Bay, California. Pappas (1968); Monterey Bay, California. Riser (1955); New Zealand. Spiral valves. Alexander (1963).
- Anthobothrium minutum Guiart, 1935. Cape Verde Island. Yamaguti (1959b).
- Anthobothrium cornucopia Van Beneden, 1850. France. Joyeux and Baer (1936).
- Anthobothrium auriculatum (Rudolphi, 1819) Diesing, 1863. France. Joyeux and Baer (1936).
- Phyllobothrium dagnallium Southwell, 1927. Newfoundland. Threlfall (1969).
- Phyllobothrium prionacis Yamaguti, 1934. Japan. Yamaguti (1934b). [= Crossobothrium p. - Williams (1968)].
- Dinobothrium septaria Van Beneden, 1889. Baylis (1950).
- Dinobothrium keilini Sproston, 1948. English Channel. Intestines. Sproston (1948).
- Crossobothrium angustum (Linton, 1889). Monterey Bay, California. Riser (1955) as Scyphophyllidium a.; Massachusetts. Spiral valves. Linton (1924); Chile. Carvajal (1974).
- Pelichnibothrium speciosum Monticelli, 1889. Off Humbolt Bay, California. Spiral valves. Pappas (1968); Pacific Coast of Japan. Yamaguti (1959b).

ONCOBOTHRIIDAE

- Cylindrophorus posteroporus Riser, 1955. Humbolt Bay, California. Spiral valves. Pappas (1968); Monterey Bay, California. Riser (1955).
- Platybothrium auriculatum Yamaguti, 1952. Chile. Carvajal (1974); Pacific Coast, Japan. Yamaguti (1952).
- Platybothrium cervinum Linton, 1890. Massachusetts. Spiral valves. Linton (1924).
- Platybothrium parvum Linton, 1901. Newfoundland. Threlfall (1969).
- Platybothrium baeri Euzet, 1952. Naples. Yamaguti (1959b).
- Acanthobothrium coronatum (Rudolphi, 1819) Van Beneden, 1849. South Atlantic. Digestive tracts. Parukhin (1968).
- Calliobothrium verticillatum (Rudolphi, 1819) Van Beneden, 1850. Chile. Carvajal (1974).

PROTEOCEPHALIDAE

- Prosobothrium japonicum Yamaguti, 1934. Japan. Yamaguti (1934b); California. Riser (1955).
- Prosobothrium armigerum Cohn, 1902. Monterey Bay, California. Spiral valves. Riser (1955); France. Joyeux and Baer (1936).
- Prosobothrium adherans (Linton, 1924) Riser, 1955. Massachusetts. Spiral valves. Linton (1924) as Ichthyotaenia a.

DASYRHYNCHIDAE

- Floriceps saccatus Cuvier, 1817. Japan. Spiral intestines. Dollfus (1942).
- Callitetrarhynchus gracilis (Rudolphi, 1819) Pintner, 1931. Catalina Channel, California. Heinz and Dailey (1974).

Prionace glauca (continued)

TENTACULARIIDAE

- Tentacularia coryphaenae Bosc, 1797. Pacific Japan. Yamaguti (1959b).
Nybelinia pintneri Yamaguti, 1934. Pacific coast of Japan. Yamaguti (1934b).
Nybelinia lingualis (Cuvier, 1817) Dollfus, 1929. Mediterranean. Spiral Valves. Dollfus (1942).

HEPATOXYLIDAE

- Hepatoxylon trichiuri (Holten, 1802) Dollfus, 1942. Postlarva. Mediterranean, Japan. Dollfus (1942); New Zealand. Body cavities. Hewitt and Hine (1972).
Hepatoxylon squali (Martiniere, 1797) Bosc, 1811. Postlarva. Off Humbolt Bay, California. Livers. Pappas (1970). [= H. trichiuri - Dollfus (1942)].

COPEPODA

EUDACTYLINIDAE

- Nemesis lamna Risso, 1826. Great Britain. Gills. Sproston (1948).
Nemesis robusta (Van Beneden, 1851) Heller, 1865. Mediterranean. Delamare-Deboutteville and Nunes-Ruivo (1953).
Nemesis carchariaeglauci (Hesse, 1883) Wilson, 1922. Humbolt Bay, California. Gills. Pappas (1968); Mediterranean. Delamare-Deboutteville and Nunes-Ruivo (1953) both as Krøyeria c. Species Inquireae, may be N. robusta.
Krøyeria aculeata (Gerstaecker, 1854). Mediterranean. Delamare-Deboutteville and Nunes-Ruivo (1953) as Lonchidium aculeatum.
Krøyeria gracilis Wilson, 1932. Massachusetts. Nostrils. Wilson (1932).
Krøyerina elongata Wilson, 1932. Massachusetts. Gills. Wilson (1932).

PANDARIDAE

- Pandarus bicolor Leach, 1816. North Atlantic, Mediterranean. Hewitt (1967).
Pandarus satyrus Dana, 1852. Japan. Body surfaces, fins. Kabata and Gusev (1966); Indian Ocean. Cressey (1967a); West Pacific, Western North Atlantic. Cressey (1967c).
Gangliopus pyriformis Gerstaecker, 1854. Indian Ocean, North Atlantic. Gills. Cressey (1967c).
Phyllothereus cornutus (Edwards, 1840) Norman, 1903. Indian Ocean, Western North Atlantic. Gill chambers. Cressey (1967c); Hawaii. Lewis (1966).
Dinematura producta (Müller, 1785) Latreille, 1829. Maine. Cressey (1967c).
Dinematura latifolia Steenstrup and Lütken, 1861. Lewis (1966).
Parapanarus nodosus Wilson 1924. Massachusetts. Gills. Wilson (1932).
Echthrogaleus coleoptratus (Guerin, 1837) Wilson, 1907. Humbolt Bay, California. Body surfaces, fins. Pappas (1968); Western North Atlantic. Cressey (1967c); Indian Ocean. Cressey (1967a); Australia. Heegard (1962); Japan. Shiino (1954e).

Prionace glauca (continued)

ANTHOSOMATIDAE

Anthosoma crassum (Abildgard, 1794) Gould, 1841. Japan. Buccal cavities. Shiino (1955c).

DIGENEA

PTYCHOGONIMIDAE

Ptychogonimus megastomus (Rudolphi, 1819) Lühe, 1900. Stomachs. Nicoll (1915).

NEMATODA

ANISAKIDAE

Anisakis sp. Post larva. New Zealand. Stomachs. Hewitt and Hine (1972).

PLEURONECTIDAE - Psettichthys melanostictus Sand Sole

ACANTHOCEPHALA

POLYMORPHIDAE

Corynosoma strumosum (Rudolphi, 1802) Luhe, 1904. Larva. British Columbia. Margolis (1956a).

COPEPODA

CALIGIDAE

Lepeophtheirus bifurcatus Wilson, 1905. San Francisco Bay, California. Exteriors. Wilson (1908a).

Lepeophtheirus sp. Oregon. Gills. Millemann (1970).

CHONDRACANTHIDAE

Acanthochondria rectangularis (Fraser, 1920) Markevich, 1957. Oregon. Gill cavities. Millemann (1970).

DIGENEA

HEMIURIDAE

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Washington, Oregon. Stomachs. McCauley (1960).

ISOPODA

CYMOTHOIDAE

Livoneca vulgaris Stimpson, 1857. San Francisco, California. Gill chambers. Crane (1972)

MONOGENEA

UDONELLIDAE

Udonella caligorum Johnston, 1835. San Francisco, California. Gill chambers. Crane (1972) on Livoneca vulgaris.

Psettichthys melanostictus (continued)

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Many body places. Margolis (1952).

GOBIIDAE - Quietula y-cauda Shadow Goby

CESTODA

TETRAPHYLLIDEA

Scolex pleuronectis Müller, 1788. Mission Bay, California. Gall-bladders, intestines, mesenteries. Brooks and Brothers (1974).

DASYRHYNCHIDAE

Callitetrarhynchus sp. Larva. Mission Bay, California. Brooks and Brothers (1974).

DIGenea

HEMIURIDAE

Lecithaster minimus Martin and Multani, 1970. Mission Bay, California. Brooks and Brothers (1974).

NEMATODA

CAMALLANIDAE

Spirocamallanus sp. Mission Bay, California. Brooks and Brothers (1974).

COTTIDAE - Radulinus asprellus Slim Sculpin

MONOGENEA

MICROCOTYLIDAE

Microcotyle sp. Washington. Bonham (1950).

PROTOZOA (CILIOPHORA)

URCEOLARIIDAE

Trichondina ovonucleata Raabe, 1958. Washington. Lom (1970b).

SCYPHIDIIDAE

Scyphidia arctica Zhukov, 1960. Washington. Gills. Lom and Laird (1969).

RAJIDAE - Raja binoculara Big Skate

CESTODA

PHYLLOBOTHRIIDAE

Echeneibothrium myzorhynchum Hart, 1936. Monterey Bay, California. Riser (1955); Puget Sound, Washington. Spiral valves. Hart (1936) ["Provisionally accepted as a valid species". Williams (1966)].

Echeneibothrium octorchis Riser, 1955. Monterey Bay, California. Riser (1955).

Phyllobothrium radioductum Kay, 1942. Friday Harbor, Washington. Kay (1942a); Monterey Bay, California. Spiral valves. Riser (1955).

ONCOBOTHRIIDAE

Acanthobothrium dujardinii Van Beneden, 1849. Puget Sound, Washington. Hart (1936).

Acanthobothrium brachyacanthum Riser, 1955. Monterey Bay, California. Riser (1955).

Pinguicollum pinguicollum (Sleggs, 1927) Riser, 1955. Monterey Bay, San Luis Obispo Bay, California. Riser (1955).

COPEPODA

PANDARIDAE

Perissopus oblongatus (Wilson, 1908) Cressey, 1967. California. Wilson (1911) as Achtheinus dentatus

CALIGIDAE

Lepeophtheirus parviventris Wilson, 1905. British Columbia. Fraser (1920); Kabata (1973).

Lepeophtheirus cuneifer Kabata, 1974. Alaska. Kabata (1974).

Lepeophtheirus pravipes Wilson, 1912. British Columbia. Kabata (1973).

LERNAEOPODIDAE

Schistobrachia tertia Kabata, 1970. British Columbia. Gills and buccal cavities. Kabata (1970c).

Pseudocharopinus dentatus (Wilson, 1912) Kabata, 1964. Oregon. Surfaces. Wilson (1935b); British Columbia. Fraser (1920) both as Charopinus d.

Lernaeopoda scylicola Leigh-Sharpe, 1916. San Francisco and Tomales Bays, California. Heads. Russo (1975).

DIGenea

AZYGIIDAE

Otodistomum veliporum (Creplin, 1837) Stafford, 1904. Washington. Stomachs. Lloyd (1938); Oregon. Pratt and McCauley (1961).

HIRUDINEA

PISCICOLIDAE

Branchellion lobata Moore, 1952. Monterey Bay, California. Body surfaces. Moore (1952).

Raja binoculata (continued)

MONOGENEA

HEXABOTHRIDAE

Rajonchocotyle sp. Washington. Guberlet (1936a).

MONOCOTYLIDAE

Merizootyle pugetensis Kay, 1942. Washington. Nostrils. Kay (1942a).

ACANTHOCOTYLIDAE

Allacanthocotyla pugetensis (Guberlet, 1934) Yamaguti, 1963. Washington. Gills, nasal filaments. Robinson (1961) as Acanthocotyle p.; San Francisco, California. Crane (1972).
Pseudacanthocotyla pacifica (Guberlet, 1937) Yamaguti, 1963. Washington. On bodies, gills, nasal filaments. Robinson (1961) as Acanthocotyle p.

RAJIDAE - Raja inornata California Skate

SYNONYM - Raja montereyensis

CESTODA

PHYLLOBOTHRIDAE

Discobothrium [=Echeneibothrium] fallax Van Beneden, 1870. Monterey Bay, California. Spiral Valves. Riser (1955) ["Generic position and systematic identity unclear" - Williams (1966)]
Phyllobothrium radioductum Kay, 1942. Monterey Bay, California. Spiral valves. Riser (1955).
Echeneibothrium octorchis Riser, 1955. Monterey Bay, California. Riser (1955).
Echeneibothrium macrascum Riser, 1955. Monterey Bay, California. Riser (1955).

ONCOBOTHRIDAE

Acanthobothrium brachyacanthum Riser, 1955. Monterey Bay, California. Riser (1955).
Pinguicollum pinguicollum (Sleggs, 1927) Riser, 1955. Monterey Bay, California. Riser (1955).

COPEPODA

LERNAEOPODIDAE

Dendrata cameroni longiclavata Kabata and Gussev, 1966. British Columbia. Skins. Kabata (1970c).

RAJIDAE - Raja rhina Longnose Skate

CESTODA

TENTACULARIIDAE

Grillotia musculara (Hart, 1936) Dollfus, 1942. Puget Sound, Washington. Spiral valves. Hart (1936a) as Tentacularia m.

PHYLLOBOTHRIIDAE

Phyllobothrium radioductum Kay, 1942. Monterey Bay, California. Spiral valves. Riser (1955).

Echeneibothrium octorchis Riser, 1955. Monterey Bay, California. Riser (1955).

Echeneibothrium dolichoophorum Riser, 1955. Monterey Bay, California. Riser (1955).

Discobothrium [=Echeneibothrium] fallax Van Beneden, 1870. Monterey Bay, California. Spiral valves. Riser (1955) ["Generic position and systematic identity unclear" - Williams (1966)].

ONCOBOTHRIIDAE

Pinguicollum pinguicollum (Sleggs, 1927) Riser, 1955. Monterey Bay, California. Riser (1955).

COPEPODA

CALIGIDAE

Lepeophtheirus parviventris Wilson, 1905. British Columbia. Kabata (1973).

LERNAEOPODIDAE

Schistobrachia tertia Kabata, 1970. Vancouver Island, British Columbia. Gills and buccal cavities. Kabata (1970c)

Lernaeopodina pacifica Kabata and Gusev, 1966. British Columbia. Gills. Kabata (1970c).

Pseudocharopinus dentatus (Wilson, 1912) Kabata, 1964. British Columbia. Buccal cavities, gills, skin, claspers. Kabata (1970c).

DIGENEA

AZYGIIDAE

Otodistomum veliporum (Creplin, 1837) Stafford, 1904. Vancouver Island, British Columbia. Stomachs. Margolis (1952).

MONOGENEA

ACANTHOCOTYLIDAE

Pseudacanthocotyla pacifica (Guberlet, 1937) Yamaguti, 1963. Washington. Bonham and Guberlet (1938); bodies and gills. Robinson (1961) as Acanthocotyle p. by both of above.

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Various parts of body. Margolis (1952).

RAJIDAE - Raja stellulata Starry Skate

MONOGENEA

HEXABOTHRIIDAE

Rajonchocotyle batis Cerfontaine, 1899. Washington. Price (1942).

ACANTHOCOTYLIDAE

Pseudacanthocotyla pacifica (Guberlet, 1937) Yamaguti, 1963. Washington. Bonham and Guberlet (1938) as Acanthocotyla p.

MOLIDAE - Ranzania truncata Slender Mola

DIGENEA

ACCACOELIIDAE

Orophocotyle planci (Stossich, 1899) Looss, 1902. Trieste. Yamaguti (1971).

PLEURONECTIDAE - Reinhardtius hippoglossoides Greenland Halibut

ACANTHOCEPHALA

POLYMORPHIDAE

Corynosoma strumosum (Rudolphi, 1802) Lühe, 1904. Pacific Ocean. Mamaev, Parukhin, and Baeva (1963).

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. Pacific Ocean. Mamaev, Parukhin and Baeva (1963).

CESTODA

TETRAPHYLLIDEA

Scolex polymorphus Rudolphi, 1819. Barents Sea, USSR. Intestines. Polyansky (1955b) [= Scolex pleuronectis - Wardle and McLeod (1952)].
Scolex pleuronectis Müller, 1788. Pacific Ocean. Pyloric caeca, intestines. Mamaev, Parukhin and Baeva (1973).

PSEUDOPHYLLIDEA

Gen. and sp. Larva. Pacific Ocean. Stomachs, intestines. Mamaev, Parukhin and Baeva (1963).

AMPHICOTYLIDAE

Eubothrium sp. Pacific Ocean. Intestines. Mamaev, Parukhin and Baeva (1963).

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Pacific Ocean. Intestines. Mamaev, Parukhin and Baeva (1963).

Reinhardtius hippoglossoides (continued)

BOTHRIOCEPHALIDAE

Bothriocephalus sp. Pacific Ocean. Mamaev, Parukhin and Baeva (1963).

DIGENEA

HEMIURIDAE

Derogenes varicus (Müller, 1784) Looss, 1901. Barents Sea, USSR. Stomachs. Polyansky (1955b).

Genarchopsis mülleri (Levinsen, 1881) Yamaguti, 1954. Barents Sea, USSR. Stomachs. Polyansky (1955b) as Genarches m.

Hemiurus levinseni Odhner, 1905. Pacific Ocean. Mamaev, Parukhin and Baeva (1963).

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. Pacific Ocean. Mamaev, Parukhin and Baeva (1963).

Brachyphallus crenatus (Rudolphi, 1802) Odhner, 1905. Pacific Ocean. Mamaev, Parukhin and Baeva (1963).

ACANTHOCOLPIDAE

Stephanostomum baccatum (Nicolli, 1907) Manter, 1934. Pacific Ocean. Intestines. Mamaev, Parukhin and Baeva (1963).

BUCEPHALIDAE

Bucephalopsis gracilescens (Rudolphi, 1819). Pacific Ocean. Mamaev, Parukhin and Baeva (1963).

OPECOELIDAE

Podocotyle atomon (Rudolphi, 1802) Odhner, 1905. Pacific Ocean. Mamaev, Parukhin and Baeva (1963).

ZOOGONIDAE

Steganoderma formosum Stafford, 1904. Pacific Ocean. Mamaev, Parukhin and Baeva (1963).

FELLODISTOMIDAE

Stenakron vetustum Stafford, 1904. Pacific Ocean. Mamaev, Parukhin and Baeva (1963).

Fellodistomum furcigerum (Olsson, 1867) Yamaguti, 1954. Pacific Ocean. Mamaev, Parukhin and Baeva (1963) as Steringophorus furciger.

NEMATODA

ANISAKIDAE

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Adult, larva. Barents Sea, USSR. Intestines, body cavities, mesenteries. Polyansky (1955b) as Contraeaecum a.

Anisakis sp. Larva. Barents Sea, USSR. Livers, intestines. Polyansky (1955b).

Terranova sp. Larva. Pacific Ocean. Mamaev, Parukhin and Baeva (1963) as Porrocaecum sp.

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Ceratomyxa drepanosettae Awerinzew, 1907. Barents Sea, USSR. Gall-bladders. Polyansky (1955b).

ECHENEIDIDAE - Remilegia australis Whalesucker

COPEPODA

CALIGIDAE

Lepeophtheirus crassus (Wilson and Bere, 1936) Shiino, 1960.
Pacific. Skins. Shiino (1963a).

ECHENEIDIDAE - Remora brachyptera Gray Marlinsucker

MONOGENEA

DIONCIDAE

Dioncus agassizi Goto, 1899. Rhode Island, Massachusetts. Gills.
Yamaguti (1963).

ECHENEIDIDAE - Remora remora Remora

SYNONYM - Echeneis remora

CESTODA

DASYRHYNCHIDAE

Callitetrarhynchus gracilis (Rudolphi, 1819) Pintner, 1931.
Pleurocercoïd. Massachusetts. Peritoneums. Dollfus (1942).

BOTHRIOCEPHALIDAE

Bothriocephalus sp. Pleurocercoïd. Massachusetts. Linton (1941).

TENTACULARIIDAE

Nybelinia robusta (Linton, 1890) Dollfus, 1930. Larva. France.
Linton (1890) as Tetrarhynchus robustum.

Nybelinia bisulcata (Linton, 1889) Dollfus, 1929. Larva. Mass-
achusetts. Linton (1924) as Tetrarhynchus b.

TETRAPHYLLIDEA

Scolex polymorphus Rudolphi, 1819. Massachusetts. Linton (1924)
[= S. pleuronectis - Wardle and McLeod (1952)].

COPEPODA

PANDARIDAE

Perissopus oblongatus (Wilson, 1908) Cressey, 1967. Atlantic.
Wilson (1911) as Achtheinus dentatus.

CALIGIDAE

Caligus elongatus Nordmann, 1832. New England. External surfaces.
Wilson (1905) as C. rapax.

Lepeophtheirus crassus (Wilson and Bere, 1936) Shiino, 1960.
Indian Ocean. External surfaces. Lewis, Dean and Gilfillan (1969).

PENNELLIDAE

Pennella remorae Murray, 1856. New Zealand. Heegaard (1962);
Atlantic, Mediterranean. In flesh. Brian (1906).

Remora remora (continued)

DIGENEA

DIDYMOZOIDAE

Gen. and sp. Larva. Massachusetts. Linton (1940) as Distoma fenestratum.

HEMIURIDAE

Brachyphallus crenatus (Rudolphi, 1802) Odhner, 1905. Massachusetts. Linton (1940).

Lecithochirium monticellii (Linton, 1898) Crowcroft, 1946. Massachusetts. Stomachs. Linton (1940) as Sterrurus monticelli.

LEPOCREADIIDAE

Echeneidocoelium indicum Simha and Pershad, 1964. Bay of Bengal, India. Intestines. Simha and Pershad (1964).

MONOGENEA

DIONCIDAE

Dionchus agassiz Goto, 1899. Massachusetts. Gills. Linton (1940).

EMBIOTOCIDAE - Rhacochilus toxotes Rubberlip Surfperch

COPEPODA

CALIGIDAE

Caligus hobsoni Cressey, 1969. La Jolla, California. Cressey (1969a).

PHILICHTHYIDAE

Colobomatus embiotocae Noble, Collard and Wilkes. 1969. Goleta, California. Under skin covering cheek ridges, around eyes, in the cepalic sensory canal systems. Noble, Collard and Wilkes (1969).

DIGENEA

ACANTHOCOLPIDAE

Stephanostomum casum (Linton, 1910) McFarlane, 1936. Immature. Monterey Bay, California. Chapa (1969) ["....probably immature forms of this species." - Chapa (1969)].

ZOOGONIDAE

Zoogonus dextrocirrus Aldrich, 1961. Monterey Bay, California. Intestines. Chapa (1969).

Neozoogonus californicus Arai, 1954. California. Intestines. Arai (1962).

MONORCHIIDAE

Telolecithus pugentensis Lloyd and Guberlet, 1932. California. Arai (1967).

Rhacochilus toxotes (continued)

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Leptotheca fisheri (Jameson, 1929) Kudo, 1933. California.
Gallbladders. Jameson (1931) as Ceratomyxa f.

COTTIDAE - Rhamphocottus richardsonii Grunt Sculpin

NEMATODA

SPIRURIDAE

Ascarophis Sebastodis Olsen, 1952. British Columbia. Intestines.
Arai (1969b).

ANISAKIDAE

Terranova sp. Larva. British Columbia. Body cavities. Arai (1969b)
as Porrocaecum sp.

RHINCODONTIDAE - Rhincodon typus Whale Shark

COPEPODA

PANDARIDAE

Prosaetes rhinodontis (Wright, 1874) Wilson, 1944. Seychelles
Islands, Indian Ocean. Gills. Wilson (1907b).

RHINOBATIDAE - Rhinobatis productus Shovelnose Guitarfish

CESTODA

ONCOBOTHRIIDAE

Acanthobothrium dujardinii Van Beneden, 1849. San Diego, California.
Young (1954).

Acanthobothrium rhinobati Alexander, 1953. Santa Monica, California.
Spiral valves. Alexander (1953).

Acanthobothrium robustum Alexander, 1953. Long Beach, California.
Spiral valves. Alexander (1953).

Acanthobothrium olseni Dailey and Mudry, 1968. Newport Beach, Calif-
ornia. Spiral valves. Dailey and Mudry (1968).

LACISTORHYNCHIDAE

Lacistorhynchus tenuis (Van Beneden, 1858) Dollfus, 1929. Seal
Beach, California. Heinz and Dailey (1974).

Rhinobatis productus (continued)

EUTETRARHYNCHIDAE

- Eutetrarhynchus schmidti Heinz and Dailey, 1974. Seal Beach, California. Spiral valves. Heinz and Dailey (1974).
Prochristianella fragilis Heinz and Dailey, 1974. Mission Bay, California. Spiral valves. Heinz and Dailey (1974).
Parachristianella monomegacantha Kruss, 1959. Seal Beach, California. Heinz and Dailey (1974).

TETRAPHYLLIDEA

- Gen. and sp. Red pigmented pleurocercoid. Southern California. Stomachs. Kunnenkeri and Martin (1962).

DIGENEA

GORGODERIDAE

- Probolitrema californiense Stunkard, 1935. California. Body cavities. Stunkard (1935).

MONOGENEA

MONOCOTYLIDAE

- Spinuris lophosoma Doran, 1953. Long Beach, California. Gills. Doran (1953).
Anoplocotyloides papillata (Doran, 1953) Young, 1967. Long Beach, California. Gills. Doran (1953) as Heterocotyle p.
 Gen. and sp. Eastern Pacific. Olfactory cavities. Kunnenkeri and Martin (1963).

HEXABOTHRIIDAE

- Rhinobatonchocotyle cyclovaginatus Doran, 1953. Long Beach, California. Gills. Doran (1953).

GOBIESOCIDAE - Rimicola eigenmanni Slender Clingfish

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

- Leptotheca compressa Noble, 1939. Santa Barbara, California. Urinary bladders. Noble (1939).

SERRANIDAE - Roccus saxatilis Striped BassSYNONYMS - Morone saxatilis, Roccus lineatus, Labrax lineatus

ACANTHOCEPHALA

POMPHORHYNCHIDAE

Pomphorhynchus rocci Cordonnier and Ward, 1967. North Carolina. Intestines. Cordonnier and Ward (1967).
Pomphorhynchus laevis (Zoega in Müller, 1776) Van Cleave, 1924. Raney et al (1952).

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. Raney et al (1952).
Leptorhynchoides thecatum (Linton, 1891). Hoffman (1967).

CESTODA

LACISTORHYNCHIDAE

Lacistorhynchus tenuis (Van Beneden, 1858) Dollfus, 1929. Larva. Massachusetts. Intestines. Linton (1924 as Rhynchobothrium bulbifer).

DASYRHYNCHIDAE

Calliotetrarhynchus gracilis (Rudolphi, 1819) Pintner, 1931. Cysts in viscera. Raney et al (1952) as Rhynchobothrium speciosum.

COPEPODA

ERGASILIDAE

Ergasilus labracis Krøyer, 1863. Virginia. Roberts (1970); Massachusetts. Gills. Wilson (1917).

LERNAEOPODIDAE

Achtheres lacae Kroyer, 1863. Hoffman (1967).

DIGenea

LEPOCREADIIDAE

Lepocreadium californianum Edwards and Nahhas, 1968. Sacramento-San Joaquin Delta, California. Intestines. Edwards and Nahhas (1968).

CRYPTOGONIMIDAE

Neochasmus sogandaresi Overstreet, 1971. Mississippi. Intestines. Pyloric caeca. Overstreet (1971a).

ACANTHOCOLPIDAE

Stephanostomum tenue (Linton, 1898) Linton, 1934. Massachusetts. Linton (1940).

ISOPODA

CYMOTHOIDAE

Livoneca ovalis, New York. Inside of operculums. Alperin (1966).

Roccus saxatilis (continued)

MONOGENEA

DACTYLOGYRIDAE

Aristocleidus hastatus Mueller, 1936. Florida. Gills. Yamaguti (1963b).

Cleidodiscus pricei Mueller, 1936. Sacramento-San Joaquin Delta, California. Gills. Hensley and Nahhas (1975).

DIPLECTANIDAE

Diplectanum collinsi (Mueller, 1936) Price, 1937. Florida. Yamaguti (1963b).

CAPSALIDAE

Neobenedenia melleni (MacCallum, 1927) Yamaguti, 1963. Raney et al (1952) as Epibdella m.

MICROCOTYLIDAE

Microcotyle eueides MacCallum and MacCallum, 1913. Atlantic (USA). Yamaguti (1963b).

Microcotyle macroura MacCallum and MacCallum, 1913. North America (Atlantic). Yamaguti (1963b).

GASTROCOTYLIDAE

Lithidocotyle acanthophallus (MacCallum and MacCallum, 1913) Sproston, 1946. New York. Hargis (1956c).

NEMATODA

ANISAKIDAE

Contraecaecum brachyurum (Ward and Magath, 1917). Sacramento-San Joaquin Delta, California. Intestines, caeca. Hensley and Nahhas (1975) [should probably be Thynnascaris b.]

Goezia annulata (Molin, 1859). Raney et al (1952).

SPIRURIDAE

Spiroxys sp. Larva. Sacramento-San Joaquin Delta, California. Intestines, stomachs, caeca, mesenteries. Hensley and Nahhas (1975).

PHILOMETRIDAE

Philometra rubra (Leidy, 1856). USA. Yamaguti (1963b).

PROTOZOA (CILIOPHORA)

URCEOLARIIDAE

Trichodina davisii Wellborn, 1967. North Carolina. Fins, body surfaces, gills. Wellborn (1967).

PROTOZOA (MYXOSPORIDA)

CHLOROMYXIDAE

Kudoa cerebralis Paperna and Zwerner, 1974. Chesapeake Bay. Connective tissue of nervous tissue. Paperna and Zwerner (1974).

SCIAENIDAE - Roncador stearnsi Spotfin Croaker

ACANTHOCEPHALA

RHADINORHYNCHIDAE

Illiosentis cetratus Van Cleave, 1945. La Jolla, California.
Intestines. Van Cleave (1945).

CESTODA

TETRAPHYLLIDEA

Gen. and sp. Red pigmented plerocercoid. Southern California.
Intestines, pyloric caeca. Kunnenkeri (1962).

COPEPODA

BOMOLOCHIDAE

Holobomolochus attenuatus (Wilson, 1913) Vervoort, 1969. Ensenada,
Baja California, Mexico. Causey (1960) as Bomolochus a.

LERNAEPODIDAE

Brachiella gulosa Wilson, 1915. Ensenada, Baja California, Mexico.
Causey (1960).

Brachiella sciaenophila Heller, 1865. Ensenada, Baja California,
Mexico. Causey (1960) ["Host not well identified" - Causey (1960)].

DIGenea

ZOOGONIDAE

Diplangus triradiatus Manter and Van Cleave, 1951. La Jolla,
California. Intestines. Manter and Van Cleave (1951).

MONORCHIIDAE

Postmonorchis donacis Young, 1953. La Jolla, California. Intestines.
Young (1953).

OPECOELIDAE

Pseudopecoelus umbrinae Manter and Van Cleave, 1951. La Jolla,
California. Intestines. Manter and Van Cleave (1951).

BATHYMASTERIDAE - Ronquilus jordani Northern Ronquil

DIGenea

HEMIURIDAE

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia.
Intestines. Arai (1969b).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Body cavities. Arai (1969b).

CUCULLANIDAE

Cucullanus sp. British Columbia. Intestines. Arai (1969b).

GEMPYLIDAE - Ruvettus pretiosus Oil Fish

COPEPODA

DISSONIDAE

Dissonus ruveti Nunes-Ruivo and Fourmanoir, 1956. Madagascar.
Anal fins. Nunes-Ruivo and Fourmanoir (1956).

DIGenea

DIDYMOZOIDAE

Neounitubulotestis orbitarium (Dollfus, 1956) Yamaguti, 1971.
Morocco. Yamaguti (1971).

APOROCOTYLIDAE

Aporocotyle pacifica Yamaguti, 1970. Hawaii. Yamaguti (1970).

SEARSIIDAE - Sagamichthys abei

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Myxidium melanostigmum Noble, 1966. Southern California. Gall-
bladders. Noble (1966a).

SALMONIDAE - Salmo clarki Cutthroat Trout

SYNONYMS - Salmo mykiss, Salmo clarki henshawi, Salmo clarki lewisi

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Metechinorhynchus lateralis (Leidy, 1851) Golvan, 1969. Humbolt
Bay, California. Intestines. Haderlie (1953) as Echinorhynchus l.
Metechinorhynchus salmonis (Müller, 1784) Petrotschenko, 1956.
USSR. Intestines. Bykhovskaya-Pavlovskaya et al (1964).

NEOECHINORHYNCHIDAE

Neoechinorhynchus crassus Van Cleave, 1919. USSR. Intestines.
Bykhovskaya-Pavlovskaya et al (1964).
Neoechinorhynchus rutili (Müller, 1780). British Columbia. Bangham
and Adams (1954); Wyoming. Intestines. Heckmann (1971).

POMPHORHYNCHIDAE

Pomphorhynchus bulbocolli (Linkins, 1908) Van Cleave, 1919. British
Columbia. Bangham and Adams (1954).

CESTODA

PROTEOCEPHALIDAE

Proteocephalus primaverus Neiland, 1952. Washington. Neiland (1952).

Salmo clarki (continued)

Proteocephalus ambloplitis (Leidy, 1887) Benedict, 1900.

Pleurocercoïd. Washington. Becker (1967a).

Proteocephalus arcticus Cooper, 1921. British Columbia.

Wardle (1933b) [Species Inquirae - Freze (1965)].

Proteocephalus laruei Faust, 1920.. Immature. Wyoming. Digestive tracts. Bangham (1951).

Proteocephalus salmonidicola Alexander, 1951. British Columbia.

Bangham and Adams (1954); Washington. Intestines. Becker (1967a).

AMPHICOTYLIDAE

Eubothrium salvelini (Schrank, 1790) Nybelin, 1922. British Columbia.

Bangham and Adams (1954).

CYATHOCEPHALIDAE

Cyathocephalus sp. Washington. Neiland (1952).

DIPHYLLOBOTHRIDAE

Diphyllobothrium cordiceps (Leidy). Larva. Montana. Body cavities.

Simms and Shaw (1931) as Dibothrium c.

Diphyllobothrium sp. Larva. Washington. Becker and Brunson (1967).

COPEPODA

LERNAEOPODIDAE

Salmincola edwardsii (Olsson, 1869) Wilson, 1915. British Columbia.

Bere (1930a) as S. bicauliculata.

DIGENEA

ALLOCREADIIDAE

Crepidostomum farionis (Müller, 1784) Braun, 1900. Northern California. Gallbladders. Haderlie (1953); Wyoming. Heckmann (1971).

Crepidostomum cooperi Hopkins, 1931. Wyoming. Probably rectums. Hunninen and Hunter (1933) as C. fausti.

Crepidostomum transmarinum (Nicoll, 1909). North America. Hunninen and Hunter (1933).

Allocreadium lobatum Wallin, 1909. Wyoming. Bangham (1951).

DIPLOSTOMIDAE

Diplostomulum sp. British Columbia. Bangham and Adams (1954).

Neascus sp. British Columbia. Bangham and Adams (1954).

Posthodiplostomum minimum (MacCallum, 1921) Dubois, 1936. Larva. Wyoming. Bangham (1951).

CLINOSTOMIDAE

Clinostomum marginatum (Rudolphi, 1819). Metecercaria. Washington. Throughout bodies. Uzman and Douglass (1966).

HEMIURIDAE

Derogenes sp. Pratt and McCauley (1961).

Deropegus aspina (Ingles, 1936) McCauley and Pratt, 1961. Oregon. Stomachs. McCauley and Pratt (1961).

Salmo clarki (continued)

OPECOELIDAE

Plagioporous siliculus Sinitsin, 1931. Oregon. Sinitsin (1931).
Plagioporus shawi (McIntosh, 1939) Margolis, 1970. Yamaguti
 (1971) as Peracreadium s.

NANOPHYETIDAE

Nanophyetus salmincola (Chapin, 1926) Chapin, 1927. Metecercaria.
 Oregon. Simms, Donham, Shaw and McCapes (1931).

SANGUINICOLIDAE

Cardicola davis (Wales, 1958) Meade and Pratt, 1965. Oregon.
 Davis, Hoffman and Surber (1961) as Sanguinicola d.
Cardicola alseae Meade and Pratt, 1965. Oregon. Blood. Meade
 and Pratt (1965).
Cardicola klamathensis (Wales, 1958) Meade and Pratt, 1965.
 Oregon. Wales (1958) as Sanguinicola k.

HETEROPHYIDAE

Apophallus sp. Larva. Wyoming. Bangham (1951).

HIRUDINEA

PISCICOLIDAE

Piscicola salmositica Meyer, 1946. Wyoming. Fins. Heckmann (1971).
Myzobdella sp. Wyoming. Bangham (1951) as Illinobdella sp.

MOLLUSCA

UNIONIDAE

Margaretifera margaretifera (Gould). Glochidia. Wyoming. Bangham
 (1951).

MONOGENEA

TETRAONCIDAE

Tetraonchus alaskensis Price, 1937. Alaska. Gills. Price (1937).

GYRODACTYLIDAE

Gyrodactylus elegans Nordmann, 1832. Washington. Wood and Mizelle
 (1957).

NEMATODA

ANISAKIDAE

Contraecaecum sp. Larva. British Columbia. Bangham and Adams (1954).

SPIRUROIDEA

Salvelinema walkeri (Ekbaum, 1935) Margolis, 1967. Northern Califor-
 nia. Intestines. Haderlie (1953) as Cystidicola stigmatura.
Cystidicoloides tenuissima (Zeder, 1800) Rasheed, 1966. Wyoming.
 Bangham (1951) as Metabronema salvelini.
Cystidicoloides sp. Idaho. Fritts (1959).
Cystidicola harwoodi. Oregon. Shaw (1947) as Ascarophis harwoodi.
 Gen. and sp. Larva. Wyoming. Bangham (1951) as Agamospirya sp.
Rhabdochona cascadilla Wigdor, 1918. British Columbia. Bangham
 and Adams (1954).

Salmo clarki (continued)

Rhabdochona sp. Idaho. Fritts (1959).

PHILOMETRIDAE

Philonema onchorhynchi Kuitunen-Ekbaum, 1933. British Columbia. Bangham and Adams (1954).

Philometra sp. Oregon. Shaw (1947).

CUCULLANIDAE

Truttaedacnitis trutta (Fabricius, 1794) Petter, 1974. Oregon. Shaw (1947) as Cucullanus t.; Wyoming. Intestines, livers, mesenteries. Bangham (1951) as Bulbodacnitis scotti; British Columbia. Bangham and Adams (1954) as B. globosa.

DIOCTYOPHYMIDAE

Eustrongylides sp. Larva. Oregon. Muscles. Shaw, Simms and Muth (1934); British Columbia. Bangham and Adams (1954).

TRICHURIDAE

Capillaria catenata Van Cleave and Mueller, 1932. Idaho. Fritts (1959).
Capillaria bakeri (Mueller and Van Cleave, 1932) Freitas and Lent, 1935. Wyoming. Bangham (1951); British Columbia. Bangham and Adams (1954) both as Hepaticola b.

PROTOZOA (CILIOPHORA)

URCEOLARIIDAE

Trichodina truttae Davis, 1947. Oregon. Body surfaces. Davis (1947).
Trichodina sp. Wyoming. Gills. Heckmann (1971).

DENDROSOMIDAE

Trichophyra sp. Washington. Gills. Becker (1967a).

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Myxidium salvelini (Konovalov and Schulman, 1966). USSR. Urinary bladders. Schulman (1966).

Myxidium minteri Yasutake and Wood, 1957. Columbia River. Gall-bladders. Sanders and Fryer (1970).

CERATOMYXIDAE

Ceratomyxa shasta Noble, 1950. Oregon. Sanders, Fryer and Gould (1970).

PROTOZOA (SARCOMASTIGOPHORA)

TETRAMITIDAE

Costia necatrix. Hoffman (1967).

Costia pyriformis Davis, 1943. Wyoming. Gills. Heckmann (1971).

PROTOZOA (SPOROZOA)

ADELEIDAE

Haemogregarina sp. Wyoming. Blood. Heckmann (1971).

SALMONIDAE - Salmo gairdneri Rainbow Trout

SYNONYMS - Salmo gairdneri kamloops, Salmo gairdneri irideus, Salmo irideus, Salmo shasta

ACANTHOCEPHALA

ECHINORHYNCHIDAE

- Metechinorhynchus lateralis (Leidy, 1851) Golvan, 1969. Newfoundland. Intestines. Sandemann and Pippy (1967) as Echinorhynchus 1.
- Metechinorhynchus salmonis (Müller, 1784) Petrotschenko, 1956. Yugoslavia. Zitnan and Cankovic (1970); USSR. Intestines. Bykhovskaya-Pavlovskaya et al (1962).
- Metechinorhynchus truttae (Schrank, 1788) Petrotschenko, 1956. Yugoslavia. Zitnan and Cankovic (1970); Ireland. Intestines. Kane (1966); USSR. Bykhovskaya-Pavlovskaya et al (1962).
- Metechinorhynchus leidyi (Van Cleave, 1924) Golvan, 1969. Lake Huron, Canada-USA. Bangham (1944)
- Acanthocephalus echigoensis Fujita, 1920. Japan. Van Cleave (1931) as A. acerbus.
- Acanthocephalus anguillae (Müller, 1780) Lühe, 1911. USSR. Intestines. Bykhovskaya-Pavlovskaya et al (1962).
- Acanthocephalus jacksoni Bullock, 1962. New England. Bullock (1962).
- Pseudoechinorhynchus clavula (Dujardin, 1845) Petrotschenko, 1956. USSR. Petrushevski (1955) as Echinorhynchus c.

LEPTORHYNCHOIDIDAE

- Leptorhychoides thecatus (Linton, 1891) Kostylev, 1924. Golvan (1969).

NEOECHINORHYNCHIDAE

- Neoechinorhynchus rutili (Müller, 1780). Oregon. Intestines. Merritt and Pratt (1964).

RHADINORHYNCHIDAE

- Rhadinorhynchus sp. Sacramento-San Joaquin Delta, California. Intestines. Edwards and Nahhas (1968).

POMPHORHYNCHIDAE

- Pomphorhynchus laevis (Zoega in Müller, 1776) Van Cleave, 1924. Ireland. Rectums. Kane (1966); Yugoslavia. Zitnan and Cankovic (1970).
- Pomphorhynchus bulbocolli (Linkins, 1918) Van Cleave, 1919. British Columbia. Bangham and Adams (1954).

CESTODA

DIPHYLLOBOTHRIDAE

- Diphyllobothrium sp. Pleurocercoid. Alaska. Outer surfaces - stomachs, intestines. Needham and Behnke (1965); California. Haderlie (1953); Ireland. Chappell and Owens (1969).
- Diphyllobothrium cordiceps (Leidy). Pleurocercoid. Montana. Simms and Shaw (1931); Oregon. Shaw (1947).
- Diphyllobothrium latum (Linnaeus, 1758). USSR. Petrushevski (1955).

Salmo gairdneri (continued)

Diphyllbothrium dendriticum (Nitzsch, 1824) Pleuroceroid.
Europe. Chappell and Owen (1969).

Schistocephalus sp. Larva. British Columbia. Bangham and Adams
(1954).

Schistocephalus solidus (Müller, 1776) Steenstrup, 1857. Pleuro-
ceroid, Ireland. Chappell and Owen (1969).

Ligula intestinalis (Linnaeus, 1758). Larva. Hoffman (1967).

DIBOTHRIOCEPHALIDAE

Dibothriocephalus sp. Pleuroceroid. Newfoundland. Body cavities,
muscles, mesenteries, etc. Sandemann and Pippy (1967).

PHYLLOBOTHRIIDAE

Pelichnibothrium sp. Sacramento-San Joaquin Delta, California.
Edwards and Nahhas (1968).

TRIAENOPHORIDAE

Triaenophorus lucii (Müller, 1776). Pleuroceroid. USSR. Pet-
rushevski (1955) as T. nodulosus.

CYATHOCEPHALIDAE

Cyathocephalus truncatus (Pallas, 1781) Kessler, 1868. USSR.
Petrushevski (1955); France. Joyeux and Baer (1936).

PROTEOCEPHALIDAE

Proteocephalus ambloplitis (Leidy, 1887) Benedict, 1900. Pleuro-
ceroid. Washington. Becker (1967a).

Proteocephalus pinguis La Rue, 1911. Immature. Wisconsin.
Digestive tracts. Bangham (1944).

Proteocephalus longicollis (Zeder, 1800) Nufer, 1905. USSR.
Petrushevski (1955).

Proteocephalus salmonidicola Alexander, 1951. Oregon. Alexander
(1951); California. Intestines. Haderlie (1953); British Columbia.
Bangham and Adams (1954).

Proteocephalus sp. Idaho. Fritts (1959).

AMPHICOTYLIDAE

Eubothrium sp. Samish Lake, Washington. Intestines. Griffith
(1953).

Eubothrium crassum (Bloch, 1779) Nybelin, 1922. Ireland. In-
testines. Kane (1966).

Eubothrium salvelini (Schränk, 1790) Nybelin, 1922. British
Columbia. Bangham and Adams (1954); Newfoundland. Intestines.
Sandemann and Pippy (1967).

COPEPODA

LERNAEIDAE

Lerneae esocina (Burmeister, 1835). Poland. Under operculums, fins.
Kabata (1970a).

Lernaea cyprinacea Linnaeus, 1758. Oregon. Eyes. Uzmann and
Rayner (1958).

Salmo gairdneri (continued)

CALIGIDAE

Caligus clemensi Parker and Margolis, 1964. British Columbia.
Fraser (1920) as C. gurnardi.

Lepeophtheirus salmonis (Krøyer, 1838). British Columbia. Fraser
(1920).

ERGASILIDAE

Ergasilus nerkae Roberts, 1963. British Columbia. Bangham and
Adams (1954) as E. caeruleus.

Ergasilus sieboldi Nordmann, 1832. Poland. Hoffman (1967).

ARGULIDAE

Argulus pugettensis Dana, 1852. British Columbia. External.
Wilson (1912b).

LERNAEOPODIDAE

Salmincola californiensis (Dana, 1853) Kabata, 1969. Waddell
Creek, California; Oregon. Gills. Kabata (1969c).

Salmincola edwardsii (Olsson, 1869) Wilson, 1915. Northern
California. Kabata (1969c); British Columbia. Bangham and
Adams (1954).

DIGenea

OPECOELIDAE

Plagioporus shawi (McIntosh, 1939) Margolis, 1970. Oregon. Intestines.
McIntosh (1939); Washington. Griffith (1953) both as Podocotyle s.

Plagioporus augusticolle (Hausmann, 1896) Dobrovolsky, 1939. Wash-
ington. Intestines. Becker (1967a); Northern California. In-
testines. Haderlie (1953).

Crowcrocoecum testiobliquum Wisniewski, 1933. Yugoslavia. Zitan
and Cankovic (1970) [= Nicolla I. - Yamaguti (1971)].

SANGUINICOLIDAE

Cardicola davisii (Wales, 1958) Meade and Pratt, 1965. California.
Blood vessels of gills. Wales (1958); Oregon. Davis, Hoffman
and Surber (1961) both as Sanguinicola d.

Cardicola alseae Meade and Pratt, 1965. Oregon. Vascular systems.
Meade and Pratt (1965).

Sanguinicola idahoensis Schell, 1974. Idaho. Blood vessels, eyes,
brain surfaces. Schell (1974).

ALLOCREADIIDAE

Crepidostomum metoecus (Braun, 1900) Braun, 1900. Yugoslavia.
Rukavina and Delic (1965).

Crepidostomum canadense Hopkins, 1931. Oregon. Shaw (1947) as
C. laureatum.

Crepidostomum cooperi Hopkins, 1931. Oregon. Shaw (1933).

Crepidostomum farionis (Müller, 1784) Braun, 1900. Oregon. Shaw
(1947); British Columbia. Bangham and Adams (1954); USSR. Pet-
rushevski (1955); California. Intestines, pyloric caeca. Haderlie
(1953); Newfoundland. Sandemann and Pippy (1967).

Salmo gairdneri (continued)

Allocreadium lobatum Wallin, 1909. British Columbia. Bangham and Adams (1954).

HEMIURIDAE

Aponurus sp. Oregon. Shaw (1947).

Deropegus aspina (Ingles, 1936) McCauley and Pratt, 1961. Oregon. Stomachs. McCauley and Pratt (1961).

Derogenes sp. Shaw (1947).

AZYGIIDAE

Azygia lucii (Müller, 1776). Yugoslavia. Zitnan and Cankovic (1970).

STEGANODERMATIDAE

Pseudochetosoma salmonicola Dollfus, 1951. Bulgaria. Gallbladders. Kakatcheva-Avramova (1966).

NANOPHYETIDAE

Nanophyetus salminicola (Chapin, 1926) Chapin, 1927. Metacercaria. Oregon. Simms, Donham, Shaw and McCapes (1931).

DIPLOSTOMIDAE

Diplostomum spathaceum (Rudolphi, 1819). Metacercaria. Europe. Chappell and Owen (1969); Finland. Eyes. Tiainen (1966).

Diplostomum flexicaudum (Cort and Brooks, 1928) Van Haitsma, 1931. Metacercaria. Washington. Eyes. Becker (1967a).

ECHINOSTOMATIDAE

Echinochasmus milvi Yamaguti, 1939. Metacercaria. Washington. Gill tissues. Uzman and Hayduk (1964).

STRIGEIDAE

Cotylurus erraticus (Rudolphi, 1809) Szidat, 1928. Metacercaria. Europe and North America. Pericardial cavities. Wooten (1973).

CLINOSTOMIDAE

Clinostomum marginatum (Rudolphi, 1819). Metacercaria. Washington. Throughout bodies. Uzman and Douglas (1966); California. Haderlie (1953).

GORGODERIDAE

Phyllodistomum lachancei Choquette, 1947. Hoffman (1967).

FUNGUS

SAPROLEGNACEAE

USSR. Petrushevski (1955).

HIRUDINEA

PISCICOLIDAE

Piscicola salmositica Meyer, 1946. Washington. Pectoral and pelvic fins, gill lamellae. Becker and Katz (1965a); California. Meyer (1946).

Piscicola geometra (Linnaeus, 1761). USSR. Petrushevski (1955).

Salmo gairdneri (continued)

Myzobdella sp. British Columbia. Bangham and Adams (1954) as Illinobdella sp.

MOLLUSCA

UNIONIDAE

Margaretifera margaretifera (Gould), Glochidia. California. Gills. Davis (1953).

MONOGENEA

GYRODACTYLIDAE

Gyrodactylus elegans Nordmann, 1832. California. Gills, skins. Haderlie (1953); Washington. Wood and Mizelle (1957).

Gyrodactylus colemanensis Mizelle and Kritsky, 1967. Shasta. Mendocino, California. Skins. Mizelle and Kritsky (1967c).

Gyrodactylus salaris Malmberg, 1956. Yugoslavia. Zitnan and Cankovic (1970).

Gyrodactylus brevis Crane and Mizelle, 1967. Navarro River, California. Skins. Crane and Mizelle (1967).

DISCOCOTYLIDAE

Discocotyle salmonis Schaffer, 1916. Long Island. Gills. Shaffer (1916).

Discocotyle sagittata (Leuckart, 1842) Diesing, 1850. Europe. Gills. Chappell and Owen (1969).

NEMATODA

ANISAKIDAE

Goezia ascaroides (Goeze, 1782). France. Dollfus (1935a); USSR. Bykhovskaya-Pavlovskaya et al (1962).

Raphidascaris acus (Bloch, 1779). Italy. Hoffman (1967).

Contraecaecum spiculigerum (Rudolphi, 1809). Larva. Northern California. Mesenteries, peritoneums, stomach walls. Haderlie (1953); Oregon. Stomachs, intestines. Shaw (1947).

Contraecaecum sp. Larva. New Zealand. Stomachs. Hewitt and Hine (1972).

TRICHURIDAE

Capillaria salvelini Poljansky, 1952. Yugoslavia. Zitnan and Cankovic (1970).

Capillaria bakeri (Mueller and Van Cleave, 1932) Freitas and Lent, 1935. British Columbia. Bangham and Adams (1954) as Hepaticola b.

PHILOMETRIDAE

Philometra sp. Oregon. Shaw (1947).

Philonema oncorhynchi Kuitunen-Ekbaum, 1933. Body cavities. Meyer (1960); Northern California. Haderlie (1953); Larva. British Columbia. Bangham and Adams (1954).

Philonema agubernaculum Simon and Simon, 1936. Wyoming. Body cavities. Simon and Simon (1936) [= Philonema oncorhynchi - Baylis (1936)].

Philonema sp. Alaska. Needham and Behnke (1965); Larva. Washington. Abdominal cavities. Becker (1967a).

Salmo gairdneri (continued)

SPIRUROIDEA

- Cystidicoloides tenuissima (Zeder, 1800) Rasheed, 1966. British Columbia. Bangham and Adams (1954) as Metabronema salvelini; Northern California. Haderlie (1953) as Metabronema salvelini; Yugoslavia. Rukavina and Delic (1965) as Sterliadochona t.
Cystidicola harwoodi. Hoffman (1967).
Cystidicola farionis Fischer, 1798. USSR. Zitnan (1968); Ireland. Chappell and Owen (1969).
Metabronema truttae Baylis, 1935. USSR. Stomachs. Zitnan (1968).
Sterliadochona pedispicula Maggenti and Paxman, 1971. Tuolumne, California. Stomachs and esophagus. Maggenti and Paxman (1971).
Salvelinema walkeri (Ekbaum, 1935) Margolis, 1967. British Columbia. Bangham and Adams (1954) as Cystidicola stigmatura.
Rhabdochona cascadilla Wigdor, 1918. British Columbia. Bangham and Adams (1954).
Rhabdochona denudata (Dujardin, 1845) Railliet, 1916. USSR. Bykhovskaya-Pavlovskaya et al (1962).
Spinitectus gracilis Ward and Magath, 1917. Hoffman (1967).

SPIRURIDAE

- Ascarophis skrjabini (Layman, 1933) Poljansky, 1952. USSR. Intestines. Bykhovskaya-Pavlovskaya et al (1962).

CAMALLANIDAE

- Camallanus lacustris Zoega, 1776. USSR. Petrushevski (1955); Ireland. Kane (1966).

DIOCTYOPHYMIDAE

- Eustrongylides sp. Larva. New Zealand. Stomachs, mesenteries, intestines. Hewitt and Hine (1972).

CUCULLANIDAE

- Bulbodacnitis ampullastoma Maggenti, 1971. Mono County, California. Pyloric caeca, duodenum. Maggenti (1971).
Truttaedacnitis trutta (Fabricius, 1794) Petter, 1974. Oregon. Shaw (1947) as Cucullanus t. and C. globosus; British Columbia. Bangham and Adams (1954) as Bulbodacnitis globosa; California. Haderlie (1953) as Bulbodacnitis occidentalis.

PROTOZOA (CILIOPHORA)

DENDROSOMIDAE

- Trichophyra piscium Bütschli, 1889. Newfoundland. Gills. Sandemann and Pippy (1967).
Trichophyra sp. Washington. Gills. Becker (1967a).

SCYPHIDIIDAE

- Scyphidia sp. Washington. Gills. Becker (1967a).

URCEOLARIIDAE

- Trichodina salmincola Wellborn, 1967. North Carolina. Fins, body surfaces. Wellborn (1967).
Trichodina fultani Davis, 1947. West Virginia. Body surfaces, fins, gills. Davis (1947).
Trichodina domerguei. USSR. Petrushevski (1955).

Salmo gairdneri (continued)

CHLAMYDODONTIDAE

Chilodonella cyprini (Moroff). USSR. Petrushevski (1955).

OPHRYOGLLENIDAE

Ichthyophthirius multifiliis Fouquet. USSR. Petrushevski (1955); Yugoslavia. Zitnan and Cankovic (1970).

PROTOZOA (MICROSPORIDA)

NOSEMATIDAE

Plistophora sp. Northern California, British Columbia. Gills. Wales and Wolf (1955).

Plistophora salmonae Putz, Hoffman and Dunbar, 1965. California. Gills. Putz, Hoffman and Dunbar (1965).

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Myxidium minteri Yasutake and Wood, 1957. Oregon. Renal tubules. Yasutake and Wood (1957); Oregon. Gallbladders. Sanders and Fryer (1970).

Myxidium oviforme Parisi, 1912. California. Gallbladders. Jameson (1931).

Zschokkella nova Klokacawa, 1914. USSR. Petrushevski (1955).

CHLOROMYXIDAE

Chloromyxum majori Yasutake and Wood, 1957. Washington. Glomerulus. Yasutake and Wood (1957).

Chloromyxum truttae Léger, 1961. USSR. Petrushevski (1955).

MYXOBOLIDAE

Myxobolus kisutchi Yasutake and Wood, 1957. Oregon. Epidermal scales. Yasutake and Woods (1957).

MYXOSOMATIDAE

Myxosoma squamalis Iverson, 1954. Washington. Body surfaces. Iverson (1954).

Myxosoma cerebralis (Hofer, 1903). New Zealand. Cartilage of heads. Hewitt and Hine (1972); USSR. Petrushevski (1955).

CERATOMYXIDAE

Ceratomyxa shasta Noble, 1950. California. Viscera. Noble (1950).

PROTOZOA (SARCOMASTIGOPHORA)

CRYPTOBIIDAE

Cryptobia salmositica Katz, 1951. Washington. Blood. Becker and Katz (1965b).

Cryptobia borreli (Laveran and Mesnil, 1901). Northern California. Blood. Wales and Wolf (1955).

Salmo gairdneri (continued)

TETRAMITIDAE

Costia pyriformis Davis, 1943. West Virginia. Gills. Davis (1943).
Costia necatrix (Henneguy). USSR. Petrushevski (1955); Yugoslavia.
 Zitnan and Cankovic (1970).

THECAMOEBIDAE

Thecamoeba hoffmani Sawyer, Hnath and Conrad, 1974. Michigan.
 Gills. Sawyer, Hnath and Conrad (1974).
Schizamoeba salmonis Davis, 1925. West Virginia. Stomachs. Davis
 (1925).

HEXAMITIDAE

Hexamita salmonis (Moore, 1922). USA. Intestines. Davis (1923)
 as Octomitus s.
Octomitus truttae Schmidt, 1920. USSR. Intestines. Bykhovskaya-
 Pavlovskaya et al (1962); Yugoslavia. Zitnan and Cankovic (1970).

SCOMBRIDAE - Sarda chiliensis Pacific Bonito

SYNONYM - Sarda lineolata

CESTODA

DIPHYLLOBOTHRIDAE

Diphyllobothrium sp. Pleurocercoid. Peru. Cyst in body cavities.
 Baer (1969).

COPEPODA

CALIGIDAE

Caligus bonito Wilson, 1905. Panama Bay. Exteriors. Wilson (1937a);
 San Diego, California. Shiino (1960c); Mexico. Mouths. Causey
 (1960).

Caligus mutabilis Wilson, 1905. Acapulco, Mexico. Causey (1960).

PSEUDOCYCNIDAE

Pseudocycnus appendiculatus Heller, 1865. Acapulco, Mexico. Causey
 (1960).

MONOGENEA

CAPSALIDAE

Caballerocotyla gregalis Wagner and Carter, 1967. Newport Beach,
 California. Gills. Wagner and Carter (1967).

HEXOSTOMATIDAE

Hexostoma sp. Eastern Pacific. Kunnenkeri and Martin (1963).

Sarda chiliensis (continued)

MAZOCRAEIDAE

Grubea sp. West coast of Baja California. Gills, Wagner (1975).

CLUPEIDAE - Sardinops sagax caeruleus Pacific Sardine

Citations with an asterisk are from Sardinops sagax melanosticta, a possible sub-species.

CESTODA

TETRAPHYLLIDEA

Gen. and sp. Red pigmented pleurocercoid. Southern California. Intestines, pyloric caeca. Kunnenkeri (1962).

DIGenea

HEMIURIDAE

Parahemiurus merus (Linton, 1910) Woolcock, 1935. Monterey Bay, California. Intestines. Nahhas (1960).

Parahemiurus noblei King, 1962. Baja California, Mexico. Intestines. King (1962).

Myosaccium ecaude Montgomery, 1957. California. Kunnenkeri (1962).

NEMATODA

ANISAKIDAE

Anisakis sp. Not clear if larva or adult. California. Kunnenkeri (1962).

Contracaecum sp. Not clear if larva or adult. California. Kunnenkeri. (1962).

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

*Ceratomyxa orientalis (Dogiel, 1948) Shulman, 1953. USSR. Gallbladders. Kudo and Meglitsch (in preparation).

*Ceratomyxa filiformis Dogiel, 1948. USSR. Gallbladders. Kudo and Meglitsch (in preparation).

SCOMBRIDAE - Scomber japonicus Pacific Mackerel

SYNONYMS - Pneumatophorus japonicus, Pneumatophorus grex, Scomber colias, Scomber diego

Scomber japonicus (continued)

ACANTHOCEPHALA

RHADINORHYNCHIDAE

- Rhadinorhynchus lintoni Cable and Linderoth, 1963. Europe.
Golvan (1969).
- Rhadinorhynchus cadenati (Golvan and Houin, 1964) Golvan, 1969.
Senegal. Golvan (1969).
- Rhadinorhynchus pristis (Rudolphi, 1802) Luhe, 1911. Sea of
Japan. Intestines. Zhukov (1960a).
- Rhadinorhynchus japonicus Fujita, 1920. Japan. Intestines.
Fujita (1920).
- Rhadinorhynchus seriolae (Yamaguti, 1963) Golvan, 1969. Japan.
Intestines. Ichihara, Kato, Kamegai and Machida (1968) as
Nipporhynchus s.

POLYMORPHIDAE

- Bolbosoma sp. Japan. Intestines. Ichihara, Kato, Kamegai and
Machida (1968).

CESTODA

TENTACULARIIDAE

- Nybelinia surmenicola Okada, 1929. Larva. Sea of Japan. Mesenteries.
Zhukov (1960).
- Nybelinia sp. Larva. South Atlantic. Body cavities. Solonchenko
(1968).
- Tentacularia coryphaenae Bosc, 1802. Postlarva. Japan. Muscles,
sides of stomachs. Dollfus (1942).

BOTHRIOCEPHALIDAE

- Bothriocephalus sp. Pleuroceroid. Massachusetts. Intestines.
Linton (1941).

PHYLLOBOTHRIDAE

- Rhinebothrium flexile Linton, 1890. Larva. Massachusetts.
Viscera. Linton (1924).

TETRAPHYLLIDEA

- Scolex pleuronectis Müller, 1788. South Atlantic. Intestinal tracts.
Solonchenko (1968); Sea of Japan. Intestines. Zhukov (1960a).

