

The Marine Fauna of the Cullercoats District

2b

ARTHROPODA 2a

INSECTA ; APTERYGOTA

by

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CLASS INSECTA Linnaeus

Sub-Class APTERYGOTA Lang

Order COLLEMBOLA Lubbock

HYPOGASTRURIDAE Börner

Hypogastrura viatica (TULLBERG)

Bagnall 1941,p.220 (as *Achorutes subviaticus*) ; Strenzke 1955,pp.17-19, fig.2.

"Coast, near Roker" (Bagnall 1940b ; 1941) ; "Alnmouth Estuary, 1 only, Mar. 35 ; Warkworth, 1918." (Bagnall 1949).

Hypogastrura purpurescens (LUBBOCK)

Linnaniemi (Axelson) 1912,p.29, pl.3,figs.9-13 (as var. *litoralis* Axelson).

"Alnmouth, amongst driftwood Mar.35, a few." (Bagnall 1949 as *Lubbockiella litoralis*).

Xenylla humicola (FABRICIUS)

Strenzke 1955,p.20,fig.4.

"E. Coast at Saltburn, Yorks. ; Whitley Bay, Northumberland ; and Roker, County Durham." (Bagnall 1909).

BRACHYSTOMELLIDAE Stach

Friezea mirabilis (TULLBERG)

Bagnall 1939c,pp.189-190 (as *F.poseidonis*).

"Alnmouth, Mar.35 ; Seaton Sluice Mar.39 under stones embedded in silt below H.W.M." (Bagnall 1939c).

ANURIDIDAE Stach

Anurida thalassophila (BAGNALL)

Bagnall 1939a,pp.193-194 (as *Aphoromma t.*) ; Strenzke 1955,p.25.

"Whitley Bay, north of Briar Dene, Sep.38 ; Alnmouth, Mar.35 ; Seaton Sluice, one only Apr.39. Ryhope Dene, common, Jun.34 ; Banks of Tyne at Gateshead 18 Jun.39 (under deeply embedded stones on silt below H.W.M.)" (Bagnall 1939c).

Anurida denisi BAGNALL

Bagnall 1939b,p.101 ; Strenzke 1955,p.24.

" Roker, several, Oct.1912." (Bagnall 1939b).

Anurida maritima (GUÉRIN)

Strenzke 1955,p.23,fig.6.

" In pools at extreme low water, Roker, 15 Aug. 1900 " (Brady 1902): " Occurs in our northern counties " (Bagnall 1909): Tyne-mouth, common (Bagnall 1949, as *A. bisetosa*). Common in rock pools, Cullercoats (H.O.B.).

Anuridella marina WILLEM

Willem 1906,p.247,pl.1 ; Womersley 1930a,p.35 ; Strenzke 1955,p.25.

" Under very deeply embedded stones below H.W.M. Northumberland, between Seaton Sluice and St. Mary's Island ; Durham, at mouth of Ryhope Dene, one." (Bagnall 1934).

Anuridella immsiana BAGNALL

Bagnall 1939b,p.93 ; Strenzke 1955,p.27.

" Plentiful on the Durham coast, in numbers in sand below H.W.M. Whitburn, 10 and 11 Jun.39, both sexes." (Bagnall 1939c).

Anuridella submarina BAGNALL

Bagnall 1934,p.246,f.11 ; Strenzke 1955,p.26.

" Durham, Whitburn Jun.34 under stones lightly embedded in shingle below H.W.M. ; not more than 2 or 3 under each stone." (Bagnall 1934, 1939c).

ONYCHIURIDAE Börner

Onychiurus caledonicus BAGNALL

Bagnall 1935,p.61 ; Strenzke 1955,p.28.

Several from Firth of Forth : England, E. Yorks. : On the shore at foot of cliffs at Thornwick Bay, near Flamborough Sep.34." (Bagnall 1935).

Onychiurus halophilus BAGNALL

Bagnall 1937 ; Strenzke 1955,p.28.

" Cullercoats, under a rock below H.W.M. 16 Feb.39." (Bagnall 1939b).

Onychiurus debilis (MONIEZ)

Strenzke 1955,p.28.,fig.10

" I have found several isolated examples on the East Coast of England from Northumberland, Yorks." (Bagnall 1935).

