

FAUNA OF THE POLYCHAETOUS ANNELIDS FROM MADEIRA

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ABSTRACT. The first catalogue of the Polychaetes from Madeira is proposed, included a bibliographic revision, a study of the a material belonging to the Museo Municipal do Funchal (MMF), as well as, a material collected by the authors. A total of the 265 species are cited of which 8 are new from Madeira (*Tomopteris niseni*, *T. septentrionalis*, *Glycera gigantea*, *Nephtys caeca*, *Eurythoe complanata*, *Lumbrineris cingulata*, *Scoelelepis bonnierii* and *Melinna cristata*).

INTRODUCTION

The reports of LANGERHANS (1879, 1880, 1881, 1884) on the Polychaetes of Madeira are the most important work on annelids presented until now for this island, citing 214 species of which 55 are new to Science. During the scientific expeditions of the Hirondele and the Princesse-Alice (1885-1910) some samples were collected on the coasts of Madeira and Porto Santo, the results on annelids corresponding to FAUVEL (1914, 1916). More recently, ZIBROWIUS (1968) and BELLAN (1969), have contributed with new records, the material are collected during the research cruise of the oceanographic ship "Jean Charcot" in July 1966. Few authors, therefore, have studied the Polychaetes of Madeira because a high percentage of the said fauna coincides with that of the coasts of the Iberian Peninsula, as explained by FAUVEL (1916), BELLAN (1969) and confirmed by us upon comparing it with that of the Canaries.

Other works that have been consulted and have proven of great importance in preparing this catalogue are: the bibliographic review of the world by HARTMAN (1954) and that of the Iberian Peninsula and neighbouring archipelagos of ARIÑO (1988), as well as the generic reviews of PLEIJEL (1990). The systematic classification followed was that of FAUCHALD (1977) although it was preferred to begin the list of species with the three orders considered to be errant.

This work is therefore the first catalogue to compile all the references to polychaetes

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collected at the littoral of these islands, material belonging to the Museo Municipal do Funchal (MMF) and that collected by the authors in September, 1992, also being included. The list is composed of 265 species distribution in 38 families. A further 16 have been considered to be indeterminable species because the material type is not to be found and the original descriptions are incomplete. In view of these data, the knowledge presently available of the fauna of Madeira is similar to that of other volcanic archipelagos such as the neighboring Macaronesian archipelago of the Canaries, with 220 species (NUÑEZ *et al.*, 1985, NUÑEZ, 1991), or that of the Galapagos with 198 species (BLAKE, 1990).

The protocol followed for each species is the following: current binomial "status", followed by the author and year, and then references for the area under study, including the taxon used by the authors. In the cases of those species where the authors have had study material at their disposal, the section of the material investigated is added, stating the station, depth, substrate or dredging, number of samples and place where deposited.

MATERIAL AND METHODS

The material examined was collected at two localities of the NW (Porto Moniz) and SE (Ponta de San Lourenço) of Madeira Island, at a depth 4-10 m. The samples were collected by unaided diving and scuba diving on the hard substrates (sponges, corals and calcareous algae) and soft bottoms. The circalittoral (30-100 m depth) samples were obtained for dredging. Material was fixed in 10% formalin and then preserved in 70% alcohol. The material is deposited in the Museo Municipal do Funchal (MMF) and in the Departamento de Biología Animal de la Universidad de La Laguna (DBAUL).

LIST OF SPECIES

Order Phyllodocida

Family Phyllodocidae WILLIAMS, 1851

Phyllodoce madeirensis LANGERHANS, 1880.- *Phyllodoce (Anaitis) madeirensis* LANGERHANS (1880): 307, fig.44.

Phyllodoce lamelligera (LINNAEUS, 1791).- BELLAN (1969): 38.

Nereiphylla dohrnii (LANGERHANS, 1880).- *Phyllodoce (Carobia) Dohrnii* LANGERHANS (1880): 307, fig.43.

Eulalia viridis (LINNAEUS, 1767).- LANGERHANS (1880): 309; BELLAN (1969): 38; *Phyllodoce (Carobia) Gervillei*, LANGERHANS (1880): 307.

Eulalia tripunctata MCINTOSH, 1874.- *Eulalia pulchra* LANGERHANS (1884): 258, fig. 17 (fide PLEIJEL, 1991).

Pterocirrus macroceros (GRUBE, 1860).- *Eulalia (Pterocirrus) macroceros*, LANGERHANS (1884): 258.

Eumida notata (LANGERHANS, 1880).- *Eulalia (Eumida) notata* LANGERHANS (1880): 309, fig.45.

Mystides caeca LANGERHANS, 1880.- LANGERHANS (1880): 310, fig.42.

Notophyllum foliosum (SARS, 1835).- ?*Notophyllum alatum* LANGERHANS (1880): 311, fig.47; ?*Notophyllum frontale* LANGERHANS (1880): 311, fig.48 (*fide* PLEIJEL, 1993).

INDETERMINABLE SPECIES

Mystides bidentata LANGERHANS, 1880.- LANGERHANS (1880): 310, fig.46 (*fide* PLEIJEL, 1991).

Family Alciopidae EHLERS, 1864

Krohnia lepidota (KROHN, 1845).- *Alciopa lepidota*, LANGERHANS (1880): 312.

Rhynchonerella petersii (LANGERHANS, 1880).- *Alciopoe (Halodora) Petersii* LANGERHANS (1880): 312, fig.49; *Vanadis tentaculata* LANGERHANS (1880): 313, fig.50.

Vanadis crystallina GREEFF, 1876.- LANGERHANS (1880): 313.

Family Aphroditidae MALMGREN, 1867

Hermionia hystrix (SAVIGNY, 1820).- *Hermione hystrix*, LANGERHANS (1881): 127; FAUVEL (1914): 34.

Material Examined.- Garajau, dredging, 30-70 m depth, 5 specimens (MMF).

Family Polynoidae KINBERG, 1856

Polynoe scolopendrina SAVIGNY, 1820.- LANGERHANS (1881): 127; *Polynoe variegata* GRUBE (1856) (*fide* HARTMAN, 1959).

Lepidonotus clava (MONTAGU, 1808).- LANGERHANS (1880): 273, fig.2; BELLAN (1969): 36.

Material Examined.- Porto Moniz, 5 m depth, *Cliona viridis*, 1 specimen, no.E170101 (DBAUL); 6 m depth, *Aptos aptos*, 2 specimens, no.210101 (DBAUL).

Alentia gelatinosa (SARS, 1835).- LANGERHANS (1884): 251, fig.6; *Halosydna gelatinosa*, BELLAN (1969): 37.