TRYPANORHYNCHA

- Gen and sp. Pleurocerus larva. California. Stomachs, intestines,
caeca, mesenteries, abdominal cavities. Dailey (1969a).
- Gen. and sp. Larva. South Atlantic. Intestines. Solonchenko (1968).

PSEUDOPHYLLIDEA

- Gen. and sp. Pleuroceroid larva. California. Mesenteries.
Dailey (1969a).

Scomber japonicus (continued)

COPEPODA

LERNAEIDAE

Lernaeenicus inflexus Steenstrup and Lütken, 1861. Richiardi (1877).

Lerneocera branchialis (Linnaeus, 1767). Juveniles. Pacific. Kabata (1960).

LERNAEOPODIDAE

Clavellopsis saba Yamaguti, 1939. Japan. Gills. Yamaguti (1939c).

Clavellisa scombri (Kurz, 1877) Wilson, 1915. Japan. Gills. Yamaguti (1939c), South Atlantic. Gills. Solonchenko (1968) as Clavella s.

CALIGIDAE

Caligus pelamydis Krøyer, 1863. Pacific. Gills. Kazachenko, Korataeva and Kurochkin (1972).

DIGenea

ACANTHOCOLPIDAE

Stephanostomum tristenphanum McFarlane, 1936. Sea of Japan. Intestines. Zhukov (1960a).

Acanthocolpoides pauloi Travassos, Freitas and Bührnheim, 1965. Brazil. Intestines. Travassos, Freitas and Bührnheim (1969).

DIDYMOZOIDAE

Didymozoon longicolle Ishii, 1935. Pacific Coast of Japan. Gills. Ishii (1935).

Didymozoon sp. Massachusetts. Gills. Linton (1940).

Nematobothrium filliforme Yamaguti, 1934. Japan, Hawaii. Gills. Yamaguti (1934a); South Atlantic. Solonchenko (1968).

Nematobothrium robustum Yamaguti, 1970. Hawaii. Inner surface of operculums. Yamaguti (1970).

Nematobothrium scombrii (Taschenberg, 1879) Ishii, 1935. Japan. Gills. Ishii (1935).

Allonematobothrioides scombri Yamaguti, 1970. Hawaii. Esophagus, gill arches. Yamaguti (1970).

LEPOCREADIIDAE

Lepocreadium scombri (Yamaguti, 1938) Ching, 1960. Japan. Intestines. Yamaguti (1938a) as Opechona s.

Lepocreadium ghanensis Fischthal and Thomas, 1970. Ghana. Small intestines. Fischthal and Thomas (1970a).

Neolepidapedon retrusum (Linton, 1940) Sogandares-Bernal and Hutton, 1960. Massachusetts. Linton (1940) as Lepocreadium r.

Cephalolepidapedon saba Yamaguti, 1970. Hawaii. Intestines. Yamaguti (1970).

Opechona olssoni (Yamaguti, 1934) Yamaguti, 1938. Japan. Stomachs, pyloric caeca, intestines. Ichihara, Kato, Kamegai and Machida (1968).

Scomber japonicus (continued)

- Opechona orientalis (Layman, 1930) Ward and Fillingham, 1934. Monterey Bay, California. Chapa (1969); South Atlantic. Solonchenko (1968); Immature. Japan. Stomachs, intestines, pyloric caeca. Ichihara, Kato, Kamegai and Machida (1968).
Opechona bacillaris (Molin, 1859) Looss, 1907. Ghana. Small intestines. Fischthal and Thomas (1970a); Sea of Japan. Zhukov (1960a).

HEMIURIDAE

- Lecithocladium excisum (Rudolphi, 1819) Lühe, 1901. Japan. Stomachs. Yamaguti (1934); Triest. Looss (1907a); South Atlantic. Solonchenko (1968).
Ectenurus lepidus Looss, 1907. Mediterranean. Looss (1907a).
Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. Sea of Japan. Intestines. Zhukov (1960a).
Dinurus scombri Yamaguti, 1934. Japan. Stomachs. Yamaguti (1934a).
Lecithochirium magnaporum Manter, 1940. La Jolla, California. Stomachs. Montgomery (1957).
Lecithocladium harpodontis Srivastava, 1942. Brazil. Stomachs, intestines. Travassos, Freitas and Kohn (1969).
 Gen. and sp. California. Intestines. Dailey (1969a).

COITOCAECIDAE

- Nicolla extrema Travassos, Freitas and Bührnheim, 1965. Brazil. Intestines. Travassos, Freitas, and Kohn (1969) [=Coitocaecum e. - Yamaguti (1971)].

FELLODISTOMIDAE

- Tergestia laticollis (Rudolphi, 1819) Stossich, 1899. Florida. Yamaguti (1971); Japan. Small intestines. Yamaguti (1934a).
Tergestia acanthocephala (Stossich, 1887) Stossich, 1899. Yamaguti (1971).

MONOGENEA

MAZOCRAEIDAE

- Kuhnia minor (Goto, 1894) Sproston, 1946. Mediterranean, Massachusetts, Japan, USSR. Gills. Sproston (1946).
Kuhnia scombri (Kuhn, 1829) Sproston, 1945. Japan. Gills. Ichihara, Kato, Kamegai and Machida (1968); Hawaii. Gills. Yamaguti (1968b); South Atlantic. Solonchenko (1968).
Grubea pneumatophori Price, 1961. Massachusetts. Gills. Linton (1940) as Pleurocotyle scombri.
Grubea cochlear Diesing, 1858. South Atlantic. Gills. Solonchenko (1968).

DACTYLOGYRIDAE

- Microncotrematoides inversum (Goto and Kikuchi, 1917) Yamaguti, 1963. Japan. Gills. Ishii and Sawada (1938) as Dactylogyrus i.

GASTROCOTYLIDAE

- Gastrocotyle japonica Ishii and Sawada, 1938. Japan. Ishii and Sawada (1938).

Scomber japonicus (continued)

NEMATODA

ANISAKIDAE

- Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Sea of Japan. Intestines. Zhukov (1960a) as Contracaecum a.
- Contracaecum fabri (Rudolphi, 1819). Sea of Japan. Intestines. Zhukov (1960a) [Probably should be Thynnascaris f.]
- Contracaecum saba Yamaguti, 1941. Japan. Yamaguti (1941). [Should probably be Thynnascaris s.]
- Contracaecum sp. Larva. California. Mesenteries. Dailey (1969b); Japan. Kagei, Sakaguchi, Katamine and Ikeda (1970); South Atlantic. Solonchenko (1968).
- Anisakis sp. Larva. California. All parts of body. Dailey (1969a); Japan. Saito, Kitayama and Tankawa (1970); Mediterranean. Nikolaeva and Naidemova (1964); South Atlantic. Solonchenko (1968).
- Terranova sp. Larva. California. Intestinal walls, abdominal cavities. Dailey (1969a); South Atlantic. Solonchenko (1968) as Porrocaecum sp.
- Raphidascaris sp. Immature. California. Mesenteric tissue surrounding stomachs. Dailey (1969a).

TRICHURIDAE

- Capillaria sp. Eggs. Japan. Livers. Margolis (1970a).

CAMALLANIDAE

- Camallanus melanocephalus (Rudolphi, 1819). South Atlantic. Intestines. Solonchenko (1968).

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

- Ceratomyxa inconstans Jameson, 1929. Monterey, California. Gall-bladders. Jameson (1929).

PROTOZOA (SPOROZOA)

EIMERIIDAE

- Eimeria pneumatophori Dogiel, 1948 Peter the Great Gulf, USSR. Livers. Pellerdy (1965).

SCOMBRIDAE - Scomberomorus sierra Sierra

COPEPODA

CALIGIDAE

- Caligus mutabilis Wilson, 1905. Mazatlan, Mexico. Causey (1960).

PSEUDOCYCNIDAE

- Pseudocycnus buccatus Wilson, 1922. Puerto Penasco, Mexico. Causey (1960).

Scomberomorus sierra (continued)

CALIGIDAE

Caligus productus Dana, 1853. Guaymas, Mexico. Causey (1960).

DIGenea

BUCEPHALIDAE

Bucephalus heterotentaculatus Bravo-Hollis and Sogandares-Bernal, 1956. Mexico. Intestines. Bravo-Hollis and Sogandares-Bernal (1956).
Bucephalopsis cybii Park, 1939. Mexico. Intestines. Yamaguti (1971) quoting Bravo-Hollis and Sogandares-Bernal. Yamaguti does not feel that the trematode identified by Bravo-Hollis and Sogandares-Bernal is B. cybii.

HEMIURIDAE

Lecithochirium microstomum Chandler, 1935. Mexico. Stomachs.
 Lamothe-Argumedo (1966).

MELAMPHAIDAE - Scopelogadus mizolepis bispinosus

DIGenea

HEMIURIDAE

Gen. and sp. Santa Cruz Basin, California. Mouths, hearts, stomachs.
 Collard (1968).

COTTIDAE - Scorpaenichthys marmoratus Cabezon

COPEPODA

CHONDRACANTHIDAE

Chondracanthus pinguis Wilson, 1912. British Columbia. Fraser (1920).

Chondracanthus gracilis Fraser, 1920. British Columbia. Inner surface of operculums. Kabata (1968); Fraser (1920).

CALIGIDAE

Caligus hobsoni Cressey, 1969. La Jolla, California. Hobson (1971).
Lepeophtheirus parviventris Wilson, 1905. British Columbia.
 Fraser (1920); good drawing Kabata (1973).

BOMOLOCHIDAE

Holobomolochus venustus Kabata, 1971. British Columbia. Nasal cavities. Kabata (1971).

DIGenea

OPECOELIDAE

Podocotyle enophrysi Park, 1937. Dillon Beach, California. Intestines, caeca. Edmiston (1971).

Scorpaenichthys marmoratus (continued)

Podocotyle sp. Dillon Beach, California. Intestines. Edmiston (1971).

Podocotyle californica Park, 1937. Dillon Beach, California.

Intestines, caeca. Edmiston (1971).

Helicometrina nimia Linton, 1910. Malibu, California. Intestines.

Winter (1959); Dillon Beach, California. Gale (1947).

Genitocotyle acirra Park, 1937. Oregon. Pratt (1970).

HEMIURIDAE

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. British Columbia. Intestines. McFarlane (1936) as Dinurus nanaimoensis.

Genolinea laticauda Manter, 1925. British Columbia. McFarlane (1936); Washington. Stomachs. Lloyd (1938) as G. robusta; Monterey Bay, California. Nahhas (1960).

BUCEPHALIDAE

Prosorhynchus scapellus McFarlane, 1936. British Columbia. Pyloric caeca. McFarlane (1936); Monterey Bay, California. Stomachs, intestines. Chapa (1969).

ISOPODA

Gen. and sp. Gnathiid larva. La Jolla, California. Body surfaces. Hobson (1971).

CYMOTHOIDAE

Livoneca vulgaris Stimpson, 1857. Avila Beach, California. Gill operculums. Moser (1975).

NEMATODA

SPIRUROIDEA

Metabronema wardlei Smedley, 1934. Canada. Intestines. Smedley (1934) "not Metabronema" Margolis (1974).

PROTOZOA (SPOROZOA)

EIMERIIDAE

Eimeria sp. Avila Beach, California. Intestines. Moser (1975).

SCORPAENIDAE - Scorpaena guttata Spotted Scorpion Fish

COPEPODA

CHONDRACANTHIDAE

Pseudodiocus scorpaenus Ho, 1972. La Jolla, California. Gill cavities. Ho (1972b).

Chondracanthus gracilis Fraser, 1920. Pacific Grove, California. Gills. Wilson (1935b).

CALIGIDAE

Lepeophtheirus pravipes Wilson, 1912. Pacific Grove, California. Exteriors. Wilson (1935b).

Lepeophtheirus brachyurus Heller, 1865. La Jolla, California. Exteriors. Wilson (1908a).

Scorpaena guttata (continued)

BOMOLOCHIDAE

Holobomolochus spinulus (Cressey, 1969) Kabata, 1971. La Jolla, California. Gill cavities. Cressey (1969b).

Holobomolochus attenuatus (Wilson, 1913) Vervoort, 1969. Puerto Penasco, Mexico. Causey (1960) as Bomolochus a.

DIGenea

OPECOELIDAE

Helicometrina elongata Noble and Park, 1937. La Jolla, California. Intestines. Montgomery (1957).

BUCEPHALIDAE

Bucephalus scorpaenae Manter, 1940. Orange County, California. Intestines. Winter (1959).

ISOPODA

CYMOTHOIDAE

Nerocila californica Schioedte and Meinert, 1881. California. Fins. Richardson (1905).

MONOGENEA

CAPSALIDAE

Trochopus sprostoni Arai and Koski, 1964. Santa Catalina Channel, California. Gills. Arai and Koski (1964).

TROCHOPODINAE

Gen. and sp. Eastern Pacific Ocean. Kunnenkeri and Martin (1963).

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Ceratomyxa hopkinsi Jameson, 1929. Southern California. Gallbladders. Jensen (1975).

MYXIDIIDAE

Myxidium incurvatum Thelohan, 1892. Southern California. Gallbladders. Jensen (1975).

SCORPAENIDAE - Sebastes sp.

SYNONYMS - Sebastodes sp., Sebastodis sp.

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus occidentalis (Linton, 1898) Lühe, 1899. British Columbia. Pyloric caeca. Wardle (1932).

Sebastes sp. (continued)

COPEPODA

CALIGIDAE

Caligus clemensi Parker and Margolis, 1964. British Columbia.
Fraser (1920) as C. gurnardi.

DIGenea

LEPOCREADIIDAE

Opechona orientalis (Layman, 1930) Ward and Fillingham, 1934.
Monterey Bay, California. Intestines. Chapa (1969).

Opechona bacillaris (Molin, 1859) Looss, 1907. British Columbia.
McFarlane (1936) as Pharyngora b.

Opechona occidentalis Montgomery, 1957. British Columbia. In-
testines. McFarlane (1936); Monterey Bay, California. Intestines.
Chapa (1969).

HEMIURIDAE

Sterrhurus monticelli (Linton, 1898) Linton, 1910. Monterey Bay,
California. Stomachs. Nahhas (1960).

MONORCHIIDAE

Telolecithus puggetensis Lloyd and Guberlet, 1932. Tomales Bay.
California. Intestines. Chapa (1969).

OPECOELIDAE

Podocotyle abitionis McFarlane, 1936. British Columbia. Intestines.
McFarlane (1936).

Opecoelus noblei Banerjee, 1965. Monterey Bay, California. In-
testines. Banerjee (1965).

ZOOGONIDAE

Deretrema pooli Annereaux, 1947. Santa Cruz, California. In-
testines, bile ducts. Chapa (1969).

Deretrema cholaeum McFarlane, 1936. British Columbia. Gallbladders.
McFarlane (1936).

SANGUINICOLIDAE

Aporocotyle macfarloni Holmes, 1971. British Columbia. McFarlane
(1936) as A. simplex

ACANTHOCOLPIDAE

Stephanostomum casum (Linton, 1910) McFarlane, 1934. British
Columbia. McFarlane (1936).

SCORPAENIDAE - Sebastes aleutianus Roughey Rockfish

ACANTHOCEPHALA

POLYMORPHIDAE

Corynosoma sp. Larva. Northeastern Pacific. Mesenteries. Sekerak (1975).

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808. Northeastern Pacific. Pyloric caeca. Sekerak (1975).

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Larva. Northeastern Pacific. Stomach walls, mesenteries. Sekerak (1975).

COPEPODA

NAOBRANCHIIDAE

Naobranchia occidentalis Wilson, 1915. Northeastern Pacific. Gill filaments. Sekerak (1975).

PHILICHTHYIDAE

Sarcotaces arcticus Collett, 1874. Northeastern Pacific. Body cavities. Sekerak (1975).

Colobomatus kyphosus Sekerak, 1970. Northeastern Pacific. Cephalic canals. Sekerak (1975).

CHONDRACANTHIDAE

Chondracanthus pinguis Wilson, 1912. Northeastern Pacific. Gills. Sekerak (1975).

Chondracanthus triventricosus Sekerak, 1970. Northeastern Pacific. Nasal cavities. Sekerak (1975).

LERNAEOPODIDAE

Brachiella robusta (Wilson, 1912) Kabata, 1970. Northeastern Pacific. Gillrakers. Sekerak (1975).

Clavella parva Wilson, 1912. Northeastern Pacific. Fins. Sekerak (1975).

DIGenea

SYNCOELIDAE

Syncoelium filiferum (Leuckart in Sars, 1885) Looss, 1899. Northeastern Pacific. Gills. Sekerak (1975).

ACANTHOCOLPIDAE

Stephanostomum dentatum (Linton, 1900) Linton, 1940. Northeastern Pacific. Intestines. Sekerak (1975).

FELLODISTOMIDAE

Fellodistomum sebastodis Yamaguti and Matumura, 1942. Northeastern Pacific. Gallbladders. Sekerak (1975).

Sebastes aleutianus (continued)

LEPOCREADIIDAE

Opechona alaskensis Ward and Fillingham, 1934. Northeastern Pacific. Intestines. Sekerak (1975).

Neolepidapedon sebastisci (Yamaguti, 1938) Manter, 1954. Northeastern Pacific. Pyloric caeca. Sekerak (1975).

HEMIURIDAE

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Northeastern Pacific. Stomachs. Sekerak (1975).

Deroegenes varicus (Müller, 1784) Looss, 1901. Northeastern Pacific. Stomachs. Sekerak (1975).

Lecithophyllum botryophorum (Olsson, 1868) Odhner, 1905. Northeastern Pacific. Stomachs. Sekerak (1975).

OPECOELIDAE

Neohelicometra sebastis Sekerak and Arai, 1974. Northeastern Pacific. Pyloric caeca. Intestines. Sekerak and Arai (1974).

Podocotyle sp. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

BUCEPHALIDAE

Prosorhynchus crucibulum (Rudolphi, 1819) Odhner, 1905. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

SANGUINICOLIDAE

Psettarium sebastodorum Holmes, 1971. Northeastern Pacific. Hearts. Sekerak (1975).

ZOOGONIDAE

Steganoderma formosum Stafford, 1904. Northeastern Pacific. Intestines. Sekerak (1975).

-SEE ADDENDUM

SCORPAENIDAE - Sebastes alutus Pacific Ocean Perch

SYNONYM - Sebastodes alutus

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. Northeastern Pacific. Intestines. Sekerak (1975).

POLYMORPHIDAE

Corynosoma villosum Van Cleave, 1953. Cystacanth. Northeastern Pacific. Mesenteries. Sekerak and Arai (1973).

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus sp. Larva. British Columbia. Arai (1969b).

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808. Northeastern Pacific. Pyloric caeca. Sekerak and Arai (1973).

Sebastes alutus (continued)

PHYLLOBOTHRIIDAE

Phyllobothrium sp. Larva. Northeastern Pacific. Gallbladders, intestines. Sekerak and Arai (1973).

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Larva. Northeastern Pacific. Stomach walls, mesenteries. Sekerak and Arai (1973).

COPEPODA

LERNAEOCERIDAE

Haemobaphes theragrae Yamaguti, 1939. Northeastern Pacific. Gills. Sekerak (1975).

Haemobaphes sp. Oregon. Gill arches. Millemann (1970).

NAOBRANCHIIDAE

Naobranchia occidentalis Wilson, 1915. Northeastern Pacific. Gill filaments. Sekerak (1975).

LERNAEPODIDAE

Clavella parva Wilson, 1912. British Columbia. Fins. Sekerak (1970).

Brachiella robusta (Wilson, 1912) Kabata, 1970. British Columbia. Kabata (1970c); Oregon. Gills. Sekerak (1970).

Clavellopsis sp. Oregon. Gills. Millemann (1970).

CHONDRACANTHIDAE

Chondracanthus pinguis Wilson, 1912. British Columbia. Gill cavities. Kabata (1968); Oregon. Sekerak (1970).

Chondracanthus triventricosus Sekerak, 1970. British Columbia. Nasal cavities. Sekerak (1970).

Chondracanthus sp. Oregon. Gill cavities, nostrils. Millemann (1970).

PHILICHTHYIDAE

Colobomatus kyphosus Sekerak, 1970. British Columbia. Cephalic sensory canal systems. Sekerak (1970).

Colobomatus sp. Oregon. Lateral lines. Millemann (1970).

Sarcotaces arcticus Collett, 1874. British Columbia. Cysts in anal region of abdominal cavities. Sekerak (1970).

Sarcotaces sp. Oregon. Near anus body walls. Millemann (1970).

LERNAEIDAE

Peniculus sp. Oregon. Fins. Millemann (1970); Northeastern Pacific. Sekerak (1975).

DIGenea

OPECOELIDAE

Neohelicometra sebastis Sekerak and Arai, 1974. Northeastern Pacific. Pyloric caeca, intestines. Sekerak and Arai (1974).

Podocotyle sp. Immature. British Columbia. Arai (1969b).

Helicometrina sp. Northeastern Pacific. Pyloric caeca, intestines. Sekerak and Arai (1973).

Sebastes alutus (Continued)

BUCEPHALIDAE

Prosorhynchus crucibulum (Rudolphi, 1819) Odhner, 1905. Metacercaria. Northeastern Pacific. Pyloric caeca, intestines. Sekerak and Arai (1973).

Prosorhynchus sp. Larva. Northeastern Pacific. Cyst in muscles. Liston, Peters, Stern (1960).

FELLODISTOMIDAE

Fellodistomum sebastodis Yamaguti and Matumara, 1942. Northeastern Pacific. Gallbladders. Sekerak and Arai (1973).

LEPOCREADIIDAE

Opechona alaskensis Ward and Fillingham, 1934. Northeastern Pacific. Pyloric caeca, intestines. Sekerak and Arai (1973).

Opechona occidentalis Montgomery, 1957. Northeastern Pacific. Intestines. Sekerak (1975).

Neolepidapedon sebastisci (Yamaguti, 1938) Manter, 1954. Northeastern Pacific. Pyloric caeca. Sekerak (1975).

HEMIURIDAE

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. Northeastern Pacific. Intestines. Sekerak (1975).

Derogenes varicus (Müller, 1784) Looss, 1901. Northeastern Pacific. Stomachs. Sekerak and Arai (1973).

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Northeastern Pacific. Stomachs. Sekerak and Arai (1973).

Lecithophyllum botryophorum (Olsson, 1868) Odhner, 1905. Northeastern Pacific. Stomachs. Sekerak and Arai (1973).

SANGUINICOLIDAE

Psettarium sebastodorum Holmes, 1971. Northeast Pacific. Hearts. Sekerak and Arai (1973).

SYNCOELIDAE

Syncoelium filiferum (Leuckart in Sars, 1885) Looss, 1899. Northeastern Pacific. Gills. Sekerak (1975).

MONOGENEA

CAPSALIDAE

Megalocotyle trituba Pratt and Aldrich, 1953. Oregon. Pratt and Aldrich (1953).

Megalocotyle marginata Folda, 1928. Northeastern Pacific. Gills. Sekerak and Arai (1973) as Trochopus m.

Benedenia derzhavini (Layman, 1930) Meserve, 1938. Northeastern Pacific. Gills. Sekerak (1975).

Trochopus sp. Northeastern Pacific. Gills. Sekerak (1975).

ACANTHOCOTYLIDAE

Pseudacanthocotyla williamsi Price, 1938. Northeastern Pacific. Gills. Sekerak and Arai (1973).

Sebastes alutus (continued)

MICROCOCOTYLE

Microcotyle sebastis Goto, 1894. Northeastern Pacific. Gills. Sekerak and Arai (1973).

Microcotyle sp. Northeastern Pacific. Gills. Sekerak (1975).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Body cavities. Arai (1969b).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. British Columbia. Stomachs, intestines. Margolis (1952) as Contracecum a. Contracecum sp. Northeastern Pacific. Stomach walls, mesenteries. Sekerak and Arai (1973).

Terranova decipiens (Krabbe, 1878) Johnston and Mawson, 1945. Larva. Pacific Northwest. Flesh. Liston and Hitz (1960) as Porrocaecum d.

CUCULLANIDAE

Cucullanus sp. Northeastern Pacific. Intestines. Sekerak (1975).

SPIRURIDAE

Ascarophis sebastodis Olsen, 1952. Northeastern Pacific. Stomachs. Sekerak (1975).

TRICHURIDAE

Capillaria sp. Northeastern Pacific. Stomachs. Sekerak (1975).

SCORPAENIDAE - Sebastes atrovirens Kelp RockfishSYNONYM - Sebastodes atrovirens

COPEPODA

CALIGIDAE

Caligus hobsoni Cressey, 1969. La Jolla, California. Hobson (1971).

PHILICHTHYIDAE

Sarcotaces sp. Santa Rosa Island, California. Cysts off rectums. Phelps (1975).

DIGenea

HEMIURIDAE

Sterrhurus exodicus (McFarlane, 1936) Yamaguti, 1958, Tomales Bay, California. Stomachs. Chapa (1969) as Separogermiductus e.

SANGUINICOLIDAE

Psettarium sebastodorum Holmes, 1971. San Diego, California. Holmes (1975).

Aporocotyle macfarlani Holmes, 1971. San Diego, California. Holmes (1975).

Sebastes atrovirens (continued)

DIGenea

LEPOCREADIIDAE

Opechona occidentalis Montgomery, 1957. La Jolla, California.
Intestines. Montgomery (1957).

OPECOELIDAE

Opecoelus minor Yamaguti, 1934. La Jolla, California. Intestines.
Yamaguti (1971).

Pellamyzon sebastodis Montgomery, 1957. La Jolla, California.
Intestines. Montgomery (1957).

Helicometrina nimia Linton, 1910. La Jolla, California. Intestines.
Montgomery (1957); Tomales Bay, California. Chapa (1969).

ISOPODA

Gen. and sp. Gnathiid larva. La Jolla, California. Body surfaces.
Hobson (1971).

MONOGENEA

MICROCOTYLIDAE

Microcotyle sebastis Goto, 1894. San Pedro, California. Gills.
Crane (1972).

CAPSALIDAE

Megalocotyle marginata Folda, 1928. San Diego, California. Holmes
(1975). as Trochopus m.

SCORPAENIDAE - Sebastes auriculatus Brown Rockfish

SYNONYM - Sebastodes auriculatus

COPEPODA

LERNAEOPODIDAE

Brachiella robusta (Wilson, 1912) Kabata, 1970. British Columbia.
Kabata (1970c); gill cavities. Fraser (1920) as Clavellopsis r.

Clavella parva Wilson, 1912. British Columbia. Dorsal fins.
Wilson (1912b).

CHONDRACANTHIDAE

Chondracanthus pinguis Wilson, 1912. British Columbia. Gill cavities.
Kabata (1968).

DIGenea

SANGUINICOLIDAE

Psettarium sebastodorum Holmes, 1971. San Diego, California. Holmes
(1975).

Sebastes auriculatus (continued)

MONOGENEA

MICROCOTYLIDAE

Microcotyle sebastis Goto, 1894. San Francisco, California. Gills.
Crane (1972); San Diego, California. Holmes (1975).

CAPSALIDAE

Megalocotyle marginata Folda, 1928. San Diego, California.
Holmes (1975) as Trochopus m.

SCORPAENIDAE - Sebastes aurora Aurora Rockfish

SYNONYM - Sebastodes aurora

COPEPODA

LERNAEOPODIDAE

Branchiella robusta (Wilson, 1912) Kabata 1970. British Columbia.
Kabata (1970c).

DIGENEA

SANGUINICOLIDAE

Psettarium sebastodorum Holmes, 1971. Washington, British Columbia.
Hearts, bulbus arteriosus, ventral aortas. Holmes (1971b).

SCORPAENIDAE - Sebastes babcocki Redbanded Rockfish

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. Northeastern Pacific.
Intestines. Sekerak (1975).

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808. Northeastern
Pacific. Intestines. Sekerak (1975).

COPEPODA

LERNAEOPODIDAE

Branchiella robusta (Wilson, 1912) Kabata, 1970. Northeastern
Pacific. Gill rakers. Sekerak (1975).

Clavella parva Wilson, 1912. Northeastern Pacific. Fins. Sekerak
(1975).

PHILICHTHYIDAE

Colobomatus kyphosus Sekerak, 1970. Northeastern Pacific. Cephalic
canals. Sekerak (1975).

Sebastes babcocki (continued)

LERNEIDAE

Peniculus sp. Northeastern Pacific. Fins. Sekerak (1975).

CHONDRACANTHIDAE

Chondracanthus pinguis Wilson, 1912. Northeastern Pacific. Gills. Sekerak (1975).

Chondracanthus triventricosus Sekerak, 1970. Northeastern Pacific. Nasal cavities. Sekerak (1975).

DIGenea

OPECOELIDAE

Neohelicometra sebastis Sekerak and Arai, 1974. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

Podocotyle sp. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

BUCEPHALIDAE

Prosorhynchus crucibulum (Rudolphi, 1819) Odhner, 1905. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

SANGUINICOLIDAE

Psettarium sebastodorum Holmes, 1971. Northeastern Pacific. Hearts. Sekerak (1975).

ACANTHOCOLPIDAE

Stephanostomum dentatum (Linton, 1900) Linton, 1940. Northeastern Pacific. Intestines. Sekerak (1975).

LEPOCREADIIDAE

Neolepidadon sebastisci (Yamaguti, 1938) Manter, 1954. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

HEMIURIDAE

Derogenes varicus (Müller, 1784) Looss, 1901. Northeastern Pacific. Stomachs. Sekerak (1975).

MONOGENEA

CAPSALIDAE

Trochopus sp. Northeastern Pacific. Gills. Sekerak (1975).

NEMATODA

ANISAKIDAE

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Northeastern Pacific. Stomachs, pyloric caeca, intestines. Sekerak (1975).

Contraecum sp. Larva. Northeastern Pacific. Intestines, stomach walls, mesenteries. Sekerak (1975).

Sebastes babcocki (continued)

TRICHURIDAE

Capillaria sp. Northeastern Pacific. Stomachs. Sekerak (1975).

CUCULLANIDAE

Cucullanus sp. Northeastern Pacific. Intestines. Sekerak (1975).

SCORPAENIDAE - Sebastes brevispinis Silvergray Rockfish

SYNONYM - Sebastodes brevispinis

ACANTHOCEPHALA

POLYMORPHIDAE

Corynosoma sp. Northeastern Pacific. Mesenteries. Sekerak (1975).

CESTODA

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Larva. Northeastern Pacific. Stomach walls, mesenteries. Sekerak (1975).

COPEPODA

LERNAEOPODIDAE

Brachiella robusta (Wilson, 1912) Kabata, 1970. Northeastern Pacific. Filaments in nasal cavities. Sekerak (1975).

CHONDRACANTHIDAE

Chondracanthus pinguis Wilson, 1912. Northeastern Pacific. Gills. Sekerak (1975).

Chondracanthus triventricosus Sekerak, 1970. Northeastern Pacific. Nasal cavities. Sekerak (1975).

PHILICHTHYIDAE

Colobomatus kyphosus Sekerak, 1970. Northeastern Pacific. Cephalic canals. Sekerak (1975).

Sarcotaces arcticus Collett, 1874. Northeastern Pacific. Body cavities. Sekerak (1975).

LERNAEIDAE

Peniculus sp. Northeastern Pacific. Fins. Sekerak (1975).

DIGenea

SANGUINICOLIDAE

Psettarium sebastodorum Holmes, 1971. British Columbia. Hearts. Holmes (1971a).

HEMIURIDAE

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Northeastern Pacific. Stomachs. Sekerak (1975).

Sebastes brevispinis (continued)

Derogenes varicus (Müller, 1784) Looss, 1901. Northeastern Pacific. Stomachs. Sekerak (1975).

OPECOELIDAE

Podocotyle sp. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

BUCEPHALIDAE

Prosorhynchus crucibulum (Rudolphi, 1819) Odhner, 1905. Northeastern Pacific. Pyloric caeca. Sekerak (1975).

SYNCOELIDAE

Syncoelium filiferum (Leuckart in Sars, 1885) Looss, 1899. Northeastern Pacific. Gills. Sekerak (1975).

MONOGENEA

CAPSALIDAE

Trochopus sp. Northeastern Pacific. Gills. Sekerak (1975).

NEMATODA

ANISAKIDAE

Contracaecum sp. Larva. Northeastern Pacific. Intestines, stomach walls, mesenteries. Sekerak (1975).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

Anisakis sp. Larva. British Columbia. All over body. Margolis (1952).

SCORPAENIDAE - Sebastes carnatus Gopher Rockfish

SYNONYM - Sebastodes carnatus

COPEPODA

CALIGIDAE

Caligus hobsoni Cressey, 1969. La Jolla, California. Hobson (1971).

DIGENEA

SANGUINICOLIDAE

Psettarium Sebastodorum Holmes, 1971. San Diego, California. Holmes (1975).

ISOPODA

Gen. and sp. Gnathiid larva. La Jolla, California. Body surfaces. Hobson (1971).

MONOGENEA

CAPSALIDAE

Megalocotyle marginata Folda, 1928. San Diego, California. Holmes (1975) as Trochopus m.

Sebastes carnatus (continued)

MICROCOTYLIDAE

Microcotyle sebastis Goto, 1894. San Diego, California. Holmes (1975).

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Myxidium incurvatum Thélohan, 1892. San Pedro, California. Gallbladders. Jameson (1931).

Myxidium calcariferi Chakravarty, 1943. Southern California. Jensen (1975).

CERATOMYXIDAE

Ceratomyxa sebasta Moser, Love and Jensen (in preparation). Central California. Gallbladders. Moser, Love and Jensen (in preparation).

Ceratomyxa vepallida Meglitsch, 1960. Northern California. Gallbladders. Moser, Love and Jensen (in preparation).

SCORPAENIDAE - Sebastes caurinus Copper Rockfish

SYNONYM - Sebastodes caurinus

ACANTHOCEPHALA

POLYMORPHIDAE

Corynosoma sp. Larva. Northeastern Pacific. Mesenteries. Sekerak (1975).

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. Northeastern Pacific. Intestines. Sekerak (1975).

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808. Northeastern Pacific. Intestines. Sekerak (1975).

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Larva. Northeastern Pacific. Stomachs, mesenteries. Sekerak (1975).

PHYLLOBOTHRIDAE

Phyllobothrium sp. Larva. Northeastern Pacific. Intestines. Sekerak (1975).

COPEPODA

PHILICHTHYIDAE

Colobomatus kyphosus Sekerak, 1970. Northeastern Pacific. Cephalic canals. Sekerak (1975).

Sebastes caurinus (continued)

CHONDRACANTHIDAE

Chondracanthus triventricosus Sekerak, 1970. Northeastern Pacific.
Nasal cavities. Sekerak (1975).

Chondracanthus pinguis Wilson, 1912. British Columbia. Bere (1930a).

ARGULIDAE

Argulus pugettensis Dana, 1852. British Columbia. Bere (1930a).

Argulus borealis Wilson, 1912. British Columbia. Bere (1930a).

LERNAEOPODIDAE

Clavella parva Wilson, 1912. Northeastern Pacific. Fins. Sekerak
(1975).

Brachiella robusta (Wilson, 1912) Kabata, 1970. British Columbia.
Kabata (1970c).

CALIGIDAE

Caligus clemensi Parker and Margolis, 1964. Northeastern Pacific.
Body surfaces. Sekerak (1975).

Lepeophtheirus oblitus Kabata, 1973. Vancouver Island, British
Columbia. Kabata (1973).

NAOBRANCHIIDAE

Naobranchia occidentalis Wilson, 1915. British Columbia. Bere (1930a).

BOMOLOCHIDAE

Holobomolochus venustus Kabata, 1971. British Columbia. Nasal
cavities. Kabata (1971).

DIGENEA

ZOOGONIDAE

Deretrema cholaeum McFarlane, 1936. Northeastern Pacific. Gallbladders.
Sekerak (1975).

HEMIURIDAE

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. Northeastern
Pacific. Intestines. Sekerak (1975).

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. North-
eastern Pacific. Stomachs. Sekerak (1975).

Derogenes varicus (Müller, 1784) Looss, 1901. Northeastern Pacific.
Stomachs. Sekerak (1975).

Sterrhurus exodicus (McFarlane, 1936) Yamaguti, 1958. Northeastern
Pacific. Stomachs. Sekerak (1975).

Hemiurus levinseni Odhner, 1905. Washington. Lloyd (1938).

LEPOCREADIIDAE

Neolepidapedon pugetense (Acena, 1947) Yamaguti, 1971. Northeastern
Pacific. Pyloric caeca, intestines. Sekerak (1975).

Opechona occidentalis Montgomery, 1957. British Columbia. Intestines.
Arai (1969b).

Sebastes caurinus (continued)

GORGODERIDAE

Phyllodistomum sp. Northern Pacific. Urinary bladders. Sekerak (1975).

ACANTHOCOLPIDAE

Stephanostomum californicum Manter and Van Cleave, 1951. Northeastern Pacific. Intestines. Sekerak (1975).

Stephanostomum casum (Linton, 1910) McFarlane, 1936. British Columbia. Intestines. Arai (1969b).

SANGUINICOLIDAE

Aporocotyle macfarlani Holmes, 1971. Washington, British Columbia. Afferent branchial arteries, ventral aortas, ventricles, bulbus arteriosus. Holmes (1971b).

Psettarium Sebastodorum Holmes, 1971. Washington, British Columbia. Hearts, bulbus arteriosus, ventral aortas. Holmes (1971b).

OPECOELIDAE

Neohelicometra sebastis Sekerak and Arai, 1974. Northeastern Pacific. Pyloric caeca and intestines. Sekerak and Arai (1974).

HIRUDINEA

PISCICOLIDAE

Pisciocola sp. Northeastern Pacific. Fins. Sekerak (1975).

MONOGENEA

CAPSALIDAE

Megalocotyle marginata Folda, 1928. Washington. Gills. Bonham (1950); British Columbia. Gills. Arai (1969b).

MICROCOTYLIDAE

Microcotyle sebastis Goto, 1894. Washington. Guberlet (1936a); British Columbia. Gills. Arai (1969b).

NEMATODA

TRICHURIDAE

Capillaria sp. Northeastern Pacific. Stomachs. Sekerak (1975).

ANISAKIDAE

Contraecum sp. Larva. British Columbia. Body cavities. Arai (1969b).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Washington. Olsen (1952a) as Contraecum a.

SPIRURIDAE

Ascarophis sebastodis Olsen, 1952. San Juan Islands, Washington. Stomachs. Olsen (1952b); British Columbia. Intestines. Arai (1969b).

Sebastes caurinus (continued)

CUCULLANIDAE

Cucullanus smedleyi Campana-Rouget, 1957. British Columbia. Intestines. Arai (1969b).

Cucullanus elongatus Smedley, 1933. Northeastern Pacific. Intestines. Sekerak (1975).

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Myxidium incurvatum Thélohan, 1892. Monterey, California. Gallbladders. Jameson (1929).

SCORPAENIDAE - Sebastes chlorostictus Greenspotted Rockfish

SYNONYM - Sebastodes chlorostictus

MONOGENEA

MICROCOTYLIDAE

Microcotyle sebastis Goto, 1894. San Pedro, California. Gills. Crane (1972).

PROTOZOA (MYXOSPORIDA)

MYXOBOLIDAE

Henneguya sebasta Moser and Love, 1975. Central California. Bulbus, truncus arteriosus. Moser and Love (1975); Southern California. Gallbladders, urinary bladders. Moser, Love and Jensen (in preparation).

CERATOMYXIDAE

Leptotheca informis Averbach, 1910. Southern California. Gallbladders. Moser, Love and Jensen (in preparation).

SCORPAENIDAE - Sebastes chrysomelas Black-and-Yellow Rockfish

SYNONYM - Sebastodes chrysomelas

DIGENEA

OPECOELIDAE

Helicometrina nimia Linton, 1910. Monterey Bay, California. Intestines. Chapa (1969).

Opecoelus noblei Banerjee, 1965. Monterey Bay, California. Intestines. Chapa (1969).

Sebastes chrysomelas (continued)

LEPOCREADIIDAE

Opechona occidentalis Montgomery, 1957. Monterey Bay, California.
Intestines. Chapa (1969).

SANGUINICOLIDAE

Psettarium sebastodorum Holmes, 1971. San Diego, California.
Holmes (1975).

Aporocotyle macfarlani Holmes, 1971. San Diego, California.
Holmes (1975).

ISOPODA

Gen and sp. Gnathiid larva. La Jolla, California. Body surfaces.
Hobson (1971).

SCORPAENIDAE - Sebastes constellatus Starry Rockfish

SYNONYM - Sebastodes constellatus

DIGenea

HEMIURIDAE

Sterrhurus exodicus (McFarlane, 1936) Yamaguti, 1958. Monterey Bay,
California. Stomach. Nahhas (1960).

ISOPODA

Gen. and sp. Gnathiid larva. La Jolla, California. Body surfaces.
Hobson (1971).

SCORPAENIDAE - Sebastes crameri Darkblotched Rockfish

SYNONYM - Sebastodes crameri

CESTODA

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Larva. Northeastern Pacific.
Stomach walls, mesenteries. Sekerak (1975).

PHYLLOBOTHRIIDAE

Phyllobothrium sp. Larva. Northeastern Pacific. Intestines.
Sekerak (1975).

Sebastes crameri (continued)

COPEPODA

LERNAEPODIDAE

Brachiella robusta (Wilson, 1912) Kabata, 1970. British Columbia.
Kabata (1970c).

PHILICHTHYIDAE

Sarcotaces arcticus Collett, 1874. British Columbia. Body cavities.
Kabata (1970a).

Colobomatus kyphosus Sekerak, 1970. Northeastern Pacific. Cephalic
canals. Sekerak (1975).

LERNAEIDAE

Peniculus sp. Northeastern Pacific. Caudal fins. Sekerak (1975).

CHONDRACANTHIDAE

Chondracanthus pinguis Wilson, 1912. Northeastern Pacific. Gills.
Sekerak (1975).

Chondracanthus triventricosus Sekerak, 1970. Northeastern Pacific.
Nasal cavities. Sekerak (1975).

DIGENEA

SANGUINICOLIDAE

Psettarium Sebastodorum Holmes, 1971. Washington,
British Columbia. Hearts, bulbus arteriosus, ventral aortas.
Holmes (1971b).

HEMIURIDAE

Derogenes varicus (Müller, 1784) Looss, 1901. Northeastern Pacific.
Stomachs. Sekerak (1975).

Lecithophyllum botryophorum (Olsson, 1868) Odhner, 1905. North-
eastern Pacific. Stomachs. Sekerak (1975).

BUCEPHALIDAE

Prosorhynchus crucibulum (Rudolphi, 1819) Odhner, 1905. North-
eastern Pacific. Pyloric caeca. Sekerak (1975).

MONOGENEA

CAPSALIDAE

Benedenia derzhavini (Layman, 1930) Meserve, 1938. Northeastern
Pacific. Gills. Sekerak (1975).

Trochopus sp. Northeastern Pacific. Gills. Sekerak (1975).

NEMATODA

ANISAKIDAE

Contracacum sp. Larva. Northeastern Pacific. Pyloric caeca, in-
testines. Sekerak (1975).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Stomachs,
pyloric caeca, intestines. Sekerak (1975).

Sebastes crameri (continued)

CUCULLANIDAE

Cucullanus sp. Northeastern Pacific. Pyloric caeca, intestines.
Sekerak (1975).

SCORPAENIDAE - Sebastes diploproa Splitnose Rockfish

SYNONYM - Sebastodes diploproa

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. Northeastern Pacific.
Intestines. Sekerak (1975).

CESTODA

PHYLLOBOTHRIDAE

Phyllobothrium sp. Larva. British Columbia. Intestines. Arai (1969b).

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Larva. Northeastern Pacific.
Stomach walls, mesenteries. Sekerak (1975).

COPEPODA

CHONDRACANTHIDAE

Chondracanthus pinguis Wilson, 1912. Northeastern Pacific. Gills.
Sekerak (1975).

Chondracanthus triventricosus Sekerak, 1970. Northeastern Pacific.
Nasal cavities. Sekerak (1975).

NAOBRANCHIIDAE

Naobranchia occidentalis Wilson, 1915. Northeastern Pacific. Gill
filaments. Sekerak (1975).

PHILICHTHYIDAE

Colobomatus kyphosus Sekerak, 1970. Northeastern Pacific. Cephalic
canals. Sekerak (1975).

CALIGIDAE

Lepeophtheirus paulus Cressey, 1969. Northeastern Pacific. Gills.
Sekerak (1975).

LERNAEOPODIDAE

Brachiella robusta (Wilson, 1912) Kabata, 1970. Northeastern
Pacific. Gill rakers. Sekerak (1975).

Clavella parva Wilson, 1912. British Columbia. Fin rays. Kabata
(1970c).

Sebastes diploproa (continued)

DIGENEA

HEMIURIDAE

Derogenes varicus (Müller, 1784) Looss, 1901. Northeastern Pacific. Stomachs. Sekerak (1975).

OPECOELIDAE

Podocotyle sp. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

Neohelicometra sebastis Sekerak and Arai, 1974. Northeastern Pacific. Pyloric caeca, intestines. Sekerak and Arai (1974).

GORGODERIDAE

Phyllodistomum sp. Northeastern Pacific. Urinary bladders. Sekerak (1975).

SANGUINICOLIDAE

Psettarium sebastodorum Holmes, 1971. Washington, British Columbia. Hearts, bulbus arteriosus, ventral aortas. Holmes (1971b).

BUCEPHALIDAE

Prosorhynchus crucibulum (Rudolphi, 1819) Odhner, 1905. Northeastern Pacific. Pyloric caeca. Sekerak (1975).

MONOGENEA

MICROCOTYLIDAE

Microcotyle sebastis Goto, 1894. San Pedro, California. Gills. Crane (1972); British Columbia. Arai (1969b).

CAPSALIDAE

Megalocotyle trituba Pratt and Aldrich, 1953. Oregon. Pratt and Aldrich (1953).

Trochopus sp. Northeastern Pacific. Gills. Sekerak (1975).

NEMATODA

SPIRURIDAE

Ascarophis sebastodis Olsen, 1952. Northeastern Pacific. Stomachs. Sekerak (1975).

ANISAKIDAE

Contracaecum sp. Larva. Northeastern Pacific. Intestines. Sekerak (1975).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Northeastern Pacific. Stomachs, intestines. Sekerak (1975).

PROTOZOA (MYXOSPORIDA)

MYXOBOLIDAE

Henneguya sebastis Moser and Love, 1975. Southern California. Bulbus, truncus arteriosus. Moser and Love (1975).

SCORPAENIDAE - Sebastes elongatus Strawberry RockfishSYNONYM - Sebastodes elongatus

ACANTHOCEPHALA

POLYMORPHIDAE

Corynosoma sp. Northeastern Pacific. Mesenteries. Sekerak (1975).

CESTODA

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Larva. Northeastern Pacific. Stomach walls, mesenteries. Sekerak (1975).

COPEPODA

LERNAEOPODIDAE

Clavella parva Wilson, 1912. Northeastern Pacific. Fins. Sekerak (1975).

PHILICHTHYIDAE

Colobomatus kyphosus Sekerak, 1970. Northeastern Pacific. Cephalic canals. Sekerak (1975).

BOMOLOCHIDAE

Holobomolochos venustus Kabata, 1971. Northeastern Pacific. Nasal cavities. Sekerak (1975).

DIGenea

OPECOELIDAE

Podocotyle sp. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).Opecoelina radifistuli (Acena, 1941) Manter, 1947. Washington. Intestines. Acena (1941) as Dideutosaccus r.

LEPOCREADIIDAE

Opechona occidentalis Montgomery, 1957. British Columbia. Intestines. Arai (1969b).

BUCEPHALIDAE

Prosorhynchus crucibulum (Rudolphi, 1819) Odhner, 1905. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

HEMIURIDAE

Sterrhurus exodicus (McFarlane, 1936) Yamaguti, 1958. Northeastern Pacific. Stomachs. Sekerak (1975).Derogenes varicus (Müller, 1784) Looss, 1901. Northeastern Pacific. Stomachs. Sekerak (1975).

ZOOGONIDAE

Deretrema cholaeum McFarlane, 1936. Northeastern Pacific. Gall-bladders. Sekerak (1975).

Sebastes elongatus (continued)

FELLODISTOMIDAE

Fellodistomum sebastodis Yamaguti and Matumura, 1942. Northeastern Pacific. Gallbladders. Sekerak (1975).

MONOGENEA

MICROCOTYLIDAE

Microcotyle sebastis Goto, 1894. San Pedro, California. Gills. Crane (1972); British Columbia. Gills. Arai (1969b).

CAPSALIDAE

Trochopus sp. Northeastern Pacific. Gills. Sekerak (1975).

NEMATODA

SPIRURIDAE

Ascarophis sebastodis Olsen, 1952. British Columbia. Intestines. Arai (1969b).

ANISAKIDAE

Contracaecum sp. Larva. Northeastern Pacific. Stomachs, stomach walls, intestines, mesenteries. Sekerak (1975).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Northeastern Pacific. Stomachs, intestines. Sekerak (1975).

PROTOZOA (MYXOSPORIDA)

CHLOROMYXIDAE

Kudoa clupeiidae (Hahn, 1917) Meglitsch, 1947. Southern California. Muscles. Moser, Love, and Jensen (in preparation).

SCORPAENIDAE- Sebastes ensifer Swordspine Rockfish

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Ceratomyxa vepallida Meglitsch, 1960. Southern California. Gallbladders. Moser, Love and Jensen (in preparation).

Ceratomyxa sebasta Moser, Love and Jensen (in preparation). Southern California. Gallbladders. Moser, Love and Jensen (in preparation).

MYXIDIIDAE

Myxidium incurvatum Thélohan, 1892. Southern California. Gallbladders. Moser, Love and Jensen (in preparation).

SCORPAENIDAE - Sebastes entomelas Widow Rockfish

CESTODA

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Larva. Northeastern Pacific. Stomachs, mesenteries. Sekerak (1975).

PHYLLOBOTHRIIDAE

Phyllobothrium sp. Larva. Northeastern Pacific. Intestines. Sekerak (1975).

COPEPODA

LERNAEPOPIDAE

Brachiella robusta (Wilson, 1912) Kabata, 1970. Northeastern Pacific. Gill rakers. Sekerak (1975).

CHONDRACANTHIDAE

Chondracanthus pinguis Wilson, 1912. Northeastern Pacific. Gills. Sekerak (1975).

PHILICHTHYIDAE

Colobomatus kyphosus Sekerak, 1970. Northeastern Pacific. Cephalic canals. Sekerak (1975).

DIGenea

HEMIURIDAE

Derogenes varicus (Müller, 1784) Looss, 1901. Northeastern Pacific. Stomachs. Sekerak (1975).

BUCEPHALIDAE

Prosorhynchus crucibulum (Rudolphi, 1819) Odhner, 1905. Northeastern Pacific. Pyloric caeca. Sekerak (1975).

MONOGENEA

CAPSALIDAE

Trochopus sp. Northeastern Pacific. Gills. Sekerak (1975).

NEMATODA

ANISAKIDAE

Contracaecum sp. Larva. Northeastern Pacific. Stomach walls, mesenteries. Sekerak (1975).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Pyloric caeca, intestines. Sekerak (1975).

SCORPAENIDAE - Sebastes eos Pink Rockfish

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Echinorhynchus sp. Southern California. Jensen (1975).

SCORPAENIDAE - Sebastes flavidus Yellowtail RockfishSYNONYMS - Sebastodes flavidus

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. Northeastern Pacific.
Intestines. Sekerak (1975).

CESTODA

TENTACULARIIDAE

Nybelina surmenicola Okada, 1929. Larva. Northeastern Pacific.
Stomach walls, mesenteries. Sekerak (1975).

COPEPODA

CHONDRACANTHIDAE

Chondracanthus pinguis Wilson, 1912. Northeastern Pacific. Gills.
Sekerak (1975).

Chondracanthus triventricosus Sekerak, 1970. Northeastern Pacific.
Nasal cavities. Sekerak (1975).

PHILICHTHYIDAE

Colobomatus kyphosus Sekerak, 1970. Northeastern Pacific. Cephalic
canals. Sekerak (1975).

CALIGIDAE

Lepeophtheirus paulus Cressey, 1969. Vancouver Island, British
Columbia. Kabata (1973).

LERNAEOPODIDAE

Brachiella robusta (Wilson, 1912) Kabata, 1970. British Columbia.
Kabata (1970c).

Clavella parva Wilson, 1912. Northeastern Pacific. Fins. Sekerak
(1975).

DIGENEA

SANGUINICOLIDAE

Aporocotyle macfarlani Holmes, 1971. Washington, British Columbia.
Branchial arteries, ventral aortas, bulbus arteriosus, ventricles.
Holmes (1971b).

Psettarium Sebastodorum Holmes, 1971. Washington, British Columbia.
Hearts, bulbus arteriosus, ventral aortas. Holmes (1971b).

OPECOELIDAE

Neohelicometra sebastis Sekerak and Arai, 1974. Northeastern Pacific.
Pyloric caeca, intestines. Sekerak and Arai (1974).

Podocotyle sp. Northeastern Pacific. Pyloric caeca, intestines.
Sekerak (1975).

Sebastes flavidus (continued)

BUCEPHALIDAE

Prosorhynchus crucibulum (Rudolphi, 1819) Odhner, 1905. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

HEMIURIDAE

Sterrhurus exodicus (McFarlane, 1936) Yamaguti, 1958. Northeastern Pacific. Stomachs. Sekerak (1975).

Derogenes varicus (Müller, 1784) Looss, 1901. Northeastern Pacific. Stomachs. Sekerak (1975).

Lecithophyllum botryophorum (Olsson, 1868) Odhner, 1905. Northeastern Pacific. Stomachs. Sekerak (1975).

LEPOCREADIIDAE

Opechona alaskensis Ward and Fillingham, 1934. Northeastern Pacific. Intestines. Sekerak (1975).

Opechona occidentalis Montgomery, 1957. Northeastern Pacific. Intestines. Sekerak (1975).

SYNCOELIDAE

Syncoelium filiferum (Leuckart in Sars, 1885) Looss, 1899. Northeastern Pacific. Gills. Sekerak (1975).

MONOGENEA

CAPSALIDAE

Trochopus sp. Northeastern Pacific. Gills. Sekerak (1975).

NEMATODA

TRICHURIDAE

Capillaria sp. Northeastern Pacific. Stomachs. Sekerak (1975).

ANISAKIDAE

Contraecum sp. Larva. Northeastern Pacific. Stomachs, pyloric caeca, intestines. Sekerak (1975).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Stomachs, intestines. Sekerak (1975).

CUCULLANIDAE

Cucullanus sp. Northeastern Pacific. Intestines. Sekerak (1975).

SPIRURIDAE

Ascarophis sebastodis Olsen, 1952. Northeastern Pacific. Stomachs. Sekerak (1975).

PROTOZOA (MYXOSPORIDA)

MYXOBOLIDAE

Henneguya sebasta Moser and Love, 1975. Northern California. Hearts, gallbladders. Moser, Love, and Jensen (in preparation).

Sebastes goodei Chillipepper

DIGenea

HEMIURIDAE

Derogenes varicus (Müller, 1784) Looss, 1901. Northeastern Pacific. Stomachs. Sekerak (1975).

OPECOELIDAE

Podocotyle sp. Northeastern Pacific. Pyloric caeca. Sekerak (1975).

MONOGENEA

CAPSALIDAE

Trochopus sp. Northeastern Pacific. Gills. Sekerak (1975).

NEMATODA

ANISAKIDAE

Contracaecum sp. Larva. Northeastern Pacific. Pyloric caeca, intestines, mesenteries. Sekerak (1975).

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Ceratomyxa hopkinsi Jameson, 1929. Northern California. Gallbladders. Moser, Love and Jensen (in preparation).

Leptotheca informis Auerbach, 1910. Northern California. Gallbladders. Moser, Love, and Jensen (in preparation).

MYXOBOLIDAE

Henneguya sebasta Moser and Love, 1975. Southern California. Hearts, urinary bladders. Moser, Love and Jensen (in preparation).

SCORPAENIDAE - Sebastes helvomaculatus Rosethorn Rockfish

SYNONYM - Sebastodes helvomaculatus

ACANTHOCEPHALA

POLYMORPHIDAE

Corynosoma sp. Larva. Northeastern Pacific. Mesenteries. Sekerak (1975).

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. Northeastern Pacific. Intestines. Sekerak (1975)

COPEPODA

CHONDRACANTHIDAE

Chondracanthus triventricosus Sekerak, 1970. Northeastern Pacific. Nasal cavities. Sekerak (1975).

Sebastes helvomaculatus (continued)

CALIGIDAE

- Lepeophtheirus oblitus Kabata, 1973. Northeastern Pacific. Buccal cavities, gills. Sekerak (1975).

DIGenea

SANGUINICOLIDAE

- Psettarium sebastodorum Holmes, 1971. Washington, British Columbia. Heart regions. Holmes (1971b).

OPECOELIDAE

- Neohelicometra sebastis Sekerak and Arai, 1974. Northeastern Pacific. Pyloric caeca, intestines. Sekerak and Arai (1974).
Podocotyle sp. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

HEMIURIDAE

- Derogenes varicus (Müller, 1784) Looss, 1901. Northeastern Pacific. Stomachs. Sekerak (1975).

LEPOCREADIIDAE

- Neolepidapedon sebastisci (Yamaguti, 1938) Manter, 1954. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

MONOGENEA

MICROCOTYLIDAE

- Microcotyle sebastis Goto, 1894. Northeastern Pacific. Gills. Sekerak (1975).

NEMATODA

ANISAKIDAE

- Contracaecum sp. Larva. Northeastern Pacific. Stomachs, mesenteries, intestines. Sekerak (1975).
Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Larva. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

SCORPAENIDAE - Sebastes jordani Shortbelly Rockfish

PROTOZOA (MYXOSPORIDA)

MYXOBOLIDAE

- Henneguya sebasta Moser and Love, 1975. Southern California. Bulbus, truncus arteriosus. Moser and Love (1975).

SCORPAENIDAE - Sebastes levis Cow Rockfish

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Echinorhynchus sp. Southern California. Jensen (1975).

CESTODA

TRYPANORHYNCHA

Gen. and sp. Larva. Southern California. Jensen (1975).

PROTOZOA (MYXOSPORIDA)

MYXOBOLIDAE

Henneguya sebasta Moser and Love, 1975. Southern California.
Hearts. Moser, Love and Jensen (in preparation).

PROTOZOA (SPOROZOA)

COCCIDIA

Gen. and sp. Southern California. Jensen (1975).

SCORPAENIDAE - Sebastes maliger Quillback RockfishSYNONYM - Sebastodes maliger

ACANTHOCEPHALA

POLYMORPHIDAE

Corynosoma sp. Larva. Northeastern Pacific. Mesenteries. Sekerak
(1975).

CESTODA

PHYLLOBOTHRIIDAE

Phyllobothrium sp. Larva. British Columbia. Intestines. Arai
(1969b).

COPEPODA

CALIGIDAE

Lepeophtheirus paulus Cressey, 1969. Vancouver Island, British Columbia.
Kabata (1973).

Lepeophtheirus oblitus Kabata, 1973. Vancouver Island, British
Columbia. Kabata (1973).

NAOBRANCHIIDAE

Naobranchia occidentalis Wilson, 1915. British Columbia. Bere (1930a).

LERNAEOPODIDAE

Clavella parva Wilson, 1912. British Columbia. Bere (1930a).

Brachiella robusta (Wilson, 1912) Kabata, 1970. British Columbia.
Kabata (1970c).

Sebastes maliger (continued)

CHONDRACANTHIDAE

Chondracanthus triventricosus Sekerak, 1970. Northeastern Pacific. Nasal cavities. Sekerak (1975)

Chondracanthus pinguis Wilson, 1912. Northeastern Pacific. Gills. Sekerak (1975).

PHILICHTHYIDAE

Colobomatus kyphosus Sekerak, 1970. Northeastern Pacific. Cephalic canals. Sekerak (1975).

BOMOLOCHIDAE

Holobomolochus venustus Kabata, 1971. Northeastern Pacific. Nasal cavities. Sekerak (1975).

DIGenea

ACANTHOCOLPIDAE

Stephanostomum californicum Manter and Van Cleave, 1961. Northeastern Pacific. Intestines. Sekerak (1975).

SANGUINICOLIDAE

Aporocotyle macfarlani Holmes, 1971. Washington. Ching (1960a) as A. simplex; British Columbia. Afferent branchial arteries, ventral aortas, bulbus arteriosus, ventricles. Holmes (1971b).

Psettarium Sebastodorum Holmes, 1971. Washington, British Columbia. Hearts bulbus arteriosus, ventral aortas. Holmes (1971b).

HEMIURIDAE

Derogenes varicus (Müller, 1784) Looss, 1901. Washington. Lloyd (1938).

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. Washington. Ching (1960a) as L. salmonis.

Sterrhurus exodicus (McFarlane, 1936) Yamaguti, 1958. Washington. Stomachs. Lloyd (1938) as Lecithochirium e.

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Northeastern Pacific. Stomachs. Sekerak (1975).

LEPOCREADIIDAE

Opechona occidentalis Montgomery, 1957. Washington. Ching (1960a).

Opechona theragrae Lloyd, 1938. Washington. Ching (1960a).

Opechona alaskensis Ward and Fillingham, 1934. Northeastern Pacific. Intestines. Sekerak (1975).

OPECOELIDAE

Podocotyle sp. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

Podocotyle abitionis McFarlane, 1936. Washington. Ching (1960a).

Neohelicometra sebastis Sekerak and Arai, 1974. Northeastern Pacific. Pyloric caeca, intestines. Sekerak and Arai (1974).

Helicometra sp. British Columbia. Intestines. Arai (1969b).

Neopodocotyloides sinusaccus (Ching, 1960) Pritchard, 1966. British Columbia. Intestines. Arai (1969b).

Sebastes maliger (continued)

ZOOGONIDAE

Deretrema cholaeum McFarlane, 1936. British Columbia. Gallbladders.
Arai (1969b).

MONOGENEA

CAPSALIDAE

Megalocotyle marginata Folda, 1928. Washington. Gills. Bonham
(1950).

MICROCOTYLIDAE

Microcotyle sebastis Goto, 1894. Washington. Bonham and Guberlet
(1937).

NEMATODA

TRICHURIDAE

Capillaria sp. Northeastern Pacific. Stomachs. Sekerak (1975).

