

Bull. Ir. biogeog. Soc. No. 14 (1991)

CRUSTACEAN RECORDS FROM LOUGH HYNE (INE), CO. CORK, IRELAND:
PART V.

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This is the fifth list in a series on the crustacean fauna of Lough Hyne (Ine) (W0928), the marine nature reserve in West Cork, and reports additions to some earlier lists (Holmes, 1980, 1983, 1985, 1987).

Sampling was carried out by a variety of methods; shore collecting, sorting through weed and sponges, and taking small samples of sublittoral mud. Much of the collecting was by underwater light-trap (Holmes and O'Connor, 1988), most frequently at a site known as Station G10 (W097280), mid-way along the south shore of the lough near a submerged rocky outcrop. The station numbers are derived from a grid system figured in Minchin (1987). Other sites visited were: the Goleen (W096277), a blind inlet leading from the south-west corner of the lough, brackish in its upper reaches; the north-west corner (W092289), a brackish area where a small stream flows into the lough; the North Quay (W094288), midway along the north shore; and the Barloge, the creek leading from L. Hyne to the open sea.

The species list is laid out in the same way as the previous lists. Some of the data on the harpacticoids has already been published, albeit in a more concise form, in a general review of Irish Harpacticoids by Holmes and O'Connor (1990). New Irish Records are indicated by *. A selection of the animals collected has been deposited in the National Museum of Ireland.

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Species List

Order PODOCOPIDA

Semicytherura acuticostata (G.O.Sars)

Several specimens in coarse shell gravel, Barloge, 24.vii.1986.

Xestoleberis nitida (Liljeborg)

Several specimens in light-traps, Station G10, July 1990.

Paradoxostoma pulchellum G.O.Sars

Three specimens amongst algae and sponges, Station G10,
13.viii.1989.

Order HARPACTICOIDA

Ectinosoma normani T.Scott and A.Scott

Several specimens amongst algae and sponges, Station G10,
13.viii.1989. Fresh specimens are easily recognisable by the
presence of a pair of prominent red patches anteriorly.

Darcythompsonia fairliensis (T.Scott)

Abundant amongst the filamentous alga Audouinella at Station G10
and around the North Quay, August 1988.

Euterpina acutifrons (Dana)

Two specimens in light-trap, North Quay, 5m, 23.ix.1987. A
characteristic planktonic species.

Tachidius discipes Giesbrecht

In littoral peaty mud in a brackish area in the upper reaches of
the Goleen, 12.viii.1989. A characteristic brackish species.

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Harpacticus obscurus T.Scott

In light-trap, Barloge, 1m, 15.vii.1990.

Harpacticus tenellus G.O.Sars

Abundant in light-traps in the lough. The record of H. gracilis from L. Hyne by Holmes (1985) should refer to this species.

Perissocope sp.

One specimen in light-trap, off the west end of Castle Island, 20m, 14.vii.1990. This problematical genus is otherwise unknown in Ireland.

Idvella exigua G.O.Sars

Several specimens in light-trap, Station G10, 25.vii.1988, and amongst algae and sponges, 13.viii.1989, at the same site.

Tisbe reticulata Bocquet

In light-trap, 1m, Barloge, 15.vii.1990.

Porcellidium ovatum Haller

Amongst algae in shallow water throughout the lough. Specimens found on "Lithothamnium" in L. Hyne and recorded under the names P. tenuicauda and P. viride by Holmes (1985) were re-examined and should be referred to P. ovatum. This is a warm-water species widely distributed in the Mediterranean and Indo-Pacific. It may possibly have been brought to L. Hyne accidentally amongst algae attached to ships.

Porcellidium sarsi Bocquet

Amongst algae attached to a floating oil-boom, Barloge, 22.ix.1987; in light-trap, Barloge, 1m, 15.vii.1990.

Porcellidium tenuicauda Claus

One specimen in light-trap sample taken by D. Minchin, Whirlpool

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Cliff, 22.viii.1983.

Alteutha depressa (Baird)

In light-traps, North Quay, 5m, 23.ix.1987, and in Barloge, 1m, 15.vii.1990.

Dactylopodella flava (Claus)

In coarse shell gravel, Barloge, 24.vii.1986, and amongst algae and sponges, Station G10, August 1988 and 1989.