Material Examined.- Santa Cruz, Agassiz trawl, 40 m depth, 1 specimen (MMF).

Subadyte pellucida (EHLERS, 1864).- *Hermadion pellucidum*, LANGERHANS (1880): 271; *Scalisetosus pellucidus*, FAUVEL (1914): 47; BELLAN (1969): 37.

Harmothoe spinifera (EHLERS, 1864).- BELLAN (1969): 36; *Polynoe spinifera*, LANGERHANS (1880): 275, fig.4; *Harmothoe spinifer*, FAUVEL (1914): 54.

Harmothoe extenuata (GRUBE, 1840).- *Lagisca extenuata*, BELLAN (1969): 37; *Lagisca propinqua* (*non* MALMGREN, 1867), LANGERHANS (1880): 274, fig.3; (1884): 251, fig.7.

Harmothoe aequispina (LANGERHANS, 1884).- *Lagisca aequispina* LANGERHANS (1884):

252, fig.8.

Harmothoe impar (JOHNSTON, 1839).- *Polynoe vasculosa* (non CLAPAREDE 1870), LANGERHANS (1884): 252, fig.9.

Harmothoe lunulata (DELLE CHIAJE, 1822).- BELLAN (1969): 36.

Leucia nivea (SARS, 1863).- *Polynoe zonata* LANGERHANS (1880): 275, fig.5 (*vide* CHAMBERS, 1989).

Family Acoetidae Kinberg, 1858

Eupanthalis kinbergi (MCINTOSH, 1876).- BELLAN (1969): 37.

Family Sigalionidae MALMGREN, 1867

Sthenelais boa (JOHNSTON, 1833).- BELLAN (1969): 37; *Sthenelais idunae*, LANGERHANS (1880): 276, fig.6.

Euthalenessa oculata (PETERS, 1854).- *Sthenelais dendrolepis*, FAUVEL (1914): 84, pl.4, fig.20; *Euthalenessa dendrolepis*, BELLAN (1969): 38.

Psammolice arenosa (DELLE CHIAJE, 1841).- *Psammolice Herminiae*, LANGERHANS (1880): 277, fig.7; *Psammolice inclusa*, BELLAN (1969): 37.

Material examined.- Garajau, dredging, 30 m depth, 3 specimens (MMF); Santa Cruz, dredging, 30-50 m depth, 4 specimens (MMF); Machico, Van Veen grab, 20-30 m depth, 2 specimens (MMF).

Family Chrysopetalidae EHLERS, 1864

Chrysopetalum debile (GRUBE, 1855).- BELLAN (1969): 38; *Chrysopetalum fragile*, LANGERHANS (1880): 278; (1884): 254, fig.11.

Material examined.- Laginha, 4 m depth, coarse sand, 2 specimens no.02IM, 03IM (DBAUL).

Chrysopetalum caecum LANGERHANS, 1880.- LANGERHANS (1880): 278, fig.9.

Family Hesionidae SARS, 1862

Syllidia armata QUATREFAGES, 1865.- LANGERHANS (1880): 305, fig.40; *Magalia perarmata*, LANGERHANS (1880): 305.

Material examined.- Laginha, 4 m depth, coarse sand, 5 specimens no.06IM, 25 specimens no.07IM (DBAUL).

Nereimyra punctata (MÜLLER, 1788).- *Castalia punctata*, BELLAN (1969): 38.

Kefersteinia cirrata (KEFERSTEIN, 1862).- *Hesione cirrata*, LANGERHANS (1880): 306, fig.41.

Material examined.- Laginha, 4 m depth, coarse sand, 4 specimens no.04IM, 2 specimens no.05IM (DBAUL).

Family Syllidae GRUBE, 1850

Subfamily Autolytinae LANGERHANS, 1879

Autolytus prolifer (MÜLLER, 1788).- LANGERHANS (1879): 575.

Autolytus rubrovittatus CLAPAREDE, 1864.- LANGERHANS (1879): 576.

Autolytus roseus CLAPAREDE, 1864.- LANGERHANS (1879): 577.

Autolytus alexandri MALMGREN, 1867.- LANGERHANS (1879): 577.

Autolytus rubropunctatus (GRUBE, 1860).- *Proceraea rubropunctata*, LANGERHANS (1879): 579, fig.30.

Autolytus brachycephalus (MARENCELLER, 1874).- *Proceraea brachycephala*, LANGERHANS (1879): 580, fig.32.

Autolytus quindecimdentatus LANGERHANS, 1884.- LANGERHANS (1884): 249, fig.3.

Autolytus syllisetosus LANGERHANS 1884.- LANGERHANS (1884): 249, fig.4.

Proceraea aurantiaca CLAPAREDE, 1868.- LANGERHANS (1879): 578.

Proceraea picta EHLERS, 1864.- LANGERHANS (1879): 577, fig.28; *Proceraea fasciata* LANGERHANS (1879): 581, fig.33.

Proceraea macrophthalma MARENZELLER, 1875.- LANGERHANS (1879): 579, fig.29.

Procerastea nematodes LANGERHANS, 1884.- LANGERHANS (1884): 249, fig.5.

Myrianida pinnigera (MONTAGU, 1808).- *Myrianida fasciata*, LANGERHANS (1879): 581;

Myrianida maculata, LANGERHANS (1879): 582.

Umbellisyllis clavata (LANGERHANS, 1879).- *Virchowia clavata* LANGERHANS (1879): 582, fig.31.

Subfamily Exogoninae RIOJA, 1925

Exogone naidina ØERSTED, 1845.- LANGERHANS (1879): 563; *Paedophylax claviger*, LANGERHANS (1879): 569, fig.24; *Exotocas gemmifera*, LANGERHANS (1879): 572.

Material Examined.- Porto Moniz, 5 m depth, *Petrosia ficiformis*, 17 specimens, no.E200111 (DBAUL).

Exogone brevipes (CLAPAREDE, 1864).- *Exotocas brevipes*, LANGERHANS (1879): 572.

Exogone dispar (WEBSTER, 1879).- *Paedophylax longiceps*, LANGERHANS (1884): 248, fig.2.

Exogone breviantennata HARTMANN-SCHRÖDER, 1959.- *Paedophylax verruger* (non CLAPAREDE, 1868) LANGERHANS (1879): 570, fig.25; *Exogone verrugera* non CLAPAREDE, 1868, BELLAN (1969): 40; ?*Paedophylax insignis* LANGERHANS (1879): 570, fig.26.

Material Examined.- Porto Moniz, 8 m depth, calcareous algae, 1 specimen, no.E240432 (DBAUL).