CUCULLANIDAE

Cucullanus elongatus Smedley, 1933. Northeastern Pacific. Intestines.
Sekerak (1975).

SPIRURIDAE

Ascarophis sebastodis Olsen, 1952. Northeastern Pacific. Stomachs.
Sekerak (1975).

ANISAKIDAE

Contracaecum sp. Larva. Northeastern Pacific. Stomachs, intestines.
Sekerak (1975).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Northeastern
Pacific. Stomachs, intestines. Sekerak (1975).

-SEE ADDENDUM

SCORPAENIDAE - Sebastes melanops Black Rockfish

SYNONYM - Sebastodes melanops

COPEPODA

LERNAEOPODIDAE

Brachiella robusta (Wilson, 1912) Kabata, 1970. British Columbia.
Kabata (1970c); Fraser (1920) as Clavellopsis r.

Clavella parva Wilson, 1912. Alaska. Dorsal, caudal fins. Wilson
(1915) as C. recta.

CHONDRACANTHIDAE

Chondracanthus sp. Oregon. Gill cavities. Millemann (1970).

Chondracanthus deltoideus Fraser, 1920. British Columbia. Bere
(1930a).

Chondracanthus pinguis Wilson, 1912. British Columbia. Bere
(1930a).

Sebastes melanops (continued)

DIGENEA

HEMIURIDAE

Lecithaster gibbosus (Rudolphi, 1802) Ldhe, 1901. Washington.
Ching (1960a) as L. salmonis.

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Washington.
Ching (1960a).

LEPOCREADIIDAE

Opechona parvasoma Ching, 1960. Washington. Intestines. Ching
(1960a).

SANGUINICOLIDAE

Aporocotyle macfarlani Holmes, 1971. Washington, British Columbia.
Afferent branchial arteries, ventral aortas, bulbus arteriosus,
ventricles. Holmes (1971b).

Psettarium Sebastodorum Holmes, 1971. Washington, British Columbia.
Hearts, bulbus arteriosus, ventral aortas. Holmes (1971b).

MONOGENEA

CAPSALIDAE

Megalocotyle marginata Folda, 1928. Washington. Gills. Bonham
(1950).

MICROCOTYLIDAE

Microcotyle sebastis Goto, 1894. Washington. Bonham and Guberlet
(1937); Oregon. Gills. Pratt and McCauley (1961).

PROTOZOA (MYXOSPORIDA)

MYXOBOLIDAE

Henneguya sebastis Moser and Love, 1975. Central California. Hearts.
Moser, Love and Jensen (in preparation).

SCORPAENIDAE - Sebastes miniatus Vermillion Rockfish

SYNONYM - Sebastodes minatus

CESTODA

.. TRYPANORHYNCHA

Gen. and sp. Larva. Southern California. Jensen (1975).

COPEPODA

NAOBRANCHIIDAE

Naobranchia occidentalis Wilson, 1915. Southern California. Gills.
Jensen (1975).

Sebastes minatus (continued)

MONOGENEA

MICROCOTYLIDAE

Microcotyle sebastis Goto, 1894. Ocean Park, California. Gills.
Winter (1959); San Pedro, California. Crane (1972).

PROTOZOA (MYXOSPORIDA)

MYXOBOLIDAE

Heneguya sebastis Moser and Love, 1975. Central California. Bulbus,
truncus arteriosus. Moser and Love (1975).

MYXIDIIDAE

Myxidium calcariferi Chakravarty, 1943. Southern California. Gall-
bladders. Moser, Love and Jensen (in preparation).

SCORPAENIDAE - Sebastes mystinus Blue Rockfish

SYNONYM - Sebastodes mystinus

COPEPODA

BOMOLOCHIDAE

Holobomolochus spinulus (Cressey, 1969) Kabata, 1971. La Jolla,
California. Gill cavities. Cressey (1969b).

CALIGIDAE

Caligus hobsoni Cressey, 1969. La Jolla, California. Hobson (1971).

DIGENEA

HEMIURIDAE

Sterrhurus exodicus (McFarlane, 1936) Yamaguti, 1958. Tomales Bay,
California. Stomachs. Chapa (1969) as Separogermiductus e.

LEPOCREADIIDAE

Lepidapedon elongatum (Lebour, 1908) Tomales Bay,
California. Intestines. Chapa (1969).

SCORPAENIDAE - Sebastes nebulosus China Rockfish

SYNONYM - Sebastodes nebulosus

DIGENEA

OPECOELIDAE

Opecoelina pharynmagna Annereaux, 1943. Fort Ross, California.
Stomachs, intestines. Annereaux (1943).

Sebastes nebulosus (continued)

Neohelicometra sebastis Sekerak and Arai, 1974. Northeastern Pacific. Pyloric caeca. Sekerak (1975).

LEPOCREADIIDAE

Opechona occidentalis Montgomery, 1957. Northeastern Pacific. Pyloric caeca. Sekerak (1975).

Lepidapedon elongatum Lebour, 1908. Puget Sound, Washington. Intestines. Ching (1961).

Neolepidapedon pugetense (Acena, 1947) Yamaguti, 1971. Washington. Intestines. Acena (1947) as Lepidapedon p.

HEMIURIDAE

Sterrhurus exodicus (McFarlane, 1936) Yamaguti, 1958. Tomales Bay, California. Stomachs. Chapa (1969) as Separogermiductus e.

MONOGENEA

CAPSALIDAE

Megalocotyle marginata Folda, 1928. Washington. Gills. Folda (1928); San Pedro, California. Gills. Crane (1972).

NEMATODA

ANISAKIDAE

Contraecaecum sp. Larva. Northeastern Pacific. Mesenteries. Sekerak (1975).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

SCORPAENIDAE - Sebastes nigrocinctus Tiger Rockfish

SYNONYM - Sebastodes nigrocinctus

CESTODA

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Larva. Northeastern Pacific. Stomach walls, mesenteries. Sekerak (1975).

COPEPODA

CALIGIDAE

Lepeophtheirus paulus Cressey, 1969. Vancouver Island, British Columbia. Kabata (1973).

PHILICHTHYIDAE

Colobomatus kyphosus Sekerak, 1970. Northeastern Pacific. Cephalic canals. Sekerak (1975).

Sebastes nigrocinctus (continued)

NAOBRANCHIIDAE

Naobranchia occidentalis Wilson, 1915. Northeastern Pacific.
Gill filaments. Sekerak (1975).

DIGENEA

ZOOGONIDAE

Deretrema cholaeum McFarlane, 1936. Northeastern Pacific. Gall-
bladders. Sekerak (1975).

OPECOELIDAE

Neohelicometra sebastis Sekerak and Arai, 1974. Northeastern
Pacific. Pyloric caeca, intestines. Sekerak and Arai (1974).

SANGUINICOLIDAE

Psettarium sebastodorum Holmes, 1971. Many sites. Washington,
British Columbia. Hearts, bulbus arteriosus, ventral aortas.
Holmes (1971b).

HEMIURIDAE

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Washington.
Ching (1960a).

MONOGENEA

MICROCOTYLIDAE

Microcotyle sebastis Goto, 1894. Northeastern Pacific. Gills.
Sekerak (1975).

NEMATODA

TRICHURIDAE

Capillaria sp. Northeastern Pacific. Stomachs. Sekerak (1975).

ANISAKIDAE

Contraecaecum sp. Larva. Northeastern Pacific. Stomach walls,
mesenteries. Sekerak (1975).

SCORPAENIDAE - Sebastes paucispinis Boccacio

SYNONYMS - Sebastodes paucispinis, Sebastodes paucispirius

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808. Northeastern
Pacific. Pyloric caeca, intestines. Sekerak (1975).
Parabothriocephalus sagitticeps (Sleggs, 1927) Jensen, in preparation.
Southern California. Intestines. Jensen (1975).

TRYPANORHYNCHA

Gen. and sp. Larva. Southern California. Jensen (1975).

Sebastes paucispinis (continued)

COPEPODA

NAOBRANCHIIDAE

Naobranchia occidentalis Wilson, 1915. Northeastern Pacific.

Gill filaments. Sekerak (1975).

DIGENEA

HEMIURIDAE

Derogenes varicus (Müller, 1784) Looss, 1901. Northeastern Pacific. Stomachs. Sekerak (1975).

Derogenes crassus Manter, 1934. Oregon. McCauley (1960).

Lecithophyllum botryophorum (Olsson, 1868) Odhner, 1905. Northeastern Pacific. Stomachs. Sekerak (1975).

Sterrhurus exodicus (McFarlane, 1936) Yamaguti, 1958. Northeastern Pacific. Stomachs. Sekerak (1975).

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Northeastern Pacific. Stomachs. Sekerak (1975).

SANGUINICOLIDAE

Psettarium sebastodorum Holmes, 1971. British Columbia. Hearts. Holmes (1971a).

OPECOELIDAE

Podocotyle elongata Park, 1937. Dillon Beach, California. Intestines. Gale (1947).

Podocotyle sp. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

ZOOGONIDAE

Deretrema cholaeum McFarlane, 1936. Southern California. Gall-bladders. Jensen (1975).

LEPOCREADIIDAE

Neolepidapedon sebastisci (Yamaguti, 1938) Manter, 1954. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

BUCEPHALIDAE

Prosorhynchus crucibulum (Rudolphi, 1819). Odhner, 1905. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

ISOPODA

CYMOTHOIDAE

Livoneca vulgaris Stimpson, 1857. California. Jensen (1975).

MONOGENEA

CAPSALIDAE

Megalocotyle trituba Pratt and Aldrich, 1953. Oregon. Gills. Pratt and Aldrich (1953).

Pseudobenedenia noblei (Menzies, 1946) Yamaguti, 1963. Monterey Bay, California. Gills. Menzies (1946) as Benedenia noblei.

MICROCOTYLIDAE

Microcotyle sebastis Goto, 1894. San Pedro, California. Gills. Crane (1972).

Sebastes paucispinis (continued)

NEMATODA

TRICHURIDAE

Capillaria sp. Northeastern Pacific. Stomachs. Sekerak (1975).

ANISAKIDAE

Contracaecum sp. Larva. Northeastern Pacific. Pyloric caeca, intestines, mesenteries. Sekerak (1975).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Northeastern Pacific. Stomachs, pyloric caeca, intestines. Sekerak (1975).

Anisakis sp. Larva. British Columbia. Many places in body. Margolis (1952); Southern California. Jensen (1975).

CUCULLANIDAE

Cucullanus sp. Northeastern Pacific. Intestines. Sekerak (1975).

PROTOZOA (MYXOSPORIDA)

MYXOBOLIDAE

Henneguya sebasta Moser and Love, 1975. Central and Southern California. Bulbus, truncus arteriosus. Moser and Love (1975).

CERATOMYXIDAE

Leptotheca informis Auerbach, 1910. Southern California. Gallbladders. Moser, Love and Jensen (in preparation).

Ceratomyxa vepallida Meglitsch, 1960.

Southern California. Gallbladders. Moser, Love and Jensen (in preparation).

Ceratomyxa californica Jameson, 1929. Southern California. Gallbladders. Moser, Love and Jensen (in preparation).

Ceratomyxa sebasta Moser, Love, and Jensen (in preparation). Northern California. Gallbladders. Moser, Love and Jensen (in preparation).

CHLOROMYXIDAE

Kudoa clupeidae (Hahn, 1917) Meglitsch, 1947. Southern California. Muscles. Moser, Love and Jensen (in preparation).

MYXIDIIDAE

Myxidium incurvatum Thélohan, 1892. Southern California. Gallbladders. Moser, Love and Jensen (in preparation).

Myxidium calcariferi Chakravarty, 1943. Southern California. Gallbladders. Moser, Love, and Jensen (in preparation).

SCORPAENIDAE - Sebastes pinniger Canary RockfishSYNONYM - Sebastodes pinniger

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Larva. Northeastern Pacific. Stomach walls, mesenteries. Sekerak (1975).

PHYLLOBOTHRIIDAE

Phyllobothrium sp. Larva. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

COPEPODA

CALIGIDAE

Lepeophtheirus parviventris Wilson, 1905. British Columbia. Kabata (1973); Fraser (1920).

CHONDRACANTHIDAE

Chondracanthus pinguis Wilson, 1912. British Columbia. Fraser (1920); gill cavities. Kabata (1968).

LERNAEOPODIDAE

Brachiella robusta (Wilson, 1912) Kabata, 1970. British Columbia. Kabata (1970c); Fraser (1920) as Clavellopsis robusta.
Clavella parva Wilson, 1912. Northeastern Pacific. Fins. Sekerak (1975).

PHILICHTHYIDAE

Colobomatus kyphosus Sekerak, 1970. Northeastern Pacific. Cephalic canals. Sekerak (1975).

BOMOLOCHIDAE

Homobomolochus venustus Kabata, 1971. Northeastern Pacific. Nasal cavities. Sekerak (1975).

NAOBRANCHIIDAE

Naobranchia occidentalis Wilson, 1915. Northeastern Pacific. Gills. Sekerak (1975).

DIGenea

SANGUINICOLIDAE

Aporocotyle macfarlani Holmes, 1971. Washington, British Columbia. Heart regions and branchial arteries. Holmes (1971b).
Psettarium Sebastodorum Holmes, 1971. Washington, British Columbia. Heart region. Holmes (1971b).

BUCEPHALIDAE

Prosorhynchus sp. Pacific northwest. Liston, Peter, and Stern (1960).

Sebastes pinniger (continued)

Prosorhynchus crucibulum (Rudolphi, 1819) Odhner, 1905. North-eastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

SYNCOELIDAE

Syncoelium filiferum (Leuckart in Sars, 1885) Looss, 1899. North-eastern Pacific. Gills. Sekerak (1975).

HEMIURIDAE

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. North-eastern Pacific. Stomachs. Sekerak (1975).

Derogenes varicus (Müller, 1784) Looss, 1901. Northeastern Pacific. Stomachs. Sekerak (1975).

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. Northeastern Pacific. Intestines. Sekerak (1975).

LEPOCREADIIDAE

Neolepidapedon sebastisci (Yamaguti, 1938) Manter, 1954. North-eastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

Opechona alaskensis Ward and Fillingham, 1934. Northeastern Pacific. Intestines. Sekerak (1975).

OPECOELIDAE

Podocotyle sp. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

MONOGENEA

CAPSALIDAE

Megalocotyle trituba Pratt and Aldrich, 1953. Oregon. Pratt and Aldrich (1953).

Trochopus sp. Northeastern Pacific. Gills. Sekerak (1975).

NEMATODA

ANISAKIDAE

Contracaecum sp. Larva. Northeastern Pacific. Stomach walls, mesenteries. Sekerak (1975).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

Terranova decipiens (Krabbe, 1878) Johnston and Mawson, 1945. Pacific northwest. Liston, Peter, and Stern (1960) as Porrocaecum d.

Anisakis sp. Larva. Southern California. Livers. Jensen (1975).

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Ceratomyxa elegans Jameson, 1929. Southern California. Gallbladders. Moser, Love and Jensen (in preparation).

Ceratomyxa sebasta Moser, Love and Jensen (in preparation). Northern California. Gallbladders. Moser, Love and Jensen (in preparation).

SCORPAENIDAE - Sebastes proriger Redstripe Rockfish

SYNONYM - Sebastodes proriger

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. Northeastern Pacific.
Intestines. Sekerak (1975).

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808. Northeastern Pacific. Pyloric caeca. Sekerak (1975).

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Larva. Northeastern Pacific.
Stomach walls, mesenteries. Sekerak (1975).

COPEPODA

LERNAEPOPODIDAE

Brachiella robusta (Wilson, 1912) Kabata, 1970. British Columbia.
Kabata (1970c).

CHONDRACANTHIDAE

Chondracanthus pinguis Wilson, 1912. Northeastern Pacific. Gills.
Sekerak (1975).

Chondracanthus triventricosus Sekerak, 1970. Northeastern Pacific.
Nasal cavities. Sekerak (1975).

PHILICHTHYIDAE

Colobomatus kyphosus Sekerak, 1970. Northeastern Pacific. Cephalic
canals. Sekerak (1975).

NAOBRANCHIIDAE

Naobranchia occidentalis Wilson, 1915. Northeastern Pacific.
Gill filaments. Sekerak (1975).

LERNAEIDAE

Peniculus sp. Northeastern Pacific. Fins. Sekerak (1975).

DIGenea

SANGUINICOLIDAE

Psettarium sebastodorum Holmes, 1971. British Columbia. Hearts.
Holmes (1971a).

HEMIURIDAE

Derogenes varicus (Müller, 1784) Looss, 1901. Northeastern Pacific.
Stomachs. Sekerak (1975).

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. Northeastern Pacific.
Intestines. Sekerak (1975).

OPECOELIDAE

Podocotyle sp. Northeastern Pacific. Pyloric caeca, intestines.
Sekerak (1975).

Sebastes proriger (continued)

SYNCOELIDAE

Syncoelium filiferum (Leuckart in Sars, 1885) Looss, 1899. Northeastern Pacific. Gills. Sekerak (1975).

MONOGENEA

MICROCOTYLIDAE

Microcotyle sebastis Goto, 1894. Northeastern Pacific. Gills. Sekerak (1975).

CAPSALIDAE

Trochopus sp. Northeastern Pacific. Gills. Sekerak (1975).

NEMATODA

SPIRURIDAE

Ascarophis sebastis Olsen, 1952. Northeastern Pacific. Stomachs. Sekerak (1975).

ANISAKIDAE

Contracaecum sp. Larva. Northeastern Pacific. Stomachs, pyloric caeca, intestines. Sekerak (1975).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Northeastern Pacific. Pyloric caeca, stomachs, intestines. Sekerak (1975).

SCORPAENIDAE - Sebastes rastrelliger Grass Rockfish

SYNONYM Sebastodes rastrelliger

DIGENEA

OPECOELIDAE

Helicometrina nimia Linton, 1910. Dillon Beach, California. Stomachs, intestines. Johnson (1949b).

ZOOGONIDAE

Steganoderma (?) sp. Dillon Beach, California. Intestines. Johnson (1949b).

SCORPAENIDAE - Sebastes reedi Yellowmouth Rockfish

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808. Immature. Northeastern Pacific. Intestines, pyloric caeca. Sekerak (1975).

Sebastes reedi (continued)

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Larva. Northeastern Pacific.
Stomach walls, mesenteries. Sekerak (1975).

COPEPODA

LERNAEOPODIDAE

Brachiella robusta (Wilson, 1912) Kabata, 1970. Northeastern Pacific. Gill rakers. Sekerak (1975).

CHONDRACANTHIDAE

Chondracanthus pinguis Wilson, 1912. Northeastern Pacific. Gills.
Sekerak (1975).

Chondracanthus triventricosus Sekerak, 1970. Northeastern Pacific.
Nasal cavities. Sekerak (1975).

PHILICHTHYIDAE

Colobomatus kyphosus Sekerak, 1970. Northeastern Pacific. Cephalic canals. Sekerak (1975).

LERNAEIDAE

Peniculus sp. Northeastern Pacific. Fins. Sekerak (1975).

DIGENEA

OPECOELIDAE

Neohelicometra sebastis Sekerak and Arai, 1974. Northeastern Pacific.
Pyloric caeca, intestines. Sekerak and Arai (1974).

Podocotyle sp. Northeastern Pacific. Pyloric caeca, intestines.
Sekerak (1975).

HEMIURIDAE

Derogenes varicus (Müller, 1784) Looss, 1901. Northeastern Pacific.
Stomachs. Sekerak (1975).

Lecithophyllum botryophorum (Olsson, 1868) Odhner, 1905. Northeastern Pacific. Stomachs. Sekerak (1975).

BUCEPHALIDAE

Prosorhynchus crucibulum (Rudolphi, 1819) Odhner, 1905. Northeastern Pacific. Pyloric caeca. Sekerak (1975).

SANGUINICOLIDAE

Psettarium sebastodorum Holmes, 1971. Northeastern Pacific. Hearts.
Sekerak (1975).

MONOGENEA

CAPSALIDAE

Benedenia derzhavini (Layman, 1930) Meserve, 1938. Northeastern Pacific. Gills. Sekerak (1975).

Trochopus sp. Northeastern Pacific. Gills. Sekerak (1975).

Sebastes reedi (continued)

NEMATODA

ANISAKIDAE

Contracecum sp. Larva. Northeastern Pacific. Stomachs, stomach walls, intestines, mesenteries. Sekerak (1975).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Northeastern Pacific. Stomachs, pyloric caeca, intestines. Sekerak (1975).

SCORPAENIDAE - Sebastes rosaceus Rosy Rockfish

SYNONYM - Sebastodes rosaceus

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Ceratomyxa starksi Jameson, 1929. Monterey, California. Gallbladders. Jameson (1929).

Ceratomyxa elegans Jameson, 1929. Southern California. Gallbladders. Moser, Love and Jensen (in preparation).

Leptotheca informis Auerbach, 1910. Southern California. Gallbladders. Moser, Love and Jensen (in preparation).

SCORPAENIDAE - Sebastes ruberrimus Yelloweye Rockfish

SYNONYM - Sebastodes ruberrimus

ACANTHOCEPHALA

POLYMORPHIDAE

Corynosoma sp. Larva. Northeastern Pacific. Mesenteries. Sekerak (1975).

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. Northeastern Pacific. Intestines. Sekerak (1975).

CESTODA

PHYLLOBOTHRIIDAE

Phyllobothrium sp. Larva. Northeastern Pacific. Intestines. Sekerak (1975).

BOTHRIOCEPHALIDAE

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808. Immature. Northeastern Pacific. Intestines. Sekerak (1975).

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Larva. Northeastern Pacific. Mesenteries. Sekerak (1975).

Sebastes ruberrimus (continued)

COPEPODA

CALIGIDAE

Lepeophtheirus paulus Cressey, 1969. Vancouver Island, British Columbia. Kabata (1973).

LERNAEOPODIDAE

Brachiella robusta (Wilson, 1912) Kabata, 1970. British Columbia. Kabata (1970c).

PHILICHTHYIDAE

Sarcotaces arcticus Collett, 1874. British Columbia. Cysts in abdominal cavities, muscles. Kuitunen-Ekbaum (1947).

Colobomatus kyphosus Sekerak, 1970. Northeastern Pacific. Cephalic canals. Sekerak (1975).

CHONDRACANTHIDAE

Chondracanthus pinguis Wilson, 1912. Northeastern Pacific. Gills. Sekerak (1975).

Chondracanthus triventricosus Sekerak, 1970. Northeastern Pacific. Nasal cavities. Sekerak (1975).

BOMOLOCHIDAE

Holobomolochus venustus Kabata, 1971. Northeastern Pacific. Nasal cavities. Sekerak (1975).

DIGENEA

HEMIURIDAE

Derogenes varicus (Müller, 1784) Looss, 1901. Northeastern Pacific. Stomachs. Sekerak (1975).

Hemiurus levinseni Odhner, 1905. Washington. Lloyd (1938).

Lecithochirium medium Acena, 1941. Washington. Acena (1941).

LEPOCREADIIDAE

Opechona alaskensis Ward and Fillingham, 1934. Washington. Ching (1960a).

Neolepidapedon sebastisci (Yamaguti, 1938) Manter, 1954. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

OPECOELIDAE

Neohelicometra sebastis Sekerak and Arai, 1974. Northeastern Pacific. Pyloric caeca, intestines. Sekerak and Arai (1974).

Podocotyle sp. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

BUCEPHALIDAE

Prosorhynchus crucibulum (Rudolphi, 1819) Odhner, 1905. Northeastern Pacific. Intestines, pyloric caeca. Sekerak (1975).

ZOOGONIDAE

Deretrema cholaeum McFarlane, 1936. Northeastern Pacific. Gall-bladders. Sekerak (1975).

Sebastes ruberrimus (continued)

FELLODISTOMIDAE

Fellodistomum sebastodis Yamaguti and Matumura, 1942. Northeastern Pacific. Gallbladders. Sekerak (1975).

GORGODERIDAE

Phyllodistomum sp. Northeastern Pacific. Urinary bladders. Sekerak (1975).

MONOGENEA

CAPSALIDAE

Megalocotyle trituba Pratt and Aldrich, 1953. Oregon. Pratt and Aldrich (1953).

Megalocotyle marginata Folda, 1928. Alaska. Gills. Yamaguti (1963b).

Trochopus sp. Northeastern Pacific. Gills. Sekerak (1975).

NEMATODA

SPIRURIDAE

Ascarophis sebastodis Olsen, 1952. Northeastern Pacific. Stomachs, pyloric caeca, intestines. Sekerak (1975).

ANISAKIDAE

Contracaecum sp. Larva. Northeastern Pacific. Stomachs, pyloric caeca, mesenteries. Sekerak (1975).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Northeastern Pacific. Stomachs, pyloric caeca, intestines. Sekerak (1975).

CUCULLANIDAE

Cucullanus sp. Northeastern Pacific. Intestines. Sekerak (1975).

Cucullanus elongatus Smedley, 1933. Northeastern Pacific. Intestines. Sekerak (1975).

TRICHURIDAE

Capillaria sp. Northeastern Pacific. Intestines. Sekerak (1975).

SCORPAENIDAE - Sebastes rubrivinctus Flag Rockfish

SYNONYM - Sebastodes rubrivinctus

COPEPODA

CALIGIDAE

Lepeophtheirus parviventris Wilson, 1905. California. Wilson (1908); good drawing Kabata (1973).

Lepeophtheirus salmonis (Krøyer, 1838). Pacific coast, United States. Kazachenko, Korotaeva, Kurochkin (1972).

Sebastes rubrivinctus (continued)

LERNAEOPODIDAE

Brachiella robusta (Wilson, 1912) Kabata, 1970. British Columbia.
Kabata (1970c).

NEMATODA

ANISAKIDAE

Thynnascaris sp. Southern California. Stomachs, intestines.
Jensen (1975).

SCORPAENIDAE - Sebastes rufus Bank Rockfish

PROTOZOA (MYXOSPORIDA)

MYXOBOLIDAE

Henneguya sebasta Moser and Love, 1975. Southern California.
Hearts. Moser, Love and Jensen (in preparation).

SCORPAENIDAE - Sebastes saxicola Stripetail Rockfish

MONOGENEA

MICROCOTYLIDAE

Microcotyle sebastis Goto, 1894. San Pedro, California. Gills.
Crane (1972).

SCORPAENIDAE - Sebastes serranoides Olive RockfishSYNONYMS - Sebastodes serranoides

COPEPODA

BOMOLOCHIDAE

Holobomolochus spinulus (Cressey, 1969) Kabata, 1971. La Jolla,
California. Gill cavities. Cressey (1969b).

CALIGIDAE

Caligus hobsoni Cressey, 1969. La Jolla, California. Hobson (1971).

ISOPODA

Gen. and sp. Gnathiid larva. La Jolla, California. Body surfaces.
Hobson (1971).

Sebastes serranoides (continued)

PROTOZOA (MYXOSPORIDA)

MYXOBOLIDAE

Henneguya sebasta Moser and Love, 1975. Northern, Central, and Southern California. Bulbus, truncus arteriosus. Moser and Love (1975).

CERATOMYXIDAE

Ceratomyxa laxa Meglitsch, 1960. Southern California. Gallbladders. Moser, Love and Jensen (in preparation).

Ceratomyxa sebasta Moser, Love and Jensen (in preparation). Central California. Gallbladders. Moser, Love and Jensen (in preparation).

Ceratomyxa vepallida Meglitsch, 1960. Southern California. Gallbladders. Moser, Love and Jensen (in preparation).

Leptotheca informis Auerbach, 1910. Northern, Central, Southern California. Gallbladders. Moser, Love and Jensen (in preparation).

Leptotheca longipes Auerbach, 1910. Central California. Gallbladders. Moser, Love, and Jensen (in preparation).

Leptotheca macrospora Auerbach, 1909. Southern, Central California. Gallbladders. Moser, Love and Jensen (in preparation).

Leptotheca sebasta Moser, Love and Jensen (in preparation). Southern California. Gallbladders. Moser, Love and Jensen (in preparation).

MYXIDIIDAE

Myxidium incurvatum Thélohan, 1892. Central California. Gallbladders. Moser, Love and Jensen (in preparation).

Zschokkella ilishae Chakravarty, 1941. Central California. Gallbladders. Moser, Love and Jensen (in preparation).

-SEE ADDENDUM

SCORPAENIDAE - Sebastes serriceps Treefish

SYNONYM - Sebastodes serriceps

COPEPODA

CALIGIDAE

Lepeophtheirus paulus Cressey, 1969. La Jolla, California. Roofs of mouths. Cressey (1969b); figured in Kabata (1973).

Lepeophtheirus longipes Wilson, 1905. La Jolla, California. Body surfaces. Hobson (1971).

DIGENEA

OPECOELIDAE

Pellamyzon Sebastodis Montgomery, 1957. La Jolla, California. Intestines. Montgomery (1957).

Helicometrinia nimia Linton, 1910. La Jolla, California. Intestines. Montgomery (1957).

Sebastes serriceps (continued)

SANGUINICOLIDAE

Psettarium sebastodorum Holmes, 1971. San Diego, California.
Holmes (1975).

ISOPODA

Gen. and sp. Gnathiid larva. La Jolla, California. Body surfaces.
Hobson (1971).

MONOGENEA

CAPSALIDAE

Megalocotyle marginata Folda, 1928. San Diego, California. Holmes
(1975) as Trochopus m.

SCORPAENIDAE - Sebastes umbrosus Honeycomb Rockfish

SYNONYM - Sebastodes umbrosus

MONOGENEA

MICROCOTYLIDAE

Microcotyle sebastis Goto, 1894. San Francisco, California. Gills.
Crane (1972).

CAPSALIDAE

Megalocotyle marginata Folda, 1928. San Diego, California. Holmes
(1975) as Trochopus m.

SCORPAENIDAE - Sebastes vexillaris Whitebelly Rockfish

SYNONYM - Sebastodes vexillaris

DIGENEA

LEPOCREADIIDAE

Helicometrina nimia Linton, 1910. Intestines. Arai (1962).

PROTOZOA (MYXOSPORIDA)

MYXOBOLIDAE

Henneguya sebasta Moser and Love, 1975. Central California. Bulbus,
truncus arteriosus. Moser and Love (1975).

SCORPAENIDAE - Sebastes wilsoni Pygmy RockfishSYNONYM - Sebastodes wilsoni

DIGenea

OPECOELIDAE

Podocotyle atomon (Rudolphi, 1802) Odhner, 1905. Puget Sound, Washington. Aldrich (1960).Podocotyle sp. Northeastern Pacific. Intestines. Sekerak (1975).

MONOGENEA

MICROCOTYLIDAE

Microcotyle sebastis Goto, 1894. Northeastern Pacific. Gills. Sekerak (1975).

NEMATODA

ANISAKIDAE

Contracecum sp. Larva. Northeastern Pacific. Mesenteries. Sekerak (1975).SCORPAENIDAE - Sebastes zacentrus Sharpchin RockfishSYNONYMS - Sebastodes zacentrus

ACANTHOCEPHALA

POLYMORPHIDAE

Corynosoma sp. Larva. Northeastern Pacific. Mesenteries. Sekerak (1975).

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. Northeastern Pacific. Intestines. Sekerak (1975).

CESTODA

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Larva. Northeastern Pacific. Stomach walls, mesenteries. Sekerak (1975).

BOTHRIOCEPHALIDAE

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808. Immature. Northeastern Pacific. Intestines. Sekerak (1975).

PHYLLOBOTHRIIDAE

Phyllobothrium sp. Larva. Northeastern Pacific. Gallbladders, intestines. Sekerak (1975).

COPEPODA

CHONDRACANTHIDAE

Chondracanthus pinguis Wilson, 1912. Northeastern Pacific. Nasal cavities. Sekerak (1975).

Sebastes zacentrus (continued)

PHILICHTHYIDAE

Colobomatus kyphosus Sekerak, 1970. Northeastern Pacific. Cephalic canals. Sekerak (1975).

LERNAEOCERIDAE

Haemobaphes theragrae Yamaguti, 1939. Northeastern Pacific. Gills. Sekerak (1975).

LERNAEOPODIDAE

Brachiella robusta (Wilson, 1912) Kabata, 1970. British Columbia. Kabata, 1970. British Columbia. Kabata (1970c).

DIGENEA

SANGUINICOLIDAE

Psettarium sebastodorum Holmes, 1971. Many sites. Washington, British Columbia. Hearts, bulbus arteriosus, ventral aortas. Holmes (1971b).

LEPOCREADIIDAE

Opechona alaskensis Ward and Fillingham, 1934. Northeastern Pacific. Pyloric caeca, intestines. Sekerak (1975).

Neolepidapedon sebastisci (Yamaguti, 1938) Manter, 1954. Northeastern Pacific. Pyloric caeca. Sekerak (1975).

FELLODISTOMIDAE

Fellodistomum sebastodis Yamaguti and Matumura, 1942. Northeastern Pacific. Gallbladders. Sekerak (1975).

HEMIURIDAE

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. Northeastern Pacific. Intestines. Sekerak (1975).

Derogenes varicus (Müller, 1784) Looss, 1901. Northeastern Pacific. Stomachs. Sekerak (1975).

OPECOELIDAE

Podocotyle sp. Northeastern Pacific. Intestines, pyloric caeca. Sekerak (1975).

Neohelicometra sebastis Sekerak and Arai, 1974. Northeastern Pacific. Pyloric caeca, intestines. Sekerak and Arai (1974).

BUCEPHALIDAE

Prosorhynchus crucibulum (Rudolphi, 1819) Odhner, 1905. Northeastern Pacific. Pyloric caeca. Sekerak (1975).

MONOGENEA

MICROCOTYLIDAE

Microcotyle sebastis Goto, 1894. Northeastern Pacific. Gills. Sekerak (1975).

CAPSALIDAE

Trochopus sp. Northeastern Pacific. Gills. Sekerak (1975).

Benedenia derzhavini (Layman, 1930) Meserve, 1938. Northeastern Pacific. Gills. Sekerak (1975).

Sebastes zacentrus (continued)

NEMATODA

SPIRURIDAE

Ascarophis sebastodis Olsen, 1952. Northeastern Pacific. Stomachs.
Sekerak (1975).

ANISAKIDAE

Contracaecum sp. Larva. Northeastern Pacific. Stomach walls, mesenteries. Sekerak (1975).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Northeastern Pacific. Intestines. Sekerak (1975).

SCORPAENIDAE - Sebastolobus sp. Thornyhead

PROTOZOA (MYXOSPORIDA)

Gen. and sp. Southern California. Gallbladders. Noble (1966a).

CARANGIDAE - Seriola dorsalis Yellowtail

COPEPODA

CALIGIDAE

Caligus productus Dana, 1853. Ensenada, Mexico. Causey (1960).

Caligus chorinemi Kollar in Krøyer, 1863. Columbia, Costa Rica.
Wilson (1937a).

Caligus tenuicaudatus Shiino, 1959. Baja California, Mexico.
Exteriors. Shiino (1959a).

Caligus lunatus Wilson, 1928. Panama. Gills. Wilson (1937a).

Caligus coryphaenae Steenstrup and Lütken, 1861. Albamarle Island.
Skins. Wilson (1937a) as C. aliuncus.

LERNAEIDAE

Lernaeenicus longiventris Wilson, 1917. Mazatlan, Mexico. Causey (1960).

DIGenea

ACANTHOCOLPIDAE

Stephanostomum hispidum (Yamaguti, 1934) Manter, 1940. Mexico,
Panama. Intestines. Manter (1940a).

HEMIURIDAE

Lecithochirium magnaporum Manter, 1940. Galapagos. Stomachs.
Manter (1940a).

Seriola dorsalis (continued)

BUCEPHALIDAE

Bucephalus introversus Manter, 1940. Columbia, Mexico. Stomachs.
Manter (1940a).

MONOGENEA

AXINIDAE

Zeuxapta seriolae (Meserve, 1938) Yamaguti, 1963. Galapagos
Island. Gills. Meserve (1938) as Axine seriolae; redescribed La-
mothe-Argumedo (1970).

NEMICHTHYIDAE - Serrivomer sector Sawtooth Snipe-eel

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. Catalina Basin, Santa Cruz Basin, California;
South of Pt. Eugenia, Baja California, Mexico. Mesenteries, in-
testines. Collard (1968).

Terranova sp. Larva. South Pt. Eugenia, Baja California, Mexico.
Mesenteries. Collard (1968).

SPIRURIDAE

Ascarophis sp. Larva. Southern California. Mesenteries. Collard
(1968).

PROTOZOA (MYXOSPORIDA)

Gen. and sp. Southern California. Gallbladders. Noble (1966a).

"SOLE"

DIGenea

HEMIURIDAE

Sterrhurus exodicus (McFarlane, 1936) Yamaguti, 1958. Monterey
Bay, California. Stomachs. Chapa (1969) as Separogermiductus e.

OPECOELIDAE

Genitocotyle acirra Park, 1937. California. Stomachs, intestines.
Johnson (1949b).

SQUALIDAE - Somniosus pacificus Pacific Sleeper Shark

SYNONYMS - Somniosus microcephalus, Somniosus brevipinna

CESTODA

PHYLLOBOTHRIIDAE

Phyllobothrium magnum Hart, 1936. Puget Sound, Washington. Hart (1936b) [=Monogyra m. - Williams (1968)].
Monorygma perfectum (Van Beneden, 1853) Diesing, 1863. Alaska. Stomachs. Linton (1924).

MONOGENEA

HEXABOTHRIIDAE

Erpocotyle somniosi (Causey, 1926) Price, 1942. Alaska. Gills. Guberlet (1936a) as Squalonchocotyle s.

TETRAODONTIDAE - Spherooides sp. Puffer

COPEPODA

CHONDROCANTHIDAE

Pseudochondracanthus diceraus Wilson, 1908. La Jolla, California. Gills and gill cavities. Wilson (1908a).

TETRAODONTIDAE - Spherooides annulatus Bullseye Puffer

SYNONYMS - Cheilichthys annulatus

COPEPODA

CALIGIDAE

Caligus latifrons Wilson, 1905. Guaymas, Mexico. Causey (1960).
Lepeophtheirus dissimulatus Wilson, 1905. Eastern Pacific. Lewis (1967).

BOMOLOCHIDAE

Holobomolochus attenuatus (Wilson, 1913) Vervoort, 1969. Ecuador. Gills. Wilson (1937a) as Bomolochus a.

DIGENEA

APOCREADIIDAE

Apocreadium longisinosum Manter, 1937. Panama. Intestines. Caballero, Bravo-Hollis and Grocott (1952); Galapagos Islands. Rectums. Manter (1940a).

Spherooides annulatus (continued)

ALLOCREADIIDAE

Bianium plicatum (Linton, 1928) Stunkard, 1930. Bahia Santa Ines, Bahia Coyote, Baja California, Mexico. Arai (1962) as Diploproctodaeum p.; Galapagos Islands and Ecuador. Intestines. Manter (1940a).

ACCACOEELIDAE

Tetrochetus proctocolus Manter, 1940. Galapagos Islands. Rectums. Manter (1940a).

SANGUINICOLIDAE

Cardicola tropicus (Manter, 1940) Short, 1953. Ecuador. Coeloms, intestines. Manter (1940a) as Psettarium t.

FELLODISTOMIDAE

Lintonium srivastavi Lamothe-Argumedo, 1969. Oaxaca, Mexico. Intestines. Lamothe-Argumedo (1969a).

GORGODERIDAE

Phyllodistomum mirandai Lamothe-Argumedo, 1969. Oaxaca, Mexico. Urinary bladders. Lamothe-Argumedo (1969a).

MONOGENEA

CAPSALIDAE

Benedenia melleni (MacCullum, 1927) Johnston, 1929. New York Aquarium. Eyes. Yamaguti (1963b) as Neobenedenia m.

DISCOCOTYLIDAE

Tagia ecuadori (Meserve, 1938) Sproston, 1946. Panama. Gills. Caballero, Bravo-Hollis and Grocott (1953); Galapagos Islands. Gills. Meserve (1938) as Heterobothrium e.; Mexico. Lamothe-Argumedo (1967b).

SPHYRAENIDAE - Sphyraena argentea California Barracuda

CESTODA

TRYPANORHYNCHA

Gen. and sp. Larva. Southern California. Jensen (1975).

COPEPODA

CALIGIDAE

Lepeophtheirus dissimulatus Wilson, 1905. Ensenada, Baja California, Mexico. Causey (1960).

Caligus productus Dana, 1953. Guaymas, Mexico. Causey (1960).

Caligodes laciniatus (Krøyer, 1863) Heller, 1865. Guaymas, Mexico. Causey (1960).

Sphyraena argentea (continued)

BOMOLOCHIDAE

Bomolochus solae Claus, 1864. Ensenada, Baja California, Mexico.
Causey (1960).

MONOGENEA

AXINIDAE

Heteraxine argentea (Crane, 1972) Crane, 1974. San Diego, California.
Gills. Crane (1972) as Pseudochauhanea a.

SPHYRINIDAE - Sphyrna lewini Scalloped Hammerhead

COPEPODA

EUDACTYLINIDAE

Krøyeria praelongacicula Lewis, 1966. Hawaii. Gill cavities.
Lewis (1966).

PANDARIDAE

Pandarus cranchii Leach, 1819. Hawaii. External surfaces. Lewis
(1966).

SPHYRIIDAE

Paeon vaissierei ? Delamare-Deboutteville and Nunes-Ruivo, 1953.
Hawaii. Gill cavities. Lewis (1966).

EURYPHORIDAE

Alebion echinatus Capart, 1953. Hawaii. External surfaces. Lewis
(1966).

MONOGENEA

HEXABOTHRIIDAE

Erpocotyle sphyrnae (MacCallum, 1931) Price, 1942. Hawaii. Gills.
Yamaguti (1968b).

SPHYRINIDAE - Sphyrna tiburo BonnetheadSYNONYMS - Reniceps tiburo, Sphyrna tibulo, Cestracion tiburo

CESTODA

TRYPANORHYNCHA

Dibothriorhynchus maccallumi MacCallum, 1921. Australia. Yamaguti (1959b) [Species Incertae Sedis - Yamaguti (1959b)].Rhynchobothrium plicatum Linton, 1905. Yamaguti (1959b) [Species Incertae Sedis - Yamaguti (1959b)].

COPEPODA

BOMOLOCHIDAE

Taeniacanthus albidus Wilson, 1911. North Carolina. Wilson (1911).

PANDARIDAE

Pandarus sinuatus Say, 1817. Texas. Body surfaces. Causey (1955).Perissopus dentatus Steenstrup and Lütken, 1861. West Florida.

Body surfaces. Cressey (1970).

Perissopus communis Rathbun, 1887. Gulf of Mexico. On body surfaces. Bere (1936).Nesippus alatus Wilson, 1907. Texas. Pearse (1952); North Carolina. Throats. Wilson (1932).

EUDACTYLINIDAE

Nemesis pallida Wilson, 1932. Florida. Bere (1936).Eudactylina longispina Bere, 1936. West Florida. Gills. Bere (1936).Eudactylinodes nigra (Wilson, 1908) Wilson, 1932. North Carolina. Gill filaments. Wilson (1908b) as Eudactylina n.

SPHYRIIDAE

Paeon ferox Wilson, 1919. Texas. Gills. Pearse (1952).

CALIGIDAE

Caligus praetextus Bere, 1936. Gulf of Mexico. Bere (1936).

MONOGENEA

HEXABOTHRIIDAE

Erpocotyle tiburonis (Brooks, 1934) Yamaguti, 1963. Florida. Price (1942) as Neoerpocotyle t.

NEMATODA

SPIRURIDAE

Parascarophis galeata (Linton, 1905) Campana-Rouget, 1955. North Carolina. Airbladders, esophagus. Yamaguti (1961).

PROTOZOA (MYXOSPORIDA)

CHLOROMYXIDAE

Chloromyxum sphyrnae Cunha and Fonseca, 1918. Brazil. Gallbladders. Kudo and Meglitsch (in preparation).Chloromyxum leydigi Mingazzini, 1890. North Carolina. Gallbladders. Kudo (1920).

Sphyrna tiburo (continued)

CERATOMYXIDAE

Ceratomyxa mesospora Davis, 1917. North Carolina. Gallbladders.
Kudo (1920).

SPHYRINIDAE - Sphyrna zygaena Smooth Hammerhead

SYNONYM - Cestracion zygaena

CESTODA

PHYLLOBOTHRIDAE

Marsupiobothrium forte (Linton, 1924) Yamaguti, 1959. Massachusetts.
Spiral valves. Linton (1924) as Orygmatobothrium f.

ONCOBOTHRIDAE

Anthobothrium laciniatum Linton, 1890. France. Euzet (1956);
Massachusetts. Linton (1924).

Phoreiobothrium exceptum Linton, 1924. Massachusetts. Linton
(1924); France. Euzet (1956).

Phoreiobothrium pectinatum Linton, 1924. Massachusetts. Spiral
valves. Linton (1924); France. Euzet (1956).

Phoreiobothrium lasium Linton, 1889. Massachusetts. Linton (1924).

Platybothrium parvum Linton, 1901. Massachusetts. Spiral valves.
Linton (1924); France. Euzet (1956).

Thysanocephalum crispum (Linton, 1889) Linton, 1891. Massachusetts.
Spiral valves. Linton (1924); France. Euzet (1956).

PROTEOCEPHALIDAE

Prosobothrium adhaerens (Linton, 1924) Riser, 1955. Massachusetts.
Linton (1924) as Ichthyotaenia a.

TENTACULARIIDAE

Nybelinia bisulcata (Linton, 1889) Dollfus, 1929. Yamaguti (1959b).

Nybelinia palliata (Linton, 1924) Dollfus, 1929. Florida. Chandler
(1954); Massachusetts. Spiral valves. Linton (1924) as Tetrarhyn-
chus palliatus.

Nybelinia sphyrnae Yamaguti, 1952. Japan. Yamaguti (1952).

Nybelinia syngenes Pintner, 1928. Japan, Florida. Yamaguti (1959).

Tentacularia coryphaenae Bosc, 1802. Bonin Islands, Pacific.
Stomachs, intestines. Dollfus (1942).

OTOBOTHRIDAE

Otobothrium crenacolle Linton, 1890. Massachusetts. Spiral valves.
Linton (1890).

Otobothrium penetrans Linton, 1907. Massachusetts. Spiral valves.
Linton (1924).

Otobothrium propecysticum Dollfus, 1969. Mediterranean. Intestines.
Dollfus (1969a).

Otobothrium pephrikos Dollfus, 1969. Mediterranean. Intestines.
Dollfus (1969a).

Sphyrna zygaena

COPEPODA

PANDARIDAE

- Perissopus dentatus Steenstrup and Lutken, 1861. Hewitt and Hine (1972).
Perissopus oblongatus (Wilson, 1908) Cressey, 1967. Gulf of California. Body surfaces. Wilson (1944) as Achtheinus d.
Pandarus satyrus Dana, 1852. Japan. Body surfaces. Shiino (1954e).
Pandarus smithii Rathbun, 1886. Brazil. Cressey (1967c); Japan. Yamaguti (1963a).
Pandarus cranchii Leach, 1819. Formosa. Body surfaces. Fins. Cressey (1967c).
Nesippus crypturus Heller, 1865. Java, Puerto Rico. Lewis (1966).
Nesippus orientalis Heller, 1865. South Africa. Mouths, gill arches. Cressey (1967c); Angola. Nunes-Ruivo (1956).
Nesippus alatus Wilson, 1907. North Carolina, Massachusetts. Throats. Wilson (1932).
Echthrogaleus denticulatus Smith, 1874. Japan. Body surfaces. Shiino (1959e).
Parapandarus nodulosus Wilson, 1924. Massachusetts. Gills. Wilson (1924).
Gangliopus japonicus Shiino, 1960. Japan. Body surfaces. Shiino (1960b).

EURYPHORIDAE

- Alebion echinatus Capart, 1953. Japan. Shiino (1955a).
Alebion crassus Wilson, 1932. Japan. Cressey (1972); Massachusetts. Wilson (1932).

EUDACTYLINIDAE

- Krøyeria gracilis Wilson, 1932. Gulf of Mexico. Gills. Bere (1936).
Krøyeria lineata Van Beneden, 1853. Massachusetts. Gills. Wilson (1924); Mediterranean. Delamare-Deboutteville and Nunes-Ruivo (1958).
Krøyeria papillipes Wilson, 1932. Massachusetts. Gills. Wilson (1932).
Krøyeria echinata Rangnekar, 1956. Bombay, India. Body surfaces. Rangnekar (1956).
Krøyeria sphyrnae Rangnekar, 1957. India. Pillai (1967).
Krøyeria trecai Delamare-Deboutteville and Nunes-Ruivo, 1958. Senegal. Yamaguti (1963b).
Nemesis versicolor Wilson, 1913. Jamaica. Wilson (1913).
Nemesis pallida Wilson, 1932. Gulf of Mexico. Gills. Bere (1936).
Nemesis robusta (Van Beneden, 1851) Brian, 1906. Angola. Nunes-Ruivo (1956).

BOMOLOCHIDAE

- Taeniacanthus flagellans Wilson, 1913. Jamaica. Gill cavities. Wilson (1913).

Sphyrna zygaena (continued)

ERGASILIDAE

Ergasilus myctarothus Wilson, 1913. Jamaica. Nasal tubes. Wilson (1913).

CALIGIDAE

Lepeophtheirus longispinosus Wilson, 1908. North America. Inside gill cavities. Wilson (1908b).

MONOGENEA

CAPSALIDAE

Tristoma coccineum Cuvier, 1817. Massachusetts. Price (1939).

HEXABOTHRIIDAE

Erpocotyle sphyrnae (MacCallum, 1931) Price, 1942. Massachusetts. Gills. Price (1942).

Erpocotyle microstoma (Brooks, 1934) Yamaguti, 1963. North Carolina. Price (1942) as Neoerpocotyle m.; North Carolina. Gills. Brooks (1934) as Squalonchocotyle microstoma.

Erpocotyle grisea (Cerfontaine, 1899). Atlantic. Price (1942) as Neoerpocotyle.

Neoerpocotyle platensis Mane-Garzon, 1968. Uruguay. Gills. Mane-Garzon and Hollman-Spector (1968).

LOIMOIDAE

Loimosina wilsoni Manter, 1944. Jamaica. Gills. Yamaguti (1963b).

MONOCOTYLIDAE

Cathariotrema selachii (MacCallum, 1916) Johnston and Tiegs, 1922. Massachusetts. Nasal glands. MacCallum (1916) as Monocotyle selachii; redescribed Price (1938a).

NEMATODA

ANISAKIDAE

Acanthocheilus nudiflex Linton, 1900. Massachusetts. Yamaguti (1961) ["Should not be referred to this genus - Yamaguti (1961)"]

PROTOZOA (MYXOSPORIDA)

CHLOROMYXIDAE

Chloromyxum sp. India. Gallbladders. Tripathi (1953).

Chloromyxum leydigi Mingazzini, 1890. North Carolina. Gallbladders. Kudo (1920).

CERATOMYXIDAE

Ceratomyxa recurvata Davis, 1917. North Carolina. Gallbladders. Kudo (1920).

Ceratomyxa mesospora Davis, 1917. North Carolina. Gallbladders. Kudo (1920).

Leptotheca fusiformis Davis, 1917. North Carolina. Gallbladders. Kudo (1920).

OSMERIDAE - Spirinchus thaleichthys Longfin Smelt

DIGenea

FELLODISTOMIDAE

Pentagramma petrowi (Layman, 1930) Margolis and Ching, 1965. British Columbia. Pyloric caeca, intestines. Margolis and Ching (1965).

SQUALIDAE - Squalus acanthias Spiny Dogfish

SYNONYMS - Acanthias vulgaris, Squalus lebruni, Squalus kirki,
Squalus suckleyi

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. Golvan (1961).

CESTODA

PHYLLOBOTHRIIDAE

Phyllobothrium gracile Wedl, 1855. Sea of Japan. Zhukov (1960a).

Phyllobothrium thridax Van Beneden, 1849. Sea of Japan. Zhukov (1960a).

Phyllobothrium squali Yamaguti, 1952. Japan. Yamaguti (1952); France. Euzet (1956) as Crossobothrium s. [= Crossobothrium s. - Williams (1968)].

Phyllobothrium lactuca Van Beneden, 1850. France. Joyeux and Baer (1936).

Phyllobothrium sp. Newfoundland. Threlfall (1969).

Scyphophyllidium giganteum (Van Beneden, 1858) Woodland, 1927. Newfoundland. Threlfall (1969).

Rhodobothrium pulvinatum Linton, 1889. Massachusetts. Yamaguti (1959b).

Monorygma sp. Massachusetts. Linton (1924).

Anthobothrium pulvinatum Linton, 1890. Massachusetts. Linton (1924).

OTOBOTHRIIDAE

Otobothrium crenacolle Linton, 1890. Larva. Massachusetts. Stomachs. Linton (1924).

PTYCHOBOTHRIIDAE

Cleistobothrium crassiceps (Rudolphi, 1819) Lühe, 1899. Massachusetts. "Introduced with Food". Linton (1924).

GILQUINIDAE

Gilquinia squali (Fabricius, 1794) Dollfus, 1930. Ocean off Humboldt Bay, California. Spiral valves. Pappas (1968); Catalina Channel, California. Heinz and Dailey (1974); British Columbia. Margolis (1952); Newfoundland. Threlfall (1969); Sea of Japan. Zhukov (1960a).

Squalus acanthias (continued)

HEPATOXYLIDAE

Hepatoxylon trichiuri (Holten, 1802) Dollfus, 1942. Postlarva.
New Zealand. Body cavities. Robinson (1959a); Mediterranean.
Dollfus (1942).

TENTACULARIIDAE

Nybelinia bisulcata (Linton, 1889) Dollfus, 1929. Massachusetts.
Stomachs. Dollfus (1942).

ONCOBOTHRIIDAE

Acanthobothrium coronatum (Rudolphi, 1819) Van Beneden, 1849. France.
Joyeux and Baer (1936).

Calliobothrium verticillatum (Rudolphi, 1819) Van Beneden, 1850.
Massachusetts. Spiral valves. Linton (1924); France. Joyeux
and Baer (1936).

LACISTORHYNCHIDAE

Grillotia erinaceus (Van Beneden, 1858) Guiart, 1927. Massachusetts.
Spiral valves. Linton (1924) as Rhynchobothrium imparispine.
Lacistorhynchus tenuis (Van Beneden, 1858) Dollfus, 1929. France.
Joyeux and Baer (1936); Massachusetts. Spiral valves. Linton
(1924) as Rhynchobothrium bulbifer.

PROTEOCEPHALIDAE

Prosobothrium armigerum Cohn, 1902. Atlantic. Cohn (1902); France.
Joyeux and Baer (1936).

EUTETRARHYNCHIDAE

Eutetrarhynchus ruficollis (Eysenhardt, 1829) Pintner, 1913. France.
Joyeux and Baer (1936).

TRILOCULARIIDAE

Trilocularia acanthiaevulgaris (Olson, 1867) Olson, 1869. France.
Euzet (1956); immature. Iceland. Stomachs, spiral valves.
Manger (1972); New Zealand. Alexander (1963); Newfoundland. Threl-
fall (1969) as T. gracilis.

TRYPANORHYNCHA

Tetrarhynchus tetrabothrium Van Beneden, 1849. Pacific Grove,
California. Pintner (1930).

COPEPODA

PANDARIDAE

Demoleus latus Shiino, 1954. New Zealand. Hewitt (1967).
Demoleus heptatus (Otto, 1821) Heller, 1868. Britain. Body
surfaces. Leigh-Sharpe (1933) as D. paradoxus.
Pandarus spinaciaacanthias Hesse, 1883. Wilson (1907b) as Nogagus
s-a (Species Inquireae).
Pandarus bicolor Leach, 1816. North Atlantic; Netherlands. Body
surfaces. Cressey (1967c); Pacific Grove, California. Wilson
(1935b); New Zealand. Hewitt (1967).

Squalus acanthias (continued)

Perissopus oblongatus (Wilson, 1908) Cressey, 1967. Angola. Nunes-Ruivo (1956) as Achtheinus dentatus.

Nogagus ambiguus Scott, 1907. Britain. Body surfaces. Leigh-Sharpe (1933) [A male of some species of Perissopus - Yamaguti (1963a)].

Echthrogaleus coleoptratus (Guerin, 1837) Wilson, 1907. Newfoundland. Yamaguti (1963a).

TREBIIDAE

Trebius caudatus Krøyer, 1838. Lewis (1966).

EURYPHORIDAE

Alebion gracilis Wilson, 1905. Layman Island, Pacific. Outside surfaces. Wilson (1932).

Alebion glaber Wilson, 1907. Massachusetts. Exteriors. Wilson (1907a).

CECROPIDAE

Philorthagoriscus serratus (Krøyer, 1863) Horst, 1897. Newfoundland. Yamaguti (1963a).

CALIGIDAE

Caligus gurnardi Krøyer, 1863. Scandanavia. Parker (1965).

Caligus curtus Müller, 1785. Scandanavia. Parker, Kabata, Margolis and Dean (1968).

Caligus elongatus Nordmann, 1832. New England. External surfaces. Wilson (1905b); Greenland, North Sea. Wilson (1932) both as C. rapax.

Caligus coryphaenae Steenstrup and Lütken, 1861. Indian Ocean. Fins. Wilson (1923); South Africa. Barnard (1955).

Lepeophtheirus cuneifer Kabata, 1974. Alaska. Kabata (1975). Questionable host.

LERNAEOPODIDAE

Lernaeopoda galei Krøyer, 1837. Yamaguti (1963a).

Pseudocharopinus bicaudatus (Krøyer, 1837) Kabata, 1964. Massachusetts. Wilson (1932); Britain. Delamare-Deboutville and Nunes (1952) both as Charopinus bicaudatus.

EUDACTYLINIDAE

Eudactylina acuta Van Beneden, 1853. Britain. Gills. Leigh-Sharpe (1933).

Eudactylina acanthii Scott, 1901. Angola. Nunes-Ruivo (1956); British Columbia. Bere (1930a); New Brunswick. Gills. Bere (1930b).

Eudactylina valei Nunes-Ruivo, 1956. Angola. Nunes-Ruivo (1956).

DIGENEA

AZYGIIDAE

Otodistomum veliporum (Creplin, 1837) Stafford, 1904. British Columbia. Stomachs. Margolis (1952); Newfoundland. Threlfall (1969).

Squalus acanthias (continued)

GORGODERIDAE

Probolitrema richiardi (Lopez, 1888) Looss, 1902. Body cavities.
Yamaguti (1971).

Probolitrema philipi Woolcock, 1935. New Zealand. Body cavities.
Manter (1954a).

BUCEPHALIDAE

Prosorhynchus squamatus Odhner, 1905. Gulf of St. Lawrence. Myers
(1959).

HEMIURIDAE

Genarchopsis muelleri (Levinsen, 1881) Yamaguti, 1954. Sea of
Japan. Stomachs. Zhukov (1960a) as Genarches m.

Derogenes varicus (Müller, 1784) Looss, 1901. Newfoundland.
Threlfall (1969).

Hemiurus levinseni Odhner, 1905. Gulf of St. Lawrence. Myers
(1959).

ZOOGONIDAE

Steganoderma formosum Stafford, 1904. Newfoundland. Threlfall
(1969).

HIRUDINEA

PISCICOLIDAE

Calliobdella nodulifera (Malm). Newfoundland. Threlfall (1969).

Branchellion lobata Moore, 1952. Monterey, California. Body
surfaces. Moore (1952).

MONOGENEA

HEXABOTHRIIDAE

Hexabothrium appendiculata (Kuhn, 1829) Nordmann, 1840. Britain.
Gills. Nicoll (1915); Canadian Atlantic. Stafford (1904) both as
Onchocotyle a.

Erpocotyle abbreviata Olsson, 1876. Washington. Guberlet (1932);
Newfoundland. Threlfall (1969); Norway. Brinkman (1952) as
Squaloncotyle a.

Erpocotyle squali (MacCallum, 1931) Price, 1942. Massachusetts.
Gills. Price (1942); Black Sea. Pogreletseva (1964); New Zealand.
Gills. Dillon and Hargis (1968).

Erpocotyle striata (Miller, 1927) Price, 1942. Washington. Price
(1942); Washington. Gills. Robinson (1961) as Squaloncotyle s.

MICROBOTHRIIDAE

Microbothrium apiculatum Olsson, 1869. Canada, USA, Arctic. Skins.
Dawes (1947).

DACTYLOGYRIDAE

Amphibdelloides maccallumi (Johnston and Tiegs, 1922) Price, 1937.
Massachusetts. Price (1937b).

MONOCOTYLIDAE

Heterocotyle minima (MacCallum, 1916) Price, 1938. Massachusetts.
Price (1938a).

Squalus acanthias (continuing)

Calicotyle ramsayi Robinson, 1961. New Zealand. Cloacas.
Robinson (1961).

NEMATODA

PHILOMETRIDAE

Phlyctainophora squali Mudry and Dailey, 1961. Los Angeles, California. Subcutaneous tissues. Mudry and Dailey (1969).

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Stomachs. Margolis (1952);
New Zealand. Hewitt and Hine (1972).

Thynnascaris clavatum (Rudolphi, 1809) Hartwich, 1957. New-
foundland. Threlfall (1969) as Contracecum c.

Terranova sp. Larva. Newfoundland. Threlfall (1969) as Porrocaecum
sp.

Acanthocheilus quadridentatus Molin, 1858. Pacific Ocean off
Humboldt Bay, California. Stomach walls. Pappas (1970).

Acanthocheilus bicuspis (Wedl, 1855) York and Maplestone, 1926.
Mediterranean. Digestive tracts. Nikolaeva and Nikolaeva (1964).

Proleptus obtosus Dujardin, 1845. Atlantic Coast. Yamaguti (1961).

Proleptus acutus Dujardin, 1845. Mediterranean. Stomachs. Nikolaeva
and Naidemova (1964) as P. robustus.

PHYSALOPTERIDAE

GENERA INCERTAE SEDIS

Eustoma rotundatum (Rudolphi, 1819). Newfoundland. Threlfall (1969).

PROTOZOA (MYXOSPORIDA)

CHLOROMYXIDAE

Chloromyxum leydigi Mingazzini, 1890. England. Dunkerly (1920);
Black Sea. Saika (1968).

Chloromyxum ovatum Jameson, 1929. Monterey, California. Gallbladders.
Jameson (1929).

PROTOZOA (SPOROZOA)

ADELEIDAE

Haemogregarina delagei Laveran and Mesnil, 1902. New Brunswick.
Blood. Laird and Bullock (1969).

