

above regularly ovate, widest near, or a little in front of, the middle, and tapering equally toward both ends; extremities acuminate, width equal to one-third of the length; end view ovate. Surface of the shell smooth and polished, white or cream-coloured, and bearing often a few minute impressed puncta. Length, 1-50th of an inch (.5 mm.).

Found in a dredging from off Bermudas (Station 33), 435 fathoms; mud. These specimens, though considerably smaller than those met with in Europe, present no other important difference. I suppose, therefore, that the conditions of a tropical sea are not so favourable to the species as those of temperate regions. Possibly the same observation may hold good if applied to the whole genus. *Pontocypris trigonella* is a common species in Northern Europe, and has been noticed also in dredgings from the Mediterranean and Cape Verde. It occurs not unfrequently in the Post-Tertiary deposits of Scotland.

[Pl. XV. fig. 4, *a-d*. *a* Carapace seen from left side, *b* from above, *c* from below, *d* from front. All magnified 60 diameters.]

2. *Pontocypris simplex*, n. sp. (Pl. I. fig. 5, *a-d*).

Carapace compressed, elongated; seen from the side, subreniform, higher in front than behind; greatest height situated in the middle, and equal to half the length; anterior extremity broadly and obliquely rounded, posterior rounded but considerably narrowed; dorsal margin boldly arched, highest near the middle; ventral sinuated in front of the middle; seen from above the outline is ovate, widest a little in front of the middle; extremities subacuminate, width equal to somewhat more than one-third of the length; end view ovate, rather compressed towards the dorsal margin; surface of the valves quite smooth. Length, 1-38th of an inch (.66 mm.).

Dredged in a depth of 7 fathoms off Ascension Island.

[Pl. I. fig. 5, *a-d*. *a* Carapace seen from left side, *b* from above, *c* from below, *d* from front. Magnified 50 diameters.]

3. *Pontocypris faba* (?), Reuss (Pl. I. fig. 4, *a-d*).

*Bairdia faba*, Reuss, Ein Beitrag zur genaueren Kenntniss der Kreidegebilde Meklenburgs, Zeitsch. d. deutsch. Geol. Ges., 1855, p. 278, pl. x. fig. 2.

*Pontocypris faba*, Brady, Ostracoda of the Antwerp Crag, Trans. Zool. Soc., 1878, p. 382, pl. lxiii. fig. 6, *a-e*.

Carapace of the female rather tumid; seen from the side subtriangular, highest in front of the middle, the height being equal to more than half the length; anterior extremity very broadly rounded, posterior much attenuated and almost acuminate; dorsal margin very boldly arched, highest in front of the middle, sloping with a steep curve backwards, and more gently towards the front; ventral rather deeply sinuated in the middle; seen