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PROCEEDINGS
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NOTES ON MOLLUSCAN NOMENCLATURE.

BY WILLIAM HEALEY DALL.



As several manuscript reports and memoirs, containing incidentally some changes in and additions to molluscan classification by the writer, have been for some time completed and are likely to be still further delayed before publication it is thought best to print a brief preliminary note on the more important nomenclatorial items.

Genus *Admete* Kroyer, new section **Microcancilla** Dall; type *Admete microscopica* Dall, 1889.

Genus *Astyris* H. & A. Adams, new section **Fluella** Dall; type *Astyris* (*Fluella*) **vidua** Dall, n. sp. Shell like *Astyris* but spirally sculptured without conspicuous axial sculpture. The type is white and thin with an inflated smooth nucleus and about three subsequent well rounded whorls. Length 4 mm. U. S. Nat. Mus. Cat. No. 108002. Deep water off Florida.

New section **Plectaria** Dall, type *Astyris* (*Plectaria*) **crumena** Dall, n. sp. Shell small, like *Astyris* but with predominant axial sculpture, smooth inflated nucleus, and very fine spiral lineation. The type is white, with three well rounded whorls, 4 mm. long. U. S. Nat. Mus. Cat. No. 108006. With the last. *Astyris albella* C. B. Adams, may be referred here.

New section **Parasagena** Dall; type *Astyris* (*Parasagena*) **georgiana** Dall, n. sp. Shell like *Astyris* but with a sharply cut open reticular sculpture. The type is translucent white, biconic, with a smooth inflated nucleus and about four moderately convex subsequent whorls. Length 5 mm. U. S. Nat. Mus. Cat. No. 108311. Deep water off Georgia.

This species has a vitreous aspect and wide shallow reticulation.

Genus *Laskeya* Iredale. New section **Onchodia** Dall; type *Laskeya* (*Onchodia*) **benthica** Dall, n. sp. Deep water forms with a swollen nuclear whorl, the next whorl more constricted, usually axially ribbed with or without spiral lines, the following whorls strongly axially ribbed. The type is glassy white, with about seven subsequent whorls, fourteen ribs and two spiral cords, beaded at the intersections. Length 6 mm. U. S. Nat. Mus. Cat. No. 108344. Off Georgia in deep water, common.

Genus *Trichotropis* Sowerby. New section **Iphinopsis** Dall, type *Iphinoë kelseyi* Dall, 1908, San Diego, Cal. Shell small, without the hairy periostracum of *Iphinoë*, but of similar form; deep water species.

Genus *Megasystropha* Lea, Jan. 1864; type *Planorbis newberryi* Lea, 1858+*Carinifex* Binney, Sept., 1865.

Genus *Vorticifex* Meek (*Vortifex* by typographical error), 1870, sole example *Carinifex (Vorticifex) tryoni* Meek.

New section **Paradines** Dall, type *Carinifex binneyi* Meek, 1870. Pliocene.

Genus *Orygoceras* Brusina, 1882. No type selected.

Section *Orygoceras* s. s. Type *O. cornucopiae* Brusina. Balkan Pliocene.

New section **Ibicicornu** Dall. Type *O. fistula* Brusina.

New section **Bovillina** Dall. Type *O. corniculum* Brusina.

New section **Incilicornu** Dall. Type *O. leptonema* Brusina.

New Genus **Payettia** Dall. Type *Latia dalli* C. A. White, 1882. Pliocene lake beds of the Snake River valley, Idaho.

Genus *Rochefortia* Vélain.

New subgenus **Rochefortina** Dall. Type **R. semele** Dall, n. sp. Beaks subcentral; external sculpture radial and concentric; a small prodissoconch; hinge formula $\frac{L\ 1.0\ r\ 1.0}{R\ 0.1\ r\ 0.1}$ Type small, oval, with a minute escutcheon but no lunule; pallial line obscure; length 3.2 mm. U. S. Nat. Mus. Cat. No. 333070. Oahu, H. T.

Genus *Tellina* Linné.

New subgenus **Scissulina** Dall. Type *T. dispar* Conrad, 1837. Hinge of *Macoma*, the oblique sculpture only on one valve. Hawaiian Islands.

Genus *Crassispira* Swainson.

New subgenus **Ceritoturris** Dall. Type **C.? bittium** Dall, n. sp. Shell minute, recalling one of the minute brackish water species of *Bittium*. Nucleus blunt, the second whorl with a peripheral keel and seven subsequent moderately rounded, axially and spirally sculptured whorls, the canal almost obsolete. Length 7 mm. U. S. Nat. Mus. Cat. No. 338625. Hawaiian Ids.

Genus *Daphnobela* Cossmann.

