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On the Species of *Pyramidellina* found in Japan. By ARTHUR ADAMS, F.L.S., &c. Received September 11, 1862.

[Read Nov. 6, 1862.]

I HAVE not met with a single species of *Pyramidella*, s. str., in Japan. The small plicate species with a single plait, separated under the name of *Parthenia* by Lowe, and the pupoid forms arranged by P. P. Carpenter under the head of *Chrysallida* are the most numerous of the subfamily. Besides these, I recognize a thin, turreted form, which I call *Pyrgulina*; an ovate-cancellate group, which is named *Mumiola*; a plicate form, with a spiral axis, which is my *Mormula*; and a little group, solid, and half costate, half lirate, which I designate *Miralda*.

Gen. MORMULA, A. Ad.

*Testa* subulato-turrita, rissoidea, solida, crassa, longitudinaliter plicata. *Apertura* magna; labio spiraliter tortuoso; labro intus incrassato, margine acuto.

1. MORMULA RISSOINA, A. Ad.

*M.* testa subulato-turrita, solida, in medio tumidula, albida, fasciis duabus transversis rufescentibus saepe ornata; anfractibus normalibus 7, planiusculis, longitudinaliter plicatis, plicis crassis vix undulatis, nonnullis

variciformibus, interstitiis valde liratis; apertur asubquadrata; labio recto, spiraliter tortuoso; labro intus incrassato, margine acuto.

*Hab.* O-Sima; Takano-Sima.

This is a singular-banded shell, very much resembling a *Rissoina*; but the inner lip is spirally twisted, and the nucleus is sinistral.

2. *MORMULA EGREGIA*, *A. Ad.*

*M.* testa subulato-turrita, crassa, solida, rissoida, carneola, rufo fasciata; anfractibus normalibus 8, planis, longitudinaliter valde costatis, transversim totis liratis, fasciis tribus transversis rufis ornatis; apertura subquadrato-ovata; labio spiraliter tortuoso; labro intus incrassato, extus varicoso, margine arcuato, acuto.

*Hab.* Delaguete; Philippines.

I have introduced this singular Rissoid-looking shell here, although not from Japan, as a second species of *Mormula*. It appears to agree congenerically with *M. rissoina*; but the nucleolar whorls are unfortunately broken off.

Gen. *CHRYSALLIDA*, *Opr.*

The species enumerated and described in this communication are all from Japan.

1. *Chrysalida plicata*, *A. Ad. Annals Nat. Hist.* 1860.

*Hab.* Mino-Sima; Gotto; O-Sima.

2. *Chrysalida consimilis*, *A. Ad. Annals Nat. Hist.* 1861.

*Hab.* O-Sima; Takano-Sima.

3. *Chrysalida pupula*, *A. Ad. Annals Nat. Hist.* 1861.

*Hab.* Tsu-Sima, 26 fathoms.

4. *Chrysalida alveata*, *A. Ad. Annals Nat. Hist.* 1861.

*Hab.* Tsu-Sima; Takano-Sima.

5. *Chrysalida consobrina*, *A. Ad. Annals Nat. Hist.* 1861.

*Hab.* Awa-Sima; Gotto.

6. *Chrysalida nana*, *A. Ad. Annals Nat. Hist.* 1861.

*Hab.* Tsu-sima, 26 fathoms.

7. *Chrysalida mumia*, *A. Ad. Annals Nat. Hist.* 1861.

*Hab.* Gotto, 48 fathoms.

8. *Chrysalida mundula*, *A. Ad. (Parthenia mundula, Annals Nat. Hist.* 1861).

*Hab.* Sado; O-Sima.

9. *Chrysalida munda*, *A. Ad. Annals Nat. Hist.* 1861.

*Hab.* Korea Strait.

10. *CHRYSALLIDA VILOCINCTA*, *A. Ad.*

*C.* testa elongato-ovali, albida, linea rufo (in anfractu ultimo lineis duabus) ornata; anfractibus normalibus 5, convexiusculis, longitudinaliter pli-

catis, plicis subconfertis, interstitiis punctatis, plicis in anfractu ultimo ad peripheriam evanidis; apertura ovata, antice effusa, plica columellari obliqua.

*Hab.* O-Sima.

More ovate than *M. rufolineata*, and the interstices obscurely punctate.

11. *CHRYSALLIDA RUFOLINEATA*, *A. Ad.*

*C.* testa elongato-turrita, albida, nitida, linea rufa (in anfractu ultimo lineis duabus) ornata; anfractibus normalibus 6, planis, in medio excavatis, longitudinaliter plicatis, plicis subdistantibus, interstitiis laevibus, suturis crenulatis, plicis in anfractu ultimo ad peripheriam evanidis; apertura subquadrato-ovata, antice effusa, plica parietali obliqua.

*Hab.* Gotto, 48 fathoms.

12. *CHRYSALLIDA CALBULA*, *A. Ad.*

*C.* testa elongato-ovata, pupoidea, in medio tumida, apice obtusiusculo, lactea, nitida; anfractibus normalibus 6, tabulatis, transversim liratis, in medio concaviusculis, superioribus longitudinaliter plicatis, inferioribus laevibus; apertura ovata; labio incrassato, plica parietali mediana, transversa; labro intus sulcato.

*Hab.* Gotto, 48 fathoms.

A little pupoid, semiplicate species, with the whorls transversely grooved internally.

13. *CHRYSALLIDA ERUCELLA*, *A. Ad.*

*C.* testa elongata, pupiformi, badia; anfractibus normalibus 7, planis, longitudinaliter costatis, costis validis, rectis, confertis, interstitiis simplicibus; apertura ovato-oblonga, plica parietali obliqua, conspicua.

*Hab.* Seto-Uchi; O-Sima; Takano-Sima.

A neatly fashioned, brown species, with strong ribs, and with the interstices plain.

Gen. *MIRALDA*, *A. Ad.*

*Testa* solida, ovata, seu elongata; anfractibus planis, postice plicatis, antice transversim liratis. *Apertura* labro postice subangulato, margine crenato.

1. *Miralda diadema*, *A. Ad.* (*Parthenia diadema*, *Annals N. H.* 1860).

*Hab.* Mino-Sima; Seto-Uchi; Uraga.

2. *Miralda Mariella*, *A. Ad.* (*Parthenia Mariella*, *Ann. N. H.* 1860).

*Hab.* Mino-Sima; Gotto; Tsu-Sima; Seto-Uchi.

3. *Miralda gemma*, *A. Ad.* (*Parthenia gemma*, *Ann. N. H.* 1861).

*Hab.* Tsu-Sima; Seto-Uchi; Akasi.

Gen. *PARTHENIA*, *Lowe.*

*Testa* tenuis, pyramidata seu turrita; anfractibus longitudinaliter costellatis, costellis, in anfractu ultimo, ad peripheriam evanidis. *Apertura* ovata; labro in medio subangulato; labio plica unica instructo.