EIMERIIDAE

Eimeria lucida (Labbe, 1893) Reichenow, 1921. Spiral valves.
Pellerby (1965).

Eimeria squali Fitzgerald, 1975. Washington. Fitzgerald (1975).

SQUATINIDAE - Squatina californica Pacific Angel Shark

CESTODA

LACISTORHYNCHIDAE

Grillotia smarisgora (Wagener, 1854) Dollfus, 1947. Catalina Island, California. Heinz and Dailey (1974).

DIGenea

AZYGIIDAE

Otodistomum veliporum (Creplin, 1837) Stafford, 1904. Long Beach, El Segundo, California. Stomachs. Caballero and Caballero (1969b).

HIRUDINEA

PISCICOLIDAE

Branchellion lobata Moore, 1952. Monterey, California. Body surfaces. Moore (1952).

PROTOZOA (MYXOSPORIDA)

CHLOROMYXIDAE

Chloromyxum levigatum Jameson, 1931. San Pedro, California. Gall-bladders. Jameson (1931).

MYCTOPHIDAE - Stenobranchius leucopsarus Northern Lampfish

SYNONYM - Nannobranchium leucopsarium

ACANTHOCEPHALA

Gen. and sp. Larva. Santa Barbara Basin, California. Intestines. Collard (1968).

CESTODA

TETRAPHYLLIDEA

Gen. and sp. Pleurocercoid. Southern California, Oregon. Colons, mesenteries. Collard (1968).

PSEUDOPHYLLIDEA

Gen. and sp. Pleurocercoid. Santa Barbara and Santa Cruz Basins, California. Colons, intestines. Collard (1968).

COPEPODA

LERNAEIDAE

Cardiodectes medusaeus (Wilson, 1908) Yamaguti, 1963. Catalina and Santa Cruz Basin, California, Oregon. Hearts. Collard (1968); Monterey Bay, California. Flesh (embedded). Wilson (1908a) as Lernaeenicus m.

Stenobranchius leucopsarus (continued)

DIGenea

DIDYMOZOIDAE

Gen. and sp. Larva. Catalina Basin, California. Collard (1968) as Monilicaecum.

NEMATODA

SPIRURIDAE

Ascarophis sp. Larva. California. Collard (1968).

ANISAKIDAE

Anisakis sp. Larva. Southern California. Coeloms, livers, colons, mesenteries. Collard (1968).

Contracecum sp. Larva. Southern California, Oregon, Alaska. Coeloms, mesenteries, livers, pyloric caeca, kidneys. Collard (1968).

Terranova sp. Larva. Santa Barbara Basin, California. Intestines. Collard (1968).

PROTOZOA (MYXOSPORIDA)

Gen. and sp. Southern California. Gallbladders. Noble (1966a).

SERRANIDAE - Steriolepis gigas Giant Sea Bass

COPEPODA

CALIGIDAE

Lepeophtheirus longipes Wilson, 1905. La Jolla, California. Exteriors. Wilson (1921).

MONOGENEA

DIPLECTANIDAE

Diplectanum americanum Price, 1937. Salina Cruz, Mexico. Gills. Caballero and Bravo-Hollis (1961).

STERNOPTYCHIDAE - Sternoptyx diaphana

• CESTODA

TETRAPHYLLIDEA

Gen. and sp. Pleuroceroid. Southern California. Pyloric caeca, intestines. Collard (1968).

STOMIATIDAE - Stomias atriventer Blackbelly Dragonfish

CESTODA

TETRAPHYLLIDEA

Gen. and sp. Pleuroceroid. San Diego, California; North of Pt. Eugenia, Baja California, Mexico. Intestines. Collard (1968).

MYCTOPHIDAE - Symbolophorus californiensis California Lanternfish

CESTODA

TETRAPHYLLIDEA

Gen. and sp. Larva. Southern California. Colons, rectums. Collard (1968).

PSEUDOPHYLLIDEA

Gen. and sp. Larva. Southern California. Colons, rectums. Collard (1968).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. Southern California. Coeloms. Collard (1968).

COTTIDAE - Synchirus gilli Manacled Sculpin

DIGenea

HEMIURIDAE

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Washington. Ching (1960a).

SYNGNATHIDAE - Syngnathus leptorhynchus Bay PipefishSYNONYM - S. griseolineatus

CESTODA

PHYLLOBOTHRIIDAE

Phyllobothrium sp. Larva. British Columbia. Intestines. Arai (1969b).

COPEPODA

LERNAEOCERIDAE

Haemobaphes sp. Juvenile. British Columbia. Gills. Arai (1969b).

DIGenea

HEMIURIDAE

Lecithastern gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia. Intestines. Arai (1969b).Parahemiuris merus (Linton, 1910) Woolcock, 1935. British Columbia. Intestines. Arai (1969b).Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. British Columbia. Stomachs. Arai (1969b).

OPECOELIDAE

Podocotyle atomon (Rudolphi, 1802) Odhner, 1905. British Columbia. Intestines. McFarland (1936).Podocotyle reflexa (Creplin, 1825) Odhner, 1905. British Columbia. Intestines. McFarland (1936).Podocotyle enophrysi Park, 1937. British Columbia. Intestines. Arai (1969b).Neopodocotyloides sinusaccus (Ching, 1960) Pritchard, 1966. British Columbia. Intestines. Arai (1969b).

LEPOCREADIIDAE

Opechona occidentalis Montgomery, 1957. British Columbia. Intestines. Arai (1969b).

MONOGENEA

GYRODACTYLOIDEA

Gen. and sp. British Columbia. Gills. Arai (1969b).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. British Columbia. Body cavities. Arai (1969b).Contraecum sp. Larva. British Columbia. Body cavities. Arai (1969b).

SYNODONTIDAE - Synodus lucioceps California Lizardfish

DIGenea

OPECOELIDAE

Helicometrina nimia Linton, 1910. Intestines. Arai (1962).

ISOPODA

CYMOTHOIDAE

Livoneca vulgaris Stimpson, 1857. California. Jensen (1975).

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Ceratomyxa sp. Southern California. Gallbladders. Jensen (1975).

MYCTOPHIDAE - Tarletonbeania crenularis Blue Lanternfish

CESTODA

Gen. and sp. Larva. Catalina Basin, California. Oregon. Stomachs, livers. Collard (1968).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. Catalina Basin, California. Coeloms. Collard (1968).

Contracecum sp. Larva. Catalina Island, California. Coeloms. Collard (1968).

ISTIOPHORIDAE - Tetrapterus angustirostris Shortbill Spearfish

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus manubriformis (Linton, 1889) Ariola, 1900. Hawaii. Intestines. Yamaguti (1968a).

MONOGENEA

CAPSALIDAE

Capsala ovalis (Goto, 1894) Price, 1938. Hawaii. Gill plates. Yamaguti (1968b).

Capsaloides cristatus Yamaguti, 1968. Hawaii. Gills. Yamaguti (1968b).

Capsaloides nairagi Yamaguti, 1968. Hawaii. Gills. Yamaguti (1968b).

Capsaloides tetrapteri Yamaguti, 1968. Hawaii. Gills. Yamaguti (1968b).

ISTIOPHORIDAE - Tetrapturus audax Striped MarlinSYNONYMS - Makaira audax, Makaira mitsukurii

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus manubriformis (Linton, 1889) Ariola, 1900. Hawaii. Intestines. Yamaguti (1968a).

COPEPODA

EURYPHORIDAE

Gloioptes huttoni (Thomson, 1890) Bassett-Smith, 1899. Indian Ocean, Peru. Cressey (1967b).Gloioptes watsoni Kirtisinghe, 1934. Indian Ocean. Cressey (1967b).Gloioptes ornatus Wilson, 1905. Brazil. Yamaguti (1963a).

PENNELLIDAE

Pennella sp. Balakrishnan (1969).

CRUSTACEA

LEPADIDAE

Conchoderma virgatum (Spengler, 1790). Balakrishnan (1969).

MONOGENEA

CAPSALIDAE

Capsala ovalis (Goto, 1894) Price, 1938. Hawaii. Gill plates. Yamaguti (1968b).Capsala pricei Hidalgo Escalante, 1958. Mazatlan, Mexico. Exteriors. Hidalgo Escalante (1958).Capsaloides istiophori Yamaguti, 1968. Hawaii. Gills. Yamaguti (1968b).Capsaloides sinuatus (Goto, 1894) Price, 1938. Hawaii. Gills. Yamaguti (1968b).OSMERIDAE - Thaleichthys pacificus Eulachon

CESTODA

PHYLLOBOTHRIDAE

Phyllobothrium sp. Larva. British Columbia. Intestines. Arai (1969b).

DIGENEA

HEMIURIDAE

Lecithaster gibbosus (Rudolphi, 1802) Ldhe, 1901. British Columbia. Intestines. Arai (1969b).

NEMATODA

ANISAKIDAE

Contracecum sp. Larva. British Columbia. Body cavities. Arai (1969b).

GADIDAE - Theragra chalcogramma Walleye Pollack

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Müller, 1776. British Columbia. Arai (1969b); Kamchatka, USSR. Skryabina (1963).

POLYMORPHIDAE

Bolbosoma nipponicum Yamaguti, 1939. Kamchatka, USSR. Intestines. Mamaev and Baeva (1963).

Corynosoma strumosum (Rudolphi, 1802) Lühe, 1904. Larva. Kamchatka, USSR. Mesenteries, intestines. Mamaev and Baeva; British Columbia. Margolis (1956b).

CESTODA

PSEUDOPHYLLIDEA

Gen. and sp. Larva. Kamchatka, USSR. Intestines, abdominal walls. Mamaev and Baeva (1963).

TENTACULARIIDAE

Nybelinia surmenicola Okada, 1929. Larva. British Columbia. Intestines, stomachs. Arai (1969b); Kamchatka, USSR. Body cavities, abdominal walls. Skryabina (1963).

BOTHRIOCEPHALIDAE

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808. Larva. British Columbia. Intestines. Arai (1969b); Kamchatka, USSR. Intestines, pyloric caeca. Skryabina (1963).

PHYLLOBOTHRIIDAE

Phyllobothrium sp. Larva. British Columbia. Intestines. Arai (1969b).

AMPHICOTYLIDAE

Abothrium gadi Van Beneden, 1871. British Columbia. Intestines. Margolis (1952); Kamchatka, USSR. Mamaev and Baeva (1963).

DIPHYLLOBOTHRIIDAE

Pyramicocephalus phocarum (Fabricius, 1780). Larva. Kamchatka, USSR. Intestines, body cavities. Mamaev and Baeva (1963).

Diphyllobothrium sp. Larva. Western Kamchatka, USSR. On digestive tracts. Tsimlalyuk and Semeshko (1971).

LACISTORHYNCHIDAE

Grillotia erinaceus (Van Beneden, 1858) Guiart, 1927. Kamchatka, USSR. Body cavities. Mamaev and Baeva (1963).

TETRAPHYLLIDEA

Scolex pleuronectis Müller, 1788. Kamchatka, USSR. Gallbladders, intestines. Skryabina (1963).

Theragra chalcogramma (continued)

COPEPODA

CALIGIDAE

Lepeophtheirus cuneifer Kabata, 1974. Alaska. Kabata (1974), questionable host.

Lepeophtheirus parviventris Wilson, 1905. Japan, USSR. Kabata (1973); Japan. Body surfaces. Yamaguti (1936a).

Caligus clemensi Parker and Margolis, 1964. British Columbia. Body surfaces. Parker and Margolis (1964).

LERNAEOPODIDAE

Clavella perfida Wilson, 1915. British Columbia. Gills. Kabata (1970c); Alaska. Wilson (1915).

Clavella adunca (Strom, 1792) North Pacific. Akhmerov (1951), as C. irina.

Clavella uncinata (Müller, 1776) Oaken, 1815. North Pacific. Akhmerov (1951).

LERNAEOCERIDAE

Haemobaphes theragrae Yamaguti, 1939. Japan. Yamaguti (1939b).

CHONDRACANTHIDAE

Chondracanthus theragrae Yamaguti, 1939. Japan. Gills. Yamaguti (1939c).

DIGENEA

APOROCOTYLIDAE

Aporocotyle theragrae Ichihara, 1970. Japan. Blood vessels. Ichihara (1970).

Aporocotyle simplex Odhner, 1900. Kamchatka, USSR. Mamaev and Baeva (1963).

LEPOCREADIIDAE

Opechona alaskensis Ward and Fillingham, 1934. Sea of Japan. Intestines. Zhukov (1960a).

Lepidapedon microtyleum (Odhner, 1905) Yamaguti, 1958. Washington. Intestines. Ching (1960a); British Columbia. Arai (1969b).

Lepidapedon gadi (Yamaguti, 1934) Acena, 1947. Kamchatka, USSR. Digestive tracts. Mamaev and Baeva (1963); Japan. Intestines. Machida, Araki, Kamiya and Ohbayashi (1972).

HEMIURIDAE

Hemiurus communis Odhner, 1905. Washington. Stomachs. Ching (1960b).

Hemiurus odhneri Yamaguti, 1934. Japan. Stomachs. Yamaguti (1934a).

Hemiurus levinseni Odhner, 1905. Washington. Ching (1960a); Kamchatka, USSR. Stomachs, pyloric caeca. Skryabina (1963).

Lecithaster gibbosus (Rudolphi, 1802) Lühe, 1901. British Columbia. Intestines. Arai (1969b); Kamchatka, USSR. Mamaev and Baeva (1963).

Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934. Washington. Ching (1960a).

Theragra chalcogramma (continued)

Genolinea anura (Layman, 1930) Yamaguti, 1954. Sea of Japan.
Stomachs. Zhukov (1960a).

Lecithophyllum sphaerolecithum (Manter, 1925) Odhner, 1927.
Kamchatka, USSR. Stomachs. Mamaev and Baeva (1963).

Derogenes varicus (Müller, 1784) Looss, 1901. Kamchatka, USSR.
Esophagi, stomachs. Mamaev and Baeva (1963).

Brachyphallus crenatus (Rudolphi, 1802) Odhner,
1905. Kamchatka, USSR. Stomachs. Mamaev and Baeva (1963).

LECITHOCHIRIIDAE

Gen. and sp. Kamchatka, USSR. Mamaev and Baeva (1963).

ZOOGONIDAE

Steganoderma formosum Stafford, 1904. Kamchatka, USSR. Digestive
tracts. Mamaev and Baeva (1963).

OPECOELIDAE

Podocotyle reflexa (Creplin, 1825) Odhner, 1905. Kamchatka,
USSR. Digestive tracts. Mamaev and Baeva (1963).

Neopodocotyloides sinusaccus (Ching, 1960) Pritchard, 1966.
British Columbia. Intestines. Arai (1969b).

Opecoelina theragrae Lloyd, 1938. Washington. Intestines. Lloyd
(1938).

BUCEPHALIDAE

Prosorhynchus crucibulum (Rudolphi, 1819) Odhner, 1905. Sea of
Japan. Intestines. Zhukov (1960a).

Bucephalopsis gracilescens (Rudolphi, 1819) Diesing, 1855.
Kamchatka, USSR. Intestines. Strelkov (1960).

FELLODISTOMIDAE

Anisorchis opisthorchis Poljansky, 1955. Kamchatka, USSR. Intestines.
Strelkov (1960).

Fellodistomum furcigerum (Olsson, 1867) Yamaguti, 1954. Kamchatka,
USSR. Strelkov (1950) as Steringophorus f.

HIRUDINEA

PISCICOLIDAE

Levinsenia rectangulata (Levinson, 1881) Vasilier, 1939. North
Pacific. Akhmerov (1951).

MONOGENEA

GYRODACTYLIDAE

Gyrodactylus marinus Bykhovsky and Poljansky, 1953. Sea of Japan.
Gills. Bykhovsky and Poljansky (1953).

Gyrodactylus pterigialis Bykhovsky and Poljansky, 1953. USSR.
Bykhovsky (1957).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. Japan, Sea of Okhotsk. Body cavities.
Petrushevski and Shulman (1955); British Columbia. Body cavities.
Arai (1969b).

Theragra chalcogramma (continued)

Contracaecum sp. Larva. British Columbia. Arai (1969b); Japan. Kagei, Sakaguchi, Katamine and Ikeda (1970); Kamchatka, USSR. Many places in bodies. Skryabina (1963).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. British Columbia. Stomachs, intestines. Margolis (1952); larva. Kamchatka, USSR. Body cavities, muscles, etc. Mamaev and Baeva (1963). Both as Contracaecum a.

Terranova sp. Larva. British Columbia. Intestines. Arai (1969b); Kamchatka, USSR. Muscles, body cavities. Skryabina (1963) as Porrocaecum sp.

Terranova decipiens (Krabbe, 1878) Johnston and Mawson, 1945. Larva. Bering Sea, USSR. Muscles. Schiller (1954).

SPIRUROIDEA

Metabronema skrjabini (Layman, 1933) Dollfus, 1933. Kamchatka, USSR. Stomachs, intestines. Mamaev and Baeva (1963) as Ascarophis s.

SPIRURIDAE

Ascarophis pacificus Zhukov, 1960. Sea of Japan. Stomachs. Zhukov (1960a).

PROTOZOA (MICROSPORIDA)

NOSEMATIDAE

Glugea punctifera Thelohan, 1895. Sea of Japan. Muscles. Dogiel (1955).

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Myxidium theragrae Fujita, 1923. Japan. Gallbladders. Fujita (1923).

SCOMBRIDAE - Thunnus alalunga Albacore

SYNONYM - Orcynus alalunga, Thynnus alalunga, Germo alalunga

ACANTHOCEPHALA

GORGORHYNCHIDAE

Gorgorhynchus sp. California - Oregon. Intestines. Margolis (1952).

POLYMORPHIDAE

Bolbosoma vasculosum (Rudolphi, 1819). Larva. Muscles. Dollfus (1952).

RHADINORHYNCHIDAE

Rhadinorhynchus pristis (Rudolphi, 1802) Lühe, 1911. Stomachs. Dollfus (1952).

Thunnus alalunga (continued)

CESTODA

SHYRIOCEPHALIDAE

Sphriocephalus tergestinus Pintner, 1913. Postlarva. Stomachs. Dollfus (1952).

HEPATOXYLIDAE

Hepatoxylon trichiuri (Holten, 1802) Dollfus, 1942. Postlarva. Mediterranean. Sides of outsides and insides of stomachs. Dollfus (1942).

COPEPODA

EURYPHORIDAE

Elytrophora brachyptera Gerstaecker, 1853. Indian Ocean. Gill cavities, external surfaces. Lewis, Dean and Gilfillan (1969); California-Oregon. Margolis (1952); Pacific Ocean. Gills. Shiino (1965c) as E. hemiptera.

Euryphorus normanni Edwards, 1840. Japan. Inner surface of operculums. Shiino (1959e); New Zealand. Hewitt (1968) both as E. nympa.

CALIGIDAE

Caligus productus Dana, 1853. Indian Ocean. Buccal cavities, external surfaces. Lewis, Dean and Gilfillan (1969); Japan. Shiino (1959e).

Caligus alalongae Krøyer, 1863. Atlantic, Pacific. Capart (1953).
Caligus germoi Pearse, 1951. Bahama Island. Pearse (1951).

PSEUDOCYCNIDAE

Pseudocycnus appendiculatus Heller, 1865. Indian Ocean. Gill cavities. Lewis, Dean and Gilfillan (1969); Massachusetts. Wilson (1922); New Zealand. Gills. Hewitt (1969b).

LERNAEOPODIDAE

Brachiella thynni Cuvier, 1829. Indian Ocean. External surfaces. Lewis, Dean and Gilfillan (1969).

ANTHOSOMATIDAE

Lernanthropus hiatus Pearse, 1951. Bahama Islands. Pearse (1951).

PENNELLIDAE

Pennella germonia Leigh-Sharpe, 1931. Brittany. Embedded in skins. Leigh-Sharpe (1931).

Pennella orthagorisci Wright, 1870. Santa Cruz Island, California. Flesh. Wilson (1924); South Africa. Barnard (1955).

DIGenea

HIRUDINELLIDAE

Hirudinella fusca (Bosc, 1802) Manter, 1926. Stomachs. Dollfus (1952).

Thunnus alalunga (continued)

Hirudinella oxysona Guiart, 1938. Atlantic. Stomachs. Guiart (1938a) [=H. marina-Nigrelli and Stunkard (1947)].

Hirudinella poirieri (Moniez, 1891) Dollfus, 1935. Atlantic. Stomachs. Dollfus (1935b) [=H. marina - Nigrelli and Stunkard (1947)].

Hirudinella spinulosa Yamaguti, 1938. Japan. Stomachs. Yamaguti (1938b); Gulf of Mexico. Nikolaeva and Parukhin (1968) as Uproctinella s. [=H. marina - Nigrelli and Stunkard (1947)].

DIDYMOZOIDAE

Didymocystis lanceolata Guiart, 1938. Atlantic. Wide spread infection. Guiart (1938a).

Didymocystis macrorchis Guiart, 1938. Atlantic. Wide spread infection. Guiart (1938a).

Didymocystis thynni (Taschenberg, 1879) Dollfus, 1926. Gills. Dollfus (1952).

Didymocystis wedli Ariola, 1902. Gills. Dollfus (1952).

Didymocystis philobranchia Yamaguti, 1970. Hawaii. Gills. Yamaguti (1970).

Platocystis alalongae Yamaguti, 1938. Pacific, Japan. Skins. Yamaguti (1938b); Oregon-California. Skins. Margolis (1952).

Nematobothrium latum Guiart, 1938. Atlantic. Stomachal peritoneum. Guiart (1938a).

Metanematobothrium guernei (Moniez, 1891) Yamaguti, 1938. France, Japan. Gills, muscles. Yamaguti (1938b); California-Oregon. Muscles. Margolis (1952).

Didymocystoides alalongae (Yamaguti, 1938) Yamaguti, 1970. Pacific Japan. Gill arches. Yamaguti (1938b) as Didymocystis a.

Didymocystoides buccalis Yamaguti, 1970. Hawaii. Oral cavities. Yamaguti (1970).

Didymocystoides opercularis (Yamaguti, 1938) Yamaguti, 1970. Japan. Operculums. Yamaguti (1938b) as Didymocystis o.

Koellikeria bipartita (Wedl, 1855) Ishii, 1935. Stomachs. Dollfus (1952).

Koellikeria orientalis (Yamaguti, 1934) Ishii, 1935. Yamaguti (1971).

SYNCOELIDAE

Syncoelium filiferum (Sars, 1885) Looss, 1899. California--Oregon. Branchial chambers. Margolis (1952).

ISOPODA

AEGIIDAE

Rocinela signata Schioedte and Meinert, 1905. Gills. Richardson (1905).

MONOGENEA

GASTROCOTYLIDAE

Areotestis sibi Yamaguti, 1965. Hawaii. Gills. Yamaguti (1965b).

CAPSALIDAE

Capsala thynni (Guiart, 1938) Sproston, 1946. Atlantic. Yamaguti (1963b).

Thunnus alalunga (continued)

Capsala nozawai (Goto, 1894) Price, 1938. Hawaii. Gills.
Yamaguti (1968b).

HEXOSTOMATIDAE

Hexostoma sibi Yamaguti, 1968. Hawaii. Gills. Yamaguti (1968b).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. California-Oregon. Many areas infected.
Margolis (1952).

Thynnascaris legendrei Dollfus, 1933. Atlantic, Dollfus (1933);
Pacific. Stomachs. Yamaguti (1941).

Contraecaecum sp. Larva. New Zealand. Body cavities. Hewitt and
Hine (1972).

SCOMBRIDAE - Thunnus albacores Yellowfin Tuna

SYNONYMS - Neothunnus albacores, Neothunnus macropterus, Neothynnus al-
bacores, Thynnus macropterus, Thunnus macropterus, Thynnus
albacora

ACANTHOCEPHALA

RHADINORHYNCHIDAE

Rhadinorhynchus pristis (Rudolphi, 1802) Lühe, 1901. Gulf of
Mexico. Intestines. Nikolaeva (1968b) as Nipporhynchus k.

Rhadinorhynchus cadenati (Golvan and Houin, 1964) Golvan, 1969.
Senegal. Golvan (1969).

CESTODA

HEPATOXYLIDAE

Hepatoxylon sp. Gulf of Mexico. Viscera. Ward (1962).

SPHYRIOCEPHALIDAE

Sphryiocephalus sp. Larva. Gulf of Mexico. Viscera. Ward
(1962).

PHYLLOBOTHRIIDAE

Phyllobothrium caudatum (Zshokke and Heitz, 1914). Larva. Gulf
of Mexico. Viscera. Ward (1962) as Pelichnibothrium speciosum.

Echeneibothrium sp. Larva. Gulf of Mexico. Intestines. Nikolaeva
(1968b).

DASYRHYNCHIDAE

Callotetrarhynchus gracilis? (Rudolphi, 1819) Pintner, 1931.

Ghana. Stomachs. Bane (1969) "Bladder-like cysts similar to
C. gracilis"

Gen. and sp. Gulf of Mexico. Viscera. Ward (1962).

Thunnus albacores (continued)

TENTACULARIIDAE

Tentacularia sp. Gulf of Mexico. Viscera. Ward (1962).

Nybelinia sp. Larva. Gulf of Mexico. Intestines. Nikolaeva (1968b).

LACISTORHYNCHIDAE

Grillotia sp. Larva. Gulf of Mexico. Intestines. Nikolaeva (1968b).

GYMNORHYNCHIDAE

Gymnorhynchus gigas (Cuvier, 1817) Rudolphi, 1819. Larva. Gulf of Mexico. Blood vessels. Nikolaeva (1968b).

TRYPANORHYNCA

Gen. and sp. Larva. Gulf of Mexico. Stomachs. Nikolaeva (1968b).

TETRAPHYLLIDEA

Scolex pleuronectis Müller, 1788. Gulf of Mexico. Intestines. Nikolaeva (1968b).

COPEPODA

CALIGIDAE

Caligus productus Dana, 1853. Indian Ocean. Body surfaces, gill cavities, buccal cavities. Lewis, Dana, Gilfillan (1969); East Pacific. Shiino (1959d); Angola. Gills. Nunes-Ruivo (1956) as C. katuwo.

Caligus coryphaenae Steenstrup and Lutken, 1861. Indian Ocean. Body surfaces. Lewis, Dean, Gilfillan (1969); Japan. Shiino (1959d)

Caligus quadratus Shiino, 1954. Japan. Inner surface of operculums. Shiino (1954f).

PSEUDOCYCNIDAE

Pseudocycnus appendiculatus Heller, 1865. Pacific. Gill filaments. Shiino (1963a); Massachusetts, Mediterranean, Aden, Spain, etc. Wilson (1932); Indian Ocean. Gill cavities. Lewis, Dean, Gilfillan (1969); Angola. Nunes-Ruivo (1956).

LERNAEOPODIDAE

Brachiella thynni Cuvier, 1829. Hawaii. Axis of pectoral fins. Shiino (1963a); Indian Ocean. Kirtisinghe (1935).

PENNELLIDAE

Pennella sp. Hawaii. Stomachs. Lewis (1967); Gulf of Guinea. Branchial arches. Bane (1969).

EURYPHORIDAE

Euryphorus nordmanni Edwards, 1840. Japan. Inner surface of gill operculums, body surfaces. Shiino (1954c) as E. nympa.

Elytrophora brachyptera Gerstaecker, 1853. Indian Ocean. Lewis, Dean and Gilfillan (1969); Japan. Inside gill operculums. Shiino (1959e) as E. hemiptera.

Thunnus albacores (continued)

DIGenea

HIRUDINELLIDAE

Hirudinella marina Garcin, 1730. Atlantic Ocean. Stomachs.

Watertor (1973); India. Raju (1962); Central Pacific. Stomachs.
Iverson and Hoven (1958).

Uroproctinella attenuata Hafeezullah, 1971. Arabian Sea. Stomachs.
Hafeezullah (1971).

Hirudinella fusca (Bosc, 1802) Manter, 1926. Gulf of Mexico.
Stomachs. Nikolaeva (1968b) [=H. marina - Nigrelli and Stunkard
(1974)].

Hirudinella spinulosa Yamaguti, 1938. Gulf of Mexico. Stomachs.
Nikolaeva (1968b) as Uroproctinella s. [=H. marina - Nigrelli and
Stunkard (1947)].

DIDYMOZOIDAE

Didymozoon longicolle Ishii, 1935. Gulf of Mexico. Skins.

Nikolaeva (1968b); Hawaii. Yamaguti (1971).

Didymocystis coatesi Nigrelli, 1939. Gulf of Mexico. Nikolaeva
(1968b) [=D. acanthocybii - Yamaguti (1971)].

Didymocystis wedli Ariola, 1902. Gulf of Mexico. Nikolaeva
(1968b).

Didymocystis sp. Central Pacific. Gills. Iverson and Hoven (1958).

Platocystis sp. Gulf of Mexico. Connective tissues. Nikolaeva
(1968b).

Koellikeria globosa ? Ishii, 1935. Gulf of Guinea. Caecal mass.
Bane (1969); Gulf of Mexico. Intestines. Nikolaeva (1968b).

Koellikeria abdominalis Yamaguti, 1970. Hawaii. Body cavities.
Yamaguti (1970).

Koellikeria bipartita (Wedl, 1855) Ishii, 1935. Gulf of Mexico.
Nikolaeva (1968b) as Wedlia bipartita.

Koellikeria orientalis (Yamaguti, 1934) Ishii, 1935. Gulf of
Mexico. Gills. Nikolaeva (1968b) as Wedlia o.

Atalostrophion sardae MacCallum, 1915. Gulf of Mexico. Connective
tissue. Nikolaeva (1968b).

HEMIURIDAE

Brachyphallus parvus (Manter, 1947) Skrjabin and Guschanskaja,
1955. Gulf of Mexico. Stomachs. Nikolaeva (1968b).

Gonocerca sp. Gulf of Mexico. Nikolaeva (1968b).

MONOGENEA

CAPSALIDAE

Capsala thynni (Guiart, 1938) Sproston, 1946. Atlantic. Gulf
of Mexico. Gills. Nikolaeva (1968b).

Capsala gotoi Yamaguti, 1968. On carapace of caligoid copepod.
Hawaii. Buccal cavities. Yamaguti (1968b).

Capsala neothunni Yamaguti, 1968. Hawaii. Gills. Yamaguti (1968b).

Capsala nozawae (Goto, 1894) Price, 1938. Hawaii. On caligoid
copepod. Buccal cavities. Yamaguti (1968b).

Thunnus albacores (continued)

Caballerocotyla klawei Stunkard, 1962. Costa de Colima, Mexico. Nasal capsules. Stunkard (1962); Gulf of Guinea, Peru, New York, Venezuela. Bane (1969); Hawaii. Yamaguti (1968b) as Nasicola k.; good drawing. Bussieras and Aldrin (1969).

Caballerocotyla abidjani Bussieras and Baudin-Laurencin, 1970. Gulf of Guinea. Inside branchial gill covers. Bussieras and Baudin-Laurencin (1970).

Caballerocotyla biparasitica (Goto, 1894) Price, 1960. Christmas Island, Japan. Copepod carapaces. Lamothe-Argumedo (1968); Hawaii Yamaguti (1968b) as Capsala b.

Caballerocotyla verrucosa Bussieras, 1972. Tropical eastern Atlantic. Tongues and palates. Bussieras (1972).

HEXOSTOMATIDAE

Hexastoma sibi Yamaguti, 1968. Hawaii. Gills. Yamaguti (1968b).
Neohexostoma kawakawa Yamaguti, 1968. Hawaii. Gills. Yamaguti (1968b).

GASTROCOTYLIDAE

Areotestis sibi Yamaguti, 1965. Hawaii. Gills. Yamaguti (1968b).

NEMATODA

ANISAKIDAE

Contracaecum sp. I, II, III. Larva. Gulf of Mexico. Stomachs, intestines. Nikolaeva (1968b).

CAMALLANIDAE

Camallanus melanocephalus (Rudolphi, 1819). Gulf of Mexico. Intestines. Nikolaeva (1968b).

Oncophora albacarensis Baudin-Laurencin, 1972. Atlantic. Baudin-Laurencin (1972).

ICHTHYOSTRONGYLIDAE

Ichthyostrongylus thunni Nikolaeva, 1968. Gulf of Mexico. Nikolaeva (1968b).

SCOMBRIDAE - Thunnus obesus Bigeye Tuna

SYNONYMS - Parathunnus sibi, Parathunnus obesus

CESTODA

SPHYRIOCEPHALIDAE

Sphyriocephalus dollfusi Bussieras and Aldrin, 1968. Atlantic. Bussieras and Aldrin (1968).

COPEPODA

LERNAEOPODIDAE

Brachiella thynni Cuvier, 1929. Hawaii. Axis of pectoral fins. Shiino (1963a); Angola. Nunes-Ruivo (1956); Indian Ocean. Lewis, Dean, and Gilfillan (1969).

Thunnus obesus (continued)

EURYPHORIDAE

Elytrophora brachyptera Gerstaecker, 1853. Indian Ocean. Body surfaces. Lewis, Dean and Gilfillan (1969); Japan. Inner surface of gill operculums. Shiino (1954c).

Elytrophora indica Shiino, 1958. Japan. Gills. Shiino (1965c).

Gloiopotes huttoni (Thomson, 1890) Bassett-Smith, 1899. Western Pacific. Lewis (1967).

CALIGIDAE

Caligus coryphaenae Steenstrup and Lütken, 1861. Indian Ocean. Body surfaces. Lewis, Dean and Gilfillan (1969).

Caligus productus Dana, 1853. Indian Ocean. Buccal cavities. Lewis, Dean and Gilfillan (1969); Hawaii. Lewis (1967).

PSEUDOCYCNIDAE

Pseudocycnus appendiculatus Heller, 1865. Indian Ocean. Gill cavities. Lewis, Dean and Gilfillan (1969); Angola. Nunes-Ruivo (1956).

DIGENEA

SANGUINICOLIDAE

Cardicola ahi Yamaguti, 1970. Hawaii. Vascular system. Yamaguti (1970).

DIDYMOZOIDAE

Didymozoon longicolle Ishii, 1935. Hawaii. Gills. Yamaguti (1970).

Dermatodidymocystis viviparoides Yamaguti, 1970. Hawaii. Skins. Yamaguti (1970).

Dermatodidymocystis vivipara Yamaguti, 1970. Hawaii. Skins. Yamaguti (1970).

Didymocystis bifurcata Yamaguti, 1970. Hawaii. Gills. Yamaguti (1970).

Didymocystis nasalis Yamaguti, 1970. Hawaii. Nasal cavities. Yamaguti (1970).

Didymocystis orbitalis Yamaguti, 1970. Hawaii. Orbits. Yamaguti (1970).

Didymocystis philobranchia Yamaguti, 1970. Hawaii. Forebodies. Yamaguti (1970).

Didymocystis philobranchiarca Yamaguti, 1970. Hawaii. Gill arches. Yamaguti (1970).

Didymocystis poonui Yamaguti, 1970. Hawaii. Palatal teeth. Yamaguti (1970).

Didymocystoides bifasciatus Yamaguti, 1970. Hawaii. Forebodies. Yamaguti (1970).

Didymocystoides pectoralis Yamaguti, 1970. Hawaii. Pectoral fins. Yamaguti (1970).

Univitellodidymocystis neothunni Yamaguti, 1970. Hawaii. Forebodies. Yamaguti (1970).

Koellikeria pylorica Yamaguti, 1970. Hawaii. Pyloric caeca. Yamaguti (1970).

Thunnus obesus (continued)

- Koellikeria retrorbitalis Yamaguti, 1970. Hawaii. Retroorbital adipose tissues. Yamaguti (1970).
Koellikeria submaxillaris Yamaguti, 1970. Hawaii. Submaxillary regions. Yamaguti (1970).
Koellikerioides internogastricus Yamaguti, 1970. Hawaii. Muscular layer of stomachs. Yamaguti (1970).
Koellikerioides apicalis Yamaguti, 1970. Hawaii. Gill rakers. Yamaguti (1970).
Koellikerioides externogastricus Yamaguti, 1970. Hawaii. Muscle layers of stomachs. Yamaguti (1970).
Koellikerioides intestinalis Yamaguti, 1970. Hawaii. Surface of small intestines. Yamaguti (1970).
Neonematobothrioides poonui Yamaguti, 1970. Hawaii. Connective tissues. Yamaguti (1970).
Opisthorchinematobothrium parathunni Yamaguti, 1970. Hawaii. Connective tissues. Yamaguti (1970).
Orbitonematobothrium perioculare Yamaguti, 1970. Hawaii. Eyes. Yamaguti (1970).

MONOGENEA

HEXOSTOMATIDAE

- Hexostoma grossum (Goto, 1894) Sproston, 1946. Central Pacific. Gills. Iverson and Hoven (1958); Japan. Ishii and Sawada (1938).
Hexostoma acutum (Goto, 1894) Sproston, 1946. Japan. Gills. Price (1961a).
Hexostoma sibi Yamaguti, 1968. Hawaii. Gills. Yamaguti (1968b).
Neohexostoma robustum Price, 1961. Tropical Pacific. Gills. Price (1961a).

CAPSALIDAE

- Capsala gotoi Yamaguti, 1968. Hawaii. Gills. Yamaguti (1968b).
Capsala nozawae (Goto, 1894) Price, 1938. Hawaii. Gills. Yamaguti (1968b).
Caballerocotyla biparasitica (Goto, 1894) Price, 1960. Hawaii. On caligoid copepod. Yamaguti (1968b) as Capsala b.
Caballerocotyla klawei Stunkard, 1962. Hawaii. Nasal cavities. Yamaguti (1968b) as Nasicola k.; Tropical east Atlantic. Bussieras (1972).
Caballerocotyla verrucosa Bussieras, 1972. Eastern tropical Atlantic. Buccal cavities, tongues, gills, etc. Bussieras (1972).
Caballerocotyla pseudomagronum Bussieras, 1972. Tropical eastern Atlantic. Buccal cavities. Bussieras (1972).

AXINIDAE

- Sibitrema poonui Yamaguti, 1966. Hawaii. Gills. Yamaguti (1966).

GASTROCOTYLIDAE

- Areotestis sibi Yamaguti, 1965. Hawaii. Gills. Yamaguti (1968b).

SCOMBRIDAE - Thunnus thunnus Bluefin Tuna

SYNONYMS - Orcynchus thunnus, Scomber thunnus, Thunnus thynnus,
Thunnus orientalis, Thunnus saliens

Considerable debate exists over the taxonomic status of the various tunas variously identified as identical with or different from Thunnus thunnus. We have decided to place these forms (T. saliens, T. orientalis) under T. thunnus.

ACANTHOCEPHALA

POLYMORPHIDAE

Bolbosoma thunni Harada, 1935. Japan. Intestines. Harada (1935).

ECHINORHYNCHIDAE

Neorhadinorhynchus nudus (Harada, 1938) Yamaguti, 1939. South China Sea. Intestines. Mamaev (1968b) as Echinorhynchus n.

CESTODA

DASYRHYNCHIDAE

Callotetrarhynchus gracilis (Rudolphi, 1819) Pintner, 1931. Pleuroceroid. South China Sea. Intestines, livers. Mamaev (1968b); Mediterranean. Dollfus (1942); Massachusetts. Linton (1924) as Rhynchobothrium speciosum.

LACISTORHYNCHIDAE

Lacistorhynchus tenuis (Van Beneden, 1858) Dollfus, 1929. Larva. Massachusetts. Intestines. Linton (1924) as Rhynchobothrium b.

PHYLLOBOTHRIDAE

Phyllobothrium caudatum (Zschokke and Heitz, 1914). Larva. Pacific coast of Japan. Yamaguti (1959b) as Pelichnibothrium speciosum.

COPEPODA

EURYPHORIDAE

Elytrophora brachyptera Gerstaecker, 1853. North Sea. Gills. Mann (1970); Pacific. Inner surface of operculums. Yamaguti (1936b); Japan. Shiino (1959e) as E. hemiptera.

Elytrophora atlantica Wilson, 1932. Massachusetts. Gills. Wilson (1932).

CALIGIDAE

Caligus bonito Wilson, 1905. Japan. Exteriors. Shiino (1959a) as C. kuroshio.

Caligus corphaenae Steenstrup and Lütken, 1861. Japan. Exteriors. Shiino (1959e).

Caligus productus Dana, 1853. Japan. Exteriors. Shiino (1959e).

LERNAEOPODIDAE

Brachiella thynni Cuvier, 1829. North Atlantic. Lewis (1967); Gills. England. Wilson (1915).

CECROPIDAE

Cecrops latreilli Leach, 1816. Mediterranean. Hewitt (1968).

Thunnus thunnus (continued)

PENNELLIDAE

Pennella filosa (Linneus, 1758) Cuvier, 1830. Africa. Barnard (1955).

PSEUDOCYCNIDAE

Pseudocycnus appendiculatus Heller, 1865. Mediterranean. Delamare-Debutteville and Nunes-Ruivo (1958).

Pseudocycnus thynnus Brandes, 1955. North Sea. Gills. Brandes. (1955).

DIGENEA

DIDYMOZOIDAE

Koellikeria bipartita (Wedl, 1855) Ishii, 1935. Atlantic. Wide spread infection in bodies. Ishii (1935).

Koellikeria orientalis (Yamaguti, 1934) Ishii, 1935. Japan. Gills, stomachs. Yamaguti (1971).

Koellikeria globosa Ishii, 1935. Japan. Gills. Ishii (1935).

Koellikeria reniformis Ishii, 1935. Japan. Gills. Ishii (1935).

Coeliotrema thynni Yamaguti, 1938. Japan. Outside pyloric caeca. Yamaguti (1938b).

Didymocystis reniformes Ariola, 1902. Yamaguti (1971).

Didymocystis wedli (Ariola, 1902). Japan. Gills. Yamaguti (1934); Mediterranean. Dollfus (1935b).

Didymocystis soleiformes Ishii, 1935. Japan. Gills. Ishii (1935).

Didymocystis ovata Ishii, 1935. Japan. Gills. Ishii (1935).

Didymocystis crassa Ishii, 1935. Japan. Gills. Ishii (1935).

Didymozoon pretiosum Ariola, 1902. Naples. Gills. Dawes (1947); Mediterranean. Gills, gill arches, skins. Dawes (1947).

Didymozoon filicolle Ishii, 1935. Japan. Gills. Ishii (1935).

Didymozoon longicolle Ishii, 1935. Japan. Gills. Ishii (1935).

Didymocylindrus filiformis Ishii, 1935. Japan. Gills. Ishii (1935).

Didymoproblema fusiforme Ishii, 1935. Japan. Gills. Ishii (1935).

Lobatozoum multisacculatum Ishii, 1935. Japan. Gills. Ishii (1935).

Didymocystoides semiglobularis (Ishii, 1935) Yamaguti, 1970. Japan. Gills. Ishii (1935).

Nematobothrium sp. South China Sea. Gills, livers, body cavities. Mamaev (1968b).

Oesophagocystis dissimilis (Yamaguti, 1938). South China Sea.

Stomachs. Mamaev (1968b) as Didymocystis d. "[Mamaev's] description and figures do not agree with mine" Yamaguti (1971).

HEMIURIDAE

Aponurus lagunculus Looss, 1907. South China Sea. Digestive tracts. Mamaev (1968b).

Sterrhurus imocavus Looss, 1907. South China Sea. Stomachs. Mamaev (1968b) as Lecithochirium i.

HIRUDINELLIDAE

Hirudinella spinulosa Yamaguti, 1938. South China Sea. Stomachs. Mamaev (1968b).

Hirudinella clavata (Menziés, 1791) Blainville, 1828. Manter (1940b) [= H. marina - Nigrelli and Stunkard (1947)].

Thunnus thunnus (continued)

Hirudinella marina Garcin, 1730. Atlantic Ocean. Stomachs.
Watertor (1973).

BUCEPHALIDAE

Bucephaloides sibi (Yamaguti, 1940) Hopkins, 1954. Japan.
Intestines. Fishchthal and Kuntz (1964).

Rhipidocotyle pentagonum (Ozaki, 1924) Ekmann, 1932. Japan.
Intestines. Yamaguti (1938a).

MONOGENEA

GASTROCOTYLIDAE

Metapseudaxine ventrosicula Mamaev, 1967. South China Sea. Gills.
Mamaev (1968b).

MAZOCRAEIDAE

Kuhnia thunni (Ishii, in Ishii and Sawada, 1936) Sproston, 1946.
Japan. Gills. Ishii and Sawada (1938) as Dactylocotyle t.

CAPSALIDAE

Capsala onchidiocotyle (Setti, 1899) Price, 1938. Dawes (1947).

Capsala interrupta (Monticelli, 1891) Price, 1938. Mediterranean.
Yamaguti (1963b).

Capsala nozawae (Goto, 1894) Price, 1938. North Sea. British
Isles. Yamaguti (1963b).

Caballerocotyla albsmithi Dollfus, 1962. California. Gills. Dollfus
(1962).

Caballerocotyla paucispinosa Mamaev, 1968. South China Sea. Gills,
stomachs. Mamaev (1968b).

Caballerocotyla magronum (Ishii, 1936) Price, 1960. Japan. Gills.
Ishii and Sawada (1938) as Tristoma m.

HEXOSTOMATIDAE

Hexostoma grossum (Goto, 1894) Sproston, 1946. Japan. Gills.
Ishii and Sawada (1938) as Hexacotyle g.

Hexostoma albsmithi Dollfus, 1962. California. Gills. Dollfus
(1962).

Hexostoma thynni (Delaroche, 1811) Rafinesque, 1815. Naples,
North American Atlantic. Gills. Dawes (1947).

Hexostoma acutum (Goto, 1894) Sproston, 1946. Japan. Yamaguti
(1963b).

Hexostoma dissimile (Yamaguti, 1937) Sproston, 1946. Japan.
Gills. Yamaguti (1937) as Hexacotyle d.

Neohexostoma thunninas (Parona and Perugia, 1889) Price, 1961.
Genoa. Gills. Dawes (1947) as Hexostoma t.

Neohexostoma extensicaudum (Dawes, 1940) Price, 1961. North Sea.
Gills. Dawes (1940) as Hexostoma e.

NEMATODA

ANISAKIDAE

Contraecum cornutum (Stossich, 1904). Norway. Berland (1961)
[Should probably be Thynnascaris c.]

Contraecum sp. Larva. South China Sea. Intestines. Mamaev
(1968b).

Thunnus thunnus (continued)

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Adult, juveniles. Norway. Berland (1961) as Contracecum a.
Anisakis sp. Larva. South China Sea. Intestines. Mamaev (1968b).

CAMALLANIDAE

Camallanus melanocephalus (Rudolphi, 1819). Yamaguti (1961).

SPIRUROIDEA

Pontochona caudata Mamaev, 1968. South China Sea. Intestines.
 Mamaev (1968c).

PROTOZOA (MYXOSPORIDA)

CHLOROMYXIDAE

Kudoa clupeiidae (Hahn, 1917) Meglitsch, 1947. Morocco. Muscles.
 Dollfus (1955).

TORPEDINIDAE - Torpedo californica Pacific Electric Ray

SYNONYM - Tetronarce californica

CESTODA

ONCOBOTHRIIDAE

Acanthobothrium hispidum Riser, 1955. Monterey Bay, California.
 Spiral valves. Riser (1955).

DIGENEA

AZYGIIDAE

Otodistomum cestoides (Van Beneden, 1871) Stafford, 1904.
 Dillon Beach, California. Coelomic cavities. Gale (1947).

MONOGENEA

DACTYLOGYRIDAE

Amphibdelloides maccallumi (Johnston and Tiegs, 1933) Price, 1937.
 Cortez Bank, California. Gills. Alexander (1954).

PROTOZOA (MYXOSPORIDA)

CHLOROMYXIDAE

Chloromyxum leydigi Mingazzini, 1890. Monterey, California.
 Gallbladders. Jameson (1929).

Chloromyxum ovatum Jameson, 1929. Monterey, California. Gall-
 bladders. Jameson (1929).

CARANGIDAE - Trachinotus rhodopus Gafftopsail Pompano

DIGenea

LEPOCREADIIDAE

Opechona pharyngodactyla Manter, 1940. Mexico. Intestines. Manter (1940a).

OPECOELIDAE

Opegaster paraprastipomatis Yamaguti, 1938. Galapagos Islands. Digestive tracts. Yamaguti (1938b).

HEMIURIDAE

Gonocercella pacifica Manter, 1940. Columbia. Stomachs. Manter (1940a).

Lecithophyllum trachinoti (Manter, 1940) Yamaguti, 1971. Tenacatita Bay, Mexico. Manter (1940a) as Aponurus t.

ACCACOELIIDAE

Tetrochetus proctocolus Manter, 1940. Galapagos Islands. Rectums. Manter (1940a).

CARANGIDAE - Trachurus symmetricus Jack Mackerel

ACANTHOCEPHALA

RHADINORHYNCHIDAE

Rhadinorhynchus sp. California. Intestines. Dailey (1969a).

CESTODA

DASYRHYNCHIDAE

Dasyrhynchus sp. Pleurocercus. California. Abdominal wall tissues. Dailey (1969a).

TETRAPHYLLEIDA

Scolex pleuronectis Müller, 1788. California. Intestines, caeca, body cavities. Dailey (1969a).

Scolex polymorphus Rudolphi, 1819. California. Intestines, caeca, body cavities. Dailey (1969a). [= S. pleuronectis - Wardle and McLeod (1952)].

COPEPODA

CALIGIDAE

Caligus pelamydis Krøyer, 1863. San Diego, California. Body surfaces. Shiino (1965b).

DIGenea

HEMIURIDAE

Lecithochirum magnaporum Manter, 1940. California. Body cavities. Dailey (1969a).

Trachurus symmetricus (continued)

OPECOELIDAE

Opegaster sp. California. Intestines. Dailey (1969a).

NEMATODA

ANISAKIDAE

Contracaecum sp. Larva. California. Mesenteric fat surrounding stomachs. Dailey (1969a).

Terranova sp. Larva. California. Wall of stomachs. Dailey (1969a) as Porrocaecum sp.

Anisakis sp. Larva. California. Body cavities, stomach walls. Dailey (1969a).

CARCHARHINIDAE - Triakis semifasciata Leopard Shark

CESTODA

TENTACULARIIDAE

Nybelinia anthicosum Heinz and Dailey, 1974. Seal Beach, California. Stomachs, spiral valves. Heinz and Dailey (1974).

EUTETRARHYNCHIDAE

Eutetrarhynchus litocephalus Heinz and Dailey, 1974. Bahia de San Quintin, Baja California, Mexico. Spiral valves. Heinz and Dailey (1974).

PHYLLOBOTHRIIDAE

Phyllobothrium radioductum Kay, 1942. Humboldt Bay, California. Spiral valves. Pappas (1968); San Diego, California. Young (1954).

Phyllobothrium lactuca Van Beneden, 1850. San Luis Obispo Bay, Monterey Bay, California. Spiral valves. Riser (1955).

Anthobothrium parvum Stossich, 1895. Humboldt Bay, California. Spiral valves. Pappas (1968).

Dinobothrium planum Linton, 1922. Humboldt Bay. California. Spiral valves. Pappas (1968).

Orygmatobothrium musteli (Van Beneden, 1850) California. Riser (1955).

LACISTORHYNCHIDAE

Lacistorhynchus tenuis (Van Beneden, 1858) Dollfus, 1929. Humboldt Bay, California. Spiral valves. Pappas (1968); San Diego, California. Young (1954).

COPEPODA

PANDARIDAE

Pandarus cranchii Leach, 1819. Humboldt Bay, California. External behind last gill slits. Pappas (1968).

Pandarus bicolor Leach, 1816. San Francisco and Tomales Bay, California. Body surfaces. Russo (1975).

Triakis semifasciata (continued)

Perissopus oblongatus (Wilson, 1908) Cressey, 1967. Humboldt Bay, California. External on pectoral fins. Pappas (1968); La Jolla, California. Wilson (1908a) as Achtheinus oblongus.
Echthrogaleus coleoptratus (Guerin, 1837) Wilson, 1907. San Francisco and Tomales Bay, California. Body, fins. Russo (1975).

SPHYRIIDAE

Paeon elongatus Wilson, 1932. Humboldt Bay, California. Gill chambers. Pappas (1968).

EUDACTYLINIDAE

Nemesis carchariaglauci (Hesse, 1883³) Wilson, 1922. Humboldt Bay, California. Gills. Pappas (1968) as Krøyeria c. Species Inquirae, may be N. robusta.

LERNAEOPODIDAE

Lernaeopoda scylicola Leigh-Sharpe, 1916. San Francisco and Tomales Bays, California. Heads. Russo (1975).

HIRUDINEA

PISCICOLIDAE

Branchellion lobata Moore, 1952. San Francisco and Tomales Bays, California. Claspers, buccal cavities, fins. Russo (1975).

ISOPODA

CYMOTHOIDAE

Nerocila californica Schioedte and Meinert, 1881, California. Fins. Richardson (1905).

MONOGENEA

HEXABOTHRIIDAE

Erpocotyle squali (Mac Callum, 1931) Price, 1942. Humboldt Bay, California. Gills. Pappas (1968).
 Gen. and sp. Eastern Pacific. Kunnenkeri and Martin (1963).

NEMATODA

PHYSALOPTERIDAE

Proleptus obtusus Dujardin, 1845. Humboldt Bay, California. Internal stomach linings. Pappas (1968).

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Ceratomyxa jamesoni (Jameson, 1931) Kudo, 1933. San Pedro, California. Gallbladders. Jameson (1931) as C. habena.

MYCTOPHIDAE - Triphoturus mexicanus Mexican Lampfish

CESTODA

PSEUDOPHYLLIDEA

Gen. and sp. Larva and adults. Santa Cruz Basin, California.
Intestines. Collard (1968).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. Santa Cruz Basin and Catalina Basin, California.
Mesenteries. Collard (1968).

Contracaecum sp. Larva. Catalina Basin, Santa Barbara and Santa
Cruz Basin, California. Coeloms. Collard (1968).

PROTOZOA (MYXOSPORIDA)

Gen. and sp. Trophic stages. Noble and Collard (1970).

GOBIIDAE - Typhlogobius californiensis Blind Goby

PROTOZOA (MYXOSPORIDA)

TRILOSPORIDAE

Trilospora californica Noble, 1939. Santa Barbara, California.
Gallbladders. Noble (1939).

CERATOMYXIDAE

Leptotheca elegans Noble, 1938. Santa Barbara, California. Gall-
bladders. Noble (1941).

Ceratomyxa vepallida Meglitsch, 1960. Coal Oil Pt., California.
Gallbladders. Noble (1975).

SCIAENIDAE - Umbrina roncador Yellowfin Croaker

ACANTHOCEPHALA

RHADINORHYNCHIDAE

Illiosentis cetratus Van Cleave, 1945. La Jolla, California.
Intestines. Van Cleave (1945).

POLYMORPHIDAE

Arhythmorhynchus macracanthus Ward and Winter, 1952. Juvenile.
Catalina Island, California. Mesenteries. Ward and Winter (1952).

Corynosoma obtuscens Lincicome, 1943. Juvenile. Catalina Island,
California. Mesenteries. Ward and Winter (1952).

Corynosoma osmeri Fujita, 1921. Juvenile. Catalina Island,
California. Mesenteries. Ward and Winter (1952).

Umbrina roncadore (continued)

DIGenea

OPECOELIDAE

Pseudopecoelus umbrinae Manter and Van Cleave, 1951. La Jolla, California. Intestines. Manter and Van Cleave (1951).

Genitocotyle acirra Park, 1937. La Jolla, California. Intestines. Manter and Van Cleave (1951).

ACANTHOCOLPIDAE

Stephanostomum californicum Manter and Van Cleave, 1951. La Jolla, California. Intestines. Manter and Van Cleave (1951).

ZOOGONIDAE

Diplangus triradiatus Manter and Van Cleave, 1951. La Jolla, California. Intestines. Manter and Van Cleave (1951).

MONOGENEA

DIPLECTANIDAE

Rhamnocereus rhamnocereus Monaco, Wood and Mizelle, 1954. La Jolla, California. Gills. Monaco, Wood and Mizelle (1954).

DASYATIDIDAE - Urolophis halleri Round Stingray

SYNONYM - Urobatis halleri

CESTODA

PHYLLOBOTHRIIDAE

Anthobothrium laciniatum Linton, 1890. San Diego, California. Young (1954); California. Linton (1890).

Anthobothrium oligorchidum Young, 1954. San Diego, California. Young (1954).

Echeneibothrium minimum Van Beneden, 1850. San Diego, California. Young (1954).

Echeneibothrium bilobatum Young, 1955. California. Yamaguti (1959b). ["Not in this genus"-Williams (1966)].

Echeneibothrium urobatidium Young, 1955. San Diego, California. Yamaguti (1959b).

Echeneibothrium multorchidum Young, 1954. San Diego, California. Young (1954) ["Not in this genus"-Williams (1966)].

Rhinebothrium flexile Linton, 1890. San Diego, California. Young (1954) as Echeneibothrium f.

Rhinebothrium tumidulum Rudolphi, 1819. San Diego, California. Young (1954) as Echeneibothrium t.

ONCOBOTHRIIDAE

Acanthobothrium olseni Dailey, 1968. Anaheim Bay, California. Appy and Dailey (1973).

Acanthobothrium dujardini Van Beneden, 1849. San Diego, California. Young (1954).

Urolophis halleri (continued)

Acanthobothrium crassicolle Wedl, 1855. San Diego, California.
Young (1954).

EUTETRARHYNCHIDAE

Christianella trygonbrucco (Wagener, 1854) Joyeux and Baer, 1936.
San Diego, California. Young (1954).

Parachristianella trygonis Dollfus, 1946. San Diego, California.
Young (1954).

Eutetrarhynchus schmidti Heinz and Dailey, 1974. Anaheim Bay,
California. Spiral valves. Heinz and Dailey (1974).

Mecistobothrium myliobati Heinz and Dailey, 1974. Seal Beach,
California. Spiral valves. Heinz and Dailey (1974).

Prochristianella minima Heinz and Dailey, 1974. Anaheim Bay,
California. Spiral valves. Heinz and Dailey (1974).

TETRAPHYLLIDEA

Gen and sp. Red pigmented pleurocercoid. Southern California.
Spiral valves. Kunnenkeri and Martin (1962).

COPEPODA

CALIGIDAE

Lepeophtheirus parviventris Wilson, 1905. California. Wilson (1924);
good figure. Kabata (1973).

TREBIIDAE

Trebius tenuifurcatus Rathbun, 1887. San Diego, California.
Exteriors. Wilson (1908a).

Trebius latifurcatus Wilson, 1921. Venice, California. Exteriors.
Wilson (1921).

MONOGENEA

CAPSALIDAE

Entobdella guberleti Caballero and Bravo-Hollis, 1962. Guaymas,
Mexico. Gills. Caballero and Bravo-Hollis (1962).

PROTOZOA (MYXOSPORIDA)

CHLOROMYXIDAE

Chloromyxum ovatum Jameson, 1929. California. Gallbladders.
Jameson (1931).

AGONIDAE - Xeneretmus latifrons Blackedge Poacher

CESTODA

PHYLLOBOTHRIIDAE

Phyllobothrium sp. Larva. British Columbia. Intestines. Arai
(1969b).

PRISTIPOMATIDAE - Xenistius californiensis Salema

DIGenea

HEMIURIDAE

Lecithophyllum intermedium (Manter, 1940) Margolis, 1958. Bahia Magdalena, Baja California, Mexico. Intestines. Arai (1962).

OPECOELIDAE

Opecoelus xenistii Manter, 1940. Galapagos Islands. Intestines. Manter (1940a).

Helicometrina nimia Linton, 1910. Intestines. Arai (1962).

XIPHIIDAE - Xiphias gladius Swordfish

SYNONYM - Histiophorus gladius, Xiphias zeugopteri, Istiophorus gladius

CESTODA

HEPATOXYLIDAE

Hepatoxylon trichuri (Holten, 1802) Dollfus, 1942. Postlarva. Baltic and Mediterranean Sea, Atlantic Ocean. Gills. Dollfus (1942).

TENTACULARIIDAE

Tentacularia coryphaena Bosc, 1802. Nova Scotia. Nigrelli (1938).

Nybelinia bisulcata (Linton, 1889) Dollfus, 1929. Larva. Massachusetts. Viscera. Dollfus (1942).

Nybelinia lingualis (Cuvier, 1817) Dollfus, 1929. Larva. Massachusetts. Viscera. Linton (1889) as Tetrarhynchus bisulcatus; Mediterranean. Dollfus (1935b).

Nybelinia lamonteeae Nigrelli, 1938. Nova Scotia. Nigrelli (1938).

LACISTORHYNCHIDAE

Grillotia erinaceus (Van Beneden, 1858) Guiart, 1927. Larva. Massachusetts. Viscera, peritoneums. Linton (1924) as Rhynchobothrium imparispine.

BOTHRIOCEPHALIDAE

Bothriocephalus manubriiformis (Linton, 1889) Ariola, 1900. Hawaii. Intestines. Yamaguti (1968a); Rhode Island. Linton (1890) as Dibothrium m.

DASYRHYNCHIDAE

Floriceps saccatum Cuvier, 1817. Larva. France. Joyeux and Baer (1936).

TRIAENOPHORIDAE

Fistulicola plicatus (Rudolphi, 1819) Lühe, 1899. Massachusetts. Rectums. Linton (1941).

Xiphias gladius (continued)

OTOBOTHRIIDAE

Otobothrium dipsacum Linton, 1897. Larva. Massachusetts. Viscera. Linton (1924).

Otobothrium crenacolle Linton, 1890. Larva. Massachusetts. On pyloric caeca. Linton (1924).

AMPHICOTYLIDAE

Pseudeubothrium xiphiados Yamaguti, 1968. Hawaii. Intestines. Yamaguti (1968a).

GYMNORHYNCHIDAE

Molicola uncinatus (Linton, 1924). Larva. Massachusetts. Linton (1924) as Rhynchobothrium u.

TRYPANORHYNCHA

Dibothriorhynchus xiphiae MacCallum, 1921. Massachusetts. Yamaguti (1959b) [=D. attenuatus - Nigrelli (1938)]; [Species Incertae sedis - Yamaguti (1959b)].

TETRAPHYLLIDEA

Scolex polymorphus Rudolphi, 1819. Massachusetts. Linton (1924) [=S. pleuronectis - Wardle and McLeod (1952)].

COPEPODA

EURYPHORIDAE

Gloiopotes watsoni Kirtisinghe, 1934. India. Body surfaces. Kurian (1955); Ceylon. Kirtisinghe (1934).

