

2lique ramis bene subulati, 3tii simplicissimi, subulati, spinâ crassâ confecti." G. 2. *Leucothoe*, Leach.—"Epimeræ magnæ, 5tæ parvulæ. Pedes 4 antici subchelati, 2dis validioribus. Antennæ superiores longiores, non appendiculatæ. Mandibulæ palpigeræ. Styli caudales toti biramei, ramis subulatis."

"[Cujus sedis est *Microcheles*, Kröyer, *Amphithoe* affinis, cui mandibulæ processu molari carentes: quoque *Amphithoe Marionis*, Edw., cui mandibulæ non palpigeræ.]"

Subfam. 4. Gammarinæ, with various divisions and subdivisions, contains G. 1. *Acanthonotus*, Owen; G. 2. *Alibrotus*, Edw.; G. 3. "Leptochirus," Zaddach; G. 4. *Iphimedia*, Rathke, D. "Epimeræ magnæ, 4tæ maximæ, 5tis multo brevioribus et vix bilobatis. Styli caudales postici ramis duobus oblongis consimilibus apice setigeris et non uncinatis instructi. Antennæ 1mæ sæpius breviores," with a note, "*Dexamine* of Leach, may perhaps be included here," to which he adds that the genus *Hyalæ* of H. Rathke, contains no characters in its description by this author which do not apply equally well to species of *Iphimedia*; G. 5. *Oedicerus*, Kröyer, "*Iphimediæ* affinis;" G. 6. *Amphithoe*, Leach, D. "(includes *Pherusa* of Leach)"; "Epimeræ magnæ, 5tæ maximæ, vix bilobatæ lobo posteriore minimo. Styli caudales postici ramis duobus brevibus dissimilibus instructi, ramo externo apice recurvatim bi-uncinato, interno compresso apice non spinuloso sed pilis parce ciliato. Antennæ 1mæ sæpissime longiores;" G. 7. *Gammarus*, Fabr. D., with notes upon *Amathia*, Rathke, and *Eusirus*, Kröyer; G. 8. *Photis*, Kröyer; G. 9. *Melita*, Leach, D. "Epimeræ 5tæ 4tis multo breviores (sic an semper?). Styli caudales uno ramo longo, sive subcylindrico sive foliaceo, altero brevi vel obsoleto. [Digitus in manus latus sæpe claudens]. Antennæ 1mæ sæpius longiores." To *Photis* and *Melita* he assigns "*Antennæ 1mæ non appendiculatæ*," and then under "*antennæ 1mæ appendiculatæ*," he places G. 10. *Mæra*, Leach, D.—"Epimeræ et styli caudales postici ac in *Melita*." Under the heading "*Styli caudales postici simplicissimi, ramo uno brevi et nudo, apice paulo reflexo et spinas duas perbreves paulo exsertas gerente*," he places G. 11. *Dercythoe*, Dana.—"Epimeræ mediocres, 5tæ bene bilobatæ, 4tis sæpius vix breviores. Pedes 1mi 2dique digito uni-articulato confecti"; G. 12. *Pyctilus*, Dana (*Erichthonius*, Edw. ?)—"Epimeræ mediocres vel breves corpore lineari, subdepresso. Antennæ longæ, flagellis sat longis. Manus 1mæ articulis 4to 5toque sæpe instructæ, digito uni-articulato; 2dæ digito 2-articulato;" G. 13. "(An hujus sedis?) *Pardalisca*, Kröyer. He then gives in a separate section, G. 14. *Atylus*, Leach; G. 15. *Ischyrocerus*, Kröyer.

The second main division of the Gammaridæ has "Pedes 10 postici partim prehensiles."

Subfam. 5. Pontoporinæ. G. 1. *Lepidactylis*, Say; G. 2. *Pontiporeia*, Kr.; G. 3. *Ampelisca*, Kr.; G. 4. *Protomedeia*, Kr.; G. 5. *Aora*, Kr.; G. 6. *Phoxus*, Kr. Subfam. 6. Isæinæ. G. 1. *Isæa*, Edw.; G. 2. *Anisopus*, Templeton. He doubts whether *Laphystius*, Kröyer, belongs to the *Isæinæ* or *Corophidæ*.

Of "Subtribus III. Hyperidea," he says, "In the first family of the Hyperidea, (the *Hyperidæ*), neither of the 5 posterior pairs of legs are subchelate, and the antennæ are not folded up beneath the head or thorax. In the second (the *Phronimidæ*), one or more of the 3 posterior pairs of legs are subchelate or much enlarged, apparently for grasping in coition, and the antennæ are as in the *Hyperidæ*. The third family (the *Typhidæ*), differs from both the preceding in the concealment and folding of the inferior antennæ beneath the head or thorax, and in many of the species, the abdomen closes up against the venter."

The Hyperidea he arranges thus:—Fam. 1. Hyperidæ. "Antennæ 2dæ exsertæ. Abdomen in ventrem se non flectens. Pedes 5ti 6ti 7mique formâ longitudineque mediocres, 5tis 6tisque non percrassis nec prehensilibus." Subfam. 1. Vibilinæ. G. 1. *Vibilia*, Edw. Subfam. 2. Hyperinæ. G. 1. *Lestrigonus*, Edw.; G. 2. *Tyro*, Edw.; G. 3. *Hyperia*, Latr.; G. 4. *Metæcus*, Kröyer; G. 5. *Tauria*, Dana, "Antennæ ac in *Hyperidæ*. Pedes 2di non prehensiles, articulo 4to apice inferiore non expanso nec producto"; G. 6. *Daira*,