Onychiurus furciferus (BÖRNER)

Bagnall 1935,p.63 ; Strenzke 1955,p.30 (as *O. scoticus*).

" Single examples from the coast of Durham (Ryhope) and E. Yorks (Flamborough)." (Bagnall 1935).

ISOTOMIDAE Börner

Folsomia garretti BAGNALL

Bagnall 1939a,p.26 ; Strenzke 1955,p.32.

"Alnmouth, not uncommon under rotting bark of a log embedded in mud of estuary below H.W.M. Apr.37 (types and paratypes) : Mouth of Ryhope Dene in numbers Jun.34." (Bagnall 1939a).

Archisotoma besselsi (PACKARD) [= *Isotoma spitzbergenensis* (LUBBOCK)]

Strenzke 1955,pp.37-39,fig.15.

"Amongst dried seaweed at Whitley Bay, Northumberland, and Saltburn, Yorks. These are the first English and most southerly localities recorded." (Bagnall 1909).

Archisotoma megalops BAGNALL

Bagnall 1939b,p.99 ; Strenzke 1955,p.39.

" Roker, Dec. 12." (Bagnall 1939c).

Archisotoma nigricans BAGNALL

Bagnall 1939c,pp.198-9 ; Strenzke 1955,p.41.

" Whitburn, coast, 10-11 Jun. 39. under stones embedded in more or less coarse, gritty sand below H.W.M." (Bagnall 1939c).

Proisotoma minuta (TULLBERG)

Strenzke 1955,p.34.

" Single specimen in dried seaweed on beach at Whitley Bay, spring 1907, taken by Professor Carpenter." (Bagnall 1909).

Subisotoma angularis (AXELSON)

Bagnall 1939a,p.25 ; Strenzke 1955,p.26.

" Northumberland : Coast at mouth of Briar Dene near Whitley Bay." (Bagnall 1939a).

Isotoma poseidonis BAGNALL

Bagnall 1939b,pp.96-97 ; Strenzke 1955,p.43.

" Cullercoats, several under rocks below H.W.M. 16 Feb.39. Alnmouth, under driftwood, 1 only, Feb.39." (Bagnall 1939b).

ENTOMOBRYIDAE Börner

Orchesella villosa (GEOFFROY)

Brown 1925,p.155,pl.IX ; Strenzke 1955,p.48 (as *O.litoralis* Brown).

"Among shingle between tide-marks, Runswick Bay (Yorks.) Aug. 1924." (Brown 1925).

Pseudosinella maritima (BAGNALL)

Bagnall 1941,pp.224-5 ; Strenzke 1955,p.48.

" Cullercoats Bay, 16 Feb.39 ; Alnmouth estuary 7 Apr.39, several. Ryhope, mouth of dene, in numbers Jun.34." (Bagnall 1941).

SMINTHURIDAE Lubbock

Sminthurides malmgreni (TULLBERG) var. *elegantulus* REUTER

Schött 1893,p.35,pl.2,figs.20,21,26.

" From a brackish pool near St. Mary's Island, Whitley Bay, and from a brackish ditch near the Greatham salt marsh, County Durham." (Bagnall 1909).

Bourletiella insignis (REUTER)

Schött 1893,p.26.

" On the surface of brackish water, Whitley Bay, Northumberland ; and Greatham, County Durham." (Bagnall 1909).

Bourletiella novemlineata (TULLBERG) var. *pilosicauda* (REUTER)

Schött 1893,p.27,pl.2,figs.1-4.

" I have seen this form once only, from a brackish pond (now filled up) near Whitley Bay, Northumberland." (Bagnall 1921).

Order THYSANURA Latreille

Petrobius maritimus LEACH

MACHILIDAE Verhoeff

Womersley 1930b,p.393.

"Farne Is. 10 Sep. 1911" (Bagnall 1916). Common under stones and crevices just above H.W.S.T. Holy Island (below Castle), Farne Is., Newton, Embleton, Boulmer, and at foot of cliffs St. Mary's Is., Whitley Bay. H.O.B.

Petrobius brevistylis CARPENTER

Womersley 1930b,p.390.

Common with last St. Mary's Is. H.O.B.

APTERYGOTA

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