Gloiopotes huttoni (Thomson, 1890) Bassett-Smith, 1899. Peru. Skins. Shiino (1963a) as G. longicaudatus; India. Body surfaces. Rao (1951) as G. zeugopteri; Catalina Island, California. Wilson (1919) as G. costatus.

Gloiopotes ornatus Wilson, 1905. Massachusetts. Exteriors. Wilson (1905a).

CALIGIDAE

Caligus elongatus Nordmann, 1832. New England. Exteriors. Wilson (1905b) as C. rapax.

Caligus chelifer Wilson, 1905. Massachusetts. External surfaces. Wilson (1905b).

Caligus thynni Dana, 1852. Massachusetts. Gills. Wilson (1924).

PENNELIDAE

Lernaeolophus sultanus (Edwards, 1840) Heller, 1865. Ceylon. Kirtisinghe (1935).

Pennella sp. Balakrishnan (1969).

Pennella instructa Wilson, 1917. Massachusetts. In flesh. Wilson (1932); Japan. Yamaguti (1939b); Massachusetts. Wilson (1917).

Pennella filosa (Linnaeus, 1758) Cuvier, 1830. Massachusetts. Wilson (1917); Africa. Barnard (1955).

Pennella costai Richiardi, 1880. Mediterranean. Yamaguti (1963a).

Pennella crassicornis Steenstrup and Lutken, 1861. Africa. Barnard (1955).

Xiphias gladius (continued)

LERNAEOPODIDAE

Thysanote ramosa (Richiardi, 1880) Yamaguti, 1963. Mediterranean.
Yamaguti (1963a).

PHILICHTHYIDAE

Philichthys xiphae Steenstrup, 1864. Massachusetts. Canals of heads. Wilson (1932); New Zealand. Hewitt and Hine (1972); Redrawn Delamare-Deboutville (1962).

CRUSTACEA

LEPADIDAE

Conchoderma virgatum (Spengler, 1790.) On Pennella sp. Balakrishnan (1969).

DIGENEA

DIDYMOZOIDAE

Maccallumtrema xiphiados (MacCallum and MacCallum, 1916) Yamaguti, 1970. Massachusetts. Linton (1940 as Wedlia xiphiados; Atlantic and Pacific. Abdominal muscles. Yamaguti (1970).

Reniforma multilobularis Yamaguti, 1970. Hawaii. Gills. Yamaguti (1970).

HIRUDINELLIDAE

Hirudinella clavata (Menzies, 1791) Blainville, 1828. Atlantic. Manter (1940b) [=H. marina - Nigrelli and Stunkard (1947)].

Hirudinella fusca (Bosc, 1802) Manter, 1926. Massachusetts. Linton (1940) [=H. marina - Nigrelli and Stunkard (1947)].

MONOGENEA

CAPSALIDAE

Tristoma coccineum Cuvier, 1817. Northwest Atlantic. Gill arches, inner surfaces of operculums, between filaments. Iles (1971); Norway. Brinkman (1952); France. Euzet and Quignard (1961).

Tristoma integrum Diesing, 1850. Northwest Atlantic. Between gill filaments. Iles (1971); Norway. Brinkman (1952); France. Euzet and Quignard (1961); Massachusetts. Linton (1940) as T. coccineum.

Tristoma papillosum Diesing, 1836. Massachusetts. Gills. Linton (1940). [=T. coccineum - Price (1939)].

Tristoma adcoccineum Yamaguti, 1968. Hawaii. Gills. Yamaguti (1968b).

Tristoma adintegrum Yamaguti, 1968. Hawaii. Gills and buccal cavities. Yamaguti (1968b).

Capsala laevis (Verrill, 1874) Johnston, 1929. Massachusetts. Gills. Linton (1940).

NEMATODA

ANISAKIDAE

Thynnascaris incurva (Rudolphi, 1819) Hartwich, 1957. Norway. Berland (1961); Japan. Machida (1971) both as Contracaecum i.

Xiphias gladius (continued)

PROTOZOA (MYXOSPORIDA)

CHLOROMYXIDAE

Kudoa maculoliquifaciens (Matsumoto, 1854) Kudo and Meglitsch, in preparation. Japan. Muscles. Matsumoto (1954) as Chloromyxum m.

STICHAEIDAE - Xiphister atropurpureus Black Prickleback

SYNONYMS Epigeichthys atropurpureus, Anoplarchis atropurpureus, Cebidichthys atropurpureus

COPEPODA

CALIGIDAE

Lepeophtheirus parviventris Wilson, 1905. British Columbia. Fraser (1920); Good drawing. Kabata (1973).

CHONDRACANTHIDAE

Chondracanthus pinguis Wilson, 1912. Vancouver, British Columbia. Wilson (1912b).

DIGenea

OPECOELIDAE

Podocotyle atomon (Rudolphi, 1802) Odhner, 1905. British Columbia. Intestines. McFarland (1936).

Podocotyle elongata Park, 1937. Duxberry Reef, California. Intestines. Johnson (1949b).

Podocotyle californica Park, 1937. Dillon Beach, California. Intestines, ceca. Edmiston (1971).

Podocotyle reflexa (Creplin, 1825) Odhner, 1905. British Columbia. Intestines. McFarland (1936).

NEMATODA

PHILOMETRIDAE

Philometra americana Kuitunen-Ekbaum, 1933. British Columbia. Subcutaneous. Kuitunen-Ekbaum (1933a).

STICHAEIDAE - Xiphister mucosus Rock Prickleback

DIGenea

OPECOELIDAE

Podocotyle californica Park, 1937. Dillon Beach, California. Intestines, ceca. Edmiston (1971).

EMBIOTOCIDAE.- Zalembeius rosaceus Pink Surfperch

COPEPODA

PHILICHTHYIDAE

Colobomatus embiotocae Noble, Collard, and Wilkes, 1969. Monterey and Bodega Bays, California. Preopercular-mandibular canals. Iverson (1972).

DIGENEA

ZOOGONIDAE

Neozoogonus californicus Arai, 1954. California and Mexico. Intestines. Arai (1962).

LEPOCREADIIDAE

Labrifer balli Arai, 1971. Santa Monica Bay, California. Intestines. Arai (1971).

MONOGENEA

CAPSALIDAE

Entobdella rosaceus Crane, 1972. San Pedro, California. Skins. Crane (1972).

MICROCOTYLIDAE

Microcotyle zalembeius Crane, 1972. San Pedro, California. Skins. Crane (1972).

ZEIDAE - Zenopsis nebulosus Mirror Dory

CESTODA

TRIAENOPHORIDAE

Eubothrioides lamellatum Yamaguti, 1952. Japan. Yamaguti (1952).

LACISTORHYNCHIDAE

Lacistorhynchus tenuis (Van Beneden, 1858) Dollfus, 1929. Larva. New Zealand. Body cavities. Robinson (1959a).

COPEPODA

CHONDRACANTHIDAE

Chondracanthus distortus Wilson, 1922. Japan. Mouths. Yamaguti (1939c).

CALIGIDAE

Lepeophtheirus goniistii Yamaguti, 1936. Japan. Body surfaces. Shiino (1959e).

Anuretes quadrilaterus Shiino, 1954. Japan. Body surfaces. Shiino (1954d).

Caligus glandifer Shiino, 1954. Japan. Shiino (1954b).

Zenopsis nebulosus (continued)

DIGenea

OPECOELIDAE

Pseudopecoelus japonicus (Yamaguti, 1938) Von Wicklen, 1946. Japan. Intestines. Yamaguti (1938a) as Cymbephallus j.

NEMATODA

ANISAKIDAE

Contracecum zenopsis Yamaguti, 1941. Japan. Small intestines. Yamaguti (1941); New Zealand. Hewitt and Hine (1972). [Probably now Thynnascaris z.]

Contracecum sp. Larva. New Zealand. Stomachs, intestines, body cavities. Hewitt and Hine (1972).

Anisakis sp. Larva. New Zealand. Viscera, mesenteries, under peritoneums. Hewitt and Hine (1972).

ADDENDUM

AGONIDAE - Agonopsis emmelane Northern Spearnose

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Myxidium sp. Puget Sound, Washington. Gallbladders. Kuris (1975).

Sphaeromyxa balbianii Thélohan, 1895. Puget Sound, Washington.
Gallbladders. Kuris (1975).

ALOPIIDAE - Alopias superciliosus Bigeye Thresher

COPEPODA

PANDARIDAE

Pagina tunica Cressey, 1963. Madagascar. Body surfaces. Cressey (1963).

CLUPEIDAE - Alosa sapidissima American Shad

CESTODA

PHYLLOBOTHRIIDAE

Phyllobothrium caudatum (Zschokke and Heitz, 1914). Sacramento-San Joaquin Delta, California. Intestines. Hensley and Nahhas (1975) as Pelichnibothrium speciosum.

NEMATODA

ANISAKIDAE

Raphidascaris sp. Sacramento-San Joaquin Delta, California. Coeloms, mesenteries. Hensley and Nahhas (1975).

Contraecaecum brachyurum (Ward and Magath, 1917). Sacramento-San Joaquin Delta, California. Intestines, caeca. Hensley and Nahhas (1975) [Should probably be Thynnascaris b.]

ANOPLOPOMATIDAE - Anoplopoma fimbria Sablefish

CESTODA

TRYPANORHYNCHA

Gen. and sp. Larva. Southern California. Jensen (1975).

COPEPODA

NAOBRANCHIIDAE

Naobranchia occidentalis Wilson, 1915. Southern California. Gills. Jensen, (1975).

Anoplopoma fimbria (continued)

ISOPODA

CYMOTHOIDAE

Livoneca vulgaris Stimpson, 1857. Southern California. Gills. Jensen (1975).

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Ceratomyxa anoplopoma Moser, in press. Southern California. Gallbladders. Moser (in press).

Leptotheca informis Auerbach, 1910. Southern California. Gallbladders. Moser and Noble (1976).

SPHAEROSPORIDAE

Davisia anoplopoma Moser and Noble, 1975. Central California. Urinary bladders. Moser and Noble (1975).

SCOMBRIDAE - Auxis thazard Frigate Mackerel

DIGENEA

HIRUDINELLIDAE

Hirudinella sp. Japan. Stomachs. Machida, Ichihara and Kamegai (1970).

CARANGIDAE - Caranx hippos Crevalle Jack

COPEPODA

CALIGIDAE

Dentigryps longicauda Cressey, 1966. Madagascar. Body surfaces. Cressey (1966).

ISOPODA

CYMOTHOIDAE

Livoneca ovalis. Long Island Sound, USA. Gills. Briggs (1970).

BRANCHIOSTEGIDAE - Caulolatilus princeps Ocean Whitefish

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Ceratomyxa sp. Southern California. Gallbladders. Jensen (1975).

MACROURIDAE - Coelorinchus scaphopsis

PROTOZOA (MYXOSPORIDA)

CERATOMYXIDAE

Leptotheca informis Auerbach, 1910. Pacific. Mexico. Gallbladders.
Yoshino and Moser (1974).

MYXOBOLIDAE

Myxobolus mexicanus Yoshino and Noble, 1973. Gulf of California. Kidneys.
Yoshino and Noble (1973).

MYXIDIIDAE

Zschokkella rovigensis Nemecek, 1922. Mexico. Urinary bladders and
kidneys. Moser and Noble (1976).

MACROURIDAE - Coryphaenoides acrolepis Pacific Rattail

PROTOZOA (MYXOSPORIDA)

WARDIIDAE

Myxoproteus rosenblatti Moser and Noble, in preparation. Oregon. Gall-
bladders. Moser and Noble (1976).

Myxoproteus abyssus Yoshino and Moser, 1974. Southern California, British
Columbia. Gallbladders. Yoshino and Moser (1974).

SPHAEROSPORIDAE

Sinuolinea triangulata Schulman, 1966. Northern Mexico, Northern California.
Urinary bladders and kidneys. Moser and Noble (1976).

Davisia pectoralis Moser and Noble, 1975. Northern California. Urinary
bladders and kidneys. Moser and Noble (1976).

MYXIDIIDAE

Zschokkella globulosa Davis, 1917. Northern California. Kidneys. Moser
and Noble (1976).

CHLOROMYXIDAE

Chloromyxum kabatai Moser and Noble, in preparation. Oregon. Gallbladders.
Moser and Noble (1976).

AUERBACHIIDAE

Auerbachia pulchra Lom, Noble, and Laird, 1975. Northern California.
Gallbladders. Moser and Noble (1976).

MACROURIDAE - Coryphaenoides armatus

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Myxidium coryphaenoidium Noble, 1966. Costa Rica, Northern Mexican Pacific. Gallbladders. Moser and Noble (1976).

Zschokkella meglitschi Moser and Love, in preparation. Oregon. Urinary bladders and kidneys. Moser and Noble (1976).

WARDIIDAE

Myxoproteus rosenblatti Moser and Noble, in preparation. Costa Rica. Urinary bladders and kidneys. Moser and Noble (1976).

MYXOBOLIDAE

Myxobolus mexicanus Yoshino and Noble, 1973. Northern California. Kidneys. Moser and Noble (1976).

SPHAEROSPORIDAE

Sinuolinea triangulata Schulman, 1966. Mexico-Oregon. Urinary bladders and kidneys. Moser and Noble (1976).

CERATOMYXIDAE

Leptotheca minima Meglitsch, 1960. Northern Mexico. Gallbladders. Moser and Noble (1976).

Leptotheca armatura Yoshino and Moser, 1974. Southern California. Gallbladders. Yoshino and Moser (1976).

MACROURIDAE - Coryphaenoides filifer

PROTOZOA (MYXOSPORIDA)

WARDIIDAE

Myxoproteus abyssus Yoshino and Moser, 1974. Oregon. Urinary bladders. Moser and Noble (1976).

Myxoproteus rosenblatti Moser and Noble, in preparation. Canada. Gallbladders. Moser and Noble (1976).

MYXIDIIDAE

Zschokkella meglitschi Moser and Noble, in preparation. Oregon. Urinary bladders. Moser and Noble (1976).

AUERBACHIIDAE

Auerbachia pulchra Lom, Noble and Laird, 1975. Oregon-Canada. Gallbladders. Moser and Noble (1976).

MACROURIDAE - Coryphaenoides pectoralis

PROTOZOA (MYXOSPORIDA)

SPHAEROSPORIDAE

Sinuolinea triangulata Schulman, 1966. Northern California. Kidneys.
Moser and Noble (1976).

Davisia coryphaenoidia Yoshino and Noble, 1973. Northern California.
Urinary bladders and kidneys. Moser and Noble (1976).

MYXIDIIDAE

Zschokkella meglitschi Moser and Noble, in preparation. Central California.
Urinary bladders. Moser and Noble (1976).

AUERBACHIIDAE

Auerbachia pulchra Lom, Noble and Laird, 1975. Northern California.
Moser and Noble (1976).

EMBIOTOCIDAE - Damalichthys vacca Pile Surfperch

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Zschokkella embiotocidis Moser and Halderson, in press. Central California.
Gallbladders. Moser and Halderson (in press).

SPHAEROSPORIDAE

Davisia reginae Love and Moser, in press. Central California. Urinary
bladders. Love and Moser (in press).

MYCTOPHIDAE - Diaphus theta California Headlight Fish

COPEPODA

LERNAEIDAE

Cardiodectes medusaeus (Wilson, 1908) Yamaguti, 1963. Monterey Bay,
California. Flesh (embedded). Anderson (1976).

EMBIOTOCIDAE - Embiotoca lateralis Striped Surfperch

PROTOZOA (MYXOSPORIDA)

SPHAEROSPORIDAE

Davisia reginae Love and Moser, in preparation. Central California.
Urinary bladders. Love and Moser (in press).

MUGILIDAE - Mugil cephalus Striped Mullet

DIGenea

Sanguinicolidae

Plethorchis acanthus Martin, 1975. Brisbane River, Australia. Coeloms, blood vessels of mesenteries, intestines and livers. Martin (1975).

MACROURIDAE - Nezumia liolepis

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Myxidium coryphaenoidium Noble, 1966. Southern California. Gall-bladders. Moser and Noble (1976).

Zschokkella globulosa Davis, 1917. Southern California. Urinary bladders and kidneys. Moser and Noble (1976).

MACROURIDAE - Nezumia stelgidolepis California Rattail

PROTOZOA (MYXOSPORIDA)

MYXIDIIDAE

Zschokkella meglitschi Moser and Noble, in preparation. Southern California. Urinary bladders. Moser and Noble (1976).

Zschokkella globulosa Davis, 1917. Southern California. Urinary bladders. Moser and Noble (1976).

CERATOMYXIDAE

Ceratomyxa hopkinsi Jameson, 1929. Southern California. Gallbladders. Moser and Noble (1976).

SERRANIDAE - Paralabrax nebulifer Barred Sand Bass

PROTOZOA (CILIOPHORA)

OPHRYOGLLENIDAE

Cryptocaryon irritans Brown, 1951. New York Aquarium. Skin, gills and eyes. Nigrelli and Ruggieri (1966).

SCORPAENIDAE - Sebastes aleutianus Roughey Rockfish

MONOGENEA

CAPSALIDAE

Trochopus sp. Northeast Pacific. Gills. Sekerak (1975).

Benedenia derzhavini (Layman, 1930) Meserve, 1938. Northeast Pacific.
Gills. Sekerak (1975).

NEMATODA

ANISAKIDAE

Contracaecum sp. Larva. Northeast Pacific. Pyloric caeca, stomach walls,
mesenteries. Sekerak (1975).

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957. Northeast Pacific.
Stomachs, intestines. Sekerak (1975).

CUCULLANIDAE

Cucullanus sp. Northeastern Pacific. Intestines. Sekerak (1975).

SCORPAENIDAE - Sebastes maliger Quillback Rockfish

PROTOZOA (MYXOSPORIDA)

SPHAEROSPORIDAE

Davisia reginae Love and Moser, in press. Northern California. Urinary
bladders. Love and Moser (in press).

SCORPAENIDAE - Sebastes serranoides Olive Rockfish

PROTOZOA (MYXOSPORIDA)

SPHAEROSPORIDAE

Davisia reginae Love and Moser, in press. Central California. Urinary
bladders. Love and Moser (in press).

PARASITE - HOST LIST

ACANTHOCEPHALA

Gen. and sp. - Argyropelechus pacificus, Stenobranchius leucopsarus.

DIPLOSENTIDAE

Pararhadinorhynchus mugilis Johnston and Edmonds, 1947 - Mugil cephalus

ECHINORHYNCHIDAE

Acanthocephalus anguillae (Müller, 1780) Lühe, 1911 - Salmo gairdneri

Acanthocephalus echigoensis Fujita, 1920 - Oncorhynchus keta, O.

nerka, Salmo gairdneri

Acanthocephalus jacksoni Bullock, 1962 - Oncorhynchus nerka, Salmo gairdneri

Acanthocephalus lucii (Müller, 1776) Lühe, 1911 - Clupea harengus,

Gasterosteus aculeatus

Echinorhynchus sp. - Sebastes eos, S. levis

Echinorhynchus gadi Zoega in Muller, 1776 - Agonus acipenserinus,

Ammodytes hexapterus, Aprodon cortezianus, Atheresthes stomias,

Blepsias cirrhosus, Clupea harengus, Cololabis saira, Cymatogaster

aggregata, Eopsetta jordani, Gadus macrocephalus, Gasterosteus

aculeatus, Hemilepidotus hemilepidotus, Hexagrammos lagocephalus,

Hippoglossoides elassodon, Hippoglossus stenolepis, Icelinus fila-

mentosus, Lepidopsetta bilineata, Leptocottus armatus, Mola mola,

Oncorhynchus gorbusha, O. keta, O. kisutch, O. nerka, O. tschawytscha,

Platichthys stellatus, Pleurogrammus monoptyerygius, Reinhardtius

hippoglossoides, Roccus saxatilis, Sebastes alutus, S. babcocki,

S. caurinus, S. diploproa, S. flavidus, S. helvomaculatus, S.

proriger, S. ruberrimus, S. zacentrus, Squalus acanthias, Theragra

chalcogramma

Metechinorhynchus lageniformis (Ekbaum, 1938) Golvan, 1969 - Lepi-

dopsetta bilineata, Parophrys vetulus, Platichthys stellatus

Metechinorhynchus lateralis (Leidy, 1851) Golvan, 1969 - Gasterosteus

aculeatus, Oncorhynchus kisutch, Salmo clarki, S. gairdneri

Metechinorhynchus leidy (Van Cleave, 1924) Golvan, 1969 - Salmo

gairdneri

Metechinorhynchus salmonis (Müller, 1784) Petrotchenko, 1956 -

Clupea harengus, Gasterosteus aculeatus, Oncorhynchus nerka, Salmo

clarki, S. gairdneri

Metechinorhynchus truttae (Schrank, 1788) Petrotschenko, 1956 -

Salmo gairdneri

Neorhadinorhynchus nudus (Harada, 1938) Yamaguti, 1939 - Auxis

thazard, Euthynnus affinis, Thunnus thunnus

Pseudoechinorhynchus clavula (Dujardin, 1845) Petrotchenko, 1956 -

Clupea harengus, Gasterosteus aculeatus, Salmo gairdneri

GORGORHYNCHIDAE

Gorgorhynchus sp. - Thunnus alalunga

ACANTHOCEPHALA (continued)

LEPTORHYNCHOIDIDAE

Leptorhynchoides thecatus (Linton, 1891) Kostylew, 1924 - Oncorhynchus nerka, Roccus saxatilis, Salmo gairdneri

NEOECHINORHYNCHIDAE

Floridosentis elongatus Ward, 1953 - Mugil cephalus
Gracilisentis gracilisentis (Van Cleave, 1913) Van Cleave, 1919 -
Dorosoma petenense
Microsentis wardae Martin and Multani, 1966 - Gillichthys mirabilis
Neoechinorhynchus agilis (Rudolphi, 1819) - Mugil cephalus
Neoechinorhynchus chilkaense Podder, 1937 - Mugil cephalus
Neoechinorhynchus crassus Van Cleave, 1919 - Salmo clarki
Neoechinorhynchus cristatum Lynch, 1936 - Gasterosteus aculeatus,
Oncorhynchus kisutch, O. tschawytscha
Neoechinorhynchus pungitius - Oncorhynchus nerka
Neoechinorhynchus rutili (Müller, 1780) - Gasterosteus aculeatus,
Oncorhynchus keta, O. kisutch, O. nerka, Salmo clarki, S. gairdneri
Tanaorhamphus longirostris (Van Cleave, 1913) Ward, 1918 - Dorosoma petenense

PARACANTHOCEPHALIDAE

Paracanthocephalus tenuirostris Akhmerov and Dombrovskaya - Ackmerova, 1941 - Oncorhynchus gorbuscha

POLYMORPHIDAE

Arhythmorhynchus macracanthus Ward and Winter, 1952 - Umbrina roncadador
Bolbosoma sp. - Scomber japonicus
Bolbosoma caeniforme (Heitz, 1920) - Cololabis saira, Oncorhynchus gorbuscha, O. keta, O. kisutch, O. nerka, O. tschawytscha
Bolbosoma thunni Harada, 1935 - Thunnus thunnus
Bolbosoma nipponicum Yamaguti, 1939 - Theragra chalcogramma
Bolbosoma vasculosum (Rudolphi, 1819) - Thunnus alalunga
Corynosoma sp. - Anoplopoma fimbria, Cymatogaster aggregata, Hemilepidotus hemilepidotus, Hexagrammos lagocephalus, Leptocottus armatus, Oncorhynchus kisutch, Sebastes aleutianus, S. brevispinus, S. caurinus, S. elongatus, S. helvomaculatus, S. maliger, S. ruberrimus, S. zacentrus
Corynosoma obtuscens Lincicome, 1942 - Umbrina roncadador
Corynosoma osmeri Fujita, 1921 - Umbrina roncadador
Corynosoma reductum (Von Lindstow, 1905) - Atheresthes stomias, Hippoglossoides elassodon, Hippoglossus stenolepis
Corynosoma semerme (Florssell, 1904) Lühe, 1911 - Clupea harengus, Gasterosteus aculeatus, Oncorhynchus nerka
Corynosoma strumosum (Rudolphi, 1802) Lühe, 1904 - Atheresthes stomias, Clupea harengus, Eopsetta jordani, Gadus macrocephalus, Gasterosteus aculeatus, Hexagrammos lagocephalus, Hippoglossoides elassodon, Hippoglossus stenolepis, Lepidopsetta bilineata, Leptocottus armatus, Oncorhynchus gorbuscha, O. nerka, O. tschawytscha, Platichthys stellatus, Pleurogrammus monoptyerygius, Psettichthys melanostictus, Reinhardtius hippoglossoides, Theragra chalcogramma

ACANTHOCEPHALA (continued)

- Corynosoma villosum Van Cleave, 1953 - Oncorhynchus gorbuscha, O. keta, Sebastes alutus
Corynosoma wegeneri Heinze, 1934 - Oncorhynchus nerka

POMPHORHYNCHIDAE

- Pomphorhynchus bulbocolli (Linkins, 1918) Van Cleave, 1919 - Oncorhynchus kisutch, O. nerka, Salmo clarki, S. gairdneri
Pomphorhynchus laevis (Zoega in Müller, 1776) Van Cleave, 1924 - Clupea harengus, Gasterosteus aculeatus, Roccus saxatilis, Salmo gairdneri
Pomphorhynchus rocci Cordonnier and Ward, 1967 - Roccus saxatilis

RHADINORHYNCHIDAE

- Gorgorhynchoides sp. - Caranx hippos
Gorgorhynchus medius (Linton, 1908) Chandler, 1934 - Echeneis naucrates
Gorgorhynchus robertdolfusi Golvan, 1956 - Gempylus serpens
Illiosentis africanus Golvan, 1956 - Albula vulpes
Illiosentis cetratus Van Cleave, 1945 - Menticirrhus undulatus, Roncador stearnsi, Umbrina rondador
Raorhynchus meyeri (Heinze, 1969) Golvan, 1969 - Euthynnus pelamis
Raorhynchus terebra (Rudolphi, 1819) Tripathi, 1959 - Euthynnus pelamis
Rhadinorhynchus sp. - Salmo gairdneri, Trachurus symmetricus
Rhadinorhynchus cadenati (Golvan and Houin, 1964) Golvan, 1969 - Scomber japonicus, Thunnus albacores
Rhadinorhynchus cololabis Laurs and McCauley, 1964 - Cololabis saira
Rhadinorhynchus japonicus Fujita, 1920 - Scomber japonicus
Rhadinorhynchus lintoni Cable and Linderoth, 1963 - Scomber japonicus
Rhadinorhynchus pristis (Rudolphi, 1802) Lühe, 1911 - Coryphaena hippurus, Euthynnus pelamis, Istiophorus platypterus, Scomber japonicus, Thunnus alalunga, T. albacores
Rhadinorhynchus selkirki Van Cleave, 1921 - Auxis thazard, Cololabis saira
Rhadinorhynchus seriolae (Yamaguti, 1963) Golvan, 1969 - Scomber japonicus
Rhadinorhynchus tenuicornis (Linton, 1891) Van Cleave, 1918 - Echeneis naucrates
Rhadinorhynchus trachuri Harada, 1935 - Cololabis saira, Oncorhynchus gorbuscha, O. keta, O. kisutch, O. nerka
Telosentis exiquus (Von Linstow, 1901) Van Cleave, 1921 - Gasterosteus aculeatus
Serrasentis lamelliger (Diesing, 1854) Meyer, 1932 - Naucrates ductor
Serrasentis sagittifer (Linton, 1889) Linton, 1932 - Clupea harengus, Coryphaena hippurus, Echeneis naucrates, Euthynnus affinis

ARTHROPODA

Hydrachna sp. - Oncorhynchus nerka

CESTODA

Gen. and sp. - Tarletonbeania crenularis

AMPHICOTYLIDAE

Abothrium gadi Van Beneden, 1871 - Gadus macrocephalus, Theragra chalcogramma

Eubothrium sp. - Cymatogaster aggregata, Gasterosteus aculeatus, Hippoglossoides elassodon, Lepidopsetta bilineata, Oncorhynchus nerka, O. tschawytscha, Reinhardtius hippoglossoides, Salmo gairdneri

Eubothrium crassum (Bloch, 1779) - Clupea harengus, Gasterosteus aculeatus, Oncorhynchus gorbusha, O. keta, O. kisutch, O. nerka, O. tschawytscha, Platichthys stellatus, Salmo gairdneri

Eubothrium oncorhynchi Wardle, 1932 - Oncorhynchus keta, O. kisutch, O. tschawytscha

Eubothrium salvelini (Schrank, 1790) Nybelin, 1922 - Oncorhynchus nerka, Salmo clarki, S. gairdneri

Psuedobothrioides lepidocybii Yamaguti, 1968 - Lepidocybium flavobrunneum

Pseudeubothrium xiphiados Yamaguti, 1968 - Xiphias gladius

AMPHILINIDAE

Amphilina bipunctata Riser, 1948 - Acipenser transmontanus

Amphilina japonica Goto and Ishii, 1936 - Acipenser medirostris

BALANOBOTHRIIDAE

Balanobothrium parvum Southwell, 1925 - Galeocerdo cuvieri

BOTHRIOCEPHALIDAE

Bothriocephalus sp. - Aulorhynchus flavidus, Gadus macrocephalus, Gasterosteus aculeatus, Hippoglossoides elassodon, Lepidopsetta bilineata, Merluccius productus, Pholis laeta, Reinhardtius hippoglossoides, Remora remora, Scomber japonicus, Sebastes alutus, S. caurinus

Bothriocephalus? claviceps (Goeze, 1782) Rudolphi, 1810 - Gasterosteus aculeatus

Bothriocephalus manubriiformis (Linton, 1889) Ariola, 1900 - Istiophorus platypterus, Tetrapterus angustirostris, I. audax, Xiphias gladius

Bothriocephalus monorchis Linstow, 1903 - Mola mola

Bothriocephalus occidentalis (Linton, 1898) - Leptocottus armatus, Sebastes sp.

Bothriocephalus ospariichthydis Yamaguti, 1934 - Merluccius productus

Bothriocephalus scorpii (Müller, 1776) Rudolphi, 1808 - Apodichthys flavidus, Aprodon cortezianus, Artedius harringtoni, Blepsias cirrhosus, Clupea harengus, Delolepis giganteus, Enophrys bison, Gasterosteus aculeatus, Hexagrammos decagrammus, H. lagocephalus, Leptocottus armatus, Nautichthys oculofasciatus, Oligoplites saurus, Platichthys stellatus, Sebastes aleutianus, S. alutus, S. babcocki, S. paucispinis, S. pinniger, S. proriger, S. reedi, S. rubberimus, S. zacentrus, Theragra chalcogramma

Parabothriocephalus sagitticeps (Sleggs, 1927) Jensen, in preparation - Sebastes paucispinis

CATHETOCEPHALIDAE

Cathetocephalus thatcheri Dailey and Overstreet, 1973 - Carcharhinus leucas

CESTODA (continued)

Cyathocephalus sp. - Salmo clarki
Cyathocephalus truncatus (Pallas, 1781) Kessler, 1868 - Gasterosteus aculeatus, Oncorhynchus kisutch, O. nerka, Salmo gairdneri

DASYRHYNCHIDAE

Gen. and sp. - Thunnus albacores
Callitetrarhynchus sp. - Clevelandia ios, Ilypnus gilberti, Quietula y-cauda
Callotetrarhynchus gracilis (Rudolphi, 1819) Pintner, 1931 - Auxis thazard, Carcharhinus obscurus, Coryphaena hippurus, Euthynnus affinis, Prionace glauca, Remora remora, Roccos saxatilis, Thunnus albacores (Possible host), Thunnus thunnus
Dasyrhynchus sp. - Trachurus symmetricus
Dasyrhynchus giganteus (Diesing, 1850) Pintner, 1929 - Carcharhinus leucas
Dasyrhynchus talismani Dollfus, 1935 - Carcharhinus longimanus
Floriceps saccatus Cuvier, 1817 - Carcharhinus obscurus, Mola mola, Notorhynchus maculatus, Prionace glauca, Xiphias gladius

DIBOTHRIOCEPHALIDAE

Dibothriocephalus sp. - Salmo gairdneri

DIPHYLLOBOTHRIIDAE

Diphyllobothrium sp. - Gasterosteus aculeatus, Hippoglossoides elassodon, Merluccius productus, Oncorhynchus gorboscha, O. keta, O. nerka, O. tshawytscha, Platichthys stellatus, Salmo clarki, S. gairdneri, Sarda chiliensis, Theragra chalcogramma
Diphyllobothrium cordiceps Leidy, 1871 - Oncorhynchus kisutch, Salmo clarki, S. gairdneri
Diphyllobothrium dendriticum (Nitzsch, 1824) - Gasterosteus aculeatus, Salmo gairdneri
Diphyllobothrium ditremus (Creplin, 1825) - Gasterosteus aculeatus
Diphyllobothrium latum (Linneus, 1758) - Oncorhynchus gorboscha, O. keta, O. kisutch, Salmo gairdneri
Diphyllobothrium norvegicum Vik, 1957 - Gasterosteus aculeatus
Diphyllobothrium osmeri (Linstow, 1878) - Gasterosteus aculeatus
Diphyllobothrium ursi Ra usch, 1954 - Oncorhynchus nerka
Diphyllobothrium vogeli Kuhl, 1952 - Gasterosteus aculeatus
Ligula intestinalis (Linneus, 1758) - Salmo gairdneri
Pyramicrocephalus phocarum (Fabricius, 1780) - Hippoglossoides elassodon, Theragra chalcogramma
Schistocephalus sp. - Gasterosteus aculeatus, Oncorhynchus nerka, Salmo gairdneri
Schistocephalus solidus (Müller, 1776) Steenstrup, 1857 - Gasterosteus aculeatus, Salmo gairdneri

DIPLOCOTYLIDAE

Bothrimonus sturionis Duvernoy, 1842 - Oncorhynchus gorboscha, O. nerka

CESTODA (continued)

DISCULICIPITIDAE

Disculiceps pileatus (Linton, 1890) Joyeux and Baer, 1935 - Carcharhinus leucas, C. obscurus

ECHENIBOTHRIIDAE

Caulobothrium opisthorchis Riser, 1955 - Myliobatis californica
Caulobothrium tetrascaphium Riser, 1955 - Myliobatis californica

EUTETRARHYNCHIDAE

Christianella trygonbrucco (Wagener, 1854) Joyeux and Baer, 1936 -
Urolophis halleri

Eutetrarhynchus litocephalus Heinz and Dailey, 1974 - Mustelus californicus, Triakis semifasciata

Eutetrarhynchus macrotrachelus Heinz and Dailey, 1974 - Mustelus californicus

Eutetrarhynchus ruficollis (Eysenhardt, 1829) Pintner, 1913 - Squalus acanthias

Eutetrarhynchus schmidti Heinz and Dailey, 1974 - Rhinobatis productus,
Urolophis halleri

Mecistobothrium myliobati Heinz and Dailey, 1974 - Myliobatis californica,
Urolophis halleri

Parachristianella monomegacantha Kruss, 1959 - Rhinobatis productus

Parachristianella trygonis Dollfus, 1946 - Urolophis halleri

Prochristianella fragilis Heinz and Dailey, 1974 - Rhinobatis productus

Prochristianella minima Heinz and Dailey, 1974 - Platyrrhinoidis triseriata, Urolophis halleri

GILQUINIIDAE

Gilquinia squali (Fabricius, 1794) Dollfus, 1930 - Citharichthys stimaeus,
Squalus acanthias

GORGODERIDAE

Phyllodistomum borisbychowski Caballero and Caballero, 1969 - Gibbonsia metzi

GRILLOTIDAE

Grillotia acanthoscolex Rees, 1944 - Hexanchus griseus

Grillotia erinaceus (Van Beneden, 1858) Guiart, 1927 - Hexanchus griseus

Grillotia heptanchii (Vaullegeard, 1899) Dollfus, 1942 - Hexanchus griseus

Grillotia musculara (Hart, 1936) Dollfus, 1942 - Hexanchus griseus

Grillotia scolecina (Rudolphi, 1819) - Hexanchus griseus

GYMNORHYNCHIDAE

Gymnorhynchus gigas (Cuvier, 1817) - Isurus oxyrinchus, Thunnus albacores

Gymnorhynchus isuri Robinson, 1959 - Isurus oxyrinchus

Molicola horridus (Goodsir, 1841) - Isurus oxyrinchus, Mola mola

Molicola uncinatum (Linton, 1924) - Alopias vulpinus, Xiphias gladius

CESTODA (continued)

GYROCOTYLIDAE

- Gyrocotyle fimbriata Watson, 1911 - Hydrolagus colliei
Gyrocotyle parvispinosa (Lynch, 1945) - Hydrolagus colliei
Gyrocotyle urna (Grübe and Wagener, 1852) - Hydrolagus colliei

HEPATOXYLIDAE

- Hepatoxylon sp. - Thunnus albacores
Hepatoxylon squali Bosc, 1811 - Alopias vulpinus, Prionace glauca.
Hepatoxylon trichiuri (Holten, 1802) Dollfus, 1942 - Carcharodon carcharias, Coryphaena hippurus, Isurus oxyrinchus, Oncorhynchus keta, O. tschawytscha, Prionace glauca, Squalus acanthias, Thunnus alalunga, Xiphias gladius.

LACISTORHYNCHIDAE

- Grillotia sp. - Thunnus albacores
Grillotia erinaceus (Van Beneden, 1858) Guiart, 1927 - Atheresthes stomias, Carcharhinus leucas, C. obscurus, Clupea harengus, Squalus acanthias, Theragra chalcogramma, Xiphias gladius
Grillotia smarisgora (Wagener, 1854) Dollfus, 1947 - Squatina californica
Lacistorhynchus tenuis (Van Beneden, 1858) Dollfus, 1929 - Alopias vulpinus, Cymatogaster aggregata, Clupea harengus, Leuresthes tenuis, Mustelus californicus, M. henlei, Rhinobatis productus, Roccus saxatilis, Squalus acanthias, Thunnus thunnus, Triakis semifasciata, Zenopsis nebulosus

LECANICEPHALIDAE

- Discobothrium myliobatidis Dailey and Mudry, 1968 - Myliobatis californica

LITOBOTHRIDAE

- Litobothrium alopias Dailey, 1969 - Alopias superciliosus
Litobothrium coniformis Dailey, 1969 - Alopias superciliosus
Litobothrium gracile Dailey, 1971 - Odontaspis ferox

ONCOBOTHRIDAE

- Acanthobothrium bajaensis Appy and Dailey, 1973 - Heterodontus francisci
Acanthobothrium benedeni Lönnberg, 1889 - Dasyatis violacea
Acanthobothrium brachyacanthum Riser, 1955 - Prionace glauca, Raja binoculata, R. inornata
Acanthobothrium coronatum (Rudolphi, 1819) Van Beneden, 1849 - Alopias vulpinus, Prionace glauca, Squalus acanthias
Acanthobothrium crassicolle Wedl, 1855 - Dasyatis violacea, Urolophus halleri
Acanthobothrium dujardinii Van Beneden, 1849 - Raja binoculata, Rhinobatis productus, Urolophus halleri
Acanthobothrium filicolle (Zschokke, 1887) Beauchamp, 1905 - Dasyatis violacea, Hexanchus griseus
Acanthobothrium goldsteini Appy and Dailey, 1973 - Platyrrhinoidis triseriata
Acanthobothrium hispidum Riser, 1955 - Torpedo californica
Acanthobothrium holorhini Alexander, 1953 - Myliobatis californica
Acanthobothrium maculatum Riser, 1955 - Myliobatis californica
Acanthobothrium microcephalum Alexander, 1953 - Myliobatis californica

CESTODA (continued)

- Acanthobothrium olseni Dailey and Mudry, 1968 - Urolophis halleri
Acanthobothrium parviuncinatum Young, 1954 - Gymnura marmorata
Acanthobothrium paulum Linton, 1890 - Hexanchus griseus
Acanthobothrium rhinobati Alexander, 1953 - Rhinobatis productus
Acanthobothrium robustum Alexander, 1953 - Rhinobatis productus
Acanthobothrium unilateralis Alexander, 1953 - Myliobatis californica
Calliobothrium pellucidum Riser, 1955 - Mustelus californicus
Calliobothrium verticillatum (Rudolphi, 1819) Van Beneden, 1850 -
Hexanchus griseus, Prionace glauca, Squalus acanthias
Ceratobothrium xanthocephalum Monticelli, 1892 - Isurus oxyrinchus
Cylindrophorus posteroporus Riser, 1955 - Prionace glauca
Pedibothrium hutsoni (Southwell, 1911) Southwell, 1924 - Galeocерdo
cuvieri
Pedibothrium longispine Linton, 1909 - Galeocерdo cuvieri
Phoreiobothrium exceptum Linton, 1924 - Carcharhinus leucas, Sphyrna
zygaena
Phoreiobothrium lasium Linton, 1889 - Alopias vulpinus, Carcharhinus
leucas, C. obscurus, Galeocерdo cuvieri, Sphyrna zygaena
Phoreiobothrium pectinatum Linton, 1924 - Sphyrna zygaena
Phoreiobothrium trilocolatum Linton, 1901 - Carcharhinus obscurus
Pinguicollum pinguicollum (Sleggs, 1927) Riser, 1955 - Raja binocolata,
R. inornata, R. rhina
Platybothrium auriculatum Yamaguti, 1952 - Prionace glauca
Platybothrium baeri Euzet, 1952 - Prionace glauca
Platybothrium cervinum Linton, 1890 - Carcharhinus obscurus, Prionace
glauca
Platybothrium parvum Linton, 1901 - Isurus oxyrinchus, Prionace glauca,
Sphyrna zygaena
Thysanocephalum crispum (Linton, 1889) Linton, 1891 - Galeocерdo
cuvieri, Sphyrna zygaena
Thysanocephalum rugosum Chandler, 1942 - Galeocерdo cuvieri

OTOBOTHRIIDAE

- Otobothrium crenacolle Linton, 1890 - Carcharhinus leucas, C. obscurus,
Coryphaena hippurus, Sphyrna zygaena, Squalus acanthias, Xiphias
gladius
Otobothrium curtum (Linton, 1909) Dollfus, 1942 - Galeocерdo cuvieri
Otobothrium dipsacum Linton, 1897 - Carcharhinus obscurus, Xiphias
gladius
Otobothrium mugilis Hiscock, 1954 - Mugil cephalus
Otobothrium penetrans Linton, 1907 - Carcharhinus leucas, Sphyrna
zygaena
Otobothrium paphridos Dollfus, 1969 - Sphyrna zygaena
Otobothrium propecysticum Dollfus, 1969 - Sphyrna zygaena
Poecilancistrum caryophyllum (Diesing, 1850) Dollfus, 1942 - Carcharhinus
leucas

PHYLLOBOTHRIIDAE

- Gen. and sp. - Cololabis saira
Anthobothrium auriculatum (Rudolphi, 1819) Diesing, 1862 - Hexanchus
griseus, Prionace glauca
Anthobothrium cornucopia Van Beneden, 1850 - Notorhynchus maculatus,
Prionace glauca

CESTODA (continued)

- Anthobothrium exiquum Yamaguti, 1935 - Alopias vulpinus
Anthobothrium lacinatum Linton, 1890 - Carcharhinus leucas, C. obscurus, Prionace glauca, Urolophis halleri
Anthobothrium minutum Guiart, 1935 - Prionace glauca
Anthobothrium oligorchidum Young, 1954 - Urolophis halleri
Anthobothrium parvum Stossich, 1895 - Mustelus henlei, Triakis semifasciata
Anthobothrium pulvinatum Linton, 1890 - Squalus acanthias
Anthobothrium variabile (Linton, 1889) - Cetorhinus maximus
Crossobothrium angustum (Linton, 1889) Linton, 1901 - Alopias vulpinus, Carcharhinus obscurus, Prionace glauca
Dinobothrium septaria Van Beneden, 1889 - Cetorhinus maximus, Carcharodon carcharias, Lamna ditropis, Prionace glauca
Dinobothrium keilini Sproston, 1948 - Prionace glauca
Dinobothrium planum Linton, 1922 - Triakis semifasciata
Dinobothrium plicatum Linton, 1922 - Carcharodon carcharias
Dinobothrium simile Van Beneden, 1889 - Lamna ditropis
Discobothrium (Echeneibothrium) fallax Van Beneden, 1870 - Raja inornata, R. rhina
Echeneibothrium sp. - Thunnus albacores
Echeneibothrium bilobatum Young, 1955 - Urolophis halleri
Echeneibothrium dolichoophorum Riser, 1955 - Raja rhina
Echeneibothrium macrasum Riser, 1955 - Raja inornata
Echeneibothrium minimum Van Beneden, 1850 - Urolophis halleri
Echeneibothrium multorchidum Young, 1954 - Urolophis halleri
Echeneibothrium myzorhynchum Hart, 1936 - Myliobatis californica, Raja binocolata
Echeneibothrium octorchis Riser, 1955 - Raja binocolata, R. inornata, R. rhina
Echeneibothrium urobatidium Young, 1955 - Urolophis halleri
Gastrolecithus planus (Linton, 1922) Yamaguti, 1952 - Cetorhinus maximus, Mustelus henlei
Inermiphyllidium brachyascum Riser, 1955 - Myliobatis californica
Marsupiobothrium alopias Yamaguti, 1952 - Alopias vulpinus
Marsupiobothrium forte (Linton, 1924) Yamaguti, 1959 - Sphyrna zygaena
Monorygma sp. - Squalus acanthias
Monorygma galeocerdonis MacCallum, 1921 - Galeocerdo cuvieri
Monorygma perfectum (Van Beneden, 1853) Diesing, 1863 - Somniosus pacificus
Orygmatobothrium musteli (Van Beneden, 1850) - Galeorhinus zyopterus, Mustelus henlei, Triakis semifasciata
Pelichnibothrium sp. - Salmo gairdneri
Pelichnibothrium speciosum Monticelli, 1889 - Prionace glauca
Phyllobothrium sp. - Agonus acipenserinus, Ammodytes hexapterus, Aprodon cortezianus, Aulorhynchus flavidus, Blepsias cirrhosus, Clupea harengus, Coryphopterus nicholsi, Cymatogaster aggregata, Gadus macrocephalus, Gasterosteus aculeatus, Hexagrammos lagocephalus, hippoglossoides elassodon, Icelinus filamentosus, I. tenuis, Lampetra tridentata, Lepidopsetta bilineata, Oncorhynchus gorboscha, O. keta, O. kisutch, O. nerka, O. tschawytscha, Ophiodon elongatus, Platichthys stellatus, Sebastes alutus, S. caurinus, S. crameri, S. diploproa, S. entomelas, S. maliger, S. pinniger, S. rubberimus, S. zacentrus, Squalus acanthias, Sygnathus leptorhynchus, Thaleichthys pacificus, Theragra chalcogramma, Xeneretmus latifrons

CESTODA (continuing)

- Phyllobothrium caudatum (Zschokke and Heitz, 1914) - Alepisaurus ferox, Alosa sapidissima, Eopsetta jordani, Lampris regius, Luvarus imperialis, Oncorhynchus gorboscha, O. keta, O. kisutch, O. nerka, O. tschawytscha, Thunnus albacores, Thunnus thunnus
- Phyllobothrium centrurum Southwell, 1925 - Hexanchus griseus
- Phyllobothrium dagnallium Southwell, 1927 - Galeocerdo cuvieri
- Phyllobothrium dohrnii (Oerley, 1885) Zschokke, 1888 - Hexanchus griseus
- Phyllobothrium foliatum Linton, 1890 - Carcharhinus obscurus
- Phyllobothrium gracile Wedl, 1855 - Squalus acanthias
- Phyllobothrium lactuca Van Beneden, 1850 - Carcharodon carcharias, Galeocerdo cuvieri, Hexachus griseus, Squalus acanthias, Triakis semifasciata
- Phyllobothrium magnum Hart, 1936 - Somniosus pacificus
- Phyllobothrium musteli (Van Beneden, 1850) - Carcharhinus leucas, Galeocerdo cuvieri
- Phyllobothrium prionacis Yamaguti, 1934 - Prionace glauca
- Phyllobothrium radioductum Kay, 1942 - Mustelus henlei, Raja binoculata, R. inornata, Raja rhina, Triakis semifasciata
- Phyllobothrium rotundum (Klapotocz, 1906) - Hexanchus griseus
- Phyllobothrium sinuosiceps Williams, 1959 - Hexanchus griseus
- Phyllobothrium squali Yamaguti, 1952 - Squalus acanthias
- Phyllobothrium thridax Van Beneden, 1849 - Squalus acanthias
- Phyllobothrium triacis Yamaguti, 1952 - Hexanchus griseus
- Phyllobothrium tumidum Linton, 1922 - Carcharodon carcharias, Isurus oxyrinchus, Lamna ditropis
- Pithoporus sp. - Mustelus henlei
- Pithophorus vulpeculae Yamaguti, 1952 - Alopias vulpinus
- Reesium paciferum (Sproston, 1948) Euzet, 1956 - Cetorhinus maximus
- Rhinebothrium flexile Linton, 1890 - Myliobatis californica, Scomber japonicus, Urolophis halleri
- Rhinebothrium palombi Baer, 1948 - Dasyatis violacea
- Rhinebothrium tumidulum Rudolphi, 1819 - Urolophis halleri
- Rhodobothrium pulvinatum Linton, 1889 - Squalus acanthias
- Scyphyllidium giganteum (Van Beneden, 1858) Woodland, 1927 - Galeorhinus zyopterus, Squalus acanthias

PROTEOCEPHALIDAE

- Gangesia parasiluri Yamaguti, 1934 - Oncorhynchus gorboscha, O. keta
- Proteocephalus sp. - Oncorhynchus kisutch, O. nerka, Salmo gairdneri
- Proteocephalus ambloplitis (Leidy, 1887) Benedict, 1900 - Oncorhynchus kisutch, Salmo clarki, S. gairdneri
- Proteocephalus arcticus Cooper, 1921 - Oncorhynchus kisutch, O. nerka, Salmo clarki
- Prosobothrium armigerum Cohn, 1902 - Squalus acanthias
- Proteocephalus exiguus La Rue, 1911 - Oncorhynchus keta, O. nerka, O. tschawytscha
- Proteocephalus filicollis (Rudolphi, 1802) Weinland, 1858 - Gasterosteus aculeatus
- Proteocephalus laruei Faust, 1919 - Oncorhynchus nerka, Salmo clarki
- Proteocephalus longicollis (Zeder, 1800) Nufer, 1905 - Gasterosteus aculeatus, Salmo gairdneri
- Proteocephalus percae (Muller, 1780) Kailliet, 1889 - Gasterosteus aculeatus

CESTODA (continued)

Proteocephalus pinguis La Rue, 1911 - Salmo gairdneri
Proteocephalus primaverus Neiland, 1952 - Salmo clarki
Proteocephalus pugetensis Hoff and Hoff, 1929 - Gasterosteus aculeatus
Proteocephalus salmonidicola Alexander, 1951 - Oncorhynchus kisutch,
Salmo clarki, S. gairdneri
Prosobothrium adherans (Linton, 1924) Riser, 1955 - Prionace glauca,
Sphyrna zygaena
Prosobothrium armigerum Cohn, 1902 - Prionace glauca
Prosobothrium japonicum Yamaguti, 1934 - Prionace glauca

PSEUDOPHYLLIDEA

Gen. and sp. - Ceratoscopelus townsendi, Clupea harengus, Diaphus theta, Hippoglossoides elassodon, Lampanyctus ritteri, Lepidopsetta bilineata, Microstomus pacificus, Reinhardtius hippoglossoides, Scomber japonicus, Stenobrachius leucopsarus, Symbolophorus californiensis, Theragra chalcogramma, Triphoturus mexicanus

PTEROBOTHRIIDAE

Pterobothrium heteracanthum Diesing, 1850 - Carcharhinus obscurus,
Galeocerdo cuvieri

PTYCHOBOTHRIIDAE

Clestobothrium crassiceps (Rudolphi, 1808) - Merluccius productus,
Squalus acanthias

SPATHEBOTHRIIDAE

Spathebothrium simplex Linton, 1922 - Liparis fucensis

SPHYRIOCEPHALIDAE

Sphyriocephalus sp. - Euprotomicrus bispinatus, Thunnus albacores
Sphyriocephalus dollfusi Bussieras and Aldrin, 1968 - Thunnus obesus
Sphyriocephalus pelorosoma Heinz and Dailey, 1974 - Alopias superciliosus
Sphyriocephalus tergestinus Pintner, 1913 - Alopias vulpinus, Isurus oxyrinchus, Thunnus alalunga
Sphyriocephalus viridis Wagener, 1854 - Alopias superciliosus

TENTACULARIIDAE

Grillotia musculara (Hart, 1936) Dollfus, 1942 - Raja rhina
Nybelinia sp. - Engraulis mordax, Lamna ditropis, Makaira nigricans
Notorhynchus maculatus, Oncorhynchus gorbusha, O. keta, O. kisutch,
O. nerka, O. tschawytscha, Scomber japonicus, Thunnus albacores
Nybelinia anthicosum Heinz and Dailey, 1974 - Heterodontus francisci,
Triakis semifasciata
Nybelinia bisulcata (Linton, 1889) Dollfus, 1929 - Caranx hippos,
Carcharhinus obscurus, Coryphaena hippurus, Galeocerdo cuvieri,
Remora remora, Sphyrna zygaena, Squalus acanthias, Xiphias gladius
Nybelinia lamonteeae Nigrelli, 1938 - Xiphias gladius
Nybelinia lingualis (Cuvier, 1817) Dollfus, 1929 - Isurus oxyrinchus,
Naucrates ductor, Oncorhynchus gorbusha, O. keta, Prionace glauca,
Xiphias gladius
Nybelinia palliata (Linton, 1924). Dollfus, 1929 - Lamna ditropis,
Sphyrna zygaena
Nybelinia pintneri Yamaguti, 1934 - Isurus oxyrinchus, Prionace glauca

CESTODA (continued)

Nybelinia robusta (Linton, 1890) Dollfus, 1930 - Carcharhinus obscurus

Echeneis naucrates, Isurus oxyrinchus, Remora remora

Nybelinia sphyrnae Yamaguti, 1952 - Sphyrna zygaena

Nybelinia surmenicola Okada, 1929 - Anoplopoma fimbria, Aprodon cortezianus, Atheresthes stomias, Eopsetta jordani, Gadus macrocephalus, Hippoglossoides elassodon, Hippoglossus stenolepis, Lepidopsetta bilineata, Lyopsetta exilis, Merluccius productus, Microstomus pacificus, Oncorhynchus gorbusha, O. keta, O. kisutch, O. tschawytscha, Ophiodon elongatus, Parophrys vetulus, Platichthys stellatus, Pleurogrammus monopterygius, Reinhardtius hippoglossoides, Scomber japonicus, Sebastes aleutianus, S. alutus, S. brevispinis, S. caurinus, S. crameri, S. diploproa, S. elongatus, S. entomelas, S. flavidus, S. nigrocinctus, S. pinniger, S. proriger, S. reedi, S. ruberrimus, S. zacentrus, Theragra chalcogramma

Nybelinia syngenes Pintner, 1928 - Sphyrna zygaena

Tentacularia sp. - Istiophorus platypterus, Makaira nigricans,

Ophiodon elongatus, Thunnus albacores

Tentacularia coryphaenae Bosc, 1802 - Alepisaurus ferox, Carcharhinus

longimanus, C. obscurus, Carcharodon carcharias, Coryphaena hippurus,

Echeneis naucrates, Euthynnus pelamis, Galeocerdo cuvieri, Oncorhynchus

tschawytscha, Prionace glauca, Scomber japonicus, Sphyrna zygaena,

Xiphias gladius

Tentacularia megalobothrida Hart, 1936 - Hexanchus griseus

TETRABOTHRIIDAE

Priapocephalus sp. - Cololabis saira

TETRAGONOCEPHALIDAE

Tetragonocephalum trygonis Shipley and Hornell, 1905 - Dasyatis violacea

TETRAPHYLLIDEA

Gen. and sp. - Ceratoscopelus townsendi, Diaphus theta, Lampanyctus ritteri, Lyopsetta exilis, Neoclinus blanchardi, Rhinobatis productus, Roncador stearnsi, Sardinops caeruleus, Stenobranchius leucopsarus, Sternoptyx diaphana, Stomias atriventer, Symbolophorus californiensis, Urolophis halleri

Yellow pigmented pleurocercoid - Atherinopsis californiensis

Red pigmented pleurocercoid - Alosa sapidissima, Cymatogaster

aggregata, Engraulis mordax, Glyptocephalus zachirus

Scolex sp. - Anoplopoma fimbria, Auxis thazard

Scolex pleuronectis (Müller, 1788) - Blepsias cirrhosus, Atheresthes

stomias, Clupea harengus, Cololabis saira, Gadus macrocephalus,

Hexagrammos lagocephalus, Hippoglossoides elassodon, Hippoglossus

stenolepis, Ilypnus gilberti, Lepidopsetta bilineata, Mugil cephalus,

Oncorhynchus gorbusha, O. keta, O. kisutch, O. nerka, O. tschawytscha,

Platichthys stellatus, Pleurogrammus monopterygius, Quietula y-cauda,

Reinhardtius hippoglossoides, Scomber japonicus, Theragra chalcogramma,

Thunnus albacores, Trachurus symmetricus

Scolex polymorphus Rudolphi, 1819 - Gasterosteus aculeatus, Mugil

cephalus, Oncorhynchus gorbusha, O. kisutch, O. nerka, O. tschawytscha,

Reinhardtius hippoglossoides, Remora remora, Trachurus symmetricus,

Xiphias gladius

CESTODA (continued)

TRIAENOPHORIDAE

- Ancistrocephalus microcephalus (Rudolphi, 1819) Monticelli, 1890 -
Mola mola
Eubothrioides lamellatum Yamaguti, 1952 - Zenopsis nebulosus
Fisticula plicatus (Rudolphi, 1819) Lühe, 1899 - Mola mola,
Xiphias gladius
Triaenophorus crassus Forel, 1868 - Gasterosteus aculeatus,
Oncorhynchus keta, O. nerka
Triaenophorus lucii (Müller, 1776) - Gasterosteus aculeatus, Salmo
gairdneri
Triaenophorus nodulosus Pallas, 1760 - Oncorhynchus nerka

TRILOCULARIIDAE

- Trilocularia acanthiaevulgaris (Olson, 1867) Olson, 1869 - Squalus
acanthias

TRYPANORHYNCHA

- Gen. and sp. - Anoplopoma fimbria, Auxis thazard, Makaira nigricans,
Merluccius productus, Paralichthys californicus, Scomber japonicus,
Sebastes levis, S. miniatus, S. paucispinis, Sphyrna argentea,
Thunnus albacores
Dibothriorhynchus maccallumi MacCallum, 1921 - Sphyrno tiburo
Dibothriorhynchus xiphae MacCallum, 1921 - Xiphias gladius
Rhynchobothrium sp. - Mola mola
Rhynchobothrius carangis MacCallum, 1921 - Caranx hippos
Rhynchobothrium exile Linton, 1909 - Galeocerdo cuvieri
Rhynchobothrium plicatum Linton, 1905 - Sphyrna tiburo
Rhynchobothrium tumidulum Linton, 1905 - Carcharhinus obscurus
Tentacularia macropora (Shiple and Hornell, 1906) Southwell, 1930 -
Galeocerdo cuvieri
Tetrarhynchus bicolor (Bartels, 1832) Wagener, 1854 - Carcharhinus
obscurus
Tetrarhynchus elongatus Wagener, 1901 - Mola mola
Tetrarhynchus papillosus Rudolphi, 1809. Yamaguti (1959b) - Coryphaena
hippurus
Tetrarhynchus tetrabothrium Van Beneden, 1842 - Squalus acanthias

COPEPODA

Intermediate stage - Ceratoscopelius townsendi

ANTHOSOMATIDAE

Anthosoma crassum (Abildgaard, 1794) Gould, 1841 - Carcharhinus
obscurus, Carcharodon carcharias, Cetorhinus maximus, Isurus
oxyrinchus, Lamna ditropis, Mola mola, Prionace glauca
Lernanthropus giganteus Krøyer, 1863 - Caranx hippos
Lernanthropus hiatus Pearse, 1951 - Thunnus alalunga
Lernanthropus mugilis Shishido, 1898 - Mugil cephalus
Lernanthropus shishidoi Shiino, 1955 - Mugil cephalus

ARGULIDAE

Argulus sp. - Mugil cephalus, Oncorhynchus tshawytscha
Argulus alosae Gould, 1841 - Clupea harengus, Gasterosteus
aculeatus
Argulus borealis Wilson, 1912 - Hippoglossoides elassodon,
Lepidopsetta bilineata, Sebastes caurinus
Argulus canadensis Wilson, 1916 - Alosa sapidissima, Gasterosteus
aculeatus
Argulus coregoni Thorell, 1864 - Oncorhynchus gorboscha, O. keta
Argulus foliaceus (Linnaeus, 1758) - Gasterosteus aculeatus
Argulus melanostictus Wilson, 1935 - Leuresthes tenuis
Argulus pugettensis Dana, 1852 - Cymatogaster aggregata, Embiotoca
lateralis, Hyperprosopon argenteum, Oncorhynchus kisutch, Phanerodon
furcatus, Salmo gairdneri, Sebastes caurinus
Argulus scuriformis Thiele, 1900 - Mola mola
Argulus varians Bere, 1936 - Echeneis naucrates

COPEPUDA (continued)

