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“Descriptions of thirteen new species of *Brachiopoda*.” By G. B. Sowerby, F.L.S.

TEREBRATULA NIGRICANS. *Ter. testá anticè rotundatá, posticè acuminatá, tenuiusculá, nigricante; valvis inæqualibus, radiatim costatis, costis rotundatis; lined marginali rectiusculá; valvá dorsali subtrigoná, depressiusculá, rotundatá, lateribus posticis declivibus; foramine magno, haud integro, quadrato; areá cardinali magná, planiusculá, lateribus rotundatis; deltidiis angustis ad latera foraminis coalescentibus; valvá ventrali depressá, transversim ovatá; dentibus cardinalibus ut in T. psittaceâ; margine valvarum crenulato.*

A single specimen of this very interesting species was found in the collection of the late G. Humphrey, without locality. This and the *T. psittacea* are the only species that are not punctated.

TEREBRATULA JAPONICA. *Ter. testá oblongá, anticè rotundatá, tenui, albicante; valvis subæqualiter convexis, longitudinaliter radiatim striatis, striis numerosis, subirregularibus, subbifurcatis, ad latera prope cardinem confertiusculis; lateribus prope cardinem subplanulatis; lined marginali rectiusculá, ad latera posticè declivi; valvá dorsali posticè subproductá, truncatá; foramine mediocri, haud integro, perobliquo; areá cardinali inconspicuá, deltidiis obsoletis; interno parvo, $\frac{1}{3}$ longitudinis valvæ, ramulos duos angustos