Diarthrodes major (T.Scott and A.Scott)

In gravel under stones in shallow water, north shore, 8.vii.1982.

Parastenhelia spinosa (Fischer)

In light-trap, 2m, 25.vii.1988, and amongst algae and sponges, Station G10, July 1988 and August 1989; in peaty mud, the Goleen, August 1989.

Amphiascoides debilis (Giesbrecht)

Gravel under stones, north shore, 8.vii.1982; mud, North Quay, 5m, 3.viii.1989; peaty mud, the Goleen, 12.viii.1989.

Amphiascopsis cinctus (Claus)

Abundant in light-traps and amongst weed in shallow water around the lough. The record of this species from the plankton of L. Hyne by Holmes (1983) was based on a mis-identification and should refer to a closely related form discussed immediately below.

Amphiascopsis cinctus, sensu Sars

This striking form, with transverse purple bands and a dorsal longitudinal purple stripe, apparently yet without a name, is common in light-traps and is abundant amongst algae all round the lough. It is clearly the form illustrated by Sars (1906) under the name Amphiascus cinctus (Claus), but it is not the same as the

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true A. cinctus of Claus, with which it co-exists in L. Hyne. The two were unjustifiably synonymised by Lang (1948).

Haloschizopera pygmaea (Norman and T.Scott)

In muddy sand, North Quay, August 1988 and 1989 and at Station G10, August 1989. Otherwise known in Ireland from Galway Bay (Moore and O'Reilly, 1989).

Paramphiascella vararensis (T.Scott)

Occasionally in small numbers; North Basin, light-trap, 15m, 14.vii.1981; Station G10, amongst algae and sponges, 15.viii.1988, 13.viii.1989.

Stenhelia gibba Boeck

Two specimens, coarse shell gravel, Barloge, 24.vii.1986; one specimen, light-trap, 2m, Station G10, 25.vii.1988.

Stenhelia giesbrechti T.Scott and A.Scott

One specimen, coarse shell gravel, Barloge, 24.vii.1986; one specimen, light-trap, 5m, North Quay, 23.ix.1987; 3 specimens, mud, 5m, north shore, 3.viii.1989.

Stenhelia normani (T.Scott)

One ♀ specimen, light-trap, 2m, Station G10, 25.vii.1988.

Stenhelia palustris (Brady)

One ♀ specimen in shallow water mud in the brackish upper reaches of the Goleen, 10.viii.1989. A characteristic brackish species.

Ameira tenella G.O.Sars

One ♀ specimen, coarse shell gravel, Barloge, 24.vii.1986. The confusion surrounding the name of this species was discussed by Holmes and O'Connor (1990).

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Nitocra spinipes Boeck

Abundant in the north-west corner of the lough, 28.vii.1989. A characteristic brackish species.

Nitocra typica Boeck

One specimen, gravel under stones, north shore, 8.vii.1982; several specimens in peaty mud in shallow water in the upper reaches of the Goleen, 12.viii.1989.

Diarthrodella parorbiculata Wells

Several specimens in coarse shell gravel, Barloge, 24.vii.1986. (Holmes and O'Connor, 1990).

Mesochra heldti Monard

Two ♀ specimens in peaty mud in shallow water, the Goleen, 12.viii.1989. (Holmes and O'Connor, 1990).

Nannomesochra arupinensis (Brian)

Amongst algae and sponges, Station G10, August 1988 and 1989.

Orthopsyllus linearis (Claus)

One ♀ specimen, amongst algae and sponges, Station G10, 13.viii.1989 (Holmes and O'Connor, 1990).

Enhydrosoma longifurcatum G.O.Sars

Common in sublittoral mud.

Eurycetodes similis (T.Scott)

Two specimens, amongst algae and sponges, Station G10, July 1988 and August 1989.

Esola longicauda Edwards

One ♀ specimen in light-trap, 5m, off North Quay, 23.ix.1987.

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Heterolaophonte longisetigera (Klie)

One ♀ specimen, light-trap, 5m, North Quay, 23.ix.1987 (Holmes and O'Connor, 1990).