BOMOLOCHIDAE

- Bomolochus concinnus Wilson, 1911 - Mugil cephalus
Bomolochus constrictus (Cressey in Cressey and Collette, 1970) -
Atherinops affinis
Bomolochus cuneatus Fraser, 1920 - Clupea harengus, Cymatogaster
aggregata, Damalichthys vacca, Gasterosteus aculeatus, Leuresthes
tenuis, Oncorhynchus gorboscha
Bomolochus decapteri Yamaguti, 1936 - Cololabis saira
Bomolochus exilipes Wilson, 1911 - Mugil cephalus
Bomolochus solae Claus, 1864 - Menticirrhus undulatus, Paralabrax
clathratus, P. nebulifer, Paralichthys californicus, Sphyrna
argentea
Bomolochus teres Wilson, 1911 - Mugil cephalus
Holobomolochus ardeole (Krøyer, 1864) Vervoort, 1969 - Hypsypops
rubicunda
Holobomolochus attenuatus (Wilson, 1913) Vervoort, 1969 - Genyonemus
lineatus, Roncador stearnsi, Scorpaena guttata, Sphoeroides annulatus
Holobomolochus longicaudus (Cressey, 1969) Kabata, 1971 - Paralabrax
clathratus, P. nebulifer
Holobomolochus occultus Kabata, 1971 - Hippoglossoides elassodon,
Lyopsetta exilis
Holobomolochus prolixus (Cressey, 1969) Kabata 1971 - Paralichthys
californicus, Pleuronichthys coenosus
Holobomolochus spinulus (Cressey, 1969) Kabata 1971 - Leptocottus
armatus, Oligocottus maculosus, Oxylebius pictus, Scorpaena guttata,
Sebastes mystinus, S. serranoides
Holobomolochus venustus Kabata, 1971 - Scorpaenichthys marmoratus,
Sebastes caurinus, S. elongatus, S. maliger, S. pinniger, S. ruberrimus
Parabomolochus mycterobius Vervoort, 1965 - Auxis thazard
Taeniacanthus albidus Wilson, 1911 - Sphyrna tiburo
Taeniacanthus flagellans Wilson, 1913 - Sphyrna zygaena
Taeniacanthodes haakeri Ho, 1972 - Paralichthys californicus
Taeniastrotos californiensis Cressey, 1969 - Paralabrax nebulifer

CALIGIDAE

- Anuretes hecklii (Kollar in Krøyer, 1863) Heller, 1865 - Caranx hippos
Anuretes quadrilaterus Shiino, 1954 - Zenopsis nebulosus
Caligus sp. - Hydrolagus colliei, Oncorhynchus tschawytscha
Caligus alalongae Krøyer, 1863 - Thunnus alalunga
Caligus asymmetricus Kabata, 1965 - Euthynnus affinis
Caligus auxisi Pillai, 1963 - Auxis thazard

COPEPODA (continued)

CALIGIDAE (continued)

- Caligus bonito Wilson, 1905 - Engraulis mordax, Euthynnus pelamis,
Mugil cephalus, Oligoplites saurus, Sarda chiliensis, Thunnus
thunnus
- Caligus chelifer Wilson, 1905 - Xiphias gladius
- Caligus chorinemi Kollar in Krøyer, 1863 - Seriola dorsalis
- Caligus clemensi Parker and Margolis, 1964 - Clupea harengus,
Gasterosteus aculeatus, Hexagrammos sp., Oncorhynchus gorboscha, O.
keta, O. kisutch, Salmo gairdneri, Sebastes sp., S. caurinus,
Theragra chalcogramma
- Caligus communis Shen, 1957 - Mugil cephalus
- Caligus confusus Pillai, 1961 - Caranx hippos, Coryphaena hippurus
- Caligus constrictus Heller, 1865 - Caranx hippos, Coryphaena hippurus
- Caligus coryphaenae Steenstrup and Lutken, 1861 - Caranx hippos,
Coryphaena hippurus, Euthynnus lineatus, E. pelamis, Isurus
oxyrinchus, Polydactylus opercularis, Seriola dorsalis, Squalus
acanthias, Thunnus albacores, T. obesus, T. thunnus
- Caligus curtus Muller, 1785 - Mugil cephalus, Squalus acanthias
- Caligus diaphanus Nordmann, 1832 - Caranx hippos
- Caligus elongatus Nordmann, 1832 - Atopias vulpinus, Alosa sapidissima,
Caranx hippos, Clupea harengus, Mola mola, Remora remora, Squalus
acanthias, Xiphias gladius
- Caligus epidemicus Hewitt, 1971 - Mugil cephalus
- Caligus germoi Pearse, 1951 - Thunnus alalunga
- Caligus glandifer Shiino, 1954 - Zenopsis nebulosus
- Caligus gurnardi Krøyer, 1863 - Squalus acanthias
- Caligus hobsoni Cressey, 1969 - Chromis punctipinnis, Damalichthys vacca,
Girella nigricans, Hypsypops rubicunda, Medialuna californiensis,
Oxyjulis californica, Phanerodon atripes, Pimelometopon pulchrum,
Rhacochilus toxotes, Scorpaenichthys marmoratus, Sebastes atrovirens,
S. carnatus, S. mystinus, S. serranoides
- Caligus klawei Shiino, 1959 - Engraulis mordax
- Caligus krishnai (Pillai, 1963) Thomas, 1967 - Euthynnus affinis
- Caligus kuroshio Shiino, 1959 - Euthynnus pelamis
- Caligus lacustris Steenstrup and Lutken, 1861 - Gasterosteus aculeatus
- Caligus latifrons Wilson, 1905 - Sphoeroides annulatus
- Caligus macarovi Gussev, 1951 - Cololabis saira, Euthynnus lineatus
- Caligus minimus var. mugilis Brian, 1934 - Mugil cephalus
- Caligus mutabilis Wilson, 1905 - Calamus brachysomus, Euthynnus pelamis
Menticirrhus undulatus, Mugil cephalus, Paralabrax clathratus, P.
maculofasciatus, P. nebulifer, Sarda chiliensis, Scomberomorus
sierra
- Caligus olsoni Pearse, 1953 - Leuresthes tenuis
- Caligus orientalis Gussev, 1951 - Mugil cephalus
- Caligus pectinatus Shiino, 1965 - Eopsetta jordani
- Caligus pelamydis Krøyer, 1863 - Euthynnus pelamis, Scomber japonicus,
Trachurus symmetricus
- Caligus platytarsis Bassett-Smith, 1898 - Mugil cephalus
- Caligus praetextus Bere, 1936 - Caranx hippos, Echeneis naucrates,
Sphyrna tiburo
- Caligus productus Dana, 1853 - Auxis thazard, Balistes polylepis,
Calamus brachysomus, Coryphaena hippurus, Euthynnus affinis, E.
pelamis, Naucrates ductor, Paralabrax clathratus, P. maculofasciatus,
Scomberomorus sierra, Seriola dorsalis, Sphyrna argentea, Thunnus
alalunga, T. albacores, T. obesus, T. thunnus

CALIGIDAE (continued)

- Caligus punctatus Shiino, 1955 - Acanthogobius flavimanus
Caligus quadratus Shiino, 1954 - Coryphaena hippurus, Euthynnus pelamis, Istiophorus platypterus, Thunnus albacores
Caligus rectus Pearse, 1952 - Caranx hippos
Caligus robustus Bassett-Smith, 1898 - Caranx hippos
Caligus rufimaculatus Wilson, 1905 - Mugil cephalus
Caligus serratus Shiino, 1965 - Atherinops affinis, Atherinopsis californiensis, Oxyjulis californica
Caligus spinosurculus Pearse, 1951 - Caranx hippos
Caligus tenax Heller, 1865 - Caranx hippos
Caligus tenuicaudatus Shiino, 1959 - Seriola dorsalis
Caligus tenuifurcatus Wilson, 1937 - Nematistius pectoralis
Caligus tessifer Shiino, 1952 - Euthynnus pelamis
Caligus thynni Dana, 1852 - Xiphias gladius
Caligodes laciniatus (Krøyer, 1863) Heller, 1865 - Sphyraena argentea
Dentigryps bermudensis (Heegaard, 1943) Yamaguti, 1963 - Euthynnus pelamis
Dentigryps longicauda Cressey, 1966 - Caranx hippos
Heniochophilus branchialis (Rangnekar, 1953) Pillai and Mohan, 1965 - Euthynnus pelamis
Lepeophtheirus sp. - Ammodytes hexapterus, Damalichthys vacca, Hypsypops rubicunda, Medialuna californiensis, Oxyjulis californica, Psettichthys melanostictus
Lepeophtheirus appendiculatus Krøyer, 1863 - Hippoglossus stenolepis
Lepeophtheirus bifidus Fraser, 1920 - Lepidopsetta bilineata, Paralichthys californicus, Parophrys vetulus
Lepeophtheirus bifurcatus Wilson, 1905 - Psettichthys melanostictus
Lepeophtheirus brachyurus Heller, 1865 - Scorpaena guttata
Lepeophtheirus breviventris Fraser, 1920 - Ophiodon elongatus
Lepeophtheirus constrictus Wilson, 1908 - Paralabrax maculofasciatus
Lepeophtheirus crassus (Wilson and Bere, 1936) Shiino, 1960 - Remilegia australis, Remora remora
Lepeophtheirus cuneifer Kabata, 1974 - Gadus macrocephalus, Hexagrammos lagocephalus, Hippoglossus stenolepis, Isopsetta isolepis, Leptocottus armatus, Lumpenus sagitta, Micogadus proximus, Raja binoculata, Squalus acanthias (questionable host), Theragra chalcogramma (questionable host)
Lepeophtheirus dissumulatus Wilson, 1905 - Euthynnus pelamis, Gadus macrocephalus, Hypsopsetta guttulata, Merluccius productus, Mycteroperca xenarcha, Paralabrax nebulifer, Paralichthys californicus, Sphoeroides annulatus, Sphyraena argentea
Lepeophtheirus edwardsi Wilson, 1905 - Caranx hippos
Lepeophtheirus eminens Wilson, 1944 - Makaira nigricans
Lepeophtheirus goniistii Yamaguti, 1936 - Zenopsis nebulosus
Lepeophtheirus hastatus Shiino, 1960 - Mola mola
Lepeophtheirus hexagrammi Gussev, 1951 - Hexagrammos lagocephalus
Lepeophtheirus hospitalis Fraser, 1920 - Gadus macrocephalus, Lepidopsetta bilineata, Mugil cephalus, Parophrys vetulus, Platichthys stellatus, Pleuronichthys coenosus
Lepeophtheirus tongiabdominalis Shiino, 1960 - Cynoscion nobilis
Lepeophtheirus longipes Wilson, 1905 - Echeneis naucrates, Paralabrax clathratus, Sebastes serriceps, Steriolepis gigas

CALIGIDAE (continued)

- Lepeophtheirus longispinosus Wilson, 1908 - Sphyrna zygaena
Lepeophtheirus nordmanni (Edwards, 1840) Baird, 1850 - Mola mola
Lepeophtheirus oblitus Kabata, 1973 - Hexagrammos decagrammus,
Sebastes caurinus, S. helvomaculatus, S. maliger
Lepeophtheirus pacificus Gissler, 1883 - Oncorhynchus nerka
Lepeophtheirus parvicurris Fraser, 1920 - Platichthys stellatus
Lepeophtheirus parviventris Wilson, 1905 - Anoplopoma fimbria,
Enophrys bison, Eopsetta jordani, Gadus macrocephalus, Halichoeres
semicinctus, Heterostichus rostratus, Hexagrammos decagrammus,
Hippoglossus stenolepis, Lepidopsetta bilineata, Platichthys
stellatus, Pleurogrammus monoptyerygius, Raja binoculata, R. rhina,
Scorpaenichthys marmoratus, S. pinniger, S. rubrivinctus, Urolophis
halleri, Theragra chalcogramma, Xiphister atropurpureus
Lepeophtheirus parvus Wilson, 1908 - Pimelometopon pulchrum
Lepeophtheirus paulus Cressey, 1969 - Sebastes diploproa, S. flavidus,
S. maliger, S. nigrocinctus, S. ruberrimus, S. serriceps
Lepeophtherius pollachius Bassett-Smith, 1896 - Clupea harengus
Lepeophtheirus pravipes Wilson, 1912 - Hippoglossus stenolepis,
Ophiodon elongatus, Raja binoculata, Scorpaena guttata
Lepeophtheirus salmonis (Krøyer, 1838) - Acipenser transmontanus,
Ammodytes hexapterus, Oncorhynchus gorbuscha, O. keta, O. kisutch,
O. nerka, O. tschawytscha, Ophiodon elongatus, Salmo gairdneri,
Sebastes rubrivinctus
Lepeophtheirus thompsoni Baird, 1950 - Cynoscion nobilis
Pseudolepeophtheirus longicauda Markevich, 1940 - Platichthys stellatus
Pupulina brevicauda Wilson, 1952 - Mobula lucansana
Pupulina minor Wilson, 1952 - Mobula lucansana
Sciaenophilus bennetti (Causey, 1953) Yamaguti, 1963 - Paralabrax
maculofasciatus
Tuxophorus caligodes Wilson, 1908 - Echeneis naucrates

CECROPIDAE

- Cecrops exiguus Wilson, 1923 - Mola mola
Cecrops latreilli Leach, 1816 - Mola mola
Lutkenia elongta Shiino, 1963 - Luvarus imperialis
Orthagoriscola muricatus (Krøyer, 1837) Poche, 1902 - Mola mola
Orthagoriscola? wilsoni Stekhoven and Stekhoven, 1956 - Mola mola
Philorthagoriscus serratus (Krøyer, 1863) Horst, 1897 - Mola mola,
Squalus acanthias

CHONDRACANTHIDAE

- Acanthochondria sp. - Merluccius productus, Paralichthys californicus
Acanthochondria cornuta (Muller, 1777) Oakley, 1927 - Hippoglossus
stenolepis, Maynea californica
Acanthochondria epachthes (Wilson, 1908) Oakley, 1930 - Hydrolagus
colliei
Acanthochondria fraseri Ho, 1972 - Pleuronichthys coenosus
Acanthochondria holocephalarum (Bassett-Smith, 1896) Kabata 1968 -
Hydrolagus colliei

COPEPODA (continued)

CHONDRACANTHIDAE (continued)

- Acanthochondria rectangularis (Fraser, 1920) Markevich, 1957 -
Hydrolagus colliei, Leptocottus armatus, Parophrys vetulus,
Platichthys stellatus, Pleuronichthys coenosus, Psettichthys
melanostictus
- Acanthochondria solida Gussev, 1951 - Hexagrammos lagocephalus
- Acanthochondria yui Shiino, 1964 - Acanthogobius flavimanus
- Blias prionoti Krøyer, 1863 - Hemianthias peruanus
- Chondracanthodes rickettsi Wilson, 1935 - Coryphaenoides armatus
- Chondracanthus sp. - Hemilepidotus hemilepidotus, Sebastes alutus,
S. melanops
- Chondracanthodes deflexus Wilson, 1932 - Coryphaenoides armatus
- Chondracanthus deltoides Fraser, 1920 - Hexagrammos decagrammus,
Sebastes melanops
- Chondracanthus distortus Wilson, 1922 - Zenopsis nebulosus
- Chondracanthus gracilis Fraser, 1920 - Hexagrammos decagrammus,
Scorpaenichthys marmoratus, Scorpaena guttata
- Chondracanthus heterostichi Ho, 1972 - Heterostichus rostratus
- Chondracanthus horridus Heller, 1865 - Heterostichus rostratus
- Chondracanthus irregularis Fraser, 1920 - Enophrys bison
- Chondracanthus narium Kabata, 1969 - Ophiodon elongatus
- Chondracanthus palpifera Wilson, 1912 - Gadus macrocephalus,
Merluccius productus
- Chondracanthus pinguis Wilson, 1912 - Hexagrammos decagrammus,
Scorpaenichthys marmoratus, Sebastes aleutianus, S. alutus,
S. auriculatus, S. babcocki, S. brevispinis, S. caurinus, S.
crameri, S. diploproa, S. entomelas, S. flavidus, S. maliger,
S. melanops, S. pinniger, S. proriger, S. reedi, S. ruberrimus,
S. zacentrus, Xiphister atropurpureus
- Chondracanthus pusillus Kabata, 1968 - Apodichthys flavidus
- Chondracanthus theragrae Yamaguti, 1939 - Theragra chalcogramma
- Chondracanthus triventricosus Sekerak, 1970 - Sebastes aleutianus,
S. alutus, S. babcocki, S. brevispinis, S. caurinus, S. crameri,
S. diploproa, S. flavidus, S. helvomaculatus, S. maliger, S.
proriger, S. reedi, S. ruberrimus
- Heterochondria atypica Ho, 1972 - Oxyjulis californica, Oxyleblus pictus
- Lateracanthus quadripedis Kabata and Gusev, 1966 - Coryphaenoides
acrolépis
- Pseudochondracanthus diceraus Wilson, 1908 - Sphoeroides sp.
- Pseudodoiocus scorpaenus Ho, 1972 - Scorpaena guttata

DICHELESTIIDAE

- Eudactylinoides uncinata (Wilson, 1908) Wilson, 1932 - Galeorhinus
zyopterus
- Hatschekia albirubra Wilson, 1913 - Menticirrhus undulatus,
Paralabrax clathratus
- Hatschekia oblonga Wilson, 1913 - Caranx hippos
- Hatschekia pinguis Wilson, 1908 - Gymnothorax mordax
- Pseudocycnus appendiculatus Heller, 1865 - Euthynnus affinis

COPEPODA (continued)

DISSONIDAE

Dissonus ruveti Nunes-Ruivo and Fourmanoir, 1956 - Ruvettus pretiosus

ERGASILIDAE

Ergasilus sp. - Atherinops affinis, Fundulus parvipinnis, Leptocottus armatus, Mugil cephalus
Ergasilus amplexans Dogiel and Akhmerov, 1952 - Mugil cephalus
Ergasilus auritus Markevich, 1940 - Gasterosteus aculeatus,
Gillichthys mirabilis, Oncorhynchus nerka
Ergasilus briani Markevich, 1934 - Oncorhynchus gorbuscha, O. keta
Ergasilus clupearum Johnson and Rogers, 1972 - Dorosoma petenense
Ergasilus cyanopictus de Paiva Carvalho, 1962 - Mugil cephalus
Ergasilus fryeri Paperna, 1964 - Mugil cephalus
Ergasilus globosus Krøyer, 1838-40 - Gasterosteus aculeatus
Ergasilus labracis Krøyer, 1863 - Roccus saxatilis
Ergasilus manicatus Wilson, 1911 - Gasterosteus aculeatus
Ergasilus lizae Krøyer, 1863 - Mugil cephalus
Ergasilus mugilis Vogt, 1877 - Mugil cephalus
Ergasilus myctarothus Wilson, 1913 - Sphyrna zygaena
Ergasilus nanus Van Beneden, 1870 - Mugil cephalus
Ergasilus nerkae Roberts, 1963 - Oncorhynchus nerka, Salmo gairdneri
Ergasilus orientalis Yamaguti, 1939 - Acanthogobius flavimanus
Ergasilus sieboldi Nordmann, 1832 - Gasterosteus aculeatus, Salmo gairdneri
Ergasilus turgidus Fraser, 1920 - Chitonotus pugetensis, Cymatogaster aggregata, Gasterosteus aculeatus, Oncorhynchus nerka
Ergasilus wilsoni Markevich, 1933 - Oncorhynchus gorbuscha
Nipergasilus bora (Yamaguti, 1939) Yin, 1956 - Mugil cephalus
Thersitina biuncinata (Gadd, 1901) - Gasterosteus aculeatus
Thersitina gasterostei Pagenstecher, 1861 - Gasterosteus aculeatus

EUDACTYLINIDAE

Bariaka alopiae Cressey, 1966 - Alopias superciliosus
Eudactylina acanthii Scott, 1901 - Squalus acanthias
Eudactylina acuta Van Beneden, 1853 - Squalus acanthias
Eudactylina pusilla Cressey, 1967 - Galeocerdo cuvieri
Eudactylina spinifera Wilson, 1932 - Carcharhinus obscurus
Eudactylina valei Nunes-Ruivo, 1956 - Squalus acanthias
Eudactylinia longispina Bere, 1936 - Sphyrna tiburo
Eudactylinoides nigra (Wilson, 1908) Wilson, 1932 - Sphyrna tiburo
Krøyeria aculeata (Gerstaecker, 1854) - Prionace glauca
Krøyeria dispar Wilson, 1935 - Galeocerdo cuvieri
Krøyeria echinata Rangnekar, 1932 - Sphyrna zygaena
Krøyeria gracilis Wilson, 1932 - Carcharhinus leucas, C. longimanus,
C. obscurus, Prionace glauca, Sphyrna zygaena
Krøyeria lineata Van Beneden, 1853 - Sphyrna zygaena
Krøyeria papillipes Wilson, 1932 - Galeocerdo cuvieri, Sphyrna zygaena

COPEPODA (continued)

EUDACTYLINIDAE (continued)

- Krøyeria praelongacicula Lewis, 1966 - Sphyrna lewini
Krøyeria sphyrnae Rangnekar, 1957 - Sphyrna zygaena
Krøyeria trecai Delamare-Deboutteville and Nunes-Ruivo, 1958 -
Sphyrna zygaena
Krøyeria elongata Wilson, 1932 - Galeocerdo cuvieri, Prionace glauca
Nemesis aggregatus Cressey, 1967 - Alopias vulpinus
Nemesis atlantica Wilson, 1922 - Alopias vulpinus, Carcharhinus
leucas, C. obscurus
Nemesis carchariaeglauci (Hesse, 1888) Wilson, 1922 - Prionace
glauca, Triakis semifasciata
Nemesis mediterranea Heller, 1865 - Alopias vulpinus
Nemesis lamna Risso, 1826 - Carcharodon carcharias, Cetorhinus
maximus, Isurus oxyrinchus, Lamna ditropis, Odontaspis ferox,
Prionace glauca
Nemesis pallida Wilson, 1932 - Alopias vulpinus, Carcharhinus
obscurus, Carcharodon carcharias, Galeocerdo cuvieri, Sphyrna
tiburo,
Nemesis robusta (Van Beneden, 1851) Brian, 1906 - Alopias vulpinus,
Carcharhinus leuca, Prionace glauca
Nemesis spinulosus Cressey, 1970 - Carcharhinus obscurus

Nemesis versicolor Wilson, 1913 - Sphyrna zygaena
Protodactylina pamela Laubier, 1966 - Hexanchus griseus

EURYPHORIDAE

- Alebiion carchariae Krøyer, 1863 - Carcharhinus leucas, C. obscurus,
Galeocerdo cuvieri
Alebiion crassus Wilson, 1932 - Sphyrna zygaena
Alebiion echinatus Capart, 1953 - Sphyrna argentea, Sphyrna
zygaena
Alebiion fuscus Wilson, 1921 - Carcharhinus obscurus
Alebiion glaber Wilson, 1907 - Squalus acanthias
Alebiion gracilis Wilson, 1905 - Carcharhinus leucas, C. longimanus,
C. obscurus, Galeocerdo cuvieri, Squalus acanthias
Elytrophora atlantica Wilson, 1932 - Thunnus thunnus
Elytrophora brachyptura Gerstaecker, 1853 - Isurus oxyrinchus, Thunnus
alalunga, T. albacores, T. obesus, T. thunnus
Elytrophora coryphaena Pearse, 1952 - Coryphaena hippurus
Elytrophora indica Shiino, 1958 - Thunnus obesus
Euryphorus coryphaenae Krøyer, 1863 - Coryphaena hippurus
Euryphorus nordmanni Edwards, 1840 - Coryphaena hippurus, Thunnus
alalunga, T. albacores
Gloiopotes americanus Cressey, 1967 - Istiophorus platypterus
Gloiopotes huttoni (Thompson, 1890) Bassett-Smith, 1899 - Istiophorus
platypterus, Makaira indica, M. nigricans, Tetrapturus audax,
Thunnus obesus, Xiphias gladius
Gloiopotes ornatus Wilson, 1905 - Makaira nigricans, Tetrapturus
audax, Xiphias gladius

COPEPODA (continued)

EURYPHORIDAE (continued)

Gloiopotes watsoni Kirtisinghe, 1934 - Istiophorus platypterus,
Makaira nigricans, Tetrapturus audax, Xiphias gladius
Paralebion elongatus Wilson, 1911 - Carcharhinus leucas, C.
obscurus

LERNAEIDAE

Intermediate Stage - Diaphus theta
Cardiodectes medusaeus (Wilson, 1908) Yamaguti, 1963 - Diaphus
theta, Lampanyctus ritteri, Leuroglossus stilbius, Lycodapus
mandibularis, Stenobranchius leucopsarus
Lernaea cyprinacea Linnaeus, 1758 - Oncorhynchus tschawytscha,
Salmo gairdneri
Lernaea esocina Burmeister, 1833 - Gasterosteus aculeatus, Salmo
gairdneri
Lernaeenicus gracilis Heller, 1865 - Mugil cephalus
Lernaeenicus inflexus Steenstrup and Lutken, 1861 - Scomber japonicus
Lernaeenicus longiventris Wilson, 1917 - Caranx hippos, Coryphaena
hippurus, Mugil cephalus, Seriola dorsalis
Lernaeenicus neglectus Richiardi, 1877 - Mugil cephalus
Lernaeenicus sprattae (Sowerby, 1806) - Clupea harengus
Lerneocera branchialis (Linnaeus, 1767) - Scomber japonicus
Opimia exilis Wilson, 1908 - Galeorhinus zyopterus
Peniculus sp. - Sebastes alutus, S. babcocki, S. brevispinis, S.
crameri, S. proriger, S. reedi
Peniculus fissipes Wilson, 1917 - Atherinops affinis, Girella
nigricans, Hypsurus caryi, Hypsypops rubicunda, Medialuna
californiensis, Paralabrax nebulifer, Phanerodon furcatus
Phrioxcephalus cincinnatus Wilson, 1908 - Citharichthys sordidus

LERNAEOCERIDAE

Haemobaphes sp. - Agonus acipenserinus, Ammodytes hexapterus,
Blepsias cirrhosus, Hexagrammos decagrammus, Lepidopsetta
bilineata, Merluccius productus, Oligocottus maculosus,
Sebastes alutus, Syngnathus leptorhynchus
Haemobaphes diceraus Wilson, 1917 - Cymatogaster aggregata
Haemobaphes enodis Wilson, 1917 - Lycodapus fierasfer
Haemobaphes intermedius Kabata, 1967 - Artedius harringtoni,
Oligocottus maculosus
Haemobaphes theragrae Yamaguti, 1939 - Sebastes alutus, S. zacentrus,
Theragra chalcogramma
Phrioxcephalus cincinnatus Wilson, 1908 - Atheresthes stomias

LERNAEOPODIDAE

Gen and sp. - Oncorhynchus gorbuscha

LERNAEOPODIDAE (continued)

- Achteres lacae Krøyer, 1863 - Roccus saxatilis
Allela longimana Bere, 1936 - Mugil cephalus
Brachiella annulata Markevich, 1940 - Coryphaenoides acrolepis
Brachiella coryphaenae Pearse, 1952 - Coryphaena hippurus
Brachiella gracilis Wilson, 1908 - Caulolatilus princeps, Brachiella gracilis, Genyonemus lineatus
Brachiella gulosa Wilson, 1915 - Roncador stearnsi
Brachiella oblonga Valle, 1880 - Mugil cephalus
Brachiella lageniformis Szidat, 1955 - Merluccius productus
Brachiella nitida Wilson, 1915 - Citharichthys sordidus, Coryphaenoides pectoralis
Brachiella regius Lewis, 1967 - Lampris regius
Brachiella robusta (Wilson, 1912) Kabata, 1970 - Sebastes aleutianus, S. alutus, S. auriculatus, S. aurora, S. babcocki, S. brevispinis, S. caurinus, S. crameri, S. diploproa, S. entomelas, S. flavidus, S. maliger, S. melanops, S. pinniger, S. proriger, S. reedi, S. ruberrimus, S. rubrivinctus, S. zacentrus
Brachiella sciaenophila Heller, 1865 - Roncador stearnsi
Brachiella thynni Cuvier, 1829 - Thunnus alalunga, T. albacores, T. obesus, T. thunnus
Charopinopsis quaternis (Wilson, 1935) Yamaguti, 1963 - Coryphaena hippurus
Clavella sp. - Damalichthys vacca
Clavella adunca (Strøm, 1762) - Gadus macrocephalus, Microgadus proximus, Theragra chalcogramma
Clavella canaliculata Wilson, 1915 - Microgadus proximus
Clavella inversa Wilson, 1913 - Mugil cephalus
- Clavella parva Wilson, 1912 - Artemius harringtoni, Chitonotus pugetensis, Embiotoca lateralis, Phanerodon furcatus, Sebastes aleutianus, S. alutus, S. auriculatus, S. babcocki, S. caurinus, S. diploproa, S. elongatus, S. flavidus, S. maliger, S. melanops, S. pinniger
Clavella pereida Wilson, 1915 - Theragra chalcogramma
Clavella uncinata (Muller, 1776) Oken, 1815 - Gadus macrocephalus, Theragra chalcogramma
Clavella scombri (Kurz, 1877) Wilson, 1915 - Scomber japonicus
Clavellistes shoyoae Shiino, 1963 - Lampris regius
Clavellopsis sp. - Leuresthes tenuis, Sebastes alutus
Clavellopsis flexicurvica Shiino, 1956 - Chromis punctipinnis
Clavellopsis longimana Bere, 1936 - Mugil cephalus
Clavellopsis saba Yamaguti, 1939 - Scomber japonicus
Dendrata comeroni longiclavata Kabata and Gussev, 1966 - Raja inornata
Lernaeopoda bidiscalis Kane, 1892 - Mola mola, Mustelus californicus
Lernaeopoda galei Krøyer, 1837 - Squalus acanthias
Lernaeopoda scylicola Leigh-Sharpe, 1916 - Raja binoculata, Triakis semifasciata
Lernaeopodina pacifica Kabata and Gusev, 1966 - Raja rhina
Nectobrachia sp. - Platichthys stellatus

COPEPODA (continued)

LERNAEOPODIDAE (continued)

- Nectobranchia indivisa Fraser, 1920 - Lepidopsetta bilineata,
Platichthys stellatus
Parabrachiella sp. - Merluccius productus
Pseudocharopinus bicaudatus (Krøyer, 1837) Kabata, 1964 - Mustelus
californicus, Squalus acanthias
Pseudocharopinus dentatus (Wilson, 1912) Kabata, 1964 - Raja
binoculata, R. rhina
Salmincola californiensis (Dana, 1853) Kabata, 1969 - Oncorhynchus
gorbuscha, O. keta, O. kisutch, O. nerka, O. tschawytscha,
Salmo gairdneri
Salmincola edwardsii (Olsson, 1869) Wilson, 1915 - Oncorhynchus
nerka, Salmo clarki, S. gairdneri
Salmincola salmoneus (Linneus) - Oncorhynchus keta
Schistobranchia tertia Kabata, 1970 - Raja binoculata, R. rhina
Thysanote ramosa (Richiardi, 1880) Yamaguti, 1963 - Xiphias gladius

NAOBRANCHIIDAE

- Naobranchia lizae (Krøyer, 1864) - Mugil cephalus
Naobranchia occidentalis Wilson, 1915 - Anoplopoma fimbria, Gadus
macrocephalus, Hippoglossoides elassodon, Lepidopsetta bilineata,
Parophrys vetulus, Platichthys stellatus, Sebastes aleutianus,
S. alutus, S. caurinus, S. diploproa, S. maliger, S. miniatus, S.
nigrocinctus, S. paucispinis, S. pinniger, S. proriger
Naobranchia wilsoni Nigrelli, 1933 - Diodon hystrix

PANDARIDAE

- Demoleus hepatus (Otto, 1821) Heller, 1865 - Hexanchus griseus,
Squalus acanthias
Demoleus latus Shiino, 1954 - Squalus acanthias
Dinemoura affinis Thomsen, 1949 - Lamna ditropis
Dinemoura latifolis Steenstrup and Lutken, 1961 - Alopias vulpinus,
Carcharodon carcharias, Isurus oxyrinchus, Lamna ditropis,
Prionace glauca
Dinemoura producta (Muller, 1785) Latreille, 1829 - Alopias
vulpinus, Carcharodon carcharias, Cetorhinus maximus, Isurus
oxyrinchus, Prionace glauca
Dinemoura discrepans Cressey, 1967 - Alopias superciliosus, A.
vulpinus
Echthrogaleus coleoptratus (Guerin, 1817) Wilson, 1907 - Isurus
oxyrinchus, Lamna ditropis, Mola mola, Squalus acanthias, Triakis
semifasciata
Echthrogaleus denticulatus Smith, 1874 - Alopias vulpinus, Carchar-
odon carcharias, Isurus oxyrinchus, Sphyrna zygaena
Gangliopus japonicus Shiino, 1960 - Sphyrna zygaena
Gangliopus pyriformes Gerstaecker, 1854 - Alopias vulpinus, Isurus
oxyrinchus, Prionace glauca
Nesippus alatus Wilson, 1907 - Alopias sp., Carcharhinus obscurus,
Carcharodon carcharias, Sphyrna tiburo, S. zygaena
Nesippus borealis (Steenstrup and Lutken, 1861) Wilson, 1907 -
Isurus oxyrinchus

COPEPODA (continued)

PANDARIDAE (continued)

- Nesippus crypturus Heller, 1865 - Carcharodon carcharias, Carcharhinus leucas, Carcharhinus longimanus, Galeocerdo cuvieri, Sphyrna zygaena
- Nesippus gracilis Wilson, 1935 - Carcharhinus obscurus
- Nesippus orientalis Heller, 1865 - Carcharhinus leucas, C. obscurus, Carcharodon carcharias, Galeocerdo cuvieri Sphyrna zygaena
- Nesippus trigis Cressey, 1965 - Galeocerdo cuvieri
- Nogagus ambiguus Scott, 1907 - Squalus acanthias
- Pagina tunica Cressey, 1964 - Alopias superciliosus
- Pandarus affinis Van Beneden, 1892 - Carcharhinus obscurus
- Pandarus bicolor Leach, 1816 - Galeorhinus zyopterus, Isurus oxyrinchus, Mola mola, Mustelus henlei, Notorhynchus maculatus, Prionace glauca, Squalus acanthias, Triakis semifasciata
- Pandarus carcharini Ho, 1960 - Carcharhinus leucas
- Pandarus cranchii Leach, 1819 - Alopias vulpinus, Carcharhinus leucas, C. longimanus, C. obscurus, Carcharodon carcharias, Galeocerdo cuvieri, Galeorhinus zyopterus, Sphyrna lewini, Sphyrna zygaena, Triakis semifasciata
- Pandarus floridanus Cressey, 1967 - Carcharodon carcharias
- Pandarus katoi Cressey, 1967 - Isurus oxyrinchus
- Pandarus satyrus Dana, 1852 - Carcharhinus obscurus, Isurus oxyrinchus, Sphyrna zygaena
- Pandarus sinuatus Say, 1817 - Caranx hippos, Carcharhinus leucas, C. obscurus, Carcharodon carcharias, Sphyrna tiburo
- Pandarus smithii Rathbun, 1886 - Alopias vulpinus, Carcharhinus leucas, C. obscurus, Carcharodon carcharias, Isurus oxyrinchus, Sphyrna zygaena
- Pandarus spinaciiacanthias Hesse, 1883 - Squalus acanthias
- Parapanarus nodosus Wilson, 1924 - Prionace glauca, Sphyrna zygaena
- Perissopus communis Rathbun, 1887 - Carcharhinus obscurus, Sphyrna tiburo
- Perissopus dentatus Steenstrup and Lutken, 1861 - Carcharhinus obscurus, Sphyrna tiburo, S. zygaena
- Perissopus oblongatus (Wilson, 1908) Cressey, 1967 - Alopias vulpinus, Mustelus henlei, M. lunulatus, Notorhynchus maculatus, Raja binoculata, Remora remora, Sphyrna zygaena, Squalus acanthias, Triakis semifasciata
- Phyllosthereus cornutus (Edwards, 1840) Bassett-Smith, 1899 - Isurus oxyrinchus, Prionace glauca
- Prosaetes rhinodontis (Wright, 1874) Wilson, 1944 - Rhincodon typus

PENNELLIDAE

- Lernaeolophus sultanus (Edwards, 1840) Heller, 1865 - Xiphias gladius
- Pennella sp. - Cololabis saira, Tetrapturus audax, Thunnus albacores, Xiphias gladius
- Pennella costai Richiardi, 1880 - Xiphias gladius
- Pennella crassicornis Steenstrup and Lutken, 1861 - Mola mola, Xiphias gladius

COPEPODA (continued)

PENNELLIDAE (continued)

Pennella filosa (Linnaeus, 1758) Cuvier, 1830 - Istiophorus platypterus, Mola mola, Thunnus thunnus, Xiphias gladius
Pennella germonia Leigh-Sharpe, 1931 - Thunnus alalunga
Pennella instructa Wilson, 1917 - Xiphias gladius
Pennella orthgorischi Wright, 1870 - Mola mola, Thunnus alalunga
Pennella remorae Murray, 1856 - Remora remora

PHILICHTHYIDAE

Colobomatus sp. - Sebastes alutus
Colobomatus embiotocae Noble, Collard and Wilkes, 1969 - Amphistichus argenteus, A. koelzi, Cymatogaster aggregata, Damalichthys vacca, Embiotoca lateralis, Hyperprosopon anale, H. argenteum, Hypsurus caryi, Micrometrus minimus, Rhacochilus toxotes, Zalemibus rosaceus
Colobomatus kyphosus Sekerak, 1970 - Sebastes aleutianus, S. alutus, S. babcocki, S. brevispinis, S. caurinus, S. crameri, S. diploproa, S. elongatus, S. entomelas, S. flavidus, S. maliger, S. nigrocinctus, S. pinniger, S. proriger, S. reedi, S. ruberrimus, S. zacentrus
Philichthys xiphiae Steenstrup, 1864 - Xiphias gladius
Sarcotaces sp. - Sebastes alutus, S. atrovirens
Sarcotaces arcticus Collett, 1874 - Sebastes aleutianus, S. alutus, S. brevispinis, S. crameri, S. ruberrimus

PSEUDOCYCNIDAE

Pseudocycnus appendiculatus Heller, 1865 - Euthynnus pelamis, Paralabrax maculofasciatus, Sarda chiliensis, Thunnus alalunga, T. albacores, T. obesus, T. thunnus
Pseudocycnus buccatus Wilson, 1922 - Scomberomorus sierra
Pseudocycnus thynnus Brandes, 1955 - Thunnus thunnus

SPHYRIIDAE

Opimia exilis Wilson, 1908 - Carcharhinus obscurus
Paeon elongatus Wilson, 1932 - Carcharhinus obscurus, Triakis semifasciata
Paeon ferox Wilson, 1919 - Sphyrna tiburo
Paeon vaissierei? Delamare-Deboutteville and Nunes-Ruivo, 1953 - Sphyrna lewini
Paeonodes nemaformis Hewitt, 1969 - Oncorhynchus tshawytscha
Sphyrion lumpi (Krøyer, 1845) Bassett-Smith, 1899 - Antimora microlepis

TREBIIDAE

Trebius sp. - Mola mola
Trebius caudatus Krøyer, 1838 - Squalus acanthias
Trebius latifurcatus Wilson, 1921 - Gymnura marmorata, Paralichthys californicus, Urolophis halleri
Trebius tenuifurcatus Rathbun, 1887 - Urolophis halleri

COPEPODA (continued)

TUCCIDAE

Tucca impressus Krøyer, 1837 - Diodon hystrix

CRUSTACEA

LEPADIDAE

Conchoderma virgatum (Spengler, 1790) - Cetorhinus maximus, Diodon hystrix, Mola mola, Tetrapturus audax, Xiphias gladius

DIGENEA

ACANTHOCOLPIDAE

- Acanthocolpoides pauloi Travassos, Freitas and Burhheim, 1965 - Scomber japonicus
Manteria brachydera (Manter, 1940) Caballero, 1950 - Caranx hippos,
Oligoplites saurus
Stephanostomum sp. - Citharichthys stigmaeus, Cymatogaster aggregata,
Hyperprosopon argenteum, Leptocottus armatus, Mugil cephalus,
Oligoplites saurus
Stephanostomum baccatum (Nicol, 1907) Manter, 1934 - Gadus macrocephalus,
Hippoglossoides elassodon, Lepidopsetta bilineata, Mola mola,
Reinhardtius hippoglossoides
Stephanostomum californicum Manter and Van Cleave, 1951 - Anoplopoma
fimbria, Genyonemus lineatus, Sebastes caurinus, S. maliger, Umbrina
roncador
Stephanostomum casum (Linton, 1910) McFarlane, 1936 - Artedius harringtoni,
Cymatogaster aggregata, Hyperprosopon argenteum, Leptocottus armatus,
Ophiodon elongatus, Rhacochilus toxotes, Sebastes sp., S. caurinus
Stephanostomum coryphaenae Manter, 1947 - Coryphaena hippurus
Stephanostomum dentatum (Linton, 1900) Linton, 1940 - Embiotoca
jacksoni, Paralichthys californicus, Sebastes aleutianus, S. babcocki
Stephanostomum ditrematis (Yamaguti, 1939) Manter, 1947 - Caranx hippos
Stephanostomum filiforme Linton, 1940 - Caranx caballus
Stephanostomum hispidum (Yamaguti, 1934) Manter, 1940 - Caranx hippos,
Seriola dorsalis
Stephanostomum imparispine (Linton, 1905) Manter, 1940 - Echeneis
naucrates
Stephanostomum longisomum Manter, 1940 - Caranx hippos
Stephanostomum megacephalum Manter, 1940 - Caranx hippos
Stephanostomum microstephanum Manter, 1934 - Epinephelus niveatus
Stephanostomum maucrotis Nagaty, 1957 - Naucrates ductor
Stephanostomum provitellosum Sogandares-Bernal, 1959 - Balistes polylepis
Stephanostomum tenue (Linton, 1898) Linton, 1934 - Roccus saxatilis
Stephanostomum tristephanum McFarlane, 1936 - Ophiodon elongatus,
Scomber japonicus
Tormopolus echenei Parukhin, 1966 - Echeneis naucrates

ACCACOELIIDAE

- Accacladium nematulum Noble and Noble, 1937 - Mola mola
Accacladocoelium alveolatum Robinson, 1934 - Mola mola
Accacladocoelium macrocotyle (Diesing, 1858) Odhner, 1928 - Mola mola
Accacladocoelium nigroflavum (Rudolphi, 1819) Odhner, 1928 - Mola mola
Accacladocoelium petasiporum Odhner, 1928 - Mola mola
Accacladocoelium serpentulus Odhner, 1928 - Mola mola
Accacoelium contortum (Rudolphi, 1819) Odhner, 1928 - Mola mola
Odhnerium calyptrocotyle (Monticelli, 1893) Yamaguti, 1934 - Mola mola
Orophocotyle planci (Stossich, 1899) Looss, 1902 - Mola mola, Ranzania
truncata
Rhyncopharynx paradoxa Odhner, 1928 - Mola mola

DIGENEA (continued)

ACCACOELIIDAE (continued)

- Tetrochetus coryphaenae Yamaguti, 1934 - Coryphaena hippurus, Diodon hystrix
Tetrochetus protocolus Manter, 1940 - Spherooides annulatus,
Trachinotus rhodopus
Tetrochetus raynerianus (Nardo, 1827) Looss, 1912 - Luvarus imperialis

ALBULATREMATIDAE

- Albulatrema ovale Yamaguti, 1965 - Albula vulpes

ALLOCREADIIDAE

- Allocreadium lobatum Wallin, 1909 - Salmo clarki, S. gairdneri
Bianium plicatum (Linton, 1928) Stunkard, 1930 - Spherooides annulatus
Bunodera eucaliae (Miller, 1936) Miller, 1940 - Gasterosteus aculeatus
Bunodera luciopercae (Muller, 1776) Luhe, 1909 - Gasterosteus aculeatus
Bunodera mediovitellata Tsimbalyuk and Roytman, 1965 - Gasterosteus aculeatus
Crepidostomum canadense Hopkins, 1931 - Salmo gairdneri
Crepidostomum cooperi Hopkins, 1931 - Gasterosteus aculeatus, Salmo clarki, S. gairdneri
Crepidostomum cornutum (Osborn, 1903) Stafford, 1904 - Gasterosteus aculeatus
Crepidostomum farionis (Muller, 1780) Braun, 1900 - Gasterosteus aculeatus, Oncorhynchus gorbuscha, O. kisutch, O. nerka, Salmo clarki, S. gairdneri
Crepidostomum metoecus (Braun, 1900) Braun, 1900 - Salmo gairdneri
Crepidostomum salmonis Fujita, 1921 - Oncorhynchus keta
Crepidostomum transmarinum (Nicoll, 1909) - Salmo clarki
Crepidostomum ussuriensis Layman, 1930 - Oncorhynchus gorbuscha
Liliatrema skrjabini Gubanov, 1954 - Blepsias cirrhosus
Pseudocreadium galapagoense Manter, 1946 - Balistes polylepis
Pseudozoogonoides macroacetabulum (Schulman-Albowa, 1952) Zhukov, 1957 -
Hippoglossoides elassodon

APOCREADIIDAE

- Apocreadium longisinosum Manter, 1937 - Spherooides annulatus

APOROCOTYLIDAE

- Aporocotyle margolisi Smith, 1967 - Merluccius productus
Aporocotyle pacifica Yamaguti, 1970 - Ruvettus pretiosus
Aporocotyle simplex Odhner, 1900 - Theragra chalcogramma
Aporocotyle theragrae Ichihara, 1970 - Theragra chalcogramma

AZYGIIDAE

- Azygia lucii (Muller, 1776) - Salmo gairdneri
Azygia robusta Odhner, 1911 - Oncorhynchus tshawytscha
Otodistomum sp. - Citharichthys sordidus, Lepidopsetta bilineata
Otodistomum hydrolagi Schell, 1972 - Hydrorolagus colliei
Otodistomum plicatum Kay, 1947 - Hexanchus griseus

DIGENEA (continued)

AZYGIIDAE (continued)

Otodistomum scymni (Risso, 1926) Guiart, 1938 - Hexanchus griseus
Otodistomum veliporum (Creplin, 1837) Stafford, 1904 - Eopsetta
jordani, Hexanchus griseus, Lepidopsetta bilineata, Parophrys vetulus,
Raja binoculata, R. rhina, Squalus acanthias, Squatina californica

BATHYCOTYLIDAE

Bathycotyle cocyphaenae Yamaguti, 1938 - Coryphaena hippurus

BIVESICULIDAE

Paucivitellosus fragilis Coil, Read and Kuntz, 1965 - Mugil cephalus

BOTULIDAE

Botulus alepidosauri Guiart, 1938 - Alepisaurus ferox

BOTULISACCIDAE

Botulisaccus pisceus Caballero, Bravo-Hollis and Grocott, 1955 -
Albula vulpes

BUCEPHALIDAE

Gen. and sp. - Clinocottus embryum
Bucephaloides sibi (Yamaguti, 1940) Hopkins, 1954 - Thunnus thunnus
Bucephalopsis sp. - Damalichthys vacca
Bucephalopsis arcuata (Linton, 1900) Ekmann, 1932 - Caranx hippos,
Carcharhinus obscurus
Bucephalopsis basargini Layman, 1930 - Oncorhynchus gorboscha,
Platichthys stellatus
Bucephalopsis cybii Park, 1939 - Scomberomorus sierra
Bucephalopsis gracilescens (Rudolphi, 1819) Ekmann, 1932 - Caranx
hippos, Clupea harengus, Hippoglossoides elassodon, Lepidopsetta
bilineata, Oncorhynchus gorboscha, O. keta, O. nerka, O. tschawytscha
Platichthys stellatus, Reinhardtius hippoglossoides, Theragra
chalcogramma

Bucephalopsis labiatus Manter and Van Cleave, 1951 - Leuresthes
tenuis, Paralichthys californicus

Bucephalopsis ozakii (Ozaki, 1928) Nagaty, 1937 - Leptocottus
armatus

Bucephalus sp. - Ophiodon elongatus

Bucephalus heterotentaculatus Bravo-Hollis and Sogandares-Bernal, 1956

Mycteroperea xenarcha, Paralichthys californicus, Scomberomorus sierra

Bucephalus introverus Manter, 1940 - Caranx hippos, Seriola dorsalis

Bucephalus polymorphus Baer, 1827 - Clupea harengus

Bucephalus scorpaenae Manter, 1940 - Scorpaena guttata

Bucephalus varicus Manter, 1940 - Caranx hippos

Carassotrema mugilicola Shireman, 1964 - Mugil cephalus

DIGENEA (continued)

BUCEPHALIDAE (continued)

- Dicrogaster fastingatus Thatcher and Sparks, 1958 - Mugil cephalus
Dollfustrema californiae Montgomery, 1957 - Gymnothorax mordax
Haploporus benedeni (Stössich, 1887) Looss, 1902 - Mugil cephalus
Haploporus lateralis Looss, 1902 - Mugil cephalus
Haploporus longibotium (Wlassenko, 1931) - Mugil cephalus
Haploplanchnus pachysomus (Eysenhardt, 1829) Looss, 1902 - Mugil cephalus
Isorchis manteri Martin, 1973 - Mugil cephalus
Lecithbotrys putrescens Looss, 1902 - Mugil cephalus
Lecithbotrys sprengi Martin, 1973 - Mugil cephalus
Paralecithobotrys brisbanensis Martin, 1974 - Mugil cephalus
Prosorhynchus sp. - Auxis thazard, Damalichthys vacca, Hexagrammos lagocephalus, Sebastes alutus, S. pinniger
Prosorhynchus apertus McFarlane, 1936 - Ophiodon elongatus
Prosorhynchus crucibulum (Rudolphi, 1819) Odhner, 1905 - Atheresthes stomias, Gadus macrocephalus, Menticirrhus undulatus, Pleurogrammus monopterygius, Polydactylus opercularis, Sebastes aleutianus, S. crameri, S. diploproa, S. elongatus, S. entomelas, S. flavidus, S. paucispinis, S. pinniger, S. reedi, S. ruberrimus, S. zacentrus, Theragra chalcogramma
Prosorhynchus facilis (Ozaki, 1924) Ekmann, 1933 - Ophiodon elongatus
Prosorhynchus gonoderus Manter, 1940 - Epinephelus analogus
Prosorhynchus ozakii Manter, 1934 - Epinephelus analogus, E. niveatus, Mycteroperca xenarcha
Prosorhynchus pacificus Manter, 1940 - Epinephelus analogus, Mycteroperca xenarcha
Prosorhynchus scapellus McFarlane, 1936 - Scorpaenichthys marmoratus
Prosorhynchus squamatus Odhner, 1905 - Enophris bison, Squalus acanthias
Prosorhynchus uniporus Ozaki, 1924 - Acanthogobius flavimanus
Rhipidocotyle sp. - Damalichthys vacca
Rhipidocotyle capitata (Linton, 1940) Manter, 1947 - Auxis rochei, A. thazard
Rhipidocotyle elongata McFarland, 1936 - Leptocottus armatus, Ophiodon elongatus
Rhipidocotyle heptathelata Stunkard, 1974 - Euthynnus affinis
Rhipidocotyle lepisostei Hopkins, 1954 - Mugil cephalus
Rhipidocotyle pentagonum (Ozaki, 1924) Ekmann, 1932 - Auxis thazard, Thunnus thunnus
Rhipidocotyle septapillata Krull, 1934 - Euthynnus affinis
Saccacoelium obesum Looss, 1902 - Mugil cephalus
Saccacoelium tensus Looss, 1902 - Mugil cephalus
Saccacoelioides beauforti (Hunter and Thomas, 1961) Overstreet, 1971 - Mugil Cephalus
Saccacoelioides pearsoni Martin, 1973 - Mugil cephalus
Unisaccoides vitellosus Martin, 1973 - Mugil cephalus
Unisaccus brisbanensis Martin, 1973 - Mugil cephalus

CALLODISTOMIDAE

- Diplangus mexicanus Bravo-Hollis and Manter, 1957 - Cynoscion parvipinnis

DIGENEA (continued)

CEPHALOPORIDAE

Plectognathotrema hydrolagi Olson, Hanson, Pratt, 1970 - Hydrolagus colliei

CLINOSTOMIDAE

Clinostomum marginatum (Rudolphi, 1819) Leidy, 1856 - Dorosoma petenense, Salmo clarki, S. gairdneri

COITOCAECIDAE

Nicolla extrema Travassos, Freitas and Burnheim, 1965 - Scomber japonicus

CRYPTOGONIMIDAE

Claribulla longula Overstreet, 1969 - Albula vulpes
Crytogrammus sp. - Acanthogobius flavimanus
Exorchis oviformis Kobayashi, 1915 - Mugil cephalus
Neochasmus sp. - Hyperprosopon argenteum
Neochasmus sogandaresi Overstreet, 1971 - Roccus saxatilis
Metadena magdalenae Arai, 1962 - Paralichthys californicus

CYATHOCOTYLIDAE

Holostephanus lthei Szidat, 1936 - Gasterosteus aculeatus
Mesostephanus appendiculatus (Ciurea, 1916) Lutz, 1935 - Fundulus parvipinnis, Gillichthys mirabilis, Mugil cephalus

DEROPROSTIIDAE

Cestrahelmin rivularis Becker, 1971 - Acipenser transmontanus

DICLIDOPHORIDAE

Heterobothrium affinis (Linton, 1898) Price, 1943 - Atheresthes stomias

DIDYMOZOIDAE

Gen. and sp. - Cololabis saira, Coryphaena hippurus, Engraulis mordax,
Gillichthys mirabilis, Leuresthes tenuis, Oncorhynchus kisutch,
Remora remora, Stenobranchius leucopsarus
Larval didymozoids - Argyropelechus pacificus
Adenodidymocystis intestinalis Yamaguti, 1970 - Euthynnus pelamis
Allometanematobothrioides lepidocybii Yamaguti, 1965 - Lepidocybium flavobrunneum
Allonematobothrioides scombri Yamaguti, 1970 - Scomber japonicus
Annulocystis auxis Yamaguti, 1970 - Auxis thazard
Atalostrophion sardae MacCallum, 1915 - Thunnus albacores
Coeliodidymozoon abdominalis (Yamaguti, 1938) Yamaguti, 1970 -
Euthynnus pelamis
Coeliodidymozoon komegaii Yamaguti, 1970 - Euthynnus pelamis

DIGENEA (continued)

DIDYMOZOIDAE (continued)

- Coeliotrema thynni Yamaguti, 1938 - Thunnus thunnus
Colocynthotrema sp. - Istiophorus platypterus, Makaira nigricans
Colocynthotrema auxis Yamaguti, 1951 - Auxis thazard
Dermatodidymocystis vivipara Yamaguti, 1970 - Thunnus obesus
Dermatodidymocystis viviparoides Yamaguti, 1970 - Thunnus obesus
Didymocylindrus filiformis Ishii, 1935 - Euthynnus pelamis, Thunnus thunnus
Didymocylindrus simplex (Ishii, 1935) Yamaguti, 1970 - Euthynnus pelamis
Didymocystis sp. - Thunnus albacores
Didymocystis bifurcata Yamaguti, 1970 - Thunnus obesus
Didymocystis bilobata Ishii, 1935 - Euthynnus pelamis
Didymocystis coatesi Nigrelli, 1939 - Thunnus albacores
Didymocystis crassa Ishii, 1935 - Thunnus thunnus
Didymocystis dissimilis Yamaguti, 1968 - Auxis thazard
Didymocystis lanceolata Guiart, 1938 - Thunnus alalunga
Didymocystis macrorchis Guiart, 1938 - Thunnus alalunga
Didymocystis nasalis Yamaguti, 1970 - Thunnus obesus
Didymocystis orbatalis Yamaguti, 1970 - Thunnus obesus
Didymocystis ovata Ishii, 1935 - Euthynnus pelamis, Thunnus thunnus
Didymocystis philobranchia Yamaguti, 1970 - Thunnus alalunga, T. obesus
Didymocystis philobranchiarcha Yamaguti, 1970 - Thunnus obesus
Didymocystis poonui Yamaguti, 1970 - Thunnus obesus
Didymocystis reniformis Ariola, 1902 - Euthynnus pelamis, Thunnus thunnus
Didymocystis soleiformis Ishii, 1935 - Euthynnus pelamis, Thunnus thunnus
Didymocystis thynni (Taschenberg, 1879) Dollfus, 1926 - Thunnus alalunga
Didymocystis wedli Ariola, 1902 - Euthynnus pelamis, Thunnus alalunga, T. albacores, T. thunnus
Didymocystoides alalongae (Yamaguti, 1938) Yamaguti, 1970 - Thunnus alalunga
Didymocystoides bifasciatus Yamaguti, 1970 - Thunnus obesus
Didymocystoides buccalis Yamaguti, 1970 - Thunnus alalunga
Didymocystoides intestinomuscularis Yamaguti, 1970 - Euthynnus pelamis
Didymocystoides opercularis (Yamaguti, 1938) Yamaguti, 1970 - Thunnus alalunga
Didymocystoides pectoralis Yamaguti, 1970 - Thunnus obesus
Didymocystoides pinnicola Yamaguti, 1970 - Euthynnus pelamis
Didymocystoides semiglobularis (Ishii, 1935) Yamaguti, 1970 - Thunnus thunnus
Didymocystoides submentalis (Yamaguti, 1938) Yamaguti, 1970 - Euthynnus pelamis
Didymoproblema fusiforme Ishii, 1935 - Euthynnus pelamis, Thunnus thunnus
Didymosphaera mirabilis Mamaev, 1968 - Auxis thazard
Didymozoon sp. - Auxis rochei, Echeneis naucrates, Scomber japonicus
Didymozoon auxis Taschenberg, 1879 - Auxis rochei, Auxis thazard
Didymozoon filicolle Ishii, 1935 - Euthynnus pelamis, Thunnus thunnus
Didymozoon longicolle Ishii, 1935 - Euthynnus pelamis, Scomber japonicus, Thunnus albacores, T. obesus, T. thunnus

DIGENEA (continued)

DIDYMOZOIDAE (continued)

- Didymozoon minus Yamaguti, 1934 - Euthynnus pelamis
Didymozoon molae (Rudolphi, 1819) Dollfus, 1946 - Mola mola
Didymozoon pretiosum Ariola, 1902 - Thunnus thunnus
Koellikeria abdominalis Yamaguti, 1970 - Thunnus albacores
Koellikeria bipartita (Wedl, 1855) Ishii, 1935 - Thunnus alalunga,
T. albacores, T. thunnus
Koellikeria filicollis (Rudolphi, 1819) - Mola mola
Koellikeria globosa Ishii, 1935 - Euthynnus pelamis, Thunnus albacores?,
T. thunnus
Koellikeria orientalis (Yamaguti, 1934) Ishii, 1935 - Euthynnus pelamis,
Thunnus alalunga, T. albacores, T. thunnus
Koellikeria pylorica Yamaguti, 1970 - Thunnus obesus
Koellikeria reniformis Ishii, 1935 - Euthynnus pelamis, Thunnus thunnus
Koellikeria retrorbitalis Yamaguti, 1970 - Thunnus obesus
Koellikeria submaxillaris Yamaguti, 1970 - Thunnus obesus
Koellikerioides apicalis Yamaguti, 1970 - Thunnus obesus
Koellikerioides externogastricus Yamaguti, 1970 - Thunnus obesus
Koellikerioides internogastricus Yamaguti, 1970 - Thunnus obesus
Koellikerioides intestinalis Yamaguti, 1970 - Thunnus obesus
Lagenocystis katsuoni Yamaguti, 1970 - Euthynnus pelamis
Lamprididymozoon lampridis (Yamaguti, 1940) Yamaguti, 1971 - Lampris
regius
Lobatozoum multisacculatum Ishii, 1935 - Auxis thazard, Euthynnus pelamis,
Thunnus thunnus
Maccallumtrema xiphiados (MacCallum and MacCallum, 1916) Yamaguti, 1970 -
Xiphias gladius
Metadidymocystis cymbiformis Yamaguti, 1970 - Lampris regius
Metanematobothrium bivittellatum Mamaev, 1968 - Auxis thazard, Euthynnus
affinis
Metanematobothrium guernei (Monier, 1891) Yamaguti, 1938 - Thunnus
alalunga
Nematobothrioides histoidii Noble, 1974 - Mola mola
Nematobothrium sp. - Euthynnus affinis, Thunnus thunnus
Nematobothrium filliforme Yamaguti, 1934 - Scomber japonicus
Nematobothrium robustum Yamaguti, 1970 - Scomber japonicus
Nematobothrium latum Guiart, 1938 - Thunnus alalunga
Nematobothrium molae MacLaren, 1904 - Mola mola
Nematobothrium scombrii (Taschenberg, 1879) Ishii, 1935 - Scomber
japonicus
Neodiplotrema pelamydis (Yamaguti, 1938) Yamaguti, 1938 - Euthynnus
pelamis
Neonematobothrioides poonui Yamaguti, 1970 - Thunnus obesus
Neonunitubulotestis orbitarium (Dollfus, 1956) Yamaguti, 1971 -
Ruvettus pretiosus
Oesophagocystis dissimilis (Yamaguti, 1938) Yamaguti, 1970 - Auxis
thazard, Euthynnus affinis, E. pelamis, Thunnus thunnus
Opepherotrema planum Yamaguti, 1951 - Auxis thazard
Opisthorchinematobothrium parathunni Yamaguti, 1970 - Thunnus obesus
Orbitonematobothrium periculare Yamaguti, 1970 - Thunnus obesus
Phacelotrema claviforme Yamaguti, 1951 - Auxis thazard
Platocystis sp. - Thunnus albacores

DIGENEA (continued)

DIDYMOZOIDAE (continued)

Platocystis alalongae Yamaguti, 1938 - Thunnus alalunga
Reniforma multilobularis Yamaguti, 1970 - Xiphias gladius
Univitellannulocystis katsuoni Yamaguti, 1970 - Euthynnus pelamis
Univitellodidymocystis neothunni Yamaguti, 1970 - Thunnus obesus

DINURIDAE

Gen. and sp. - Cololabis saira
Ectenurus lepidus Looss, 1907 - Oligoplites saurus

DIPLANGIDAE

Diplangus macrovitellus (Winter, 1954) Winter, 1960 - Cymatogaster aggregata, Damalichthys vacca, Embiotoca lateralis
Diplangus paxillus Linton, 1910 - Embiotoca jacksoni, Phanerodon furcatus
Diplangus triradiatus Manter and Van Cleave, 1951 - Amphistichus argenteus

DIPLOSTOMIDAE

Diplostomum sp. - Gasterosteus aculeatus, Oncorhynchus kisutch, O. nerka, Salmo clarki
Diplostomum clavatum (Ciurea, 1928) - Gasterosteus aculeatus
Diplostomum flexicaudum (Cort and Brooks, 1928) Van Haitsma, 1931 - Oncorhynchus kisutch, Salmo gairdneri
Diplostomum gasterostei Williams, 1966 - Gasterosteus aculeatus
Diplostomum gobiorum Shigin, 1965 - Gasterosteus aculeatus
Diplostomum pungitius Shigin, 1965 - Gasterosteus aculeatus
Diplostomum scudleri (Oliver) - Gasterosteus aculeatus
Diplostomum spathaceum (Rudolphi, 1819) - Gasterosteus aculeatus, Oncorhynchus nerka, Salmo gairdneri
Neascus sp. - Gasterosteus aculeatus, Salmo clarki
Neascus brevicaudatus (Nordmann, 1932) - Gasterosteus aculeatus
Posthodiplostomum cuticola (Nordmann, 1932) Dubois, 1936 - Gasterosteus aculeatus
Posthodiplostomum minimum (MacCallum, 1921) Dubois, 1936 - Fundulus parvipinnis, Gasterosteus aculeatus, Salmo clarki
Tetracotyle sp. - Gasterosteus aculeatus

