

RECEIVED

0, MAR 2005


DINGWALL

North Atlantic Pholoidae (from Petersen 1998)

- 1. No eyes. Prominent facial tubercle present, with papillae at base. Elytra without pigment, elytral papillae swollen basally, with moniliform tips, neuropodia without conspicuous distal stylodes. To 16mm

P. pallida

With eyes

- 2. Elytral papillae moniliform  2.
- 2. Elytral papillae not moniliform 3.
- 3. Prominent facial tubercle present (often as large as median antenna). 4.
- 3. Prominent facial tubercle absent. Body flat, middorsum uncovered.

P. longa

- 4. Few papillae on feet and ventral surface. Some dark pigment between eyes, otherwise unpigmented, but often covered by a stiff, rust-coloured accretion. Body solid, domed and high in x section. To 20mm (<10mm).

P. baltica

Entire ventral surface and feet covered with small, globular, thick-walled papillae, becoming long and forming a fringe towards the tip of the foot, on either side of the setae.

P. tuberculata

- 5. Tentacular cirri smooth, without distinct papillae. Prostomium unpigmented. Elytra pigmented brow/blackish, covering dorsum completely and lying flat, elytral papillae marginal, slender, short and capitate on anterior segments, long and tapering on posterior ones. Body flat and delicate. 5-6 mm

P. assimilis

Papillae on ventral cirri and five on inner side of dorsal tentacular cirri. Prostomium sometimes with pigmentation between eyes. Elytral papillae long and smooth, elytra pigmented with dark spots or rings, not usually covering dorsum completely, often not lying flat. Body flat and delicate. ~10mm (5-6mm)

P. inornata /
P. synopthalmica

P. pallida Chambers 1985 - St. Abbs, Scotland
P. longa (O.F.Müller 1776) may = *P. baltica* - South-west Greenland
P. baltica Örsted 1843 may = *P. longa* - Øresund, Kattegat, Denmark
P. tuberculata Southern 1914 may = *P. baltica* - Clare Island, Ireland
P. assimilis Örsted 1845 - Oslofjord, Norway
P. inornata Johnston 1839 - Berwick Bay, England. Type species of genus.
P. synopthalmica Claparède 1868 - Naples, Italy
P. minuta (Fabricius 1780) not known from European waters
P. fauveli Kitkegaard 1983 restricted to > 400m depth

BY SUE HAMILTON

Pholoidea

| | Eyes | Facial tubercule | Elytral papillae | Body | Dorsum | Neuropodial papillae | Pigment on elytra | Pigment between eyes | Tentacular cirri | Terminal articles | length mm (max) |
|---------------------------|------|------------------|------------------|-------|-----------|----------------------|-------------------|----------------------|------------------|-------------------|-----------------|
| <i>P. pallida</i> | no | large | moniliform | | uncovered | no | no | | smooth | | 16 |
| <i>P. baltica</i> | yes | large | moniliform | domed | uncovered | few short | no, red deposit | yes | smooth | short | 20 |
| <i>(P. tuberculata)</i> | yes | large | moniliform | domed | covered | many long | no | | | | 21 |
| <i>(P. longa)</i> | yes | no | moniliform | flat | uncovered | yes | | yes | | | 22 |
| <i>P. assimilis</i> | yes | no | tapering | flat | covered | | yes | no | smooth | | 6 |
| <i>P. inornata</i> | yes | no | tapering | flat | uncovered | yes | yes | sometimes | papillate | | 10 |
| <i>(P. synopthalmica)</i> | yes | no | tapering | flat | uncovered | yes | yes | sometimes | papillate | long | 10 |