

**PARASITES
of the
FAMILY MOLIDAE**

Mola mola—Ocean sunfish

SYNONYM-*Orthagoriscus mola*

ACANTHOCEPHALA

ECHINORHYNCHIDAE

Echinorhynchus gadi Zoega in Muller 1776. Massachusetts. Dollfus (1946) as *E. acus*.

BRANCHIURA

ARGULIDAE

Argulis scutiformis Thiele 1900. Japan. Yamaguit (1963a); France. Skin. Dollfus (1946).

CESTODA

BOTHRIOCEPHALIDAE

Bothriocephalus monorchis Linstow 1903. France. Intestine. Dollfus (1946).

DASYRHYNCHIDAE

Floriceps saccatus Cuvier 1817. France. Many places in body. Dollfus (1946).

GYMNORHYNCHIDAE

Molicola horridus (Goodsir 1841). France. Dollfus (1946); New Zealand. Robinson (1959a).

TRIAENOPHORIDAE

Ancistrocephalus microcephalus (Rudolphi 1819) Monticelli 1890. Newfoundland. Intestine. Threlfall (1967); New Zealand. Robinson (1959a); France. Dollfus (1946).

Fisticula plicatus (Rudolphi 1819) Lühe 1899. Massachusetts. Linton (1941).

TRYPANORHYNCHA

Rhynchobothrium sp. Larva. Newfoundland. Intestine wall. Threlfall (1967).

Tetrarhynchus elongatus Wagener 1901. Larva. Newfoundland. Liver. Threlfall (1967); Massachusetts. Linton (1924). [Species *incertae sedis*—Yamaguti (1959b)] [= Molicola horridus—Dollfus (1942)].

COPEPODA

CALIGIDAE

Caligus elongates Nordmann 1832. Mediterranean, North Sea. Parker (1969).
Lepeoptheirus nordmanni (Edwards 1840) Baird 1850. France. Skin. Dollfus (1946); New Zealand. Hewitt (1964b) as L. insignis; Southern California. Wilson (1908a); Newfoundland. Threlfall (1967); Japan. Shiino (1957).
Lepeoptheirus hastatus Shiino 1960. Japan. Body surface. Shiino (1960a); New Zealand. Hewitt (1964b) as L. mola; Australia. Heegaard (1962) as L. mola.

CECROPIDAE

Cecrops exiguous Wilson 1923. Japan Buccal cavity, gills. Shiino (1965a).
Cecrops latreillii Leach 1816. Newfoundland. Gills. Threlfall (1967); Massachusetts. Wilson (1932); France. Dollfus (1946); New Zealand. Hewitt (1968a).
Orthogoriscola muricatus (Kroyer 1837) Poche 1902. Massachusetts. Wilson (1907b); South Africa. Barnard (1955); France. Skin, gills. Dollfus (1946).
Philorthogoriscus serratus (Kroyer 1863) Horst 1897. Newfoundland. Body surface. Threlfall (1967); Netherlands, Massachusetts, English seas. Wilson (1932); South Africa. Barnard (1955); Japan. Shiino (1959c).

DICHELESTHIIDAE

Anthosoma crassum (Abildgaard 1794) Gould 1841. France. Inner face of operculums, fin. Dollfus (1946).

LERNAEOPODIDAE

Lernaeopodoa bidiscalis Kane 1892. France. Skin. Dollfus (1946).

PANDARIDAE

Pandarus bicolor Leach 1816. France. Skin. Dollfus (1946).
Echthrogaleus coleoptratus (Guerin 1817) Wilson 1907. France. Skin. Dollfus (1946).

PENNELLIDAE

Pennella crassicornis Streenstrup and Lutken 1861. Yamaguti (1963a).
Pennella filosa (Linnaeus 1758). France. Dollfus (1946) as P. rubra; Massachusetts. Flesh. Wilson (1932); South Africa. Barnard (1955); Pacific. Wilson (1932) as P. orthogorisci.

TREBIIDAE

Trebius sp. France. Skin, gills. Dollfus (1946).

CRUSTACEA

LEPADIDAE

Conchoderma virgatum. Body surface. Balakrishnan (1969).

DIGENEA

ACANTHOCOLPIDAE

Stephanostomum baccatum (Nicoll 1907) Manter 1934. Immature.

Massachusetts. Linton (1940) as S. valde-inflatum.