ECHINOSTOMATIDAE

Echinochasmus milvi Yamaguti, 1939 - Salmo gairdneri
Patasiger cf. pungens (Linstow, 1894) - Gasterosteus aculeatus

FELLODISTOMIDAE

Gen. and sp. - Ceratoscopelus townsendi
Anisorchis opisthorchis Polyansky, 1955 - Hemilepidotus hemilepidotus, Hexagrammos lagocephalus, Theragra chalcogramma
Anisorchis zhukovi nom. nov. - Hexagrammos lagocephalus

DIGenea (continued)

FelloDistomidae (continued)

- Diplangus macrovitellus (Winter, 1954) Winter, 1960 - Embiotoca jacksoni
Discogasteroides minor (Yamaguti, 1934) Skrjabin and Koval, 1957 - Ostracion diaphanum
Discogasteroides ostracii Yamaguti, 1934 - Ostracion diaphanum
Fellodistomum brevum Ching, 1960 - Microstomus pacificus
Fellodistomum furcigerum (Olsson, 1867) Yamaguti, 1954 - Hippoglossoides elassodon, Merluccius productus, Pleuronichthys decurrens, Reinhardtius hippoglossoides, Theragra chalcogramma
Fellodistomum melanostigum Noble and Orias, 1975 - Melanostigma pammelas
Fellodistomum phrissovum Aldrich, 1961 - Parophrys vetulus
Fellodistomum Sebastodis Yamaguti and Matumura, 1942 - Sebastes aleutianus, S. alutus, S. elongatus, S. ruberrimus, S. zacentrus
Hexagrammia longitestis Schell, 1973 - Hexagrammos decagrammus
Hexagrammia zhukovi Baeva, 1965 - Pleurogrammus monopterygius
Faustula gasterostei Schell, 1973 - Gasterosteus aculeatus
Lintonium novikovi Baeva, 1965 - Cololabis saira
Lintonium srivastavi Lamothe-Argumedo, 1969 - Sphoeroides annulatus
Megalomyzon robustum Manter, 1947 - Diodon hystrix
Monascus typicus (Odhner, 1911) Yamaguti, 1954 - Caranx hippos
Pentagramma petrowi (Layman, 1930) Margolis and Ching, 1965 - Clupea harengus, Gadus macrocephalus, Hexagrammos lagocephalus, Hypomesus pretiosus, Oncorhynchus gorbuscha, O. nerka, Spirinchus thaleichthys
Proctoeces magnorus Manter, 1940 - Caulolatilus princeps
Stenakron quinquelobatum (Layman, 1930) Mamaev, Parukhin and Baeva, 1963 - Hippoglossoides elassodon
Stenakron vetustum Stafford, 1904 - Gadus macrocephalus, Hippoglossoides elassodon, Hippoglossus stenolepis, Lepidopsetta bilineata, Platichthys stellatus, Reinhardtius hippoglossoides
Stringotrema ovacutum (Lebour, 1908) Odhner, 1911 - Hippoglossoides elassodon, Lepidopsetta bilineata
Tergestia acanthocephala (Stossich, 1887) Stossich, 1899 - Scomber japonicus
Tergestia acanthogobii Yamaguti, 1938 - Acanthogobius flavimanus, Auxis thazard
Tergestia laticollis (Rudolphi, 1819) Stossich, 1899 - Auxis thazard, Caranx caballus, Euthynnus pelamis, Scomber japonicus
Tergestia pectinata (Linton, 1905) Manter, 1940 - Auxis rochei, Caranx hippos, Oligoplites saurus

Gasterostomidae

- Gasterostomum capitatum Linton, 1940 - Auxis rochei

Gastrocotylidae

- Pseudaxine sp. - Auxis thazard
Allopseudaxine macrova (Unnithan, 1957) Yamaguti, 1963 - Auxis thazard
Metapseudaxine ventrosicula Mamaev, 1967 - Auxis thazard
Pseudaxine triangula Mamaev, 1967 - Auxis thazard

DIGENEA (continued)

GORGODERIDAE

- Petalodistomum pacificum Caballero, 1945 - Galeorhinus zyopterus
Phyllodistomum sp. - Fundulus parvipinnis, Sebastes caurinus, S.
diploproa, S. ruberrimus
Phyllodistomum conostomum (Olsson, 1876) Looss, 1902 - Oncorhynchus
nerka
Phyllodistomum folium (Olfers, 1816) Braun, 1899 - Gasterosteus aculeatus
Phyllodistomum lachancei Choquette, 1947 - Salmo gairdneri
Phyllodistomum lancea Mamaev, 1968 - Auxis thazard, Euthynnus affinis
Phyllodistomum mirandai Lamothe-Argumedo, 1969 - Sphoeroides annulatus
Phyllodistomum scrippsi Brooks and Mayes, 1975 - Pimelometopon pulchrum
Probolitrema californiense Stunkard, 1935 - Dasyatis violacea,
Platyrrhinoidis triseriata, Rhinobatis productus
Probolitrema mexicana Markell, 1956 - Mustelus lunulatus
Probolitrema phillipi Woolcock, 1935 - Squalus acanthias
Probolitrema richiardi (Lopes, 1888) Looss, 1902 - Squalus acanthias

HAPLOPORIDAE

- Dicrogaster fastigatus Thatcher and Sprarcks, 1958 - Mugil cephalus

HAPLOSPLANCHNIDAE

- Hymenocotta mulli Manter, 1961 - Mugil cephalus
Hymenocottoides manteri, (Overstreet, 1969) Yamaguti, 1971 - Mugil
cephalus
Schikhobalotrema sp. - Mugil cephalus
Schikhobalotrema elongatum Nahhas and Cable, 1964 - Mugil cephalus
Schikhobalotrema girellae (Manter and Van Cleave, 1951) Skrjabin
and Guschanskaia, 1955 - Girella nigricans, Hyperprosopon argenteum,
Micrometrus minimus
Schikhobalotrema sparisomae (Manter, 1937) Skrjabin and Guschanskaia,
1955 - Mugil cephalus

HEMIURIDAE

- Gen. and sp. - Ceratoscopelus townsendi, Cololabis saira, Icelinus
tenuis, Melamphaes acanthomus, Scomber japonicus, Scopelogadus
mizolepis bispinosus
Aphanurus sp. - Mugil cephalus
Aponurus sp. - Melanostigma pammelas, Salmo gairdneri
Aponurus argentini Polyansky, 1952 - Merluccius productus
Aponurus californicus Noble and Orias, 1970 - Leuroglossus stilbius,
Melanostigma pammelas
Aponurus lagunculus Looss, 1970 - Thunnus thunnus
Aponurus pacificus Noble and Orias, 1975 - Melanostigma pammelas
Aponurus trachinoti Manter, 1940 - Porichthys sp.
Brachadena pyriformis Linton, 1910 - Anisotremus davidsoni, Porichthys
sp.
Brachyphallus amuriensis Babaskin, 1928 - Clupea harengus, Oncorhynchus
gorbuscha, O. keta

DIGENEA (continued)

HEMIURIDAE (continued)

Brachyphallus crenatus (Rudolphi, 1802) Odhner, 1905 - Blepsias cirrhosus, Clupea harengus, Cololabis saira, Gadus macrocephalus, Gasterosteus aculeatus, Hippoglossoides elassodon, Hippoglossus stenolepis, Lepidopsetta bilineata, Oncorhynchus gorbuscha, O. keta, O. kisutch, O. nerka, O. tschawytscha, Reinhardtius hippoglossoides, Remora remora, Theragra chalcogramma

Brachyphallus parvus (Manter, 1947) Skrjabin and Guschanskaja, 1954 - Auxis thazard, Thunnus albacores

Bunocotyle mugilis Yamaguti, 1970 - Mugil cephalus

Derogenes sp. - Oncorhynchus kisutch, O. tschawytscha, Salmo clarki, Salmo gairdneri

Derogenes crassus Manter, 1934 - Ophiodon elongatus, Sebastes paucispinis

Derogenes infirmus (Linton, 1940) Yamaguti, 1971 - Oncorhynchus tschawytscha

Derogenes varicus (Muller, 1784) Looss, 1901 - Blepsias cirrhosus, Citharichthys sordidus, Clinocottus embryum, Clupea harengus, Gadus macrocephalus, Gasterosteus aculeatus, Hemilepidotus hemilepidotus, Hexagrammos lagocephalus, Hippoglossoides elassodon, Hippoglossus stenolepis, Isopsetta isolepis, Leptocottus armatus, Lyopsetta exilis, Merluccius productus, Microgadus proximus, Oncorhynchus gorbuscha, O. nerka, Ophiodon elongatus, Platichthys stellatus, Porichthys notatus, Reinhardtius hippoglossoides, Sebastes aleutianus, S. alutus, S. babcocki, S. brevispinis, S. caurinus, S. crameri, S. diploroa, S. elongatus, S. entomelas, S. flavidus, S. goodei, S. hevlomaculatus, S. maliger, S. paucispinis, S. pinniger, S. proriger, S. reedi, S. ruberrimus, S. zacentrus, Squalus acanthias, Theragra chalcogramma,

Derogenoides sp. - Damalichthys vacca

Deropegus aspina (Ingles, 1936) McCauley and Pratt, 1961 - Oncorhynchus kisutch, O. tschawytscha, Salmo clarki, S. gairdneri

Dichadena galeata (Looss, 1907) Skrjabin and Guschanskaja, 1954 - Mugil cephalus

Dinosoma oregonensis McCauley and Pequegnat, 1968 - Coryphaenoides acrolepis, C. pectoralis

Dinurinae - Auxis thazard

Dinurus barbatus (Cohn, 1902) Looss, 1907 - Coryphaena hippurus, Paralabrax clathratus

Dinurus breviductus Looss, 1907 - Coryphaena hippurus

Dinurus euthynni Yamaguti, 1934 - Auxis thazard, Euthynnus affinis, E. pelamis

Dinurus longisinus Looss, 1907 - Coryphaena hippurus

Dinurus scombri Yamaguti, 1934 - Istiophorus platypterus, Scomber japonicus

Dinurus tornatus (Rudolphi, 1819) Looss, 1907 - Coryphaena hippurus

Dissosaccus sp.? - Melanostigma pammelas

Dissosaccus laevis (Linton, 1898) Manter, 1947 - Glyptocephalus zachirus

Ectenurus americanus (Manter, 1947) Manter and Pritchard, 1960 - Caranx hippos

Ectenurus lepidocybii Yamaguti, 1970 - Lepidocybium flavobrunneum

Ectenurus lepidus Looss, 1907 - Scomber japonicus

DIGenea (continued)

HEMIURIDAE (continued)

- Ectenurus virgulus Linton, 1910 - Caranx hippos
Ectenurus yamagutii Nahhas and Powell, 1971 - Caranx hippos
Elytrophallus mexicanus Manter, 1940 - Paralabrax clathratus
Genarchopsis muelleri (Levinsen, 1881) Yamaguti, 1954 - Hexagrammos
Iagocephalus, Hippoglossoides elassodon, Hippoglossus stenolepis,
Lepidopsetta bilineata, Oncorhynchus gorbuscha, O. keta, O. nerka,
Platichthys stellatus, Reinhardtius hippoglossoides, Squalus
acanthias
Genolinea aburame Yamaguti, 1934 - Pleurogrammus monoptyeryquis
Genolinea anura (Layman, 1930) Yamaguti, 1954 - Blepsias cirrhosus,
Hexagrammos Iagocephalus, Oncorhynchus gorbuscha, Theragra chalcogramma
Genolinea laticauda Manter, 1925 - Arteidius fenestralis, Blepsias
cirrhosus, Clinocottus analis, C. globiceps, Enophrys bison, Gibbonsia
sp., Hemilepidotus hemilepidotus, Hexagrammos decagrammus, H.
Iagocephalus, Isopsetta isolepis, Leptocottus armatus, Nautichthys
oculofasciatus, Oligottus maculosus, Oncorhynchus nerka, Ophiodon
elongatus, Scorpaenichthys marmoratus
Genolinea lintoni Skrjabin and Guschanskaja, 1955 - Oncorhynchus
tschawytscha
Genolinea manteri Lloyd, 1938 - Enophrys bison, Leptocottus armatus,
Lumpenus sagitta
Genolinea montereyensis Annereaux, 1947 - Clinocottus analis, Leptocottus
armatus
Genolinea oncorhynchi Margolis and Adams, 1956 - Oncorhynchus gorbuscha
Genolinea tanyopa Montgomery, 1957 - Hypsypops rubicunda, Medialuna
californiensis
Gonocerca sp. - Thunnus albacores
Gonocerca oregonensis McCauley, Pequegnat and Brownell, 1970 -
Coryphaenoides filifer, C. pectoralis
Gonocerca oshoro Shimazu, 1970 - Coryphaenoides pectoralis
Gonocercella pacifica Manter, 1940 - Trachinotus rhodopus
Gonocercella trachinoti (MacCallum, 1913) Yamaguti, 1954 - Albula
vulpes
Hemiurus appendiculatus (Rudolphi, 1802) Looss, 1899 - Clupea harengus,
Oncorhynchus gorbuscha
Hemiurus communis Odhner, 1905 - Theragra chalcogramma
Hemiurus levinseni Odhner, 1905 - Clupea harengus, Hippoglossoides
elassodon, Hippoglossus stenolepis, Lepidopsetta bilineata,
Microgadus proximus, Oncorhynchus gorbuscha, O. keta, O. kisutch,
O. nerka, O. tschawytscha, Ophiodon elongatus, Reinhardtius
hippoglossoides, Sebastes caurinus, S. ruberrimus, Squalus acanthias,
Theragra chalcogramma
Hemiurus luehei Odhner, 1905 - Clupea harengus
Hemiurus odhneri Yamaguti, 1934 - Theragra chalcogramma
Hysterolecitha elongata Manter, 1931 - Mugil cephalus
Hysterolecitha trilocalis King and Noble, 1961 - Gillichthys mirabilis
Intuscirrus aspicotti Acena, 1947 - Enophrys bison
Lampritrema nipponicum Yamaguti, 1940 - Lampris regius
Lampritrema hawaiiense Yamaguti, 1970 - Lampris regius
Lecithaster confusus Odhner, 1905 - Clupea harengus
Lecithaster gibbosus (Rudolphi, 1802) Luhe, 1901 - Ammodytes hexapterus,
Aprodon cortezianus, Atheresthes stomias, Aulorhynchus flavidus,

DIGenea (continued)

HEMIURIDAE (continued)

- Blepsias cirrhosus, Brachyistius frenatus, Clinocottus acuticeps,
C. embryum, C. globiceps, Clupea harengus, Cololabis saira,
Coryphopterus nicholsi, Cymatogaster aggregata, Gadus macrocephalus,
Gasterosteus aculeatus, Hemilepidotus hemilepidotus, Hexagrammos
decagrammus, H. lagocephalus, Hippoglossoides elassodon, Lepidopsetta
bilineata, Leptocottus armatus, Nautichthys oculofasciatus,
Oligocottus maculosus, O. snyderi, Oncorhynchus gorboscha, O. keta,
O. kisutch, O. nerka, O. tschawytscha, Ophiodon elongatus, Pholis
ornata, Platichthys stellatus, Porichthys sp., P. notatus,
Reinhardtius hippoglossoides, Ronquilus jordani, Scomber japonicus,
Sebastes alutus, S. caurinus, S. maliger, S. melanops, S. pinniger,
S. proriger, S. zacentrus, Syngnathus leptorhynchus, Thaleichthys
pacificus, Theragra chalcogramma
Lecithaster helodes Overstreet, 1973 - Mugil cephalus
Lecithaster minimus Martin and Multani, 1970 - Clevelandia ios,
Gillichthys mirabilis, Ilypnus gilberti, Quietula y-cauda
Lecithaster mugilis Yamaguti, 1970 - Mugil cephalus
Lecithaster sayori Yamaguti, 1938 - Cololabis saira
Lecithaster stellatus Looss, 1907 - Acanthogobius flavimanus,
Oncorhynchus gorboscha, O. keta
Lecithochirium sp. - Merluccius productus
Lecithochirium albulae Yamaguti, 1970 - Albula vulpes
Lecithochirium keokeo Yamaguti, 1970 - Auxis thazard
Lecithochirium magnaporum Manter, 1940 - Scomber japonicus, Seriola
dorsalis, Trachurus symmetricus
Lecithochirium medium Acena, 1941 - S. ruberrimus
Lecithochirium microstomum Chandler, 1935 - Calamus brachysomus,
Euthynnus pelamis, Oligoplites saurus, Scomberomorus sierra
Lecithochirium monticellii (Linton, 1910) Crowcroft, 1946 - Echeneis
naucrates, Oligoplites saurus
Lecithochirium parvum Manter, 1947 - Caranx hippos
Lecithocladium excisum (Rudolphi, 1819) Luhe, 1901 - Scomber japonicus
Lecithocladium harpodontis Srivastava, 1942 - Scomber japonicus
Lecithophyllum anteroporum Margolis, 1958 - Hexagrammos lagocephalus,
Merluccius productus, Oncorhynchus gorboscha, O. kisutch, O. nerka
Lecithophyllum botryophorum (Olsson, 1868) Odhner, 1905 - Sebastes
aleutianus, S. alutus, S. crameri, S. flavidus, S. paucispinis,
S. reedi
Lecithophyllum intermedium (Manter, 1934) Margolis, 1958 - Gymnothorax
mordax, Xenistius californiensis
Lecithophyllum sphaerolecithum (Manter, 1925) Odhner, 1927 - Theragra
chalcogramma
Lecithophyllum trachinoti (Manter, 1940) Yamaguti, 1971 - Trachinotus
rhodopus
Magniscyphus taboganus (Sogandres-Bernal, 1959) Reid, Coil and Kuntz,
1965 - Gymnothorax mordax, Paralabrax clathratus
Mecoderus oligoplites Manter, 1940 - Oligoplites saurus
Myosaccium ecaude Montgomery, 1957 - Sardinops sagax caeruleus
Opisthadena bodegnesis Johnson and Copsey, 1953 - Cebidichthys violaceus
Parahemiurus merus (Linton, 1910) Woolcock, 1935 - Aprodon cortezianus,
Caranx hippos, Clupea harengus, Echeneis naucrates, Engraulis mordax,

DIGenea (continued)

HEMIURIDAE (continued)

- Gadus macrocephalus, Gasterosteus aculeatus, Hippoglossoides elassodon, Hippoglossus stenolepis, Lyopsetta exilis, Oncorhynchus gorbuscha, O. keta, O. nerka, O. tschawytscha, Ophiodon elongatus, Platichthys stellatus, Sardinops sagax caeruleus, Syngnathus leptorhynchus
- Parahemiurus noblei King, 1962 - Sardinops sagax caeruleus
- Parahemiurus sardiniae Yamaguti, 1934 - Istiphorus platypterus
- Plerurus carangi Parukhin, 1966 - Auxis thazard, Euthynnus affinis
- Pronopyge ocreata (Rudolphi, 1802) Looss, 1899 - Clupea harengus
- Saturnius segmentatus Manter, 1969 - Mugil cephalus
- Sterrhurus sp. - Oncorhynchus nerka
- Sterrhurus exodicus (McFarlane, 1936) Yamaguti, 1958 - Embiotoca lateralis, Eopsetta jordani, Gibbonsia sp., Gobiesox maeandricus, Ophiodon elongatus, Platichthys stellatus, Sebastes atrovirens, S. caurinus, S. constellatus, S. elongatus, S. flavidus, S. maliger, S. mystinus, S. nebulosus, S. paucispinis, "Sole"
- Sterrhurus floridensis Manter, 1934 - Echeneis naucrates
- Sterrhurus imocavus Looss, 1907 - Auxis thazard, Euthynnus affinis, Thunnus thunnus
- Sterrhurus magnatestis Park, 1936 - Citharichthys sordidus, C. stigmaeus
- Sterrhurus monticelli (Linton, 1898) Linton, 1910 - Sebastes sp.
- Sterrhurus musculus Looss, 1907 - Caranx hippos
- Sterrhurus taboganus Sogandares-Bernal, 1959 - Gymnothorax mordax
- Sterrhurus zeloticus (Travassos, Freitas and Buhrnheim, 1966) - Caranx hippos
- Tubulovesicula lindbergi (Layman, 1930) Yamaguti, 1934 - Acipenser transmontanus, Anoplarchus purpureus, Citharichthys sordidus, C. stigmaeus, Cymatogaster aggregata, Echeneis naucrates, Enophris bison, Eopsetta jordani, Gadus macrocephalus, Gasterosteus aculeatus, Hemilepidotus hemilepidotus, Hippoglossus stenolepis, Hyperprosopon ellipticum, Hypsopsetta guttulata, Isopsetta isolepis, Lepidopsetta bilineata, Leptocottus armatus, Oligocottus maculosus, Oncorhynchus gorbuscha, O. keta, O. kisutch, O. nerka, O. tschawytscha, Ophiodon elongatus, Paralichthys californica, Parophris vetulus, Platichthys stellatus, Porichthys notatus, Psettichthys melanostictus, Scorpaenichthys marmoratus, Sebastes aleutianus, S. alutus, S. brevispinis, S. caurinus, S. maliger, S. melanops, S. nigrocinctus, S. paucispinis, S. pinniger, Synchirus gilli, Syngnathus leptorhynchus, Theragra chalcogramma
- Tubulovesicula nanaimoensis (McFarlane, 1936) Manter, 1947 - Oncorhynchus kisutch

HETEROPHYIDAE

- Adleriella minutissima (Witenberg, 1929) Wittenberg, 1930 - Mugil cephalus
- Apophallus sp. - Oncorhynchus gorguscha, O. keta, Salmo clarki
- Apophallus bacalloti Morozov, 1852 - Gasterosteus aculeatus
- Ascocotyle angrense Travassos, 1930 - Atherinops affinis, Fundulus parvipinnis

DIGenea (continued)

Heterophyidae (continued)

- Ascocotyle sexidigita Martin and Steele, 1970 - Fundulus parvipinnis,
Gillichthys mirabilis
- Centrocestus asadai Mishima, 1959 - Acanthogobius flavimanus, Mugil cephalus
- Cercarioides humbargari (Park, 1936) Dubois and Mahon, 1959 - Atherinops affinis
- Cryptocotyle concavum (Creplin, 1825) Fiscoeder, 1903 - Gasterosteus aculeatus
- Cryptocotyle lingua (Creplin, 1825) Fiscoeder, 1903 - Clupea harengus
- Euhaplorchis californiensis Martin, 1950 - Fundulus parvipinnis
- Galactosomum sp. - Ammodytes hexapterus, Cymatogaster aggregata,
Hexagrammos lagocephalus, Oncorhynchus keta
- Galactosomum humbargari Park, 1936 - Leuresthes tenuis
- Haplorchis microrchis (Katsuta, 1932) Chen, 1936 - Mugil cephalus
- Haplorchis yokogawai (Katsuta, 1932) Chen, 1936 - Mugil cephalus
- Heterophyes heterophyes (Siebold, 1853) Stiles and Hassall, 1900 -
Mugil cephalus
- Heterophyes katuradai Ozaki and Asada, 1925 - Mugil cephalus
- Heterophyes nocens Onji and Nishio, 1916 - Acanthogobius flavimanus
Mugil cephalus
- Heterophyopsis continua (Onji and Nishio, 1916) Price, 1940 - Mugil cephalus
- Metagonimus minutus Katsuta, 1932 - Mugil cephalus
- Metagonimus yokogawai (Katsurada, 1912) Katsurada, 1913 - Acanthogobius flavimanus, Mugil cephalus
- Phagicola longa (Ransom, 1920) Price, 1932 - Mugil cephalus
- Phocitreum ovale Martin, 1950 - Fundulus parvipinnis
- Procerovum varium Onji and Nishio, 1916 - Acanthogobius flavimanus,
Mugil cephalus
- Pseudogalactosoma macrostoma Yamaguti, 1942 - Acanthogobius flavimanus,
Mugil cephalus
- Pygidiopsis summa Onji and Nishio, 1916 - Acanthogobius flavimanus,
Mugil cephalus
- Pygidiopsoides spindalis Martin, 1951 - Fundulus parvipinnis
- Stellantchasmus falcatus Onji and Nishio, 1915 - Acanthogobius flavimanus, Mugil cephalus
- Stictodora fuscata (Onji and Nishio, 1916) - Acanthogobius flavimanus,
Mugil cephalus
- Stictodora hancocki (Martin, 1950) Witenberg, 1953 - Fundulus parvipinnis,
Gillichthys mirabilis
- Stictodora perpendiculara (Onji and Nishio, 1916) Yamaguti, 1958 -
Acanthogobius flavimanus, Mugil cephalus
- Stictodora sawakinesis Looss, 1899 - Mustelus californicus

HIRUDINELLIDAE

- Hirudinella - Auxis thazard
- Hirudinella ampullacea (Buttel-Reepen, 1900) Skrjabin and Guschanska,
1957 - Istiophorus platypterus
- Hirudinella clavata (Menzies, 1791) Blainville, 1828 - Coryphaena hippurus,
Euthynnus pelamis, Thunnus thunnus, Xiphias gladius

DIGENEA (continued)

HIRUDINELLIDAE (continued)

- Hirudinella fusca (Bosc 1802) Manter, 1926 - Makaira nigricans,
Thunnus alalunga, T. albacores, Xiphias gladius
Hirudinella marina Garcin, 1730 - Coryphaena hippurus, Euthynnus
lineatus, E. pelamis, Istiophorus platypterus, Thunnus albacores,
T. thunnus
Hirudinella oxysona Guiart, 1938 - Thunnus alalunga
Hirudinella poirieri (Moniez, 1891) Dollfus, 1935 - Thunnus alalunga
Hirudinella spinulosa Yamaguti, 1938 - Euthynnus affinis, Istiophorus
platypterus, Makaira nigricans, Thunnus alalunga, T. albacores, T.
thunnus
Hirudinella ventricosa (Pallas, 1774) Baird, 1853 - Coryphaena hippurus
Uroproctinella attenuata Hafeesullah, 1971 - Thunnus albacores

HOMALOMETRIDAE

- Homalometron caballeroi Lamothe-Argumedo, 1965 - Balistes polylepis
Myzotus vitellosus Manter, 1940 - Caulolatilus princeps

ISOPARORCHIIDAE

- Isoparorchis hypselobargi (Billet, 1898) Ejsmont, 1932 - Oncorhynchus
keta

LAMPRITREMATIDAE

- Lampritrema nipponicum Yamaguti, 1940 - Oncorhynchus gorbuscha,
O. nerka

LECITHOCHIRIIDAE

- Gen. and sp. - Theragra chalcogramma

LEPOCREADIIDAE

- Bianium plicatum (Linton, 1928) Stunkard, 1930 - Diodon hystrix
Cephalolepidapedon saba Yamaguti, 1970 - Scomber japonicus
Echeneidocoelium indicum Simha and Pershad, 1964 - Echeneis naucrates,
Remora remora
Labrifer balli Arai, 1971 - Zalembeus rosaceus
Labrifer secundus Manter, 1940 - Pimelometopon pulchrum
Lepidapedon sp. - Mycteroperca sp.
Lepidapedon antimorae McCauley, 1968 - Antimora microlepis
Lepidapedon calli Acena, 1947 - Microstomus pacificus, Parophrys
vetulus
Lepidapedon cascadenis McCauley, 1968 - Coryphaenoides filifer,
C. leptolepis
Lepidapedon elongatum Lebour, 1908 - Sebastes mystinus, S. nebulosus
Lepidapedon epinepheli Bravo-Hollis and Manter, 1957 - Epinephelus
analogus
Lepidapedon filiformis McCauley, 1968 - Coryphaenoides filifer
Lepidapedon gadi (Yamaguti, 1934) Acena, 1947 - Gadus macrocephalus,
Hippoglossus stenolepis, Lepidopsetta bilineata, Theragra chalcogramma

DIGENEA (continued)

LEPOCREADIIDAE (continued)

- Lepidapedon hancocki Manter, 1940 - Epinephelus analogus, Mycteroperca xenarcha
- Lepidapedon luteum abyssensis McCauley, 1968 - Coryphaenoides sp., C. acrolepis, C. filifer, C. leptolepis
- Lepidapedon microtyleum (Odhner, 1905) Yamaguti, 1958 - Theragra chalcogramma
- Lepidapedon nicolli Manter, 1934 - Epinephelus niveatus
- Lepidapedon oregonensis McCauley, 1968 - Coryphaenoides filifer, C. leptolepis
- Lepidapedon yaquina McCauley, 1968 - Coryphaenoides filifer, C. leptolepis
- Lepocreadium sp. - Atherinopsis californiensis, Leuresthes tenuis
- Lepocreadium bimarinum Manter, 1940 - Pimelometopon pulchrum
- Lepocreadium bravoae Lamothe-Argumedo, 1965 - Balistes polylepis
- Lepocreadium californianum Edwards and Nahhas, 1968 - Roccus saxatilis
- Lepocreadium ghanensis Fischthal and Thomas, 1970 - Scomber japonicus
- Lepocreadium scomбри (Yamaguti, 1938) Ching, 1960 - Scomber japonicus
- Neolabrifera bravoae Pritchard, 1972 - Pimelometopon pulchrum
- Neolepidapedon medialunae Montgomery, 1957 - Medialuna californiensis
- Neolepidapedon pugetense (Acena, 1947) Yamaguti, 1971 - Sebastes caurinus, S. nebulosus
- Neolepidapedon retrusum (Linton, 1940) Sogandares-Bernal and Hutton, 1960 - Scomber japonicus
- Neolepidapedon sebastisci (Yamaguti, 1938) Manter, 1954 - Sebastes aleutianus, S. alutus, S. babcocki, S. helvomaculatus, S. paucispinis, S. pinniger, S. ruberrimus, S. zacentrus
- Neophasis oculata (Levinsen, 1881) Miller, 1941 - Hexagrammos lagocephalus
- Opechona alaskensis Ward and Fillingham, 1934 - Porichthys notatus, Sebastes aleutianus, S. alutus, S. flavidus, S. maliger, S. pinniger, S. ruberrimus, S. zacentrus, Theragra chalcogramma
- Opechona bacillaris (Mölin, 1859) Looss, 1907 - Clupea harengus, Scomber japonicus, Sebastes sp.
- Opechona occidentalis Montgomery, 1957 - Sebastes sp., S. alutus, S. atrovirens, S. caurinus, S. chrysomelas, S. elongatus, S. flavidus, S. maliger, S. nebulosus, Syngnathus leptorhynchus
- Opechona olssoni (Yamaguti, 1934) Yamaguti, 1938 - Scomber japonicus
- Opechona orientalis (Layman, 1930) Ward and Fillingham, 1934 - Girella nigricans, Scomber japonicus, Sebastes sp.
- Opechona parvasoma Ching, 1960 - Sebastes melanops
- Opechona pharyngodactyla Manter, 1940 - Trachinotus rhodopus
- Opechona theragrae - Sebastes maliger
- Pseudocreadium diodontis (Nahhas and Cable, 1964) Yamaguti, 1971 - Diodon hystrix

MICROPHALLIDAE

- Pseudomegalophallus diodontis (Siddigi and Cable, 1960) Yamaguti, 1971 - Diodon hystrix

DIGENEA (continued)

MONORCHIIDAE

- Asymphyllodora atherinopsidis Annereaux, 1947 - Atherinopsis californiensis,
Leuresthes tenuis
Lasiotocus sp. - Amphistichus argenteus, Hyperprosopon argenteum
Lasiotocus albulae Overstreet, 1969 - Albula vulpes
Lasiotocus glebulentus Overstreet, 1971 - Mugil cephalus
Lasiotocus longicaecum (Manter, 1940) Yamaguti, 1954 - Anisotremus
 davidsoni, Balistes polylepis
Lasiotocus mugilis Overstreet, 1969 - Mugil cephalus
Lasiotocus oculatus (Manter and Pritchard, 1961) Yamaguti, 1970 -
Albula vulpes
Monorcheides alexanderi Arai, 1962 - Paralabrax clathratus
Monorchis sp. - Amphistichus argenteus
Postmonorchis donacis Young, 1953 - Cymatogaster aggregata, Embiotoca
 jacksoni, Menticirrhus donacis, Micrometrus minimus, Roncador
 stearnsi
Telolecithus pugetensis Lloyd and Guberlet, 1932 - Amphistichus
 argenteus, Cymatogaster aggregata, Damalichthys vacca, Embiotoca
 jacksoni, E. lateralis, Hyperprosopon anale, Hyperprosopon
 argenteum, Phanerodon furcatus, Rhacochilus toxotes, Sebastes sp.

NANOPHYETIDAE

- Nanophyetus salmincola (Chapin, 1926) Chapin, 1927 - Lampetra tridentata,
Oncorhynchus keta, O. kisutch, O. tschawytscha, Salmo clarki, S.
 gairdneri

OPECOELIDAE

- Alloanomalotrema ghanensis (Fischthal and Thomas, 1970) Yamaguti, 1971 -
Caranx hippos
Allopodocotyle lepomis (Dobrovolny, 1939) Pritchard, 1966 - Liparis
 fucensis
Cainocreadium gasterostei (Brovien, 1932) - Gasterosteus aculeatus
Crowcrocoecum testiobliquum Wisniewski, 1933 - Salmo gairdneri
Dactylostomum winteri Caballero and Caballero, 1971 - Paralabrax
 maculofasciatus
Decemtestis azumae (Layman, 1930) Yamaguti, 1934 - Hippoglossoides
 elassodon, Platichthys stellatus
Eurycreadium vitellosum Manter, 1934 - Microstomus pacificus
Genitocotyle acirra Park, 1937 - Amphistichus argenteus, A. koelzi,
A. rhodoterus, Cymatogaster aggregata, Damalichthys vacca, Embiotoca
 lateralis, Gibbonsia metzi, Hyperprosopon anale, H. argenteum, H.
 ellipticum, Micrometrus minimus, Parophrys vetulus, Phanerodon
 furcatus, Scorpaenichthys marmoratus, "Sole", Umbrina roncador
Genitocotyle heterostichi Montgomery, 1957 - Heterostichus rostratus
Hamacreadium bolivari Caballero and Caballero, 1970 - Paralabrax
 maculofasciatus
Hamacreadium mutabile Linton, 1910 - Mycteroperca xenarcha
Helicometra sp. - Sebastes maliger
Helicometra pretiosa Bravo-Hollis and Manter, 1957 - Paralabrax
 maculofasciatus

DIGENEA (continued)

OPECOELIDAE (continued)

- Helicometrina sp. - Sebastes alutus
Helicometrina elongata Noble and Park, 1937 - Amphistichus argenteus,
Clinocottus analis, Gibbonsia sp., G. elegans, G. metzi, Girella
nigricans, Gobiesox maeandricus, Neoclinus uninotatus, Scorpaena
guttata
Helicometrina fasciata (Rudolphi, 1819) Odhner, 1902 - Paralabrax
maculofasciatus
Helicometrina nimia Linton, 1910 - Amphistichus argenteus, Clinocottus
analis, Coryphaena hippurus, Embiotoca jacksoni, E. lateralis,
Epinephelus analogus, Gibbonsia elegans, Leptocottus armatus,
Menticirrhus undulatus, Paralabrax clathratus, P. maculofasciatus,
P. nebulifer, Scorpaenichthys marmoratus, Sebastes atrovirens,
S. chrysomelas, S. rastrelliger, S. serriceps, S. vexillaris,
Synodus lucioceps, Xenistius latifrons
Neohelicometra pleurogrammi (Baeva, 1968) Sekerak and Arai, 1974 -
Hexagrammos decagrammus
Neohelicometra sebastis Sekerak and Arai, 1974 - Sebastes aleutianus,
S. alutus, S. babcocki, S. caurinus, S. diploproa, S. flavidus, S.
helvomaculatus, S. maliger, S. nebulosus, S. nigrocinctus, S. reedi,
S. ruberrimus, S. zacentrus
Neopodocotyloides pedunculatus (Park, 1937) Pritchard, 1966 - Leptocottus
armatus, Oligocottus maculosus, Pholis ornata
Neopodocotyloides sinusaccus (Ching, 1960) Pritchard, 1966 - Blepsias
cirrhusus, Gasterosteus aculeatus, Hemilepidotus hemilepidotus,
Hexagrammos lagocephalus, Leptocottus armatus, Parophrys vetulus,
Sebastes maliger, Syngnathus leptorhynchus, Theragra chalcogramma
Opecoelina pharynmagna Annereaux, 1943 - Sebastes nebulosus
Opecoelina radifistuli (Acena, 1941) Manter, 1947 - Sebastes elongatus
Opecoelina theragrae Lloyd, 1938 - Theragra chalcogramma
Opecoeloides sp. - Coryphaena hippurus, Leptocottus armatus
Opecoeloides eucinostomi (Manter, 1940) Von Wicklen, 1946 - Polydactylus
approximans
Opecoelus adsphaericus Manter and Van Cleave, 1951 - Cebidichthys sp.,
Clinocottus analis, Girella nigricans
Opecoelus inimici Yamaguti, 1934 - Paralabrax nebulifer
Opecoelus mexicanus Manter, 1940 - Paralabrax maculofasciatus
Opecoelus minor Yamaguti, 1934 - Sebastes atrovirens
Opecoelus noblei Banerjee, 1965 - Sebastes sp., S. chrysomelas
Opecoelus xenistii Manter, 1940 - Xenistius californiensis
Opegaster sp. - Trachurus symmetricus
Opegaster cameroni Caballero and Caballero, 1969 - Clinocottus analis,
Girella nigricans
Opegaster paraprastipomatis Yamaguti, 1938 - Trachinotus rhodopus
Ozaki orthorchis (Ozaki, 1926) Wisniewski, 1934 - Acanthogobius
flavimanus
Pellamyzon sebastodis Montgomery, 1957 - Sebastes atrovirens, S.
serriceps
Plagioporus angusticolle (Hausmann, 1896) Dobrovolny, 1939 - Salmo
gairdneri
Plagioporus isaitschikowi (Layman, 1930) Yamaguti, 1938 - Paralabrax
clathratus

DIGenea (continued)

OPECOELIDAE (continued)

- Plagioporus shawi (McIntosh, 1939) Margolis, 1970 - Oncorhynchus kisutch, O. nerka, Salmo clarki, S. gairdneri
- Plagioporus siliculus Sinitsin, 1931 - Salmo clarki
- Podocotyle sp. - Agonus acipenserinus, Aprodon cortezianus, Ascelichthys rhodorus, Blepsias cirrhosus, Cebidichthys violaceus, Clinocottus analis, C. globiceps, Eopsetta jordani, Gibbonsia sp., Hemilepidotus spinosus, Hexagrammos sp., H. decagrammus, H. lagocephalus, Leptocottus armatus, Oligocottus snyderi, Pholis taeta, Scorpaenichthys marmoratus, Sebastes aleutianus, S. alutus, S. babcocki, S. brevispinis, S. diploproa, S. elongatus, S. flavidus, S. goodei, S. helvomaculatus, S. maliger, S. paucispinis, S. pinniger, S. proriger, S. reedi, S. ruberrimus, S. wilsoni, S. zacentrus
- Podocotyle abitionis McFarlane, 1936 - Sebastes sp., S. maliger
- Podocotyle apodichthysi Park, 1937 - Apodichthysi flavidus, Gasterosteus aculeatus
- Podocotyle atomon (Rudolphi, 1802) Odhner, 1905 - Aulorhynchus flavidus, Blepsias cirrhosus, Clinocottus globiceps, Gadus macrocephalus, Gasterosteus aculeatus, Hexagrammos decagrammus, H. lagocephalus, Hippoglossoides elassodon, Hippoglossus stenolepis, Lepidopsetta bilineata, Leptocottus armatus, Liparis fucensis, Oncorhynchus gorbuscha, Platichthys stellatus, Porichthys notatus, Reinhardtius hippoglossoides, Sebastes wilsoni, Syngnathus leptorhynchus, Xiphister atropurpureus
- Podocotyle blennicotusi Park, 1937 - Agonopsis emmelane, Clinocottus globiceps, Gasterosteus aculeatus, Leptocottus armatus, Liparis fucensis, L. pulchellus, Lycodopsis pacificus
- Podocotyle californica Park, 1937 - Amphistichus koelzi, Anoplarchus purpureus, Ascelichthys rhodorus, Clinocottus analis, C. globiceps, Enophrys bison, Hemilepidotus spinosus, Oligocottus maculosus, O. snyderi, Scorpaenichthys marmoratus, Xiphister atropurpureus, X. mucosus
- Podocotyle elongata Park, 1937 - Clinocottus analis, C. globiceps, Sebastes paucispinis, Xiphister atropurpureus
- Podocotyle enophrysi Park, 1937 - Arteidius notospilotus, Ascelichthys rhodorus, Enophrys bison, Liparis fucensis, Oncorhynchus gorbuscha, Scorpaenichthys marmoratus, Syngnathus leptorhynchus
- Podocotyle gibbonsiae Johnson, 1949 - Agonopsis emmelane, Eopsetta jordani, Gibbonsia elegans, Gobiesox maeandricus, Lepidopsetta bilineata, Lycodopsis pacificus, Oncorhynchus gorbuscha
- Podocotyle kofoidi Park, 1937 - Clinocottus globiceps
- Podocotyle levenseni Isaitschikov, 1928 - Liparis fucensis
- Podocotyle olssoni Odhner, 1905 - Leptocottus armatus
- Podocotyle reflexa (Creplin, 1825) Odhner, 1905 - Agonus acipenserinus, Blepsias cirrhosus, Clinocottus globiceps, Clupea harengus, Gadus macrocephalus, Gasterosteus aculeatus, Hexagrammos lagocephalus, Hippoglossus stenolepis, Leptocottus armatus, Pleurogrammus monoptyerygius, Syngnathus leptorhynchus, Theragra chalcogramma, Xiphister atropurpureus
- Pseudopecoeloides carangis (Yamaguti, 1938) Yamaguti, 1940 - Caranx hippos
- Pseudopecoelus sp. - Apodichthys flavidus
- Pseudopecoelus gibbonsiae Manter and Van Cleave, 1951 - Gibbonsia metzi

DIGenea (continued)

OPECOELIDAE (continued)

- Pseudopecoelus japonicus (Yamaguti, 1938) Von Wicklen, 1946 - Zenopsis nebulosus
Pseudopecoelus umbrinae Manter and Van Cleave, 1951 - Amphistichus argenteus, Cymatogaster aggregata, Roncador stearnsi, Umbrina roncador
Pseudopecoelus vulgaris (Manter, 1934) - Von Wicklen, 1936 - Anoplopoma fimbria, Lycodopsis pacificus

OPISTHOLEBETIDAE

- Heterolebes maculosus Ozaki, 1935 - Chilomycterus affinis, Diodon hystrix
Maculifer chilomycteri Yamaguti, 1959 - Chilomycterus affinis
Opistholebes cotylophorus Ozaki, 1935 - Chilomycterus affinis, Diodon hystrix
Opistholebes diodontis Cable, 1956 - Diodon hystrix
Pachycreadium gastrocotylum (Manter, 1940) Manter, 1954 - Calamus brachysomus
Pseudoheterolebes chilomycteri Yamaguti, 1959 - Chilomycterus affinis

PLEORCHIDAE

- Pleorchis californiensis Manter and Van Cleave, 1951 - Cynoscion nobilis
Pleorchis magniporus Arai, 1962 - Cynoscion nobilis, C. parvipinnis

PTYCHOGONIMIDAE

- Ptychogonimus megastomus (Rudolphi, 1819) Luhe, 1900 - Prionace glauca

RENICOLIDAE

- Renicola sp. - Clupea harengus
Renicola buchanani (Martin and Gregory, 1951) - Fundulus parvipinnis, Gillichthys mirabilis
Renicola cerithidicola Martin, 1971 - Fundulus parvipinnis

RHIPIOCOTYLE

- Rhipidocotyle pentagonum (Ozaki, 1924) Ekmann, 1932 - Euthynnus affinis

RUGOGASTRIDAE

- Rugogaster hydrolagi Schell, 1973 - Hydrolagus colliei

SANGUINICOLIDAE

- Aporocotyle macfarloni Holmes, 1971 - Sebastes sp., S. atrovirens, S. caurinus, S. chrysomelas, S. flavidus, S. maliger, S. melanops, S. pinniger
Aporocotyle simplex Odhner, 1900 - Hippoglossoides elassodon
Cardicola ahi Yamaguti, 1970 - Thunnus obesus
Cardicola alseae Meade and Pratt, 1965 - Salmo clarki, S. gairdneri
Cardicola congruenta Lebedev and Mamaev, 1968 - Euthynnus affinis

DIGENEA (continued)

SANGUNICOLIDAE (continued)

Cardicola davis (Wales, 1958) Meade and Pratt, 1965 -

Salmo clarki, S. gairdneri

Cardicola klamathensis (Wales, 1958) Meade and Pratt, 1965 -

Salmo clarki

Cardicola mugilis Yamaguti, 1970 - Mugil cephalus

Cardicola tropicus (Manter, 1940) Short, 1953 - Spherooides annulatus

Plethorhynchis acanthus Martin, 1975 - Mugil cephalus

Psettarium sebastodorum Holmes, 1971 - Sebastes aleutianus, S. alutus,

S. atrovirens, S. auriculatus, S. aurora, S. babcocki, S. brevispinis,

S. carnatus, S. caurinus, S. chrysomelas, S. crameri, S. diploproa,

S. flavidus, S. helvomaculatus, S. maliger, S. melanops, S. nigrocinctus,

S. paucispinis, S. pinniger, S. proriger, S. reedi, S. serriceps, S.

zacentrus

Sanguinicola idahoensis Schell, 1974 - Salmo gairdneri

SCLERODISTOMATIDAE

Sclerodistomum bravoae Pritchard, 1963 - Diodon hystrix

Sclerodistomum diodontis Yamaguti, 1942 - Diodon hystrix

Sclerodistomum spherooides Manter, 1947 - Diodon hystrix

SPIRORCHIDAE

Gen. and sp. - Cetorhinus maximus

STEGANODERMATIDAE

Pseudochetosoma salmonicola Dollfus, 1951 - Salmo gairdneri

Steganoderma formosum Stafford, 1904 - Hemilepidotus hemilepidotus

STRIGEIDAE

Apatemon gracilis (Rudolphi, 1819) Szidat, 1928 - Gasterosteus aculeatus

Cotylurus erraticus (Rudolphi, 1809) Szidat, 1928 - Salmo gairdneri

Cotylurus pileatus (Rudolphi, 1802) Dubois, 1937 - Gasterosteus aculeatus

SYNCOELIDAE

Capiatestes thyrstae Crowcroft, 1948 - Brama japonica

Syncoelium filiferum (Leuckart in Sars, 1885) Looss, 1899 - Euthynnus pelamis, Oncorhynchus gorbusha, O. kisutch, O. nerka, Sebastes

aleutianus, S. alutus, S. brevispinis, S. flavidus, S. pinniger,

S. proriger, Thunnus alalunga

WARTREMATIDAE

Magasole kyphosi Sogandares - Bernal, 1959 - Kyphosus analogus

Myodera medialunae Montgomery, 1957 - Medialuna californiensis

DIGENEA (continued)

WARTREMATIDAE (continued)

Scorpidicola californiensis Montgomery, 1957 - Medialuna californiensis
Vitellibaculum girellae Montgomery, 1957 - Girella nigricans

ZOOGONIDAE

Deretrema cholaeum McFarlane, 1936 - Sebastes sp., S. caurinus, S. elongatus, S. maliger, S. nigrocinctus, S. paucispinis, S. ruberrimus

Deretrema pooli Annereaux, 1947 - Sebastes sp.

Diphtherostomum albulae Overstreet, 1969 - Albula vulpes

Diphtherostomum macrosaccum Montgomery, 1957 - Neoclinus uninotatus

Diphtherostomum microacetabulum Yamaguti, 1938 - Hippoglossoides

elassodon, Lepidopsetta bilineata

Diplangus triradiatus Manter and Van Cleave, 1951 - Menticirrhus

undulatus, Roncador stearnsi, Umbrina roncadore

Lepidophyllum cameroni Arai, 1969 - Hemilepidotus hemilepidotus

Lepidophyllum pleuronectini Zhukov, 1957 - Hippoglossoides elassodon

Neozoogonus californicus Arai, 1954 - Cymatogaster aggregata,

Damalichthys vacca, Embiotoca jacksoni, E. lateralis, Hypsurus

caryi, Micrometrus minimus, Phanerodon furcatus, Rhacochilus toxotes,

Zalambius rosaceus

Pseudozoogonoides microacetabulum (Schulman - Albowa, 1952) Zhukov, 1957

- Lepidopsetta bilineata

Steganoderma ? sp. - Sebastes rastrelliger

Steganoderma formosum Stafford, 1904 - Atheresthes stomias, Gadus

macrocephalus, Hippoglossoides elassodon, Hippoglossus stenolepis,

Lepidopsetta bilineata, Parophrys vetulus, Reinhardtius hippoglossoides,

Sebastes aleutianus, Squalus acanthias, Theragra chalcogramma

Urinatrema aspinosum Schiller, 1956 - Hexagrammos lagocephalus

Urinatrema hirudinaceum Zhukov, 1957 - Hexagrammos lagocephalus

Zoogonoides acanthogobii Yamaguti, 1938 - Acanthogobius flavimanus

Zoogonoides viviparus (Olsson, 1868) Odhner, 1902 - Clinocottus

globiceps, Hippoglossoides elassodon, Lepidopsetta bilineata,

Microstomus pacificus, Oligocottus snyderi, Platichthys stellatus

Zoogonus dextrocirrus Aldrich, 1961 - Isopsetta isolepis Lepidopsetta

bilineata, Lycodopsis pacificus, Microstomus pacificus, Parophrys

vetulus, Rhacochilus toxotes

FUNGI

Gen. and sp. - Lampanyctus ritteri
Ichthyophonus hoferi Plehn and Muslow, 1911 - Clupea harengus

HAPLOSPORIDIA

Dermocystidium salmonis Davis, 1947 - Oncorhynchus tshawytscha

SAPROLEGNIAEAE

Gen. and sp. - Salmo gairdneri
Saprolegnia sp. - Gasterosteus aculeatus, Oncorhynchus keta, O. nerka
Saprolegnia parasitica Coker - Gasterosteus aculeatus

HIRUDINEA

GLOSSIPHONIIDAE

Gen. and sp. - Mugil cephalus

PISCICOLIDAE

Branchellion lobata Moore, 1952 - Galeohinus zyopterus, Mustelus henlei, Notorhynchus maculatus, Raja binoculata, Squalus acanthias, Squatina californica, Triakis semifasciata

Calliobdella nodulifera (Malm). - Squalus acanthias

Levinsenia rectangulata (Levinsen, 1882) Vasilier, 1939 - Gadus macrocephalus, Theragra chalcogramma

Myzobdella sp. - Salmo clarki, S. gairdneri

Piscicola sp. - Sebastes caurinus

Piscicola geometra (Linnaeus, 1761) - Gasterosteus aculeatus, Salmo gairdneri

Piscicola salmositica Meyer, 1946 - Oncorhynchus gorbuscha, O. keta, O. kisutch, O. nerka, O. tschawytscha, Salmo clarki, S. gairdneri

Trachelobdella okae Moore, 1924 - Oncorhynchus keta

ISOPODA

Gnathiid larva - Chromis punctipinnis, Hypsypops rubicunda, Oxylebius pictus, Pimelometopon pulchrum, Scorpaenichthys marmoratus, Sebastes atrovirens, S. carnatus, S. chrysomelas, S. constellatus, S. serranoïdes, S. serriceps

AEGIIDAE

Rocinela belliceps (Stimpson, 1864) Richardson, 1899 - Hydrolagus colliei
Rocinela signata Schioedte and Meinart, 1905 - Thunnus alalunga

CYMOTHOIDAE

Livoneca californica Schioedte and Meinart, 1884 - Cymatogaster aggregata, Engraulis mordax, Leuresthes tenuis
Livoneca convexa Richardson, 1905 - Chloroscombrus orqeuta
Livoneca ovalis - Caranx hippos, Roccus saxatilis
Livoneca vulgaris Stimpson, 1857 - Hyperprosopon argenteum, Anoplopoma fimbria, Ophiodon elongatus, Prionace glauca, Scorpaenichthys marmoratus, Sebastes paucispinis, Synodus lucioceps
Nerocila californica Schioedte and Meinart, 1881 - Engraulis mordax, Heterodentus francisci, Leuresthes tenuis, Myliobatis sp., Paralabrax clathratus, Scorpaena guttata, Triakis semifasciata
Nerocila macleayi White, 1843 - Mola mola
Nerocila orbigny (Guerin-Meneville, 1829-1832) - Mola mola

MOLLUSCA

Gen. and sp. - Gasterosteus aculeatus, Oncorhynchus gorbuscha

UNIONIDAE

Anodonta beringiana Middendorf - Gasterosteus aculeatus, Oncorhynchus nerka, O. tshawytscha

Margaritifera margaritifera (Gould) - Oncorhynchus tshawytscha,

Salmo clarki, S. gairdneri

Unio sp. - Oncorhynchus keta

MONOGENEA

Gen. and sp. - Cynoscion nobilis

ACANTHOCOTYLIDAE

Allacanthocotyla pugetensis (Guberlet, 1934) Yamaguti, 1963 -
Raja binocolata
Pseudoacanthocotyla pacifica (Guberlet, 1937) Yamaguti, 1963 -
Raja binocolata, R. rhina, R. stellulata
Pseudacanthocotyla williamsi Price, 1938 - Sebastes alutus

ALLOPYRAEGRAPHORIDAE

Allopyragraphorus hippos (Hargis, 1956) Yamaguti, 1963 - Caranx hippos

AXINIDAE

Allopseudaxine katsuonis (Ishii, 1936) Yamaguti, 1943 - Euthynnus pelamis
Allopseudaxine macrova (Unnithan, 1957) Yamaguti, 1963 - Euthynnus affinis
Allopseudaxine vagans (Ishii, 1936) Price, 1962 - Euthynnus pelamis
Axine cypseluri (Meserve, 1938) Sproston, 1946 - Cypselurus californicus
Heteraxine argentea (Crane, 1972) Crane, 1974 - Sphyraena argentea
Sibitrema poonui Yamaguti, 1966 - Thunnus obesus
Zeuxapta seriolae (Meserve, 1938) Yamaguti, 1963 - Seriola dorsalis

CALCEOSTOMATIDAE

Paracalceostoma calceostomoides Caballero and Bravo-Hollis, 1960 -
Balistes polylepis

CAPSALIDAE

Ancyrocotyle bartschi Price, 1934 - Naucrates ductor
Ancyrocotyle vallei (Parona and Perugia, 1895) Parona and Monticelli, 1903 - Naucrates ductor
Benedenia sp. - Hexagrammos sp., Istiophorus platypterus
Benedenia derzhavini (Layman, 1930) Meserve, 1938 - Sebastes aleutianus
S. alutus, S. crameri, S. reedi, S. zacentrus
Benedenia hendorffi (Linstow, 1889) Odhner, 1905 - Coryphaena hippurus
Benedenia melleni (MacCallum, 1927) Johnston, 1929 - Naucrates ductor,
Paralabrax maculofasciatus, Sphoeroides annulatus
Caballerocotyla abidjani Bussieras and Baudin - Laurencin, 1970 -
Thunnus albacores
Caballerocotyla albsmithi Dollfus, 1962 - Thunnus thunnus
Caballerocotyla biparasitica (Goto, 1894) Price, 1960 - Thunnus albacores, T. obesus
Caballerocotyla gregalis Wagner and Carter, 1967 - Sarda chiliensis
Caballerocotyla katsuoni (Ishii, 1936) Price, 1960 - Euthynnus pelamis
Caballerocotyla klawei Stunkard, 1962 - Thunnus albacores, T. obesus
Caballerocotyla magronum (Ishii, 1936) Price, 1960 - Thunnus thunnus

MONOGENEA (continued)

CAPSALIDAE (continued)

- Caballerocotyla manteri affinis Mamaev, 1968 - Auxis thazard,
Euthynnus affinis
Caballerocotyla marielenae Lamothe - Argumedo, 1968 - Istiophorus
platypterus
Caballerocotyla notosinense Mamaev, 1968 - Euthynnus affinis
Caballerocotyla paucispinosa Mamaev, 1968 - Euthynnus affinis,
Thunnus thunnus
Caballerocotyla pseudomagronum Bussieras, 1972 - Thunnus obesus
Caballerocotyla verrucosa Bussieras, 1972 - Thunnus albacores,
T. obesus
Capsala sp. - Istiophorus platypterus
Capsala cephalae (Risso, 1826) St. Remy, 1898 - Mola mola
Capsala cutanea (Guiart, 1938) Sproston, 1948 - Mola mola
Capsala gotoi Yamaguti, 1968 - Thunnus albacores, T. obesus
Capsala grimaldii (Guiart, 1938) Sproston, 1948 - Mola mola
Capsala interrupta (Monticelli, 1891) Price, 1938 - Thunnus thunnus
Capsala laevis (Verrill, 1874) Johnston, 1929 - Coryphaena hippurus,
Xiphias gladius
Capsala lintoni Price, 1939 - Euthynnus pelamis
Capsala maculata (Martiniere, 1787) - Mola mola
Capsala martinieri Bosc, 1811 - Mola mola
Capsala molae (Blanchard, 1847) Johnston, 1929 - Mola mola
Capsala neothunni Yamaguti, 1968 - Thunnus albacores
Capsala nozawae (Goto, 1894) Price, 1938 - Thunnus alalunga, T.
albacores, T. obesus, T. thunnus
Capsala onchidiocotyle (Setti, 1899) Price, 1938 - Thunnus thunnus
Capsala ovalis (Goto, 1894) Price, 1938 - Istiophorus platypterus,
Tetrapterus angustirostris, T. audax
Capsala pelamydis (Taschenberg, 1878) Price, 1938 - Mola mola
Capsala poeyi (Vigueras, 1935) Price, 1938 - Makaira nigricans
Capsala pricei Hidalgo-Escalante, 1958 - Tetrapterus audax
Capsala thynni (Guiart, 1938) Sproston, 1946 - Thunnus alalunga,
T. albacores
Capsaloides cristatus Yamaguti, 1968 - Tetrapterus angustirostris
Capsaloides istiophori Yamaguti, 1968 - Istiophorus platypterus,
Tetrapterus audax
Capsaloides nairagi Yamaguti, 1968 - Tetrapterus angustirostris
Capsaloides sinuatus (Goto, 1894) Price, 1938 - Tetrapterus audax
Capsaloides tetrapteri Yamaguti, 1968 - Tetrapterus angustirostris
Encotyllabe embiotocae, Noble, 1966 - Amphistichus argenteus,
Cymatogaster aggregata
Encotyllabe masu Ishii and Sawada, 1938 - Oncorhynchus kisutch
Entobdella diadema (Monticelli, 1902) Johnston, 1929 - Dasyatis
violacea
Entobdella guberleti (Caballero and Bravo-Hollis, 1962) - Urolophis
halleri
Entobdella hippoglossi (Muller, 1776) Johnston, 1856 - Atheresthes
stomias, Hippoglossus stenolepis
Entobdella pugetensis Robinson, 1961 - Atheresthes stomias
Entobdella rosaceus Crane, 1972 - Zalembeus rosaceus

MONOGENEA (continued)

DICLIDOPHORIDAE

- Bravocotyle sanblassensis Lamothe-Argumedo, 1967 - Cynoscion xanthulus
Choricotyle caulolati (Meserve, 1938) Sproston, 1946 - Caulolatilus princeps
Choricotyle exilis Crane, 1972 - Lyopsetta exilis
Choriocotyle oregonensis McCauley and Smoker, 1969 - Antimora microlepis
Cyclobothrium sp. - Engraulis mordax
Cyclocotyloides pinguis (Linton, 1940) Price, 1943 - Coryphaenoides pectoralis
Diclidophora pugetensis Robinson, 1961 - Atheresthes stomias
Heterobothrium affinis (Linton, 1898) Price, 1936 - Hippoglossus stenolepis

DICLYBOTHRIIDAE

- Paradiclybothrium pacificum Byhovsky and Gussev, 1950 - Acipenser medirostris

DIONCIDAE

- Dioncus agassizi Goto, 1899 - Echeneis naucrates,
Remora brachyptera, R. remora
Dioncus remorae (MacCallum, 1916) Price, 1938 - Caranx hippos,
Echeneis naucrates

DIPLÉCTANIDAE

- Diplectanum americanum Price, 1937 - Steriolepis gigas
Diplectanum amplidiscatum Bravo-Hollis, 1954 - Paralabrax maculofasciatus
Diplectanum collinsi (Mueller, 1936) Price, 1937 - Roccus saxatilis
Rhamnocereus rhamnocereus Monaco, Wood and Mizelle, 1954 - Umbrina roncador

DISCOCOTYLIDAE

- Allodiscocotyla mexicana Caballero and Bravo-Hollis, 1964 - Caranx hippos
Allopseudopisthogyne constricta Yamaguti, 1965 - Lepidocybium flavobrunneum
Anthocotyle americana (MacCallum, 1916) Price, 1943 - Merluccius productus
Cyclocotyloides pinguis (Linton, 1940) Price, 1943 - Coryphaenoides acrolepis, C. filifer
Diplozoon paradoxum Nordmann, 1832 - Gasterosteus aculeatus
Discocotyle sagittata (Leuckart, 1842) Diesing, 1850 - Salmo gairdneri
Discocotyle salmonis Schaffer, 1916 - Salmo gairdneri
Pseudomazocraes monsvaisae Caballero and Bravo-Hollis, 1955 - Balistes polylepis
Pseudopisthogyne lepidocybii Yamaguti, 1965 - Lepidocybium flavobrunneum

MONOGENEA (continued)

DISCOCOTYLIDAE (continued)

- Pseudopisthogynopsis lepidocybii Yamaguti, 1965 - Lepidocybium flavobrunneum
Tagia ecuadori (Meserve, 1938) Sproston, 1946 - Spherooides annulatus
Vallisia oligoplites Hargis, 1957 - Oligoplites saurus
Vallisia riojai Caballero and Bravo-Hollis, 1964 - Caranx hippos

GASTROCOTYLIDAE

- Areotestis sibi Yamaguti, 1965 - Thunnus alalunga, T. albacores,
T. obesus
Churavera macrova Unnithan, 1968 - Euthynnus affinis
Gastrocotyle japonica Ishii and Sawada, 1938 - Scomber japonicus
Lithidocotyle acanthophallus (MacCallum and MacCallum, 1913)
 Sproston, 1946 - Roccus saxatilis
Metapseudaxine ventrosicula Mamaev, 1967 - Euthynnus affinis, Thunnus thunnus
Neothroacocotyle coryphaenae (Yamaguti, 1938) Hargis, 1956 -
Coryphaena hippurus
Pricea minima Chauhan, 1945 - Euthynnus pelamis
Pseudomazocraes monsvaisae Caballero and Bravo-Hollis, 1955 -
Caranx hippos

GYROCOTYLIDAE

- Archigyrodactylus archigyrodactylus Mizelle and Kritsky, 1967 -
Cymatogaster aggregata
Archigyrodactylus atherinops Mizelle and Kritsky, 1967 - Atherinops affinis
Archigyrodactylus leibyi Mizelle and Kritsky, 1967 - Hyperprosopon anale, H. argenteum, H. ellipticum
Gyrodactyloides baueri Kulachkova, 1970 - Clupea harengus
Gyrodactyloides petruschewskii Bykhovsky, 1947 - Clupea harengus
Gyrodactyloides strelkowi Bykhovsky and Poljansky, 1953 - Oncorhynchus gorbuscha, O. keta, O. kisutch, O. nerka
Gyrodactylus sp. - Atherinops affinis, Cymatogaster aggregata,
Fundulus parvipinnis, Leptocottus armatus
Gyrodactylus ackerti Mizelle and Kritsky, 1962 - Platichthys stellatus
Gyrodactylus aculeati Malmberg, 1956 - Gasterosteus aculeatus
Gyrodactylus aggregata Mizelle and Kritsky, 1967 - Cymatogaster aggregata
Gyrodactylus alexanderi Mizelle and Kritsky, 1967 - Gasterosteus aculeatus
Gyrodactylus ammodyti Zhukov, 1960 - Ammodytes hexapterus
Gyrodactylus arcuatus Bykhovsky, 1933 - Gasterosteus aculeatus
Gyrodactylus armatus Crane and Mizelle, 1967 - Leptocottus armatus
Gyrodactylus avalonia Hanel and Threlfall, 1969 - Gasterosteus aculeatus
Gyrodactylus bodegensis Mizelle and Kritsky, 1967 - Clinocottus acuticeps
Gyrodactylus branchius Mizelle and Kritsky, 1967 - Platichthys stellatus
Gyrodactylus brevis Crane and Mizelle, 1967 - Salmo gairdneri

MONOGENEA (continued)

GYROCOTYLIDAE (continued)

- Gyrodactylus bychowskyi Sproston, 1946 - Gasterosteus aculeatus
Gyrodactylus californiensis Mizelle and Kritsky, 1967 - Microgadus proximus
Gyrodactylus canadensis Hanek and Threlfall, 1969 - Gasterosteus aculeatus
Gyrodactylus colemanensis Mizelle and Kritsky, 1967 - Salmo gairdneri
Gyrodactylus corti Mizelle and Kritsky, 1967 - Anarrhichthys ocellatus
Gyrodactylus cranei Mizelle and Kritsky, 1967 - Microgadus proximus
Gyrodactylus doglieli Zhukov, 1960 - Clupea harengus
Gyrodactylus elegans Nordmann, 1832 - Gasterosteus aculeatus,
Gillichthys mirabilis, Ophiodon elongatus, Salmo clarki, S. gairdneri
Gyrodactylus elongatus Mizelle and Kritsky, 1967 - Microgadus proximus
Gyrodactylus groenlandicus Levinsen, 1881 - Pallasina barbata,
Platichthys stellatus
Gyrodactylus groenlandicus pacificus Bykhovsky and Poljansky, 1953 -
Blepsias cirrhosus
Gyrodactylus harengi Malmberg, 1956 - Ammodytes hexapterus, Clupea harengus
Gyrodactylus imperialis Mizelle and Kritsky, 1967 - Gillichthys mirabilis
Gyrodactylus lairdi Hanek and Threlfall, 1969 - Gasterosteus aculeatus
Gyrodactylus lenoki Gussev, 1953 - Oncorhynchus keta
Gyrodactylus marinus Bykhovsky and Poljansky, 1953 - Gadus macrocephalus,
Theragra chalcogramma
Gyrodactylus memorialis Hanek and Threlfall, 1969 - Gasterosteus aculeatus
Gyrodactylus mugilis Rawson, 1973 - Mugil cephalus
Gyrodactylus olsoni Mizelle and Kritsky, 1967 - Gillichthys mirabilis
Gyrodactylus pacificus Mizelle and Kritsky, 1967 - Microgadus proximus
Gyrodactylus perforatus Mizelle and Kritsky, 1967 - Clevelandia ios
Gyrodactylus proximus Bykhovsky and Poljansky, 1953 - Pallasina barbata
Gyrodactylus pterigialis Bykhovsky and Poljansky, 1953 - Theragra chalcogramma
Gyrodactylus pungitii Malmberg, 1964 - Gasterosteus aculeatus
Gyrodactylus rarus Wegener, 1907 - Gasterosteus aculeatus
Gyrodactylus robustus Malmberg, 1956 - Platichthys stellatus
Gyrodactylus rogersi Mizelle and Kritsky, 1967 - Microgadus proximus
Gyrodactylus salaris Malmberg, 1956 - Salmo gairdneri
Gyrodactylus sculpinus Crane and Mizelle, 1967 - Leptocottus armatus
Gyrodactylus stellatus Crane and Mizelle, 1967 - Platichthys stellatus
Gyrodactylus unicopula Gluchowa, 1955 - Platichthys stellatus
Gyrodactylus vancleavi Mizelle and Kritsky, 1967 - Hexagrammos lagocephalus
Polyclithrum mugilini Rogers, 1967 - Mugil cephalus

MONOGENEA (continued).