Exogone langerhansi (CZERNIAVSKY, 1881).- *Paedophylax langerhansi* CZERNIAVSKY (1881) (fide HARTMAN, 1959).

Exogone maderensis (CZERNIAVSKY, 1881).- *Paedophylax maderensis* CZERNIAVSKY (1881) (fide HARTMAN, 1959).

Brania pusilla (DUJARDIN, 1839).- *Grubea pusilla*, LANGERHANS (1879): 565, fig.22.

Material Examined.- Porto Moniz, 10 m depth, *Madracis asperula*, 3 specimens, no.E230212 (DBAUL).

Grubeosyllis clavata (CLAPAREDE, 1863).- *Grubea clavata*, LANGERHANS (1879): 564, fig.21.

Grubeosyllis tenuicirrata (CLAPAREDE, 1864).- *Grubea tenuicirrata*, LANGERHANS (1879): 565.

Grubeosyllis limbata (CLAPAREDE, 1868).- *Grubea limbata*, LANGERHANS (1879): 566.

Sphaerosyllis hystrix CLAPAREDE, 1863.- LANGERHANS (1879): 567.

Material Examined.- Porto Moniz, 5 m depth, *Cliona viridis*, 1 specimen, no.E170205 (DBAUL).

Sphaerosyllis pirifera CLAPAREDE, 1868.- LANGERHANS (1879): 567.

Sphaerosyllis ovigera LANGERHANS, 1879.- LANGERHANS (1879): 567, fig.23.

Sphaerosyllis claparedii EHLERS, 1864.- LANGERHANS (1879): 568.

Spermosyllis torulosa CLAPAREDE, 1864.- LANGERHANS (1879): 571.

INDETERMINABLE SPECIES

Exogone oerstedii KÖLLIKER in KOCH, 1846 (*fide* HARTMAN, 1959).- *Oophylax Öerstedii*, LANGERHANS (1879): 563.

Exogone claparedii (LANGERHANS, 1879).- *Paedophylax Claparedii* LANGERHANS (1879): 571 (*fide* SAN MARTIN, 1984).

Exogone cirrata KÖLLIKER in KOCH, 1846 (*fide* HARTMAN, 1959).- *Oophylax cirrata*, LANGERHANS (1879): 563.

Exogone edwardsii KÖLLIKER in KOCH, 1846 (*fide* HARTMAN, 1959).- *Cystonereis Edwardsii*, LANGERHANS (1879): 571.

Paedophylax monilicornis LANGERHANS, 1879.- LANGERHANS (1879): 571 (*fide* SAN MARTIN, 1984).

Mikrosyllis brevicirrata CLAPAREDE, 1863.- LANGERHANS (1879): 572, (*fide* HARTMAN, 1959).

Sphaerosyllis erinacea (non CLAPAREDE, 1863) LANGERHANS, 1879.- LANGERHANS (1879): 567; (1881): 127.

Subfamily Eusyllinae RIOJA, 1925

Eusyllis blomstrandii MALMGREN, 1867.- LANGERHANS (1879): 550 (*in part*).

Eusyllis assimilis MARENZELLER, 1875.- BELLAN (1969): 40; *Eusyllis monilicornis* (non MALMGREN, 1867) LANGERHANS (1879): 551, fig.13.

Material examined.- Santa Cruz, dredging, 50 m depth, 1 specimen (MMF).

Eusyllis tubifex (GOSSE, 1855).- LANGERHANS (1879): 552.

Eusyllis kufferi LANGERHANS, 1879.- LANGERHANS (1879): 552, fig.14.

- Pionosyllis pulligera* (KROHN, 1852).- LANGERHANS (1879): 545.
Pionosyllis divaricata (KEFERSTEIN, 1862).- LANGERHANS (1879): 545.
Pionosyllis lamelligera SAINT JOSEPH, 1856.- *Pionosyllis compacta* (non MALMGREN, 1867), LANGERHANS (1879): 545, fig.10.
Pionosyllis weismanni LANGERHANS, 1879.- LANGERHANS (1879): 546, fig.11.
Opisthodonta morena LANGERHANS, 1879.- LANGERHANS (1879): 547, fig.12.
Odontosyllis gibba CLAPAREDE, 1863.- LANGERHANS (1879): 553; (1881): 127.
Odontosyllis fulgurans AUDOUIN & M. EDWARDS, 1863: LANGERHANS (1879): 554.
 Material Examined.- Porto Moniz, 8 m depth, calcareous algae, 1 specimen no.E240415 (DBAUL).
Odontosyllis dugesiana CLAPAREDE, 1864.- LANGERHANS (1879): 554, fig.15.
Odontosyllis ctenostoma CLAPAREDE, 1868.- LANGERHANS (1879): 555, fig.16.
 Material examined.- Porto Moniz, 8 m depth, calcareous algae, 1 specimen no.E240433 (DBAUL).
Syllides fulvus (MARION & BOBRETZKY, 1875).- *Syllides longocirrata* (non OERSTED 1845), LANGERHANS (1879): 548.
Syllides edentulus (CLAPAREDE, 1868).- *Anoplosyllis edentula*, LANGERHANS (1879): 574.
 Material examined.- Laginha, 4 m depth, coarse sand, 13 specimens no. 15IM, 1 specimen no.16IM (DBAUL).
Amblyosyllis formosa (CLAPAREDE, 1863).- LANGERHANS (1879): 560; ?*Amblyosyllis spectabilis*, ?*A. plectorhyncha*, LANGERHANS (1879): 559-560.
Amblyosyllis lineata GRUBE, 1863.- LANGERHANS (1879): 560.
Amblyosyllis dorsigera CLAPAREDE, 1864.- LANGERHANS (1879): 560.
Amblyosyllis madeirensis LANGERHANS, 1879.- LANGERHANS (1879): 561, fig.19;
Pterosyllis formosa, BELLAN (1969): 40.
Amblyosyllis immatura LANGERHANS, 1879.- LANGERHANS (1879): 561, fig.20.

INDETERMINABLE SPECIES

- Amblyosyllis rhombeata* GRUBE, 1857.- LANGERHANS (1879): 559 (*fide* SAN MARTIN, 1984).
Amblyosyllis finmarchia MALMGREN, 1867.- LANGERHANS (1879): 560 (*fide* SAN MARTIN, 1984).
Amblyosyllis lineolata COSTA, 1864.- LANGERHANS (1879): 560 (*fide* SAN MARTIN, 1984).