ACCACOELIIDAE

Accacladocoelium macrocotyle (Diesing 1858) Odhner 1928. Oregon. Pratt and McCauley (1961); Massachusetts. Linton (1940); Canada, Naples, Ireland. Intestine. Dawes (1947).

Accacladocoelium nigroflavum (Rudolphi 1819) Odhner 1928. Europe, Mediterranean. Intestine. Dawes (1947).

Accacladocoelium petasiporum Odhner 1928. Mediterranean. Intestine. Dawes (1947); France. Dollfus (1946).

Accacladocoelium alveolatum Robinson 1934. Atlantic. Intestine. Robinson (1934); New Zealand. Manter (1960).

Accacladocoelium serpentulum Odhner 1928. Japan Intestine. Dawes (1947); Massachusetts. Linton (1940); France. Dollfus (1946); Central California. Noble and Noble (1937) as Accacladium nematulum.

Accacoelium contortum (Rudolphi 1819) Looss 1899. Newfoundland, Massachusetts. Pharnyz. Threlfall (1967); Gills. Linton (1940); France. Timon-David and Musso (1971).

Odhnerium calyptrocotyle (Monticelli 1893) Yamaguti 1934. British Columbia. Intestine. Lloyd (1938); Southern California. Montgomery (1957); Japan. Yamaguti (1934b); New Zealand. Manter (1954a); Massachusetts. Linton (1940) as Orophocotyle foliata.

Orophocotyle planci (Stassich 1899) Looss 1902. Trieste. Dawes (1947).

Rhyncopharynx paradoxa Odhner 1928. Japan. Intestine. Yamaguti (1934a); France. Dollfus (1935b) | New Zealand. Manter (1960).

DIDYMOZOIDAE

Didymozone molae (Rudolphi 1819) Dollfus 1946. Dorsal muscles. Dollfus (1946).

Nematobothrium molae MacLaren 1903. Mediterranean. Gills. Dawes (1947).

Koellikeria filicollis (Rudolphi 1819) Cobbold 1860. Intestine. Nicoll (1915).

Nematobothrioides histoidii Noble 1974. California. Connective tissue. Noble (1975).

LEPOCREADIIDAE

Dihemistephanus lydiae (Stossich 1896) Looss 1901. France. Digestive tract.

Dollfus (1946); New Zealand. Manter (1960).

Dihemistephanus fragilis (Linton 1900) Stafford 1904. Massachusetts.

Digestive tract. Stafford (1904); Newfoundland. Threlfall (1967) as

Distomum fragile.

ISOPODA

CYMOTHOIDAE

Nerocila orbignyi France. Skin. Dollfus (1946).

Nerocila macleayi White 1843. France. Skin. Dollfus (1946).

MONOGEA

CAPSALIDAE

Capsala martinieri Bosc 1811. Newfoundland. Body surface. Threlfall (1967).

British Columbia. Gills, body surface. Margolis; Norway. Brinkmann (1952).

Capsala molae (Blanchard 1847) Johnston 1929. Massachusetts. Linton (1940); New Jersey. Skin. Price (1962a) as *Tricotyla m.*

Capsala cephalae (Risso 1826) St. Remy 1989. Europe. Yamaguti (1963b).

Capsala cutanea (Guiart 1938) Price 1939. Dawes (1947).

Capsala grimaldii (Guiart 1938) Price 1939. Dawes (1947).

Capsala pelamydis (Taschenberg 1878) Price 1939. Dawes (1947).

Capsala maculata (Martiniere 1787). France. Skin. Dollfus (1946).

Tristoma papillosum Diesing 1836. France. Skin. Dollfus (1946).

NEMATODA

ANISAKIDAE

Anisakis sp. Larva. New Zealand. Viscera, mesentery, under peritoneum.

Hewitt and Hine (1972).

CUCULLANIDAE

Cucullanus orthagorisci (Rudolphi 1819). France Dollfus (1946) as *Ascaris o.*

PROTOZOA (SARCOMATIGOPHORA)

ENTAMOEBIDAE

Entamoeba molae Noble and Noble 1966. Southern California. Hindgut. Noble and Noble (1966).

MONOCERCOMONIDAE

Monocercomonas molae Noble and Noble 1966. Southern California. Hindgut. Noble and Noble (1966).

Ranzania laevis—slender mola

SYNONYM—*R. truncata*

DIGenea

ACCACOELIIDAE

Orophocotyle planci (Stossich 1899) Looss 1902. Trieste. Yamaguti (1971).

Orophocotyle divergens Looss 1902. Trieste. Looss (1902).