

LAND, FRESH-WATER, AND MARINE CRUSTACEA.

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ORDER PODOPHTHALMA.

AUTHORITIES AND REFERENCES.

- (F. S. G.)=The Statistics of the work of the Fishery Board, S.S. "Garland."
- (H.)=Prof. J. R. Henderson "The Higher Crustacea of the Clyde" (*N. H. Soc. Glasg. Trans.*, vol. i. (N. S.) p. 315.
- (M.)=MS. records of Sir John Murray's S. Y. "Medusa."
- (A. M. N.)=Rev. Canon A. M. Norman, F.R.S., "A Revision of the British species of Schizopoda" (*Ann. and Mag. N. H.*, 1892).
- (R.)=Records of the late Dr. Robertson, Millport.
- (C.)=Dr. W. Y. Calman, Dundee, "On the genus *Pandalus*."
- (S.)=Thomas Scott, F.L.S.

NOMENCLATURE AND CLASSIFICATION FOLLOWED.

Rev. T. R. R. Stebbing, "History of the Crustacea," 1893 (*Intern. Scient. Ser.*)

Shall. w.=shallow water; l. m. w.=low water of ordinary or spring tides; d. w.=deep water; bet. t. m.=between tide marks; h. w.=high water.
[Insufficiently attested or doubtful species are enclosed within square brackets.]

Sub-Order Brachyura.

Fam. Cancridae.

- Cancer pagurus*, *Lin.*—C. on rocky shores (H.).
- Xantho hydrophilus* (*Herbst.*)—One captured at mouth of estuary 15/6/1899 (F. S. G.). Fishery Board's Coll., Aberdeen.
- Pilumnus hirtellus*, (*Lin.*)—Portloy, Cumbræ, under stones at l. w. (R.). Apparently r.

Fam. Portunidae.

- Carcinus maenas* (*Penn.*)—C. bet. t. m., and in shall. w. inshore; sometimes in 10-20 f. upwards.
- Portunus puber* (*Lin.*)—Cumbræ; Lamlash B.; L. Fyne (H.); Shallow Bays, Barmore (S.).
- P. depurator* (*Lin.*)—The most c. *Portunus* in the Clyde (H.).
- P. corrugatus* (*Penn.*)—One off Tan Buoy, 8 f. (H.).
- P. arcuatus*, *Leach.*—F. of Clyde, not r.
- P. pusillus*, *Leach.*—Mod. c.; hard ground, down to 30 f. (H.); nr. Fort Matilda, Greenock (S.).

P. marmoreus, *Leach.*—Several localities (H.).
Portunus latipes (*Penn.*)—Washed ashore, Irvine sands (R.).

Fam. Corystidae.

Corystes cassivelaunus, (*Penn.*)—Kames B., Cumbrae, sand below l. w. m. (R.): small male at mouth of estuary, 15/6/99 (F. S. G.).
Atelecyclus septemdentatus (*Mont.*)—One from Alland Bank, Millport B. (R.).

Fam. Ocypodidae.

Gonoplax rhomboides (*Lin.*)—Ayrshire coast (G. & M.): nr. Ailsa Craig (trawled, F. S. G.): shore, Ardeer (J. Smith).

Fam. Pinnotheridae.

Pinnotheres pisum (*Lin.*)—Not unc. in *M. modiolus*, occasionally in *C. edule* (H.).

Fam. Inachidae.

Macropodia rostratus (*Lin.*)—Not unc. in lower Clyde.
M. longirostris (*Fabr.*)—Mod. c., gen. dist.; more c. than *M. rostratus*.
 [*Achaeus cranchii*, *Leach.*—One, off Cumbrae by Mr. Kennedy (R.): U. L. Fyne, 10 f. (M.).]
Inachus dorsettensis (*Penn.*)—C. and gen. dist.
I. dorynchus, *Leach.*—Gen. dist., less c. than *I. dorsettensis*.
I. leptochirus, *Leach.*—F. of Clyde (A. M. N.): bet. Cumbrae and Bute, 20 f., r. (R.).

Fam. Maiidae.

[*Maia squinado* (*Herb.*)—Off Dunoon, 1878 (Fleming): off Ardrossan (Maj. Martin): W. of Bute (Grieve) (See H.).]
Hyas araneus (*Lin.*)—C. and gen. dist., esp. inshore.
H. coarctatus, *Leach.*—C. and gen. dist., esp. in d. w.

Fam. Parthenopidae.

Eurynome aspera (*Penn.*)—Not c.; 10-60 f.; usually hard ground (H.): off Fort Matilda 10 f. (S.).

Fam. Leucosiidae.

Ebalia tuberosa (*Penn.*)—Gen. dist.; usually hard ground, 5-50 f. (H.): off Fort Matilda (S.).
E. tumifacata (*Mont.*)—Lamlash B. (G.; H.): Alland Bank, Millport B. (R.): Kilbrennan Sd., 15 f. (Brook).
E. cranchii, *Leach.*—Lamlash B. (L.: M.): off Lion Rock Cumbrae (Alex. Patience)!

Sub-Order Macrura.

Fam. Lithodidae.

Lithodes maia (*Lin.*)—D. w. L. Fyne, and Clyde; gen. dist.; somewhat r. (H.; F. S. G.).

Fam. Paguridae.

Eupagurus bernhardus (*Lin.*)—Abund., more inshore than in d. w.
E. prideauxi (*Leach.*)—Mod. c., more in d. w. than inshore.
E. cuanensis (*Thomp.*)—Skelmorlie Bank; off Portincross; Cumbrae; Lamlash B.; not very c. (H.).
E. pubescens (*Kr.*)—Mod. c.; hard ground; usually enveloped by *Hymeniacidon tuberea* (H.).
Anapagurus hyndmanni (*Thomp.*)—F. of Clyde, 10-15 f. (A. M. N.): off Cumbrae (R.): E. L. Tarbert (S.).