Subfamily Syllinae RIOJA, 1925

- Syllis krohnii* EHLERS, 1864.- *Typosyllis (Syllis) Krohnii*, LANGERHANS (1879): 529, fig.2.
Syllis prolifera KROHN, 182.- BELLAN (1969): 39; *Typosyllis (Syllis) prolifera*, LANGERHANS (1879): 530, fig.3; *Syllis (Typosyllis) prolifera*, FAUVEL (1914): 98.

Material Examined.- Porto Moniz, 5 m depth, *Cliona viridis*, 1 specimen, no.E180360 (DBAUL).

Syllis variegata GRUBE, 1860.- BELLAN (1969): 39; *Typosyllis (Syllis) variegata*, LANGERHANS (1879): 532; *T. (Syllis) aurantiaca*, LANGERHANS (1879): 533; *T. (Syllis) armoricana*, LANGERHANS (1879): 533.

Syllis brevicollis EHLERS, 1874.- *Typosyllis (Syllis) brevicollis*, LANGERHANS (1879): 533.

Syllis nigricirris GRUBE, 1863.- *Typosyllis (Syllis) nigricirris*, LANGERHANS (1879): 533.

Syllis vittata GRUBE, 1840.- *Typosyllis (Syllis) vittata*, LANGERHANS (1879): 533.

Syllis fasciata MALMGREN, 1867.- *Typosyllis (Syllis) fasciata*, LANGERHANS (1879): 534.

Syllis amica QUATREFAGES, 1865.- *Typosyllis (Syllis) amica*, LANGERHANS (1879): 534; *Ehlersia (Syllis) simplex* LANGERHANS (1879): 538, fig.6.

Material Examined.- Porto Moniz, 8 m depth, calcareous algae, 4 specimens, no.E240401 (DBAUL).

Syllis vivipara KROHN, 1869.- *Typosyllis (Syllis) vivipara*, LANGERHANS (1879): 534.

Syllis torcuata MARION & BOBRETZKY, 1875.- *Typosyllis (Syllis) torcuata*, LANGERHANS (1879): 535.

Syllis armillaris (MÜLLER, 1771).- BELLAN (1969): 40; *Typosyllis (Syllis) armillaris*, LANGERHANS (1879): 535.

Material examined.- Porto Moniz, 8 m depth, calcareous algae, 1 specimen, no.E240426 (DBAUL).

Syllis hyalina GRUBE, 1863.- *Typosyllis (Syllis) hyalina*, LANGERHANS (1879): 535, fig.4.

Syllis cornuta RATHKE, 1843.- BELLAN (1969): 40; *Ehlersia (Syllis) cornuta*, LANGERHANS (1879): 537.

Material examined.- Laginha, 4 m depth, coarse sand, 1 specimen no.22IM (DBAUL).

Syllis abyssicola EHLERS, 1874.- *Ehlersia (Syllis) abyssicola*, LANGERHANS (1879): 537.

Syllis rosea LANGERHANS, 1879.- *Ehlersia (Syllis) rosea* LANGERHANS (1879): 538, fig.5.

Syllis monilaris SAVIGNY, 1812.- LANGERHANS (1879): 539.

Syllis gracilis GRUBE, 1840.- LANGERHANS (1879): 540, fig.8; BELLAN (1969): 39.

Material Examined.- Porto Moniz, 8 m depth, calcareous algae, 2 specimens, no.E240409 (DBAUL).

Haplosyllis spongicola (GRUBE, 1855).- *Haplosyllis (Syllis) hamata*, LANGERHANS (1879): 527, fig.1; *Syllis spongicola*, LANGERHANS (1879): 541; *Haplosyllis madeirensis* CZERNIAVSKY (1881) (*vide* HARTMAN, 1959).

Material Examined.- Porto Moniz, 10 m depth, *Madracis asperula*, 2 specimens, no.E230221 (DBAUL); 5 m depth, *Cliona viridis*, 2 specimens, no.180340 (DBAUL).

Pseudosyllis brevipennis GRUBE, 1863.- *Typosyllis (Syllis) brevipennis*, LANGERHANS (1879): 534.

Opisthosyllis brunnea LANGERHANS, 1879.- LANGERHANS (1879): 541, fig.7.

Opisthosyllis viridis LANGERHANS, 1879.- LANGERHANS (1879): 543, fig.9.

Xenosyllis scabra (EHLERS, 1864).- LANGERHANS (1879): 548.

Trypanosyllis zebra (GRUBE, 1860).- LANGERHANS (1879): 556, fig.17; BELLAN (1969): 40.

Material Examined.- Porto Moniz, 10 m depth, *Madracis asperula*, 1 specimen, no.E230204 (DBAUL).

Trypanosyllis coeliaca CLAPAREDE, 1868.- LANGERHANS (1879): 557.

Material examined.- Porto Moniz, 5 m depth, *Cliona viridis*, 4 specimens, no.E180302 (DBAUL).

Trypanosyllis aeolis LANGERHANS, 1879.- LANGERHANS (1879): 558, fig.18.

Eurysyllis tuberculata EHLERS, 1864.- LANGERHANS (1879): 574; *Eurysyllis paradoxa*, LANGERHANS (1879): 574, fig.27.

INDETERMINABLE SPECIES

Heterosyllis brachiata CLAPAREDE, 1863.- LANGERHANS (1879): 575 (*vide* HARTMAN, 1959).

Family Nereidae JOHNSTON, 1845

Websterinereis glauca (CLAPAREDE, 1870).- *Leptonereis glauca*, BELLAN (1969): 40; *Leonnates pusillus* LANGERHANS (1880): 279, fig.10.

Nereis zonata MALMGREN, 1867.- *Lycoris procera*, LANGERHANS (1880): 285, fig.21; *Nereis rava*, BELLAN (1969): 41.

Nereis funchalensis (LANGERHANS, 1880).- *Lycoris funchalensis* LANGERHANS (1880): 287, fig. 23.

Neanthes rubicunda (EHLERS, 1868).- *Lycoris rubicunda*, LANGERHANS (1880): 286, fig.22. Material examined.- Laginha, 4 m depth, 1 specimen no.24IM (DBAUL)

Ceratonereis costae (GRUBE, 1840).- LANGERHANS (1880): 280, fig.11, FAUVEL (1914): 185, pl.15, fig.1-8; *Ceratonereis brunnea* LANGERHANS (1884): 255, fig.13.

Ceratonereis vittata LANGERHANS, 1884.- LANGERHANS (1884): 254, fig.12.

Material Examined.- Porto Moniz, 5 m depth, *Cliona viridis*, 2 specimens, no.E180356 (DBAUL); 8 m depth, calcareous algae, 1 specimen, no.E240502 (DBAUL).

