

# VI

## CIRRIPEDIA

BY

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### 9th CRUISE

A small collection of cirripeds, which I have received from professor V. VAN STRAELEN, Natural History Museum, Brussels, was brought home by the expedition of the Schoolship *Mercator* 1935-1936 to West African waters. In all there are seven species represented, non of them new to science. But two are only once before mentioned in the literature. There is nothing to add as regards the morphology. The collection is still of interest, because not much is known about the distribution of cirripeds along the West African Coast. As stated in papers by BROCH (1924*a* and *b*, 1927), GRUVEL (1912) and other authors all species in this material were earlier brought home from these waters. For three species of *Balanus* a wider distribution is to be noted than earlier known, *Balanus maxillaris* was hiterto only mentioned from South Africa. It is now registered from a more northern locality : Mauretanie. For *Balanus Dollfusi* and *fallax* it is interesting to notice a wider distribution southwards. Certainly these two balanids are distributed along the whole West African Coast. BROCH (1927, p. 29) makes also for *Balanus fallax* the following remarks, which may be valid for both species and without doubt for many others : « It will be a tempting task for future investigators in African waters to study the distribution of this small barnacle. »

## GENUS POLLICIPES LEACH, 1817

**Pollicipes cornucopia** LEACH, 1824*Lepas pollicipes* GMELIN, 1789.*Lepas gallorum* SPENGLER, 1790.*Pollicipes cornucopia* LEACH, 1824.*Mitella pollicipes* (Gmelin) PILSBRY, 1907; BROCH, 1927.

DISCUSSION. — To the descriptions earlier given by the authors of this wellknown species there is nothing to add.

NEW LOCALITIES. — Sénégal, Gorée Island, 13.XI.1935. One specimen.

Rio de Oro, 24°41'N. Lat., 14°51'W. Long., south of Garnet Head, Pulpito Bay, 30.X.1935. Many specimens with *Chthamalus stellatus stellatus*.

DISTRIBUTION. — Temperate and tropical parts of Atlantic Ocean, Mediterranean. China (acc. to WELTNER, 1897).

## GENUS CHTHAMALUS RANZANI, 1817

**Chthamalus stellatus stellatus** (POLI, 1795)

DISCUSSION. — This subspecies, earlier described by several authors, is often attached to other cirripeds as, for instance, in this collection *Pollicipes cornucopia* and *Balanus maxillaris*.

NEW LOCALITIES. — Rio de Oro, 24°41'N. Lat., 14°51'W. Long., south of Garnet Head, Pulpito Bay, 30.X.1935. Some specimens on *Pollicipes cornucopia*.

Mauretanie, Port Etienne, 5.XI.1935. Some specimens on *Balanus maxillaris*.

DISTRIBUTION. — England, Mediterranean, Madeira, Azores, West Coast of Africa, Indian Ocean, Malay Archipelago.

## GENUS BALANUS DA COSTA, 1778

## SUBGENUS MEGABALANUS HOCK, 1913

**Balanus tintinnabulum tintinnabulum** (LINNÉ, 1758)

DISCUSSION. — The collection contains some fullgrown specimens of this subspecies of *Balanus tintinnabulum*.

NEW LOCALITIES. — French Guinea, South of Kassa (Los Islands), 23.XI.1935. Two specimens on Gorgonian together with *Balanus trigonus*.

Sénégal (Gorée) Island, 13.XI.1935. Some specimens.

DISTRIBUTION. — With certainty known from Mediterranean, Atlantic, and Indian Oceans (difficult to prove exactly).

**Balanus maxillaris GRONOVIVS, 1763**

*Balanus capensis* DARWIN, 1854.

*Balanus maxillaris* PILSBRY, 1916; NILSSON-CANTELL, 1930.

DISCUSSION. — For a description of this species we may refer to DARWIN, 1854. The specimens of this collection were all fullgrown.

NEW LOCALITY. — Mauretanie, Port Etienne, 5.XI.1935. Some specimens together with *Chthamalus stellatus stellatus*.

DISTRIBUTION. — South and West Africa.

SUBGENUS **BALANUS DA COSTA, 1778****Balanus Dollfusi BROCH, 1927**

DISCUSSION. — It is interesting to find this West African species, not refound since it was first described by BROCH, 1927. The specimen were sometimes growing together with *Balanus fallax*. By a more careful examination of the opercular valves and the walls, which are canaliculated in the former and solid in the latter species, it is thus possible to distinguish them. To the detailed description given by BROCH nothing need here be added.

NEW LOCALITIES. — Rio de Oro, 24°50'N. Lat., 14°56'W. Lang., south of Garnet Head, 30.X.1935. Some specimens together with *Balanus fallax* on mussels.

DISTRIBUTION. — West Coast of Africa : Morocco, Rio de Oro.

**Balanus trigonus DARWIN, 1854**

DISCUSSION. — For the description of this species we may refer to DARWIN, 1854, and PILSBRY, 1916.

NEW LOCALITIES. — Sénégal 14°40'N. Lat., 16°15'W. Long. near Rufisque, 14.XI.1935. Several specimens.

French Guinea, south of Kassa (Los Islands), 23.XI.1935. Some specimens together with *Balanus tintinnabulum tintinnabulum*.

DISTRIBUTION. — Tropical and subtropical coasts.

**Hesperibalanus PILSBRY, 1916****Balanus fallax BROCH, 1916**

DISCUSSION. — This is the second find of this species, described by BROCH, 1927. Without a careful examination it is easy to confuse this little balanid

with other species of *Balanus*. As regards the measurement of the wall I can prove from this material a maximum carino-rostral diam. of 8 mm. (6 mm. according to BROCH's specimens). The colour of the wall is sometimes all white sometimes white with radiating pink coloured stripes or spots. For description of this species we may refer to BROCH, 1927. As seen from the lists of localities by BROCH and in this paper the species is attached to several marine plants and animals.

NEW LOCALITIES. — Rio de Oro, 24°50'N. Lat., 14°56'W. Long., south of Garnet Head, 30.X.1935. Many specimens on ascidie, gorgonarians and algae. Some together with *Balanus Dollfusi*.

Rio de Oro, 24°41'N. Lat., 14°51'W. Long., south of Garnet Head, Pulpito Bay, 30.X.1935. Several specimens on algae.

Rio de Oro, 24°50'N. Lat., 14°50'W. Long., south of Garnet Head, 30.X.1935. Some specimens on shells of mussels and snails.

DISTRIBUTION. — West Coast of Africa : Morocco, Rio de Oro.

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