

**A CHECK LIST OF AMPHIPODS RECORDED FROM  
ALEXANDRIA MEDITERRANEAN WATERS.**

**MANAL M. ATTA**

Oceanography Dep., Faculty of Science, Alex. University, Alexandria, Egypt.

Since Schellenberg (1936), no faunistic study of the benthic Amphipods of Alexandria area has been published. The present list includes all the species recorded by Schellenberg (1936) and in addition it includes the unpublished records of El-Nassry (1973) and Atta (1985). El-Nassry (loc. cit.) investigated the intertidal fauna of the Eastern Harbour, Alexandria over a complete year cycle. The survey carried out by Atta (loc. cit.) lasted for one year and extended to 60 km of coast line (Agami to Abu-Qir, Fig. 1). The biotopes investigated cover the rocky intertidal zone, the *positonia oceanica* meadows at 5 m depth and the sublittoral sandy-muddy bottoms



FIG. 1  
Map showing the area investigated.

in Mex Bay (3-7 m). The list includes 54 species, almost all of which are known Mediterranean species. But a comparison between the present records and those of Schellenberg (loc. cit.) shows a change in composition and dominance since his observations. The present survey allowed to recognise nine species new to the area (\*) (Atta, 1985). Schellenberg recorded *Ilyale schmidti* as quantitatively dominant. In the present survey this species is replaced by *Ilyale prevosti* the dominant species at all times and in all samples, while *I. schmidti* was absent. *Corophium orientale* is endemic to the Mediterranean (Ruffo, 1982) and *Echinogammarus foxi* endemic to both Mediterranean and Black Seas (Ruffo, 1982). *Cymadusa filosa*, recorded from the Southern Mediterranean (Ruffo, 1982) as well as from the Red Sea (Schellenberg, (1928) is not known yet from the Indian Ocean. It may have migrated to the Red Sea through the Suez Canal as it was recorded there by Schellenberg (1928). Four species are euryhaline, restricted to low salinity areas: *Corophium orientale*, *Gammarus aequicauda*, *Echinogammarus foxi*, and *Atylus swammerdami*.

## Amphipods:

### A. Gammaridae:

<i>Ampelisca brevicorris</i> Costa	<i>Ampelisca diadema</i> Costa
<i>Ampelisca tenuicorris</i> Lilljeborg	<i>Ampelisca typica</i> Bate
<i>Ampelisca unidertata</i> Schellenberg	<i>Amphithoe ramondi</i> Audouin
<i>Amphithoe helleri</i> Bate	* <i>Amphitochus</i> sp.
<i>Atylus guttatus</i> Costa	* <i>Atylus swammerdami</i> M. Edwards
<i>Bathyporeia quilliamsoniana</i> Bate	<i>Corophium acutum</i> Cheverux
<i>Corophium acherusicum</i> A. Costa	<i>Corophium bonelli</i> M. Edwards
* <i>Corophium insidiosum</i> Crawford	<i>Corophium orientale</i> Schellenberg
<i>Corophium sextonae</i> Crawford	* <i>Cymadusa filosa</i> Savigny
<i>Dexamine spirosa</i> Montagu	<i>Echinogammarus foxi</i> Schellenberg
<i>Elasmopus rapax</i> A. Costa	<i>Elasmopus portenicus</i> Bate
* <i>Elasmopus pocillimanus</i> Bate	<i>Erichthonius brasiliensis</i> M. Edwards
<i>Eriopsis elongata</i> Bruzelius	<i>Gammarus aequicauda</i> Martynov
<i>Harpinia pectinata</i> Sars	<i>Ilyale prevosti</i> M. Edwards
<i>Ilyale schmidti</i> Heller	* <i>Ilyale dofusii</i> Chevreux
<i>Iritacta gibbosa</i> Bate	<i>Jassa falcata</i> Montagu
<i>Jassa marmorata</i> Holmes	* <i>Lembos</i> sp.
<i>Leptocheirus bispinosus</i> Norman	<i>Leptocheirus guttatus</i> Grube
<i>Leptocheirus pectinatus</i> Norman	<i>Leucothoe spinicarpa</i> Abildgard
<i>Leucothoe lilljeborgi</i> Boeck	<i>Lysianassa longicorris</i> Lucas
<i>Maera grossimana</i> Montagu	<i>Maera inaequalipes</i> A. Costa
<i>Microdeutopus damnoniensis</i> Bate	<i>Microdeutopus gryllotalpa</i> Costa
<i>Microdeutopus</i> sp.	<i>Orchestia montagu</i> Andouin
<i>Podoceros variegatus</i> Leach	<i>Stenothoe gallensis</i> Walker

**B. Caprellidae:**

**Caprella acanthifera** Leach

**\*Caprella acanthifera** Latreille

**Caprella aequilifera** Say

**Caprella hyperborea** Heller

**Caprella pennantia** Heller

**Pseudosquilla phasma** Montagu

The author expresses her sincere thanks and gratitude to Professors Dr. Y. Halim and Dr. N. Dowidar for supervision, support and advice.

**REFERENCES**

- Atta, M.M., 1965. Study of the distribution and ecology of microcrustacea in the littoral waters of Alexandria Ph. D. Thesis, Fac. Sci., Alex. Univ.
- El-Masry, M.M., 1973. Biological study on the crustaceae associated with fouling growths in the Eastern Harbour. M. Sc. Thesis, Fac. Sci., Alex. Univ.
- Ruffo, S., 1962. The Amphipoda of the Mediterranean. Part 1 (Gammaridae), *Memorie de l'Institut Océanographique, Monaco*, No. 13.
- Schellenberg, A., 1928. Report on the Amphipoda in Zoological Research Cambridge Expedition Suez Canal, 1924. *Trans. Zool. Soc. London* Vol. 22: 633-892.
- Schellenberg, A., 1936. The fishery grounds near Alexandria 19 Amphipoda Benthonica. *Notes & Mémoires*, Vol., 18: 1-27.