Perinereis cultrifera (GRUBE, 1840).- LANGERHANS (1880): 289; BELLAN (1969): 41; *Perinereis floridana*, LANGERHANS (1880): 289, fig.24.

Perinereis oliveirae (HORST, 1889).- BELLAN (1969): 41.

Platynereis dumerilii (AUDOUIN & M. EDWARDS, 1833).- BELLAN (1969): 41; *Leontis Dumerilii*, LANGERHANS (1880): 281, figs.12-20.

Family Glyceridae GRUBE, 1850

Glycera tessellata GRUBE, 1863.- LANGERHANS (1880): 301, fig.36; BELLAN (1969): 42.

Glycera rouxii AUDOUIN & M. EDWARDS, 1833.- BELLAN (1969): 42.

Glycera gigantea QUATREFAGES, 1865

Material Examined.- Garajau, dredging, 50 m depth, 2 specimens (MMF). Santa Cruz, dredging, 40-50 m depth, 1 specimen (DBAUL).

Family Goniadidae KINBERG, 1866

Goniada maculata OERSTED, 1843.- LANGERHANS (1880): 302, fig.37; BELLAN (1969): 42.

Family Nephtyidae GRUBE, 1860

Nephtys hombergi SAVIGNY, 1818.- BELLAN (1969): 42; *Nephtys Hombergi*, LANGERHANS (1880): 302, fig.38; *Nephtys Langerhansi* CZERNIAVSKY (1882) (*vide* HARTMAN, 1959).

Material examined.- Machico, dredging, 10-20 m depth, 4 specimens (MMF).

Nephtys paradoxa MALMGREN, 1874.- BELLAN (1969): 42.

Nephtys incisa MALMGREN, 1865.- BELLAN (1969): 42.

Nephtys cirrosa EHLERS, 1868.- BELLAN (1969): 42.

Nephtys caeca (FABRICIUS, 1780)

Material Examined.- Machico, dredging, 10 m depth, 1 specimen (MMF).

Aglaophamus agilis (LANGERHANS, 1880).- *Nephtys agilis* LANGERHANS (1880): 304, fig.39.

Aglaophamus rubella (MICHAELSEN, 1879).- *Nephtys rubella*, BELLAN (1969): 42.

Family Tomopteridae GRUBE, 1843

Tomopteris scolopendra KEFERSTEIN, 1861.- LANGERHANS (1881): 88.

Tomopteris niseni ROSA, 1908

Material examined.- St.34 Challenger, 5 specimens (MMF); St.41 Challenger, 3 specimens; St.42 Challenger, 18 specimens (MMF).

Tomopteris septentrionalis QUATREFAGES, 1865

Material examined.- St.34 Challenger, 1 specimen (MMF); St. 42 Challenger, 2 specimens (MMF).

Family Typhloscolecidae ULJANIN, 1878

Typhloscolex muelleri BUSCH, 1851.- *Typhloscolex Mülleri*, LANGERHANS (1881): 87.

Order Amphinomida

Family Amphinomidae SAVIGNY, 1818

Hermodice carunculata (PALLAS, 1766).- BELLAN (1969): 38; *Amphinome carunculata*, LANGERHANS (1880): 277, fig.8.

Material Examined.- Garajau, dredging, 30-70 m depth, 13 specimens (MMF).

Eurythoe complanata (PALLAS, 1766)

Material examined.- Porto Moniz, 7 m depth, under stones, 4 specimens (DBAUL).

Chloeia viridis SCHMARDA, 1861.- *Chloeia modesta*, FAUVEL (1914): 90 (*fide* ARIÑO, 1986).

Family Euphosinidae WILLIAMS, 1851

Euphosine armadillo SARS, 1851.- *Euphosyne armadillo*, LANGERHANS (1884): 253, fig.10.

Order Eunicida

Family Onuphidae KINBERG, 1865

Diopatra neapolitana DELLE CHIAJE, 1841.- BELLAN (1969): 43; *Diopatra madeirensis* LANGERHANS (1880): 290, fig.25.

Material Examined.- Santa Cruz, dredging, 20 m depth, 1 specimen (MMF).

Diopatra brevicirris GRUBE, 1856.- LANGERHANS (1881): 127

Hyalinoecia tubicola (MÜLLER, 1776).- LANGERHANS (1880): 291, fig.26; FAUVEL (1914): 131, pl.11, fig.27, 28; BELLAN (1969): 43.

Hyalinoecia bilineata BAIRD, 1870.- BELLAN (1969): 44; *Hyalinoecia rubra* LANGERHANS (1880): 292, fig.27; FAUVEL (1914): 133.

Material examined.- Garajau, dredging, 50 m depth, 1 specimen (DBAUL); Garajau, dredging, 30 m depth, 1 specimen (MMF); Santa Cruz, dredging, 20-50 m depth, 9 specimens (MMF); Machico, Van Veen grab, 20 m depth, 1 specimen (MMF).

Nothria conchylega (SARS, 1835).- *Onuphis conchylega*, BELLAN (1969): 43.

Nothria lepta (CHAMBERLIN, 1919).- *Onuphis lepta*, BELLAN (1969): 43.

Onuphis eremita AUDOUIN & M. EDWARDS, 1833.- BELLAN (1969): 43.

Family Eunicidae SAVIGNY, 1818

Eunice vittata (DELLE CHIAJE, 1828).- LANGERHANS (1880): 293; BELLAN (1969): 43.

Material examined.- Santa Cruz, Agasiz trawl, 40-50 m depth, 2 specimens (MMF).

Eunice harassii AUDOUIN & M. EDWARDS, 1833.- BELLAN (1969): 42; *Eunice Harassii*, LANGERHANS (1880): 294.

Eunice cariboea GRUBE, 1865.- LANGERHANS (1884): 256, fig.14.

Palola siciliensis (GRUBE, 1840).- *Eunice siciliensis*, LANGERHANS (1880): 294; *E. (Palola) siciliensis*, BELLAN (1969): 43; ?*Eunice madeirensis* BAIRD (1870) (*fide* FAUCHALD, 1992).

Material examined.- Porto Moniz, 5 m depth, *Cliona viridis*, 1 specimen no.E170301 (DBAUL).

Marphysa fallax MARION & BROBETZKI, 1875.- BELLAN (1969): 43.

Marphysa johnsoni (LANGERHANS, 1880).- *Amphiro Johnsoni* LANGERHANS (1880): 294, fig.28.

Marphysa simplex (LANGERHANS, 1884).- *Amphiro simplex* LANGERHANS (1884): 256,

fig.15.

