

The specimen does resemble *M. acherontium* in many respects. The rostrum has 9 dorsal teeth, two of which are on the carapace proper; the ventral margin bears two teeth, the anterior of which is abnormal and very poorly developed. The shape and position of the antennal and hepatic spines are like in *M. acherontium*. However, the eyes in this specimen are normally developed and have a large cornea, which is distinctly wider than the eyestalk and fully pigmented. Also the legs, though resembling those of *M. acherontium*, are distinctly different in that they are far less slender.

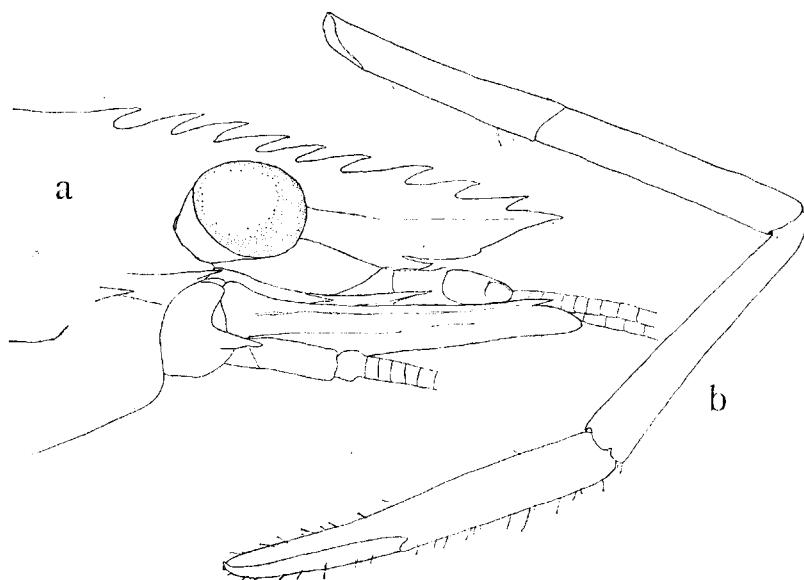


Fig. 8. — *Macrobrachium* sp. a, anterior part of body, in lateral view; b, second pereiopod. a, b, $\times 15$.

The fact that only a single, probably immature specimen is available makes it impossible to conclude whether it is a new species or just an epigean form of *M. acherontium*. It is to be hoped that more material can be collected of this interesting form.

SUMMARY. — Shrimps of the families Palaemonidae and Athyidae collected in subterranean waters of Mexico are dealt with in this paper. Comments and new records are given for *Typhlatya pearsei* Creaser, *T. mitchelli* Hobbs and Hobbs and *Bithynops luscus* Holthuis. Two new Palaemonid species are described: *Bithynops perspicax*, an eyed form closely related to *B. luscus*, from a cenote in the state of Chiapas, and *Macrobrachium acherontium*, a poorly cave adapted species, from the Cueva de Coconà in the state of Tabasco.

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