

ARACHNIDA.

1. Mandibles.
2. Maxillæ.
3. Labium or second maxillæ.
- 4, 5, 6, 7. Legs.

PYCNOGONOIDEA.

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| { | Trunk corresponding to 1, mandibles, and 2, maxillæ. |
| | 3. Ovigerous legs. |
| | 4, 5, 6, 7. Legs. |

Internal Structure.—Upon this subject, we enter into no discussions, simply referring to our figure 2, Plate 96, made February, 1842 (and therefore, before having seen the researches by Quatrefages, which were published in 1844). It represents the alimentary cavity as a tube running the length of the body, and sending a branch into each leg to its extremity, besides two branches into the trunk.

Arrangement of the Pycnogonoidea.

FAM. I. NYMPHIDÆ.

Antennæ elongatæ, 1-2-rameæ.

- G. 1. NYMPHUM, *Fabr.**—Antennæ birameæ, ramo crassiore chelato, altero 5-articulato. Truncus ad basin vix angustior. Abdomen uni-articulatum.
- G. 2. AMMOTHEA, *Leach.*—*Nympho* affinis. Ramus antennæ longior 9-articulatus.
- G. 3. ZETES, *Kröyer.*†—Antennæ birameæ, ramis gracilibus. Truncus ad basin multo angustior. Abdomen 2-articulatum.
- G. 4. PALLENE, *Johnston.*—Antennæ unirameæ, chelatæ, sat crassæ. Abdomen 1-articulatum. Pedes 1mi (ovigeri) 11-articulati.
- G. 5. PHOXICHILIDIUM, *Edw.*‡—*Pallene* affinis. Pedes 1mi (ovigeri) 5-articulati.
- G. 6. PASITHOE, *Goodsir.*§—Antennæ unirameæ, non chelatæ, graciles.

FAM. II. PYCNOGONIDÆ.

Antennæ nullæ.

- G. 1. PYCNOGONUM, *Brünnich.*—Pedes breves. Pedes ovigeri 10-11-articulati.
- G. 2. PHOXICHILUS, *Latr.*—Pedes prælongi, gracillimi.

* *Pepredo*, H. D. S. Goodsir, Jameson's J., xxxii. 137.

† Tidsskr. [2], i.

‡ *Orythia*, Johnston, Mag. Zool. Bot., i. 378.

§ Jameson's Jour., xxxiii. 367.