Lysidice ninetta AUDOUIN & M. EDWARDS, 1833.- LANGERHANS (1880): 295.

Nematonereis unicornis (GRUBE, 1840).- LANGERHANS (1880): 295.

Material examined.- Laginha, 4 m depth, coarse sand, 1 specimen no.26IM (DBAUL); Porto Moniz, 5 m depth, *Petrosisa ficiformis*, 1 specimen no.E200201 (DBAUL).

Family Lumbrineridae MALMGREN, 1867

Lumbrineris latreilli AUDOUIN & M. EDWARDS, 1834.- *Lumbriconereis latreilli*, BELLAN (1969): 44.

Lumbrineris scopa FAUCHALD, 1974.- *Lumbriconereis fragilis* (non MÜLLER, 1776) LANGERHANS (1880): 297, fig.30.

Material examined.- Garajau, dredging, 30 m depth, 2 specimens (MMF); Machico, Van Veen Grab, 30 m depth, 1 specimen (DBAUL).

Lumbrineris funchalensis (KINBERG, 1865).- *Lumbriconereis funchalensis* KINBERG (1865): 569; LANGERHANS (1880): 297, fig.29.

Material examined.- Laginha, 4 m depth, coarse sand, 1 specimen no.27IM (DBAUL); Porto Moniz, 8 m depth, calcareous algae, 1 specimen no.240301 (DBAUL).

Lumbrineris gracilis (EHLERS, 1868).- *Lumbriconereis gracilis*, LANGERHANS (1880): 298, fig.31; BELLAN (1969): 44.

Lumbrineris coccinea (RENIER, 1804).- *Lumbriconereis coccinea*, LANGERHANS (1884): 257; BELLAN (1969): 44.

Lumbrineris cingulata (EHLERS, 1897)

Material Examined.- Santa Cruz, dredging, 30-50 m depth, 3 specimens (MMF); Machico, dredging 20 m depth, 1 specimen (MMF).

Lumbrineris impatiens (CLAPAREDE, 1868).- *Lumbriconereis impatiens*, BELLAN (1969): 44.

INDETERMINABLE SPECIES

Lumbriconereis madeirensis KINBERG, 1865 (*fide* HARTMAN, 1959)

Family Oeonidae KINBERG, 1865

Halla sulfurea LANGERHANS, 1880.- LANGERHANS (1880): 298, fig.32.

Family Dorvilleidae CHAMBERLIN, 1919

Dorvillea rubrovittata (GRUBE, 1855).- *Staurocephalus erucaeformis*, LANGERHANS (1880): 299, fig.33; *S. rubro-vittatus*, FAUVEL (1914): 153; BELLAN (1969): 45.

Schistomeringos rudolphii (DELLE CHIAJE, 1828).- *Staurocephalus Rudolfii*, LANGERHANS (1880): 300, fig.34; *Stauronereis Maderiae* VERRILL (1900) (*fide* HARTMAN, 1959).

Dorvillea pallida (LANGERHANS, 1880).- *Staurocephalus pallidus* LANGERHANS (1880): 300, fig.35.

Ophryotrocha puerilis CLAPAREDE & MECZNIKOW, 1863.- *Staurocephalus minimus* LANGERHANS (1884): 257, fig.16.

Order Orbiniida

Family Orbiniidae HARTMAN, 1942

Protoaricia oerstedii (CLAPAREDE, 1864).- *Aricia acustica* LANGERHANS (1881): 88, fig.1.

INDETERMINABLE SPECIES

Portia maderensis GRUBE, 1859.- *Portia maderensis*, LANGERHANS (1881): 127 (*fide* HARTMAN, 1959).

Order Spionida

Family Spionidae GRUBE, 1850

Aonides oxycephala (SARS, 1862).- BELLAN (1969): 45.

Paraspio mecznicowianus (CLAPAREDE, 1869).- *Spio atlanticus* LANGERHANS (1881): 89, fig.2.

Prionospio steenstrupi MALMGREN, 1867.- LANGERHANS (1881): 90, fig.3, (*fide* MACIOLEK, 1985).

Polydora langerhansi MESNIL, 1896.- *Polydora ciliata* var. *minuta*, LANGERHANS (1881): 91 (*fide* HARTMAN, 1959)

Polydora armata LANGERHANS, 1880.- LANGERHANS (1881): 93, fig.5

Scolecopsis bonnieri MESNIL, 1896

Material Examined.- Machico, Van Veen grab, 50 m depth, 1 specimen (MMF).

HOMONYM SPECIES

Polydora hamata LANGERHANS, 1881.- LANGERHANS (1881): 92, fig.4. Homonym with *Polydora hamata* WEBSTER, 1879 (*fide* HARTMAN, 1959).

Family Chaetopteridae MALMGREN, 1867

Chaetopterus variopedatus (RENIER, 1804).- FAUVEL (1914): 265; BELLAN (1969): 45.

Phyllochaetopterus socialis CLAPAREDE, 1870.- *Chaetopterus socialis*, BELLAN (1969): 45.

Spiochaetopterus typicus SARS, 1856.- *Spiochaetopterus madeirensis* LANGERHANS (1881): 94, fig.6.

Family Cirratulidae CARUS, 1863

Dodekaceria concharum OERSTED, 1843.- *Dodekaceria concharum*, LANGERHANS (1881):

96, fig.8.

Cirriiformia filigera (DELLE CHIAJE, 1828).- *Audouinia filigera*, LANGERHANS (1881): 97.

Cirratulus glandularis (LANGERHANS, 1884).- *Archidice glandularis* LANGERHANS (1884): 259, fig.18.

Cirratulus filiformis KEFERSTEIN, 1862.- LANGERHANS (1881): 98.

Caulleriella bioculata (KEFERSTEIN, 1862).- *Cirratulus viridis* LANGERHANS (1881): 98, fig.9.

Material examined.- Laginha, 4 m depth, coarse sand, 4 specimens no.41IM (DBAUL).

Chaetozone macrophthalma LANGERHANS, 1881.- LANGERHANS (1881): 98, fig.10.

Family Acrocirridae BANSE, 1965

Macrochaeta clavicornis (SARS, 1835).- LANGERHANS (1881): 95, fig.7.

Order Capitellida

Family Capitellidae GRUBE, 1862

Leiocapitella dollfusi (FAUVEL, 1936).- BELLAN (1969): 47.

Notomastus latericius SARS, 1851.- LANGERHANS (1884): 259.

Material Examined.- Santa Cruz, dredging, 30 m depth, 1 specimen (MMF).