Heterolaophonte uncinata (Czerniavski)

The Goleen, 22.ix.1987; mud, Station G10, 3.viii.1989; amongst algae and sponges, Station G10, 13.viii.1989. An examination of specimens in the Roe Collection (NMI) shows that her record (Roe, 1960) of H. stroemi var brevicaudata Monard should be referred to H. uncinata.

Laophonte elongata Boeck

Coarse shell gravel, Barloge, 24.vii.1986; North Quay, 18.viii.1988; amongst algae and sponges, Station G10, August 1988 and 1989.

Laophonte inornata A.Scott

Mud, North Quay and Station G10, 3.viii.1989. The specimen (Roe Collection, NMI) recorded by Roe (1960) as L. serrata was re-examined and identified as L. inornata.

Laophontopsis lamellifera (Claus)

Occasionally in small numbers in light-traps and in mud.

Pseudonychocamptus koreni (Boeck)

One ♀ specimen, gravel under stones, north shore, 8.vii.1982; one ♀ specimen, north-west corner, 28.vii.1989.

Order SIPHONOSTOMATOIDA

Asterocheres boeckii (Brady)

One ♀ specimen, amongst algae and sponges, Station G10, 13.viii.1989.

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*Asterocheres parvus Giesbrecht

One ♀ specimen amongst weed and sponges, Station G10,
13.viii.1989.

*Asterocheres stimulans Giesbrecht

Four specimens, amongst algae and stones, west shore, 9.vii.1982
(not to be confused with A. simulans (T.Scott), also found in L.
Hyne (Holmes, 1983).

*Asterocheres suberitis Giesbrecht

Four specimens, from sponge, Amphilectus fucorum (Esper), Station
G10, 13.viii.1989.

*Asterocheres violaceus (Claus)

Several specimens in washings from sea-urchin Echinus esculentus
L., south shore near the Goleen, 16.vii.1990. In NMI there is a
single specimen, also in washings from Echinus esculentus, from
off Galley Cove, V7924, near Crookhaven, Co.Cork, 9.vii.1982.

Rhynchomyzon purpurocinctum (T.Scott)

One ♂ specimen, light-trap, 1m, Barloge, 15.vii.1990. Otherwise
known in Ireland from a single specimen from Ballynakill,
Co.Galway (Farran, 1913).

*Artotroqus orbicularis Boeck

One ♂ specimen, light-trap, 1m, Barloge, 15.vii.1990. No previous
published records of this species exist for Ireland but one ♂
specimen was also taken in a light-trap, 10m, 40-foot bathing
place, O259281, Sandycove, Co.Dublin, 5.ix.1982, J.M.C.H. (NMI).

*Myzopontius pungens Giesbrecht

One ♀ specimen, light-trap, 3m, Station G10, 21.vii.1990.

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*Apodomyzon brevicorne Stock

One ♀ specimen from sponge, Station G10, 13.viii.1989.

Caligus pelamydis Krøyer

Several specimens on mackerel, Scomber scombrus L., off Bullock I., Barloge, 18.vii.1990.

Order CYCLOPOIDA

*Cyclopina esilis Brian

Several specimens, mud, near the Rapids, 20.vii.1983.

Notopterophorus papilio Hesse

Numerous specimens in the tunicate Ascidia mentula O.F.Müller, the Goleen, 3.viii.1987 and 22.ix.1987, and Station G10, 13.viii.1989.

Order ISOPODA

Gnathia dentata G.O.Sars

Three specimens amongst algae and sponges, Station G10, 15.viii.1988.

Sphaeroma serratum (Fabricius)

Several specimens under stones in the littoral zone on the east shore, 5.viii.1989.

Porcellionides cingendus (Kinahan)

One specimen of this woodlouse near the shore just outside the Renouf Laboratory, July 1990.

Order AMPHIPODA

Iphimedia nexa Myers and McGrath

Following the revision of the genus Iphimedia by Myers et al.

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(1987), it is clear that the specimen recorded from L. Hyne by Holmes (1980) under the name Panoploea minuta (Sars) should be referred to this species.

Iphimedia perplexa Myers and Costello

Amongst algae and gravel, the Rapids area and Barloge.

Cheirocratus intermedius G.O.Sars

Abundant in coarse shell gravel in Barloge, 26.vii.1985 and 24.vii.1986, apparently co-existing with C. sundevallii (Rathke).

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