GYRODACTYLOIDEA

Ammodytes hexapterus, Clupea harengus, Cymatogaster aggregata,
Gasterosteus aculeatus, Oligocottus maculosus, Oncorhynchus kisutch,
Pholis ornata, Platichthys stellatus, Syngnathus leptorhynchus

HETERAXINIDAE

Cemocotyle borinquensis Price, 1962 - Caranx caballus
Cemocotyle noveboracensis Price, 1962 - Carnax hippos
Helixaxine winteri Caballero and Bravo-Hollis, 1965 - Caranx hippos
Heteraxinoides olioplitis (Meserve, 1938) Price, 1962 - Oilgoplites
saurus
Leuresticola olsoni Price, 1962 - Leuresthes tenuis
Zeuxapta seriolae (Meserve, 1938) Price, 1962 - Caranx hippos

HEXABOTHRIIDAE

Erpocotyle abbreviata Olsson, 1876 - Squalus acanthias
Erpocotyle grisea (Cerfontaine, 1900) - Hexanchus griseus, Sphyrna
zygaena
Erpocotyle microstoma (Brooks, 1934) Yamaguti, 1963 - Sphyrna zygaena
Erpocotyle somniosi (Causey, 1926) Price, 1942 - Somnious pacificus
Erpocotyle sphyrnae (MacCallum, 1931) Price, 1942 - Sphyrna lewini,
S. zygaena
Erpocotyle squali (MacCallum, 1931) Price, 1942 - Galeorhinus
zyopterus, Mustelus henlei, Squalus acanthias, Triakis semifasciata
Erpocotyle striata (Miller, 1927) Price, 1942 - Squalus acanthias
Erpocotyle taschenbergi Maillard and Oliver, 1966 - Hexanchus griseus
Erpocotyle tiburonis (Brooks, 1934) Yamaguti, 1963 - Sphyrna tiburo
Heteroncocotyle leucas Hargis, 1955 - Carcharhinus leucas
Hexabothrium appendiculata (Kuhn, 1829) Nordmann, 1840 - Squalus
acanthias
Neoerpocotyle platensis Mane-Garzon, 1968 - Sphyrna zygaena
Pseudohexabothrium rajae Brinkman, 1952 - Mustelus henlei
Rajonchocotyle sp. - Myliobatis californica, Raja binoculata
Rajonchocotyle batis Cerfontaine, 1899 - Raja binoculata
Rhinobatonchocotyle cyclovaginatus Doran, 1953 - Rhinobatis productus

HEXOSTOMATIDAE

Hexostoma sp. - Salmo gairdneri
Hexostoma acutum (Goto, 1894) Sproston, 1946 - Thunnus obesus, Thunnus
thunnus
Hexostoma albsmithi Dollfus, 1962 - Thunnus thunnus
Hexostoma auxisi Palombi, 1943 - Auxis thazard
Hexostoma dissimile (Yamaguti, 1937) Sproston, 1946 - Thunnus thunnus
Hexostoma grossum (Goto, 1894) Sproston, 1946 - Thunnus obesus, T.
thunnus
Hexostoma keokeo Yamaguti, 1968 - Auxis thazard
Hexostoma sibi Yamaguti, 1968 - Thunnus alalunga, T. albacores, T.
obesus
Hexostoma thynni (Delaroche, 1811) Rafinesque, 1815 - Thunnus thunnus
Homostoma chura Unnithan, 1965 - Euthynnus affinis

HEXOSTOMATIDAE (continued)

- Neohexostoma euthynni (Meserve, 1938) Price, 1961 - Euthynnus affinis, E. lineatus
Neohexostoma extensicaudum (Dawes, 1940) Price, 1961 - Thunnus thunnus
Neohexostoma kawakawa Yamaguti, 1968 - Thunnus albacores
Neohexostoma robustum Price, 1961 - Thunnus obesus
Neohexostoma thunninas (Parona and Perugis, 1889) Price, 1961 - Thunnus thunnus

LOIMOIDAE

- Loimosina wilsoni Manter, 1944 - Sphyrna zygaena

MACROVALVITREMATIDAE

- Gen. and sp. - Lampanyctus ritteri
Pseudotagia clathratus Crane, 1972 - Paralabrax clathratus

MAZOCRAEIDAE

- Grubea sp. - Sarda chiliensis
Grubea cochlear Diesing, 1858 - Scomber japonicus
Grubea pneumatophori Price, 1961 - Scomber japonicus
Kuhnia minor (Goto, 1894) Sproston, 1946 - Scomber japonicus
Kuhnia scombri (Kuhn, 1829) Sproston, 1945 - Scomber japonicus
Kuhnia thunni (Ishii, in Ishii and Sawada, 1936) Sproston, 1946 - Thunnus thunnus
Mazocraeoides georgei Price, 1936 - Clupea harengus
Mazocraes harengi (Van Beneden and Hesse, 1863) Nicoll, 1915 - Clupea harengus

MICROBOTHRIIDAE

- Microbothrium apiculatum Olsson, 1869 - Squalus acanthias

MICROCOTYLIDAE

- Aspinatrium acanthogobii (Yamaguti, 1940) Yamaguti, 1963 - Acanthogobius flavimanus
Bivagina punctipinnis Crane, 1972 - Chromis punctipinnis
Metamicrocotyla bora Yamaguti, 1953 - Mugil cephalus
Metamicrocotyla cephalus (Azim, 1939) Hargis, 1954 - Mugil cephalus
Metamicrocotyla filiformis Yamaguti, 1953 - Mugil cephalus
Metamicrocotyla macracantha (Alexander, 1954) Korath, 1955 - Mugil cephalus
Metamicrocotyla mugilis Yamaguti, 1968 - Mugil cephalus
Microcotyle sp. - Cebidichthys violaceus, Ophiodon elongatus, Radulinus asprellus, Sebastes alutus
Microcotyle chiri Goto, 1894 - Hexagrammos decagrammus
Microcotyle eueides MacCallum and MacCallum, 1913 - Roccus saxatilis
Microcotyle macroura MacCallum and MacCallum, 1913 - Roccus saxatilis
Microcotyle pacifica Crane, 1972 - Lycodopsis pacificus
Microcotyle sabastis Goto, 1894 - Hexagrammos lagocephalus, Ophiodon

MONOGENEA (continued)

MICROCOTYLIDAE (continued)

- elongatus, Sebates alutus, S. atrovirens, S. auriculatus, S. carnatus, S. caurinus, S. chlorostictus, S. diploproa, S. elongatus, S. helvomaculatus, S. maliger, S. melanops, S. miniatus, S. nigrocinctus, S. paucispinis, S. proriger, S. saxicola, S. umbrosus, S. wilsoni, S. zacentrus
Microcotyle zalembius Crane, 1972 - Zalembius rosaceus
Microcotyloidea impudicus Caballero, Bravo-Hollis and Grocott, 1955 - Polydactylus approximans
Prosmicrocotyla gotoi (Yamaguti, 1934) Yamaguti, 1958 - Hexagrammos lagocephalus
Pyragraphorus caballeroi Zerecero, 1960 - Caranx hippos
Solostamenides mugilis (Vogt, 1878) Unnithan, 1971 - Mugil cephalus
Solostamenides pseudomugilis (Hargis, 1956) Unnithan, 1971 - Mugil cephalus

MONOCOTYLIDAE

- Gen. and sp. - Rhinobatis productus
Anoplocotyloides papillata (Doran, 1953) Young, 1967 - Rhinobatis productus
Calicotyle ramsayi Robinson, 1961 - Squalus acanthias
Cathariotrema selachii (MacCallum, 1916) Johnston and Tieg, 1922 - Carcharhinus obscurus, Sphyrna zygaena
Heterocotyle minima (MacCallum, 1916) Price, 1938 - Squalus acanthias
Merizocotyle pugetensis Kay, 1942 - Raja binoculata
Spinuris lophosoma Doran, 1953 - Rhinobatis productus

POLYPISTHOCOCTYLEA

- Gen. and sp. - Atherinops affinis

PROTOMICROCOTYLIDAE

- Abortipedia indica Unnithan, 1962 - Caranx hippos
Protomicrocotyle manteri Bravo-Hollis, 1967 - Caranx hippos
Protomicrocotyle mirabilis (MacCallum, 1918) Johnston and Tieg, 1922 - Caranx hippos

PTERINOTREMATIDAE

- Pseudopterinetrema albulae Yamaguti, 1966. - Albula vulpes
Pterinetrema macrostomon Caballero, Bravo-Hollis and Grocott, 1954 - Albula vulpes
Pterinetrema mirabilis Bykhovsky and Nagibina, 1959 - Albula vulpes

TETRAONCIDAE

- Tetraonchus alaskensis Price, 1937 - Oncorhynchus kisutch, O. nerka
Salmo clarki

MONOGENEA (continued)

TROCHOPODINAE

Gen. and sp. - Scorpaena guttata

UDONELLIDAE

Udonella caligorum Johnston, 1835 - Myliobatis californica,
Pleuronichthys decurrens, Psettichthys melanostictus
Udonella ophiodontis (Kay, 1945) Winter, 1955 - Ophiodon elongatus

NEMATODA

ACUARIIDAE

Synhimantus brevicaudatus (Dujardin, 1845) - Gasterosteus aculeatus

ANISAKIDAE

Acanthocheilus bicuspis (Wedl, 1855) York and Maplestone, 1926 -
Squalus acanthias

Acanthocheilus nudiflex Linton, 1900 - Galeocerdo cuvieri, Sphyrna zygaena

Acanthocheilus quadridentatus Molin, 1858 - Apristurus brunneus,
Mustelus henlei, Squalus acanthias

Anisakis sp. - Acipenser transmontanus, Ammodytes hexapterus, Anoplarchus purpurescens, Anoplopoma fimbria, Apodichthys flavidus, Atheresthes stomias, Aulorhynchus flavidus, Auxis thazard, Blepsias cirrhosus, Ceratoscopelus townsendi, Citharichthys sordidus, C. stigmaeus, Clupea harengus, Cololabis saira, Cymatogaster aggregata, Delolepis giganteus, Diaphus theta, Engraulis mordax, Eopsetta jordani, Euthynnus affinis, E. pelamis, Evermanella sp., Gadus macrocephalus, Gasterosteus aculeatus, Glyptocephalus zachirus, Hexagrammos lagocephalus, Hippoglossoides elassodon, Hippoglossus stenolepis, Hydrolagus colliei, Hypomesus pretiosus, Icosteus aenigmaticus, Isopsetta isolepis, Isurus oxyrinchus, Lampanyctus regalis, L. ritteri, Lampris regius, Lepidopsetta bilineata, Leptocottus armatus, Lyopsetta exilis, Macroparalepis sp., Melanostigma pammelas, Merluccius productus, Microstomus pacificus, Mola mola, Oligocottus maculosus, Oncorhynchus gorboscha, O. keta, O. kisutch, O. nerka, O. tschawytscha, Ophiodon elongatus, Parophrys vetulus, Parvilus ingens, Pholis laeta, P. ornata, Platichthys stellatus, Ronquilus jordani, Sardinops sagax caeruleus, Scomber japonicus, Sebastes alutus, S. brevispinis, S. paucispinis, S. pinniger, Serrivomer sector, Squalus acanthias, Stenobranchius leucopsarus, Symbolophorus californiensis, Syngnathus leptorhynchus, Tarletonbeania crenularis, Theragra chalcogramma, Thunnus alalunga, T. thunnus, Trachurus symmetricus, Triphoturus mexicanus, Zenopsis nebulosus

Contraecaecum sp. - Ammodytes hexapterus, Anoplarchus purpurescens, Anoplopoma fimbria, Aprodon cortezianus, Artemius harringtoni, Atherinops affinis, Auxis thazard, Ceratoscopelus townsendi, Chitonotus pugetensis, Clupea harengus, Coryphaena hippurus, Coryphopterus nicholsi, Cymatogaster aggregata, Diaphus theta, Dorosoma petenense, Engraulis mordax, Eopsetta jordani, Euthynnus affinis, E. pelamis, Gadus macrocephalus, Gasterosteus aculeatus, Hexagrammos lagocephalus, Hippoglossoides elassodon, Hippoglossus stenolepis, Hypomesus pretiosus, Icelinus filamentosus, Jordania zonope, Lampanyctus ritteri, Leptocottus armatus, Leuresthes tenuis, Lyopsetta exilis, Macroparalepis sp., Melamphaes acanthomus, Melanostigma pammelas, Merluccius productus, Mugil cephalus, Oligocottus maculosus, Oncorhynchus gorboscha, O. keta, O. kisutch, O. nerka, O. tschawytscha, Parophrys vetulus, Pholis laeta, Platichthys

NEMATODA (continued)

ANISAKIDAE (continued)

Contracaecum sp. (continued) - stellatus, Pleurogrammus monopterygius, Prionace glauca, Psettichthys melanostictus, Raja rhina, Reinhardtius hippoglossoides, Salmo clarki, S. gairdneri, Sardinops sagax caeruleus, Scomber japonicus, Sebastes aleutianus, S. alutus, S. babcocki, S. brevispinis, S. caurinus, S. crameri, S. diploproa, S. elongatus, S. entomelas, S. flavidus, S. goodei, S. helvomaculatus, S. maliger, S. nebulosus, S. nigrocinctus, S. paucispinis, S. pinniger, S. proriger, S. reedi, S. ruberrimus, S. wilsoni, S. zacentrus, Stenobranchius leucopsarus, Syngnathus leptorhynchus, Tarletonbeania crenularis, Thaleichthys pacificus, Theragra chalcogramma, Thunnus alalunga, T. albacores, T. thunnus, Trachurus symmetricus, Triphoturus mexicanus, Zenopsis nebulosus

Contracaecum benimasu Fujita, 1932 - Oncorhynchus keta, O. nerka
Contracaecum brachyurum (Ward and Magath, 1917)-Alosa sapidissima, Roccus saxatilis

Contracaecum cornutum (Stossich, 1904)-Thunnus thunnus

Contracaecum crassicaudatum Fujita, 1939 - Oncorhynchus kisutch

Contracaecum elongatum Fujita, 1939 - Oncorhynchus nerka

Contracaecum fabri (Rudolphi, 1819) - Cololabis saira, Scomber japonicus

Contracaecum hippoglossi Fujita, 1932 - Oncorhynchus kisutch, O. nerka

Contracaecum hypomesi Fujita, 1932 - Clupea harengus, Oncorhynchus gorbusha, O. keta, O. nerka

Contracaecum longispiculum Fujita, 1940 - Oncorhynchus keta

Contracaecum magnum Smedley, 1934 - Apodichthys flavidus, Leptocottus armatus

Contracaecum ochotense Fujita, 1932 - Oncorhynchus nerka

Contracaecum oshoroense Fujita, 1940 - Oncorhynchus keta

Contracaecum plagiostomorum (Linstow, 1905)-Cetorhinus maximus

Contracaecum robustum Chandler, 1935 - Mugil cephalus, Oncorhynchus gorbusha

Contracaecum saba Yamaguti, 1941 - Scomber japonicus

Contracaecum spiculigerum (Rudolphi, 1809)-Mugil cephalus, Oncorhynchus nerka, O. tschawytscha, Salmo gairdneri

Contracaecum tridentatum Fujita, 1939 - Oncorhynchus keta

Contracaecum unidentatum Fujita, 1939 - Oncorhynchus keta

Contracaecum zenopsis Yamaguti, 1941 - Zenopsis nebulosus

Goezia annulata (Mölin, 1859) - Roccus saxatilis

Goezia ascaroides (Goeze, 1782) - Salmo gairdneri

Goezia oncorhynchi Fujita, 1940 - Oncorhynchus keta

Paranisakis sp. - Cyclothone acclinidens, Lampanyctus ritteri

Pseudanisakis rotundata (Rudolphi, 1819) Mozgovoi, 1950 - Lampetra tridentata

Raphidascaris sp. - Echeneis naucrates, Engraulis mordax, Gasterosteus aculeatus, Alosa sapidissima, O. kisutch, O. nerka, O. tschawytscha, Scomber japonicus

Raphidascaris acus (Bloch, 1779)-Gasterosteus aculeatus, Salmo gairdneri

Raphidascaris? adelinae Cond. Franc. 1898 - Mugil Cephalus

Raphidascaris cristata (Linstow, 1872) - Gasterosteus aculeatus

Raphidascaris gracillima (Linstow, 1890) - Gasterosteus aculeatus

Raphidascaroides diadonis (Thwaite, 1927) Olsen, 1952 - Diodon hystrix

NEMATODA (continued)

ANISAKIDAE (continued)

Terranova sp. - Anoplarchus purpurescens, Anoplopoma fimbria, Ceratoscopelus townsendi, Clupea harengus, Gadus macrocephalus, Hippoglossoides elassodon, Lepidopsetta bilineata, Macroparalepis sp., Ophiodon elongatus, Pleurogrammus monoptyerygius, Reinhardtius hippoglossoides, Rhamphocottus richardsonii, Scomber japonicus, Serrivomer sector, Squalus acanthias, Stenobranchius levcopsarus, Theragra chalcogramma, Trachurus symmetricus

Terranova brevicapitata (Linton, 1901) Musgovoy, 1951 - Carcharhinus obscurus, Galeocerdo cuvieri

Terranova decipiens (Krabbe, 1878) Johnston and Mawson, 1945 - Atheresthes stomias, Clupea harengus, Gadus macrocephalus, Hemilepidotus hemilepidotus, Hexagrammos lagocephalus, Hippoglossus stenolepis, Ophiodon elongatus, Sebastes alutus, S. pinniger, Theragra chalcogramma

Terranova galeocerdonis (Thwaite, 1927) Johnston and Mawson, 1945 - Galeocerdo cuvieri

Thynnascaris sp. - Sebastes rubrivinctus

Thynnascaris aduncum (Rudolphi, 1802) Hartwich, 1957, - Atheresthes stomias, Aulorhynchus flavidus, Blepsias cirrhosus, Agonus acipenserinus, Clupea harengus, Cololabis saira, Delolepis giganteus, Eopsetta jordani, Gadus macrocephalus, Gasterosteus aculeatus, Glyptocephalus zachirus, Hexagrammos lagocephalus, Hippoglossoides elassodon, Hypomesus pretiosus, Lepidopsetta bilineata, Merluccius productus, Oncorhynchus gorboscha, O. keta, O. kisutch, O. tschawytscha, Ophiodon elongatus, Parophrys vetulus, Platichthys stellatus, Reinhardtius hippoglossoides, Scomber japonicus, S. aleutianus, S. alutus, S. babcocki, S. brevispinis, S. caurinus, S. crameri, S. diploproa, S. elongatus, S. entomelas, S. flavidus, S. helvomaculatus, S. maliger, S. nebulosus, S. paucispinis, S. pinniger, S. proriger, S. reedi, S. ruberrimus, S. zacentrus, S. acanthias, Theragra chalcogramma, Thunnus thunnus

Thynnascaris histiophori (Yamaguti, 1935) - Istiophorus platypterus

Thynnascaris incurva (Rudolphi, 1819) - Istiophorus platypterus, Xiphias gladius

Thynnascaris legendrei Dollfus, 1933 - Thunnus alalunga

Thynnascaris magnum Smedley, 1934 - Ophiodon elongatus

Thynnascaris melanogrammi (Smedley, 1934) - Merluccius productus

CAMALLANIDAE

Camallanus sp. - Dorosoma petenense

Camallanus lacustris Zoega, 1776 - Gasterosteus aculeatus, Salmo gairdneri

Camallanus melanocephalus (Rudolphi, 1819) - Scomber japonicus, Thunnus albacores, T. thunnus

Camallanus truncatus (Rudolphi, 1814) - Gasterosteus aculeatus

Oncophora albacarensis Baudin - Laurencin, 1972 - Thunnus albacores

Spirocamallanus sp. - Clevelandia ios, Ilypnus gilberti, Quietula y-cauda

Spirocamallanus olseni Campana-Rouget and Razarihelisoa, 1965 - Echeneis naucrates

NEMATODA (continued)

CAMALLANIDAE (continued)

Spirocamallanus pereirai (Annereaux, 1946) Olsen, 1952 - Atherinops affinis, Atherinopsis californiensis, Fundulus parvipinnis, Gillichthys mirabilis, Girella nigricans, Leptocottus armatus, Leuresthes tenuis

CUCULLANIDAE

Bulbodacnitis ampullastoma Maggenti, 1971 - Salmo gairdneri
Cucullanellus kanabus Walder and Arai, 1974 - Cymatogaster aggregata
Cucullanus sp. - Cymatogaster aggregata, Damalichthys vacca,
Lepidopsetta bilineata, Leuresthes tenuis, Mugil cephalus,
Oncorhynchus gorbuscha, Ronquilus jordani, Sebastes aleutianus,
S. alutus, S. babcocki, S. crameri, S. flavidus, S. paucispinis,
S. ruberrimus

Cucullanus annulatus Margolis, 1960 - Parophrys vetulus, Platichthys stellatus

Cucullanus carangis (MacCallum, 1921) Tornquist, 1931 - Caranx hippos

Cucullanus elongatus Smedley, 1933 - Sebastes caurinus, S. maliger,
S. ruberrimus

Cucullanus heterochrous Rudolphi, 1802 - Hippoglossoides elassodon,
Hippoglossus stenolepis, Lepidopsetta bilineata, Platichthys stellatus

Cucullanus orthagorisci (Rudolphi, 1819) - Mola mola

Cucullanus smedleyi Campana-Rouget, 1957 - Ophidon elongatus, Sebastes caurinus

Truttaedacnitis trutta (Fabricius, 1774) Petter, 1974 - Oncorhynchus gorbuscha, O. kisutch, O. nerka, O. tschawytscha, Salmo clarki, S. gairdneri

CYTOOPSIDAE

Cystoopsis acipenseri Wagner, 1867 - Acipenser transmontannus

DIOCTOPHYMIDAE

Eustrongylides sp. - Gasterosteus aculeatus, Lampetra tridentata,
Salmo clarki, S. gairdneri

GENERA INCERTAE SEDIS

Eustoma rotundatum (Rudolphi, 1819) - Squalus acanthias

GNATHOSTOMATIDAE

Echinocephalus pseudouncinatus Millemann, 1951 - Heterodontus francisci
Myliobatus californica

ICHTHYOSTRONGYLIDAE

Ichthyostrongylus thunni Nikolaeva, 1968 - Thunnus albacores

NEMATODA (continued)

LAMPTRITREMATIDAE

Lampritrema nipponicum Yamaguti, 1940 - Brama japonica, Oncorhynchus nerka

PHILOMETRIDAE

Philometra sp. - Cololabis saira, Euthynnus affinis, E. pelamis, Mugil cephalus, Platichthys stellatus, Salmo clarki, S. gairdneri

Philometra americana Kuitunen-Ekbaum, 1933 - Gobiesox maeandricus, Lepidopsetta bilineata, Parophrys vetulus, Pholis laeta, Pholis ornata, Platichthys stellatus, Xiphister atropurpureus

Philometra rubra (Leidy, 1856) - Roccus saxatilis

Philonema sp. - Oncorhynchus kisutch, O. tschawytscha, Salmo gairdneri

Philonema agubernaculum Simon and Simon, 1936 - Salmo gairdneri

Philonema kondai Fujita, 1939 - Oncorhynchus keta

Philonema oncorhynchi Kuitunen-Ekbaum, 1933 - Oncorhynchus gorbusha, O. keta, O. kisutch, O. nerka, O. tschawytscha, Salmo clarki, S. gairdneri

Philonema tenuicauda Fujita, 1939 - Oncorhynchus keta

Phlyctainophora squali Mudry and Dailey, 1961 - Squalus acanthias

PHYSALOPTERIDAE

Proleptus acutus Dujardin, 1845 - Heterodontus francisci, Mustelus californicus, Mustelus henlei, Platyrrhinodis triseriata, Squalus acanthias

Proleptus australis Baylis, 1933 - Galeocerdo cuvieri

Proleptus elegans (Oerley, 1885) - Hexanchus griseus

Proleptus obtusus Dujardin, 1845 - Mustelus henlei, Squalus acanthias,

Triakis semifasciata

PSEUDALIIDAE

Parafilaroides decorus Dougherty and Herman, 1947 - Girella nigricans

SPIRURIDAE

Ascarophis sp. - Echeneis naucrates, Serrivomer sector, Stenobranchius leucopsarus

Ascarophis curvicauda Zhukov, 1960 - Hexagrammos lagocephalus

Ascarophis filiformis Poljansky, 1952 - Gadus macrocephalus

Ascarophis morrhuae Van Beneden, 1871 - Gasterosteus aculeatus

Ascarophis pacificus Zhukov, 1960 - Gadus macrocephalus, Clupea harengus, Lepidopsetta bilineata, Theragra chalcogramma

Ascarophis sebatodis Olsen, 1952 - Anoplarchus purpureus, Artedius

harringtoni, Aulorhynchus flavidus, Hemilepidotus hemipelidotus,

Hexagrammos lagocephalus, Nautichthys oculofasiatus, Oncorhynchus

kisutch, O. nerka, Rhamphocottus richardsonii, Sebastes alutus,

S. caurinus, S. diploproa, S. elongatus, S. flavidus, S. maliger,

S. proriger, S. ruberrimus, S. zacentrus

NEMATODA (continued)

SPIRURIDAE (continued)

Ascarophis skrjabini (Layman, 1933) Poljansky, 1952 - Oncorhynchus gorbuscha, O. keta, Salmo gairdneri, Theragra chalcogramma
Parascarophis galeata (Linton, 1905) Campana-Rouget, 1955 - Sphyrna tiburo
Spiroxys sp. - Roccus saxatilis

SPIRUROIDEA

Gen. and Sp. - Euthynnus pelamis
Ctenascarophis gastricus Mamaev, 1968 - Auxis thazard, Euthynnus affinis
Cystidicola farionis Fischer, 1798 - Gasterosteus aculeatus?, Oncorhynchus gorbuscha, O. kisutch, O. nerka, Salmo gairdneri
Cystidicola hardwoodi - Salmo clarki, S. gairdneri
Cystidicoloides sp. - Salmo clarki
Cystidicoloides tenuissima (Zeder, 1800) Rasheed, 1966 - Gasterosteus aculeatus, Oncorhynchus keta, O. kisutch, O. nerka, Salmo clarki, S. gairdneri
Metabronema laticauda Fujita, 1939 - Oncorhynchus nerka
Metabronema truttae Baylis, 1935 - Salmo gairdneri
Metabronema wardlei Smedley, 1934 - Scorpaenichthys marmoratus
Pontochona caudata Mamaev, 1968 - Thunnus thunnus
Rhabdochona sp. - Salmo clarki
Rhabdochona cascadiella Wigdor, 1918 - Oncorhynchus nerka, Salmo clarki, S. gairdneri
Rhabdochona denudata (Dujardin, 1845) Railliet, 1916 - Salmo gairdneri
Rhabdochona fujii (Fujita, 1921) Fujita 1927 - Oncorhynchus nerka
Rhabdochona kisutchi Margolis, Moravec and MacDonald, 1975 - Oncorhynchus kisutch
Rhabdochona oncorhynchi (Fujita, 1921) Fujita, 1927 - Oncorhynchus keta
Salvelinema ishii (Fujita, 1941) Margolis, 1968 - Oncorhynchus keta
Salvelinema salmonicola (Ishii, 1916) Margolis, 1966 - Oncorhynchus keta, O. nerka
Salvelinema walkeri (Ekbaum, 1935) Margolis, 1967 - Oncorhynchus kisutch, Salmo clarki, S. gairdneri
Spinitectis sp. - Auxis thazard, Cololabis saira
Spinitectis beaveri Overstreet, 1970 - Albula vulpes
Spinitectis echenei Parukhin, 1967 - Echeneis naucrates
Spinitectis gracilis Ward and Magath, 1917 - Oncorhynchus nerka, Salmo gairdneri
Spinitectis? mollis Mamaev, 1968 - Auxis thazard
Sterliadochona pedispicula Maggenti and Paxman, 1971 - Salmo gairdneri
Vasorhabdochona cablei Marin and Zam, 1967 - Gillichthys mirabilis

TRICHURIDAE

Capillaria sp. - Apodichthys flavidus, Aprodon cortezianus, Chitonotus pugetensis, Lepidopsetta bilineata, Oncorhynchus kisutch, O. nerka, O. tschawytscha, Parophrys vetulus, Scomber japonicus, Sebastes alutus, S. babcocki, S. caurinus, S. flavidus, S. maliger, S. nigrocinctus, S. paucispinis, S. ruberrimus

NEMATODA (continued)

TRICHURIDAE (continued)

Capillaria bakeri (Mueller and Van Cleave, 1932) Freitas and Lent, 1935 -

Oncorhynchus kisutch, Salmo clarki, Salmo gairdneri

Capillaria catenata Van Cleave and Mueller, 1932 - Oncorhynchus nerka,

Salmo clarki

Capillaria echenei Parukhin, 1967 - Echeneis naucrates

Capillaria petruschewskii (Schulman, 1948) - Gasterosteus aculeatus

Capillaria salvelini Poljansky, 1952 - Salmo gairdneri

PROTOZOA (CILIOPHORA)

AMPHILEPTIDAE

Litonotus branchiarum (Weinrich, 1925) - Gasterosteus aculeatus

CHLAMYDODONTIDAE

Chilodonella cyprini (Moroff) - Salmo gairdneri

DENDROSOMIDAE

Trichophyra sp. - Oncorhynchus kisutch, Salmo clarki, S. gairdneri

Trichophyra intermedia Prost, 1952 - Gasterosteus aculeatus

Trichophyra piscium Bütschli, 1889 - Salmo gairdneri

EPISTYLIDAE

Epistylis sp. - Mugil cephalus

Epistylis lwoffii Fauré-Fremiet - Gasterosteus aculeatus

OPHRYOGLENIDAE

Cryptocaryon irritans Brown, 1951 - Diodon hystrix, Girella nigricans,
Paralabrax nebulifer

Ichthyophthirius sp. - Gasterosteus aculeatus, Oncorhynchus keta

Ichthyophthirius multifilllis Fouquet, 1876 - Gasterosteus aculeatus,
Oncorhynchus gorbuscha, Salmo gairdneri

SCYPHIDIIDAE

Ambipherya sp. - Leptocottus armatus

Apiosoma sp. - Gastereus aculeatus

Glossatella amebae (Grenfell, 1887) - Gasterosteus aculeatus

Scyphidia sp. - Salmo gairdneri

Scyphidia arctica Zhukov, 1960 - Asterotheca infraspinata,
Radulinus asprellus

URCEOLARIIDAE

Gen. and sp. - Ophiodon elongatus

Trichodina sp. - Acanthogobius flavimanus, Atherinops affinis, Fundulus parvipinnis, Gasterosteus aculeatus, Gillichthys mirabilis, Isopsetta isolepsis, Lepidopsetta bilineata, Leptocottus armatus, Mugil cephalus, Oncorhynchus kisutch, Salmo clarki

Trichodina borealis Shulman and Shulman - Albova, 1953 - Lepidopsetta bilineata

Trichodina cottidarum subsp. cottidarum Lom, 1970 - Oligocottus maculosus

Trichodina davisii Wellborn, 1967 - Roccus saxatilis

Trichodina decipiens Laird, 1961 - Artedius fenestralis

Trichodina domerguei - Salmo gairdneri

Trichodina domerguei subsp. domerguei Haider, 1964 - Enophrys bison,
Gasterosteus aculeatus

Trichodina domerguei F. latispina Dogiel, 1940 - Oncorhynchus gorbuscha, O. keta

Trichodina fultani Davis, 1947 - Salmo gairdneri

Trichodina gracilis Polyansky, 1955 - Gasterosteus aculeatus,
Oncorhynchus gorbuscha, O. keta

PROTOZOA (CILIOPHORA) (continued)

- Trichodina lairdi Lom, 1970 - Oligocottus maculosus
Trichodina megamicronucleata Dogiel, 1950 - Gasterosteus aculeatus
Trichodina microdenticulata Wellborn, 1967 - Dorosoma petenense
Trichodina murmanica Polyansky, 1955 - Gadus macrocephalus
Trichodina nigra kamchatka - Oncorhynchus nerka
Trichodina ovonucleata Raabe, 1958 - Asterotheca infraspinata,
Radulinus asprellus
Trichodina ploveri Zhukov, 1964 - Clupea harengus
Trichodina puytoraci Lom, 1962 - Mugil cephalus
Trichodina rectuncinata Raabe, 1958 - Artemia fenestralis
Trichodina salmincola Wellborn, 1967 - Salmo gairdneri
Trichodina tenuidens Fauré-Fremiet, 1943 - Gasterosteus aculeatus
Trichodina truttae Muller, 1937 - Oncorhynchus gorbuscha, O. keta,
Salmo clarki
Trichodina vancouverense Laird, 1961 - Artemia fenestralis
Tripartiella californica (Davis, 1947) - Oncorhynchus gorbuscha,
O. keta, O. tschawytscha
Tripartiella obliqua Lom, 1962 - Mugil cephalus
Tripartiella pungitii Bogdanova and Shtein, in Litt. - Oncorhynchus
keta

PROTOZOA (MICROSPORIDIA)

Gen. and sp. - Coryphaenoides filifer, Lycodopsis pacificus,
Oncorhynchus gorbuscha
Glugea sp. - Parophrys vetulus

NOSEMATIIDAE

Glugea anomala (Moriez, 1887) - Gasterosteus aculeatus
Glugea hertwigi Wissenberg, 1911 - Parophrys vetulus
Glugea punctifera Thelohan, 1895 - Theragra chalcogramma
Glugea stephani (Hagenmuller) - Platichthys stellatus
Plistophora sp. - Oncorhynchus nerka, Salmo gairdneri
Plistophora salmonae Putz, Hoffman and Dunbar, 1965 - Salmo gairdneri

PROTOZOA (MYXOSPORIDA)

Gen. and sp. - Apristurus brunneus, Damalichthys vacca, Sebastolobus sp.,
Serrivomer sector, Stenobranchius leucopsarus, Triphoturus mexicanus

AUERBACHIIDAE

Auerbachia sp. - Coryphaenoides filifer, C. pectoralis
Auerbachia pulchra Lom, Noble and Laird, 1975 - Coryphaenoides
acrolepis, C. filifer, C. pectoralis

CERATOMYXIDAE

Ceratomyxa sp. - Acanthogobius flavimanus, Caulolatilus princeps,
Coryphaenoides filifer, Gasterosteus aculeatus, Nezumia stelgidolepis,
Synodus lucioceps
Ceratomyxa anoplopoma Moser, in press - Anoplopoma fimbria
Ceratomyxa auerbachii Kabata, 1962 - Clupea harengus
Ceratomyxa blennius Noble, 1938 - Gibbonsia elegans, G. metzi,
Hypsoblennius gilberti
Ceratomyxa californica Jameson, 1929 - Eptatretus stoutii, Sebastes
paucispinis
Ceratomyxa crassa Jameson, 1929 - Leptocottus armatus
Ceratomyxa drepanosettae Awerinzew, 1907 - Reinhardtius hippoglossoides
Ceratomyxa elegans Jameson, 1929 - Porichthys notatus, Sebastes pinniger,
S. rosaceus
Ceratomyxa filiformis Dogiel, 1948 - Sardinops sagax caeruleus
Ceratomyxa furcata Fujita, 1923 - Apodichthys flavidus
Ceratomyxa gracilis Jameson, 1929 - Gibbonsia metzi
Ceratomyxa hokarari Meglitsch, 1960 - Coryphaenoides acrolepis
Ceratomyxa hopkinsi Jameson, 1929 - Citharichthys xanthostigma,
Microstomus pacificus, Nezumia stelgidolepis, Parophrys vetulus,
Scorpaena guttata, Sebastes goodei
Ceratomyxa inconstans Jameson, 1929 - Scomber japonicus
Ceratomyxa jamesoni (Jameson, 1931) Kudo, 1933 - Triakis semifasciata
Ceratomyxa laxa Meglitsch, 1960 - Sebastes serranoides
Ceratomyxa lunata Davis, 1917 - Galeocerdo cuvieri
Ceratomyxa mesospora Davis, 1917 - Sphyrna tiburo, S. zygaena
Ceratomyxa obesa Jameson, 1929 - Clinocottus analis
Ceratomyxa orientalis (Dogiel, 1948) Shulman, 1953 - Clupea harengus,
Sardinops sagax caeruleus
Ceratomyxa platichthyitis (Fujita, 1923) Dogiel, 1948 - Platichthys
stellatus
Ceratomyxa recurvata Davis, 1917 - Sphyrna zygaena
Ceratomyxa sebasta Moser, Love and Jensen (in preparation) - Sebastes
carnatus, S. ensifer, S. paucispinis, S. pinniger, S. serranoides
Ceratomyxa shasta Noble, 1950 - Oncorhynchus keta, O. kisutch,
O. tschawytscha, Salmo clarki, S. gairdneri
Ceratomyxa starksi Jameson, 1929 - Sebastes rosaceus
Ceratomyxa vepallida Meglitsch, 1960 - Sebastes carnatus, Sebastes
serranoides, S. ensifer, S. paucispinis, Typhlogobius californiensis
Ceratomyxa tenuis Fujita, 1923 - Leptocottus armatus
Ceratomyxa venusta Jameson, 1931 - Cynoscion nobilis

PROTOZOA (MYXOSPORIDA) (continued)

CERATOMYXIDAE (continued)

- Leptotheca armatura Yoshino and Moser, 1974 - Coryphaenoides armatus,
C. leptolepis, C. pectoralis
Leptotheca compressa Noble, 1939 - Rimicola eigenmanni
Leptotheca elegans Noble, 1938 - Artemius lateralis, Gibbonsia elegans,
G. metzi, Paraclinus integripinnis, Typhlogobius californiensis
Leptotheca fisheri (Jameson, 1929) Kudo, 1933 - Chromis punctipinnis
Halichoeres semicinctus, Hydrolagus colliei, Rhacochilus toxotes
Leptotheca fusiformes Davis, 1917 - Sphyrna zygaena
Leptotheca galeata (Jameson, 1929) Kudo, 1933 - Eptatretus stoutii
Leptotheca informis Auerbach, 1910 - Coelorinchus scaphopsis,
Coryphaenoides acrolepis, C. filifer, C. pectoralis, Anoplöpoma
fimbria, Sebastes chlorostictus, S. godei, S. paucispinis,
S. rosaceus, S. serranoides
Leptotheca krogiusi Konovalov and Shulman, 1965 - Oncorhynchus gorbuscha,
O. keta, O. kisutch, O. nerka, O. tschawytscha
Leptotheca longipes Auerbach, 1910 - Sebastes serranoides
Leptotheca macrospora Auerbach, 1909 - Sebastes serranoides
Leptotheca minima Meglitsch, 1960 - Coryphaenoides armatus
Coryphaenoides acrolepis
Leptotheca sebasta Moser, Love and Jensen (in preparation) - Sebastes
serranoides
Leptotheca sphaerula Noble, 1939 - Gibbonsia elegans, G. metzi

CHLOROMYXIDAE

- Chloromyxum sp. - Sphyrna zygaena
Chloromyxum chitosense Fujita, 1923 - Oncorhynchus keta
Chloromyxum corregoni Bauer, 1948 - Oncorhynchus nerka
Chloromyxum giganteum Fujita, 1923 - Oncorhynchus gorbuscha
Chloromyxum kabatai Moser and Noble (in preparation) - Coryphaenoides
acrolepis
Chloromyxum levigatum Jameson, 1931 - Squatina californica
Chloromyxum leydigi Mingazzini, 1890 - Sphyrna tiburo, S. zygaena,
Squalis acanthias, Torpedo californica
Chloromyxum majori Yasutake and Wood, 1957 - Oncorhynchus tschawytscha,
Salmo gairdneri
Chloromyxum ovatum Jameson, 1929 - Galeorhinus zyopterus, Mustelus
californicus, M. henlei, Squalus acanthias, Torpedo californica,
Urolophus halleri
Chloromyxum quadriforme Fujita, 1923 - Oncorhynchus gorbuscha, O. keta
Chloromyxum sphyrnae Cunha and Fonseca, 1918 - Sphyrna tiburo
Chloromyxum tanakai Fujita, 1936 - Oncorhynchus keta
Chloromyxum truttiae Leger, 1961 - Salmo gairdneri
Chloromyxum wardi Kudo, 1920 - Oncorhynchus nerka, Coryphaena
hippurus, Epsetta jordani, Hippoglossus stellatus,
Microstomus pacificus, Parophrys vetulus, Platichthys stellatus
Kudoa bora (Fujita, 1930) Meglitsch, 1947 - Mugil cephalus
Kudoa cerebralis Paperna and Zwerner, 1974 - Roccus saxatilis
Kudoa clupeidae (Hahn, 1917) Meglitsch, 1947 - Clupea harengus,
Sebastes elongatus, S. paucispinis, Thunnus thunnus
Kudoa maculoliquifaciens (Matsumoto, 1854) Kudo and Meglitsch (in
preparation) - Xiphias gladius

PROTOZOA (MYXOSPORIDA) (continued)

MYXIDIIDAE

- Myxidium sp. - Acanthogobius flavimanus, Agonopsis emmelane,
Anoplopoma fimbria
- Myxidium bajacalifornium Noble, 1966 - Bajacalifornia burragei
- Myxidium calcariferi Chakravarty, 1943 - Sebastes carnatus, S. miniatus, S. paucispinis
- Myxidium coryphaenoidium Noble, 1966 - Coryphaenoides armatus,
C. filifer, C. leptolepis, Nezumia liolepis, N. stelgidolepis
- Myxidium gasterostei Noble, 1943 - Gasterosteus aculeatus
- Myxidium incurvatum Thelohan, 1892 - Aselichthys rhodorus, Mugil cephalus,
Oligocottus snyderi, Scorpaena guttata, S. carnatus, S. caurinus,
S. elongatus, S. paucispinis, S. serranoides
- Myxidium melanostigmum Noble, 1966 - Melanostigma pammelas,
Sagamichthys abei.
- Myxidium minteri Yasutake and Wood, 1957 - Oncorhynchus keta, O. kisutch,
O. tschawytscha, Salmo clarki, S. gairdneri
- Myxidium obscurum Konovalov, 1966 - Oncorhynchus gorbuscha, O. keta,
O. nerka
- Myxidium ochotense Fujita, 1923 - Gadus macrocephalus
- Myxidium orientalis Schulman, 1962 - Coryphaenoides leptolepis
- Myxidium oshoroense Fujita, 1923 - Platichthys stellatus
- Myxidium oviforme Parisi, 1912 - Cymatogaster aggregata, Damalichthys vacca,
Hypsurus caryi, Oncorhynchus gorbuscha, O. keta, O. nerka,
O. tschawytscha, Phanerodon furcatus, Salmo gairdneri
- Myxidium salvelini (Konovalov and Schulman, 1966) - Salmo clarki
- Myxidium theragrae Fujita, 1923 - Theragra chalcogramma
- Sphaeromyxa balbianii Thelohan, 1895 - Agonopsis emmelane, Gobiesox maeandricus
- Sphaeromyxa gibbonsia Noble, 1939 - Gibbonsia elegans, G. metzi
- Sphaeromyxa lateralis Noble, 1941 - Artedius lateralis
- Sphaeromyxa maiyai Morrison and Pratt, 1973 - Microgadus proximus
- Sphaeromyxa ovula Noble, 1939 - Gobiesox rhessodon
- Sphaeromyxa parva Dogiel, 1948 - Cololabis saira
- Sphaeromyxa reinhardti Jameson, 1929 - Engraulis mordax
- Zschokkella sp. - Anoplarchus purpurescens, Gobiesox maeandricus
- Zschokkella dogieli Pogorel, 1964 - Mugil cephalus
- Zschokkella embiotocidis Moser and Halderson, in press - Damalichthys vacca,
Embiotoca lateralis
- Zschokkella globulosa Davis, 1917 - Coryphaenoides acrolepis, C. armatus,
C. leptolepis, Nezumia liolepis, N. Stelgidolepis
- Zschokkella ilishae Chakravarty, 1941 - Sebastes serranoides
- Zschokkella meglitschi Moser and Noble, in preparation - Coryphaenoides armatus,
C. filifer, C. pectoralis, Nezumia stelgidolepis
- Zschokkella nova Klokacana, 1914 - Mugil cephalus, Salmo gairdneri
- Zschokkella orientalis Konovalov and Schulman, 1966 - Oncorhynchus gorbuscha,
O. kisutch, O. tschawytscha
- Zschokkella rovignensis Nemeček, 1922 - Coelorinchus scaphopsis
- Zschokkella russelli Tripathi, 1948 - Coryphaenoides armatus, C. filifer

PROTOZOA (MYXOSPORIDA) (continued)

MYXOBOLIDAE

- Henneguya salminicola Ward, 1919 - Oncorhynchus gorbuscha, O. keta,
O. kisutch, O. nerka, O. tschanytscha
Henneguya sebasta Moser and Love, 1975 - Sebastes chlorostictus,
S. diploproa, S. flavidus, S. goodei, S. jordani, S. levis, S.
melanops, S. miniatus, S. paucispinis, S. rufus, S. serranoides,
S. vexillaris
Henneguya tridentigeri Ozaki and Ishizaki, 1941 - Acanthogobius
flavimanus
Myxobilatus sp. - Gasterosteus aculeatus
Myxobilatus gasterostei (Parisi, 1912) Davis, 1944 - Gasterosteus
aculeatus
Myxobilatus meduis (Thélohan, 1892) Gurley, 1894 - Gasterosteus
aculeatus
Myxobolus sp. - Leuroglossus stilbius
Myxobolus acanthogobii Hoshina, 1952 - Acanthogobius flavimanus
Myxobolus achmerovi Schulman, 1966 - Mugil cephalus
Myxobolus cheni Schulman, 1962 - Mugil cephalus
Myxobolus exiguus Thelohan, 1895 - Mugil cephalus
Myxobolus insidiosus Wyatt and Pratt, 1963 - Oncorhynchus tschawytscha
Myxobolus kisutchi Yasutake and Wood, 1957 - Oncorhynchus kisutch,
Salmo gairdneri
Myxobolus krokhini Konovalov and Schulman, 1966 - Oncorhynchus nerka
Myxobolus mexicanus Yoshino and Noble, 1973 - Coelorrinchus scaphopsis,
Coryphaenoides armatus
Myxobolus mülleri Bütschli, 1882 - Mugil cephalus
Myxobolus neurobius Schuberg and Schroder, 1905 - Oncorhynchus kisutch,
O. nerka
Myxobolus parvus Schulman, 1962 - Mugil cephalus
Myxobolus physophilus Reuss, 1906 - Gasterosteus aculeatus
Myxobolus squamae Keysselitz, 1908 - Oncorhynchus kisutch
Unicapsula muscularis Davis, 1924 - Hippoglossus stenolepis
Unicauda brevis (Thélohan, 1892) - Gasterosteus aculeatus

MYXOSOMATIDAE

- Myxosoma branchialis (Markevich, 1932) Lom, 1961 - Mugil cephalus
Myxosoma cephalis Iverson, Chitty, Meter, 1971 - Mugil cephalus
Myxosoma cerebralis (Hofer, 1903) Kudo, 1933 - Oncorhynchus gorbuscha,
O. keta, Salmo gairdneri
Myxosoma dermatobia (Ishii, 1916) Hoshina, 1952 - Mugil cephalus,
Oncorhynchus keta, O. kisutch
Myxosoma salmonis Hoshina, 1949 - Oncorhynchus keta
Myxosoma soldatovi (Akhmerov, 1960) Kudo and Meglitsch, in preparation -
Oncorhynchus keta, O. kisutch
Myxosoma squamalis Iverson, 1954 - Oncorhynchus keta, O. Kisutch, Salmo
gairdneri

PROTOZOA (MYXOSPORIDA) (continued)

SPHAEROSPORIDAE

- Davisia sp. - Gobiesox maeandricus, Porichthys notatus
Davisia anoplopoma Moser and Noble, 1975 - Anoplopoma fimbria
Davisia bidens (Jameson, 1931) Laird, 1953 - Porichthys notatus
Davisia cella (Jameson, 1931) Laird, 1953 - Porichthys notatus
Davisia coryphaenoidia Yoshino and Noble, 1973 - Coryphaenoides
acrolepis, C. pectoralis
Davisia pectoralis Moser and Noble, 1975 - Coryphaenoides acrolepis,
C. pectoralis
Davisia reginae Love and Moser, in press - Damalichthys vacca,
Embiotoca lateralis, Sebastes maliger, S. serranoides
Sinuolinea dimorpha (Davis, 1917) Kudo, 1920 - Porichthys notatus
Sinuolinea magna Yoshino and Noble, 1973 - Coryphaenoides acrolepis,
C. pectoralis
Sinuolinea triangulata Schulman, 1966 - Coryphaenoides acrolepis,
C. armatus, C. filifer, C. leptolepis, C. pectoralis
Sphaerospora divergens Thelohan, 1895 - Pleuronichthys verticalis
Sphaerospora elegans Thelohan, 1892 - Gasterosteus aculeatus
Sphaerospora orientalis Schulman and Schulman - Albova, 1953 -
Clupea harengus

TRILOSPORIDAE

- Trilospora californica Noble, 1939 - Gibbonsia elegans, G. metzi
Trigonosporus acanthogobii Hoshina, 1952 - Acanthogobius flavimanus

WARDIIDAE

- Myxoproteus sp. - Coryphaenoides filifer
Myxoproteus abyssus Yoshino and Moser, 1974 - Coryphaenoides acrolepis,
C. armatus, C. filifer
Myxoproteus californicus Yoshino and Noble, 1973 - Coryphaenoides
acrolepis, C. pectoralis
Myxoproteus rosenblatti Moser and Noble, in preparation - Coryphaenoides
acrolepis, C. armatus, C. filifer

PROTOZOA (SARCOMASTIGOPHORA)

CRYPTOBIIDAE

- Cryptobia sp. - Bathylagus ochotensis, B. wesethi, Coryphaenoides filifer, Dorosoma petenense
Cryptobia borreli (Laveran and Mesnil, 1901) - Oncorhynchus kisutch, O. tschawytscha, Salmo gairdneri
Cryptobia branchialis (Nie in Chen, 1956) - Gasterosteus aculeatus, Oncorhynchus nerka
Cryptobia coryphaenoidena Noble, 1969 - Coryphaenoides acrolepis
Cryptobia makeevi (Akhmerov, 1959) Bykhovskaya-Pavlovskaya, 1962 - Oncorhynchus gorbuscha, O. keta
Cryptobia salmositica Katz, 1951 - Gasterosteus aculeatus, Oncorhynchus gorbuscha, O. keta, O. kisutch, O. nerka, O. tschawytscha, Salmo gairdneri
Cryptobia stilbia Noble, 1968 - Leuroglossus stilbius

HEXAMITIDAE

- Hexamita salmonis (Moore, 1922) - Clupea harengus, Gasterosteus aculeatus, Oncorhynchus tschawytscha, Salmo gairdneri
Octomitus truttiae Schmidt, 1920 - Salmo gairdneri

ENTAMOEBIDAE

- Entamoeba molae Noble and Noble, 1966 - Mola mola

MONOCERCOMONIDAE

- Monocercomonas molae Noble and Noble, 1966 - Mola mola

TETRAMITIDAE

- Costia necatrix (Henneguy) - Gasterosteus aculeatus, Salmo clarki, S. gairdneri
Costia pyriformis Davis, 1943 - Salmo clarki, S. gairdneri

THECAMOEBIDAE

- Schizamoeba salmonis Davis, 1925 - Salmo gairdneri
Thecamoeba hoffmani Sawyer, Hnath and Conrad, 1974 - Oncorhynchus kisutch, O. tschawytscha, Salmo gairdneri

TRYPANOSOMIDAE

- Trypanosoma sp. - Mugil cephalus
Trypanosoma occidentalis Becker, 1967 - Gasterosteus aculeatus
Trypanosoma pacifica Berreson and Pratt, 1972 - Parophrys vetulus

PROTOZOA (SPOROZOA)

ADELEIDAE

- Haemogregarina sp. - Salmo clarki
Haemogregarina bigemina Laveran and Mesnil, 1901 - Artedius fenestralis,
Auxis thazard, Caranx hippos, Coryphaena hippurus
Haemogregarina delaggei Laveran and Mesnil, 1902 - Squalus acanthias
Haemogregarina mugili - Mugil cephalus

COCCIDIA

- Gen. and sp. - Sebastes levis

EIMERIIDAE

- Eimeria sp. - Scorpaenichthys marmoratus
Eimeria auxidis Dogiel, 1948 - Cololabis saira
Eimeria clupearum (Thelohan, 1894) Doflein, 1908 - Clupea harengus,
Engraulis mordax
Eimeria gasterostei (Thelohan, 1890) Doflein, 1909 - Gasterosteus
aculeatus
Eimeria lucida (Labbe, 1893) Reichenow, 1921 - Squalus acanthias
Eimeria nishin Fujita, 1934 - Clupea harengus
Eimeria pneumatophori Dogiel, 1948 - Scomber japonicus
Eimeria sardinae (Thelohan, 1890) Reichenow, 1921 - Clupea harengus
Eimeria squali Fitzgerald, 1975 - Squalus acanthias

HAPLOSPORIDIA

- Dermocystidium gasterostei Elkan, 1962 - Gasterosteus aculeatus

TURBELLARIA

HYPOTRICHINIDAE

Ichthyophaga subcutanea Syromjatnikova - Hexagrammos decagrammus

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MONOGENEA (continued)

CAPSALIDAE

- Entobdella squamula (Heath, 1902) Johnston, 1929 - Eopsetta jordani,
Hippoglossus stenolepis, Paralichthys californicus
Megalocotyle marginata Folda, 1928 - Sebastes alutus, S. atrovirens,
S. auriculatus, S. carnatus, S. caurinus, S. maliger, S. melanops,
S. nebulosus, S. ruberrimus, S. serriceps, S. umbrosus
Megalocotyle trituba Pratt and Aldrich, 1953 - Sebastes alutus, S.
diploproa, S. paucispinis, S. pinniger, S. ruberrimus
Neobenedenia girellae (Hargis, 1955) Yamaguti, 1963 - Girella nigricans,
Leptocottus armatus, Pimelometopon pulchrum, Roccus saxatilis
Neobenedenia pacificia Bravo-Hollis, 1971 - Mugil cephalus
Nitzschia quadritestes Pratt and Herrmann, 1962 - Acipenser medirostris,
A. transmontanus
Pseudobenedenia noblei (Menzies, 1946) Yamaguti, 1963 - Sebastes
paucispinis
Tristoma adcockineum Yamaguti, 1968 - Xiphias gladius
Tristoma adintegrum Yamaguti, 1968 - Xiphias gladius
Tristoma coccineum Cuvier, 1817 - Sphyrna zygaena, Xiphias gladius
Tristoma intergrum Diesing, 1850 - Xiphias gladius
Tristoma papillosum Diesing, 1836 - Mola mola, Xiphias gladius
Tristomella pricei (Hidalgo, 1959) Price, 1960 - Istiophorus platypterus
Trochopus sp. - Sebastes aleutianus, S. alutus, S. babcocki, S.
brevispinis, S. cramerii, S. diploproa, S. elongatus, S. entomelas,
S. flavidus, S. goodei, S. pinniger, S. proriger, S. reedi, S.
ruberrimus, S. zacentrus
Trochopus pseudomarginatus Bravo-Hollis, 1957 - Epinephelus analogus
Trochopus sprostoni Arai and Koski, 1964 - Scorpaena guttata

CHIMAERICOLIDAE

- Chimaericola leptogaster (Leuckart, 1830) Brinkman, 1942 - Hydrolagus
colliei

CLINOSTOMIDAE

- Clinostomum marginatum (Rudolphi, 1819) Braun, 1899 - Alosa sapidissima

DACTYLOGYRIDAE

- Amphibdelloides maccallumi (Johnston and Tiegs, 1922) Price, 1937 -
Squalus acanthias, Torpedo californica
Ancyrocephalus vanbenedeni (Parona and Perugia, 1890) Johnston and Tiegs,
1922 - Mugil cephalus
Aristocleidus hastatus Mueller, 1936 - Roccus saxatilis
Cleidodiscus sp. - Mugil cephalus
Cleidodiscus pricei Mueller, 1936 - Roccus saxatilis
Dactylogyrus sp. - Gasterosteus aculeatus
Haliotrema mugilinus (Hargis, 1955) Yamaguti, 1963 - Mugil cephalus
Microncotrematoides inversum (Goto and Kikuchi, 1917) Yamaguti, 1963 -
Scomber japonicus
Urocleidus sp. - Fundulus parvipinnis

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