Notomastus roseus LANGERHANS, 1881.- LANGERHANS (1881): 99, fig.11.

Capitella capitata (FABRICIUS, 1780).- LANGERHANS (1884): 260.

Capitomastus minimus (LANGERHANS, 1881).- *Capitella minima* LANGERHANS (1881): 99, fig.12.

Family Maldanidae MALMGREN, 1867

Praxillella gracilis (SARS, 1861).- *Clymene gracilis*, BELLAN (1969): 47.

INDETERMINABLE SPECIES

Axiothella cirrifera (LANGERHANS, 1881).- *Axiothea cirrifera* LANGERHANS (1881): 103, fig.16, (*vide* HARTMAN, 1959).

Order Opheliida

Family Opheliidae MALMGREN, 1867

Ophelia neglecta SCHNEIDER, 1892.- BELLAN (1969): 46.

Ammotrypane aulogaster RATHKE, 1843.- BELLAN (1969): 46.

Polyophthalmus pictus (DUJARDIN, 1839).- LANGERHANS (1881): 100; BELLAN (1969): 46.

Material examined.- Laginha, 4 m, coarse sand, 1 specimen no.42IM (DBAUL).

Armandia cirrhosa FILIPPI, 1861.- *Armandia oligops*, LANGERHANS (1881): 101, fig.13.

Order Oweniida

Family Oweniidae RIOJA, 1917

Owenia fusiformis DELLE CHIAJE, 1844.- BELLAN (1969): 46.

Myriochele heeri MALMGREN, 1867.- LANGERHANS (1881): 104, fig.15; BELLAN (1969): 47.

Order Flabelligerida

Family Flabelligeridae SAINT-JOSEPH, 1894

Brada inhabilis (RATHKE, 1843).- LANGERHANS (1881): 102, fig.14.

Brada glabra HARTMAN, 1960.- BELLAN (1969): 46.

Pherusa plumosa (MÜLLER, 1776).- *Stylaroides plumosa*, BELLAN (1969): 46.

Order Terebellida

Family Ampharetidae MALMGREN, 1867

Ampharete minuta LANGERHANS, 1881.- LANGERHANS (1881): 105, fig.19.

Ampharete gracilis MALMGREN, 1866.- *Ampharete grubei*

Amage adspersa (GRUBE, 1863).- LANGERHANS (1884): 261, fig.19.

Amage galassi MARION, 1875.- BELLAN (1969): 47.

Melinna cristata SARS, 1851

Material Examined.- Santa Cruz, dredging, 30 m depth, 1 specimen (MMF).

Family Terebellidae MALMGREN, 1867

Janice conchilega (PALLAS, 1766).- LANGERHANS (1881): 106, fig.20; BELLAN (1969): 48.

Nicolea venustula (MONTAGU, 1818).- BELLAN (1969): 48.

Pista cristata (MÜLLER, 1776).- BELLAN (1969): 48.

Phisidia oculata (LANGERHANS, 1881).- *Leaena oculata* LANGERHANS (1880): 108, fig.22; (1884): 262, fig.22.

Thelepus cincinnatus (FABRICIUS, 1780).- *Phenacia terebelloides* LANGERHANS (1881): 107, fig.21.

Polycirrus aurantiacus GRUBE, 1860.- LANGERHANS (1881): 108, fig.23, 52; BELLAN (1969): 48.

Polycirrus triglandula LANGERHANS, 1881.- LANGERHANS (1881): 109, fig.24.

Polycirrus tenuisetis LANGERHANS, 1881.- LANGERHANS (1881): 110, fig.25.

Polycirrus haematodes (CLAPAREDE, 1864).- LANGERHANS (1884): 265, fig.26.

Polycirrus pallidus (CLAPAREDE, 1864).- LANGERHANS (1884): 266, fig.27.

Lysilla nivea LANGERHANS, 1884.- LANGERHANS (1884): 264, fig.25.

Proclea graffii (LANGERHANS, 1884).- *Leaena Graffii* LANGERHANS (1884): 262, fig.21.

Eupolymnia nebulosa (MONTAGU, 1818).- *Terebella Meckelii*, LANGERHANS (1884): 263, fig.23.

Eupolymnia nesidensis (DELLE CHIAJE, 1828).- *Terebella (Physalia) flavescens*, LANGERHANS (1884): 264, fig.24.

Eupistella dibranchiata (FAUVEL, 1909).- *Eupista dibranchiata*, (FAUVEL, 1914): 303, pl.38, fig.1-12.

Family Trichobranchidae MALMGREN, 1866

Octobranchus lingulatus (GRUBE, 1863).- *Octobranchus Giardi*, LANGERHANS (1884): 261, fig.20.

Trichobranchus glacialis MALMGREN, 1866.- LANGERHANS (1884): 262.

Order Sabellida

Family Sabellidae MALMGREN, 1867

Potamilla polyophthalmos GRUBE, 1878.- *Sabella (Potamilla) reniformis* var. *polyophthalmos*, LANGERHANS (1884): 266, fig.28.

Potamilla torelli MALMGREN, 1866.- BELLAN (1969): 49; *Sabella (Potamilla) Torelli*, LANGERHANS (1881): 112, fig.26; *Potamilla incerta* LANGERHANS (1884): 267, fig.29.

Potamilla socialis LANGERHANS, 1884.- LANGERHANS (1884): 268, fig.30.

Potamilla neglecta (SARS, 1851).- *Sabella (Potamilla) rubra* LANGERHANS (1880): 113, fig.27.

Potamilla reniformis (LINNAEUS, 1788).- BELLAN (1969): 48; *Sabella (Potamilla) reniformis*, LANGERHANS (1881): 112.

Pseudopotamilla stichophthalmos (GRUBE, 1863).- *Potamilla stichophthalmos*, BELLAN (1969): 49; *Sabella (Potamilla) stichophthalmos*, LANGERHANS (1884): 267.

Megalomma vesiculosum (MONTAGU, 1815).- *Megalomma vesiculosum*, LANGERHANS (1884): 268, fig.31; *Branchiomma vesiculosum*, FAUVEL (1914): 317.

Sabella pavonica SAVIGNY, 1822.- BELLAN (1969): 48.

Sabella variabilis LANGERHANS, 1884.- LANGERHANS (1884): 269, fig.32.

Jasmineira candela (GRUBE, 1863).- LANGERHANS (1884): 270, fig.33; *Jasmineira oculata* LANGERHANS (1884): 270, fig.34 (*vide* HARTMAN, 1959).

Jasmineira caudata LANGERHANS, 1881.- LANGERHANS (1881): 114, fig.32.

