

propodus. The carpus is somewhat more than twice as long as the propodus and  $\frac{4}{3}$  of the length of the merus. The ischium is slightly shorter than the merus. The fourth and fifth legs are subequal in shape. The fourth reaches with part of the propodus beyond the scaphocerite. The dactylus bears a tuft of hairs at the apex. The propodus is somewhat more than twice as long as the dactylus and slightly longer or slightly shorter than the carpus. The merus and the carpus are about equal in length.

The pleopods have the exopod articulated. In the female the endopod of the first pleopod is elongate and slender, in the other pleopods the endopod diminishes in size from the second to the fifth. No appendix interna is present on any of the pleopods. The situation in the males is unknown to me since no males are represented in the material examined. The uropods are elongate, the endopod is longer than the exopod. The outer margin of the exopod does not end in a final tooth.

The eggs are fairly numerous, they measure 0.3 to 0.6 mm. in diameter.

**Type.** Holotype is the specimen from Station 146.

The present new species is most closely related to *Pontophilus hendersoni* Kemp (1915) and *Pontophilus megalochair* (Stebbing, 1915). The shape of the chela with the two-topped subchelar spine is present only in these three species and not known in any other species of *Pontophilus*. In the shape of the tip of the telson and that of the scaphocerite the present form shows most resemblance to *P. hendersoni* and differs in those respects from *P. megalochair*. It furthermore differs from *P. megalochair* in having the carpus of the second legs relatively much shorter and broader. From *P. hendersoni* it may be distinguished by the absence of the tubercle in the posterior median part of the third abdominal segment, by having the scaphocerite a little more produced antero-internally and by having the subchelar spine of the first pereopod slender. Also the sculpture of the carapace is a feature by which *P. wolffi* may be distinguished at once from the other two species. In both *P. hendersoni* and *P. megalochair*, there is a very distinct spine in the anterior third of the median dorsal line of the carapace. No other spines or tubercles seem to be present there. Unfortunately, I had no material either of *P. hendersoni* or *P. megalochair* for comparison. *P. hendersoni* has been reported from India and S. Africa, *P. megalochair* from S. Africa.

It is a pleasure to name this species after Mr. TORBEN WOLFF of the Zoological Museum at Copenhagen, one of the zoologists of the Atlantide-Expedition, who was always ready to assist me with information concerning the present Atlantide material.

## Litterature.

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