New subgenus **Carinapex** Dall. Type *Drillia minutissima* Garrett, 1873. Hawaii.

Genus *Turricula* Schumacher, 1817.

Subgenus? **Mordica** Dall. Type **M. brunonia** Dall, n. sp. Minute shell with an absurdly accurate resemblance to the large species of *Turricula*; with inflated whorls, constricted suture and relatively long canal. Type with slender brown nucleus of four long axially ribbed whorls and three and a half subsequent inflated whorls; seven axial ribs, and a deep anal sulcus close to the suture. Length 3 mm. U. S. Nat. Mus. Cat. No. 338671. Hawaiian Islands.

Tritonoturris n. g. Dall. Type *Clathurella robillardi* Barclay, 1869. Mauritius. This has obviously nothing in common with *Clathurella*.

Turhyssa n. g. Type *Clathurella bicarinata* Pease. Hawaiian Islands. Questionably pleurotomoid. It has much the aspect of a minute *Peristernia*.

Cryptomitra n. subg. Type *Pleurotomella? climacella* Dall, 1895. Hawaiian Islands. Shell with obsolete plaits on the pillar in the earlier whorls but none in the last whorl.

Genus *Pisania* Bivona.

Prodotia n. subg. Type *Pisania billeheusti* Souverbie, 1865. Nukahiva. This is said to have the operculum like *Fusinus*. Another species from the Hawaiian Islands is destitute of an operculum according to the experience of Mr. Thaanum, who has taken two alive.

Genus *Murex* Linné.

Langfordia, n. subg.? Type *Murex (Langfordia) cuspidifera* Dall, n. sp. Hawaiian Islands. Shell of moderate size, biconic, somewhat of the form of *Trichotropis*, spirally sculptured, with about a dozen peripheral spines, the outer lip internally lirate, the siphonal fasciole imbricate, surrounding a conspicuous umbilical pit. Height 18 mm. U. S. Nat. Mus. Cat. No. 339422.

This combines features of *Favartia*, *Trophon*, and *Murex*.

Neptunea Boltén. Type selected in 1918 by Dall is *Neptunea clathrus* Boltén, = *Murex clathratus* Linné. *Chrysodomus* Swainson, 1840, is therefore retained for *Murex antiquus* Linné. *Boreotrophon* Sars. is synonymous with *Neptunea*.

Cythna Carpenter, 1864, is perhaps to be regarded as homonymous with *Cithna* A. Adams, 1863. In that case the name *Cythnoa* is suggested for the later name.

Genus *Gyrineum* Link.

New section **Gyrinella** Dall. Type *G. pusillum* Broderip.

The minute species with no sutural canal can hardly be appropriately placed in the same section as the enormous type of the genus.

Genus *Triphora* Blainville.

Strobiligera n. subg. Type *Triphora (inflata* var.) *ibex* Dall.

Antilles in deep water. Protoconch larger than the succeeding whorl, swollen, smooth; sutural sulcus feeble, canal short, open. There are numerous species in the deep water of the Antilles. *Sychar* Hinds is of an entirely different type.

Litharium n. subg. Type *Triphora oceanida* Dall, n. sp. Hawaiian Ids. Shell dark brown, acute, rapidly increasing, Nucleus concentrated, with no obvious nepionic stage, blunt, with 12 subsequent whorls with three rows of beaded spiral sculpture, suture narrow and deep, sulci feeble. Length 5 mm. U. S. Nat. Mus. Cat. No. 333276.

Genus *Bittium* (Leach) Gray.

Bittinella n. subg. Type *Bittium hiloense* Pilsbry and Vanatta, 1908. Hawaiian Islands.

Genus **Capulella** nov. Type *C. microceras* Dall, n. sp. Hawaiian Islands. Shell minute, recalling the much larger *Capulus liberatus* Pease, from the Paumotu, in which the whorls are separated. In the present species there are two and a half whorls not separated, but the circular aperture is entirely free though there is no umbilical perforation.

Height 1, diameter 1.5 mm. Bishop Museum Cat. No. 65040.

Genus *Eunaticina* Fischer.

New section **Heliconatica** Dall, Hawaiian Islands. Type **E. margaritaeformis** n. sp. Shell small, like *Margarites umbilicalis* Sowerby in form, white, with a brown nucleus, sculpture of sharply incised spiral lines, the pillar lip straight with a small callosity on its edge near the body. Height 8; diameter 12 mm. U. S. Nat. Mus. Cat. No. 339171.

Genus *Solariella*.

New section **Suavotrochus** Dall. Type *Solariella lubrica* Dall, 1881. Antilles in deep water. The shell is nearly or quite destitute of sculpture.