Chone duneri MALMGREN, 1867.- LANGERHANS (1881): 114, fig.44.

Chone arenicola LANGERHANS, 1881.- LANGERHANS (1881): 115, fig.28.

Chone collaris LANGERHANS, 1881.- LANGERHANS (1881): 116, fig.29.

Chone infundibiliformis KROYER, 1856.- BELLAN (1969): 49.

Euchone rubrocincta (SARS, 1861).- BELLAN (1969): 49.

Oriopsis armandi (CLAPAREDE, 1864).- *Oria Armandi*, LANGERHANS (1880): 116, fig.30.

Oriopsis eimeri (LANGERHANS, 1881).- *Oria Eimeri* LANGERHANS (1881): 117, fig.31.

- Fabricia nigra*** LANGERHANS, 1881.- LANGERHANS (1881): 117, fig.33.
Fabricia sabella (EHRENBERG, 1837).- LANGERHANS (1884): 271; *Pabricia sabella*, BELLAN (1969): 49.
Euchone rosea LANGERHANS, 1884.- LANGERHANS (1884): 271, fig.35.
Myxicola infundibulum (RENIER, 1804).- *Leptochone parasites*, LANGERHANS (1884): 272, fig.37.

INDETERMINABLE SPECIES

Leptochone violacea LANGERHANS (1884): 271, fig.36 (*fide* HARTMAN, 1959).

Family Serpulidae SAVIGNY, 1818

- Serpula vermicularis*** LINNAEUS, 1767.- LANGERHANS (1881): 118, fig. 34; FAUVEL (1914): 320; ZIBROWIUS (1968): 375.
Serpula concharum LANGERHANS, 1881.- LANGERHANS (1881): 118, fig.35; ZIBROWIUS (1968): 376.
Vermiliopsis infundibulum (PHILIPPI, 1844).- FAUVEL (1914): 343; *Vermilia infundibulum*, LANGERHANS (1881): 119, fig.36; *Vermilia spirorbis* LANGERHANS (1884): 279, fig.41 (*fide* ZIBROWIUS, 1968); ZIBROWIUS (1968): 376, fig.1-3.
Metavermilia multicristata (PHILIPPI, 1844).- *Vermilia clavigera*, LANGERHANS (1884): 279, fig.42; *V. multicostata*, LANGERHANS (1884): 280, fig.43 (*fide* ZIBROWIUS, 1968, 1973); ZIBROWIUS (1968): 377.
Semivermilia torulosa (DELLE CHIAJE, 1822).- *Vermilia rugosa* LANGERHANS (1884): 280, fig.44 (*fide* ZIBROWIUS, 1973); *Vermiliopsis rugosa*, ZIBROWIUS (1968): 377, fig.4-6.
Semivermilia crenata (O.G. COSTA, 1861).- *Vermiliopsis undulata* ZIBROWIUS (1968): 378 (*fide* ZIBROWIUS, 1973)
Filogranula calyculata (O.G. COSTA, 1861).- *Omphalopoma cristata* LANGERHANS (1884): 281, fig.46 (*fide* ZIBROWIUS, 1973); ZIBROWIUS (1968): 378, fig.7.
Filogranula gracilis LANGERHANS, 1884.- LANGERHANS (1884): 282, fig.47; *Omphalopoma gracilis*, ZIBROWIUS (1968): 379, fig.8.
Janita fimbriata (DELLE CHIAJE, 1828).- *Omphalopoma spinosa* LANGERHANS (1884): 281, fig.45 (*fide* ZIBROWIUS, 1973); *Omphalopomopsis fimbriata*, ZIBROWIUS (1968): 379, fig.9.
Spirobranchus polytrema (PHILIPPI, 1844).- *Vermilia polytrema*, LANGERHANS (1881): 119, fig.37; *Vermilia polytrema* var. *digitata*, LANGERHANS (1884): 282, fig.48; ZIBROWIUS (1968): 380, fig.10-12; *Pomatostegus polytrema*, FAUVEL (1914): 348, pl.30, fig.9-11.
Placostegus langerhansi MARENZELLER, 1893.- *Placostegus tricuspis*, LANGERHANS (1881): 120, fig.38; LANGERHANS (1884): 275, fig.38 (*fide* ZIBROWIUS, 1968); ZIBROWIUS (1968): 380, fig.16,17.

Placostegus tridentatus (FABRICIUS, 1779).- LANGERHANS (1884): 275, fig.39; ZIBROWIUS (1968): 383.

Ditrupa arietina (O. F. MÜLLER, 1776).- LANGERHANS (1881): 121, fig.39; FAUVEL (1914): 346; ZIBROWIUS (1968): 383, fig.18.

Hyalopomatus marenzelleri LANGERHANS, 1884.- LANGERHANS (1884): 278, fig.49; *Hyalopomatopsis marenzelleri*, ZIBROWIUS (1968): 385, fig.19-23.

Josephella marenzelleri CAULLERY & MESNIL, 1896.- ZIBROWIUS (1968): 386.

Salmacina dysteri (HUXLEY, 1855).- FAUVEL (1914): 329, pl.30, fig.28; *Salmacina aedificatrix*, LANGERHANS (1881): 122, fig.40.

Salmacina setosa LANGERHANS, 1884.- LANGERHANS (1884): 276, fig.40.

Salmacina incrustans CLAPAREDE, 1870.- LANGERHANS (1881): 122, fig.45.

Protula tubularia (MONTAGU, 1803).- *Psygmobranchus protensus*, LANGERHANS (1884): 276 (fide HARTMAN, 1959).

Protula similis (MARION & BOBRETZKY, 1875).- *Apomatus similis*, LANGERHANS (1884): 277.

Family Spirorbidae PILLAI, 1970

Laeospira granulatus (LINNAEUS, 1767).- *Spirorbis granulatus*, LANGERHANS (1881): 123, fig.41.

Laeospira sp.- ZIBROWIUS (1968): 388.

Janua pagenstecheri (QUATREFAGES, 1865).- *Spirorbis Pagenstecheri*, LANGERHANS (1881): 123, fig.42.

Spirorbis corrugatus (MONTAGU, 1803).- LANGERHANS (1881): 124, fig.43.

ARCHIANNELIDA

Family Protodrilidae CZERNIAVSKY, 1881

Saccocirrus papillocercus BOBRETZKY, 1872.- LANGERHANS (1881): 101, fig.17, 18.

Protodrilus schneideri (LANGERHANS, 1881).- *Polygordius Schneideri* LANGERHANS (1881): 125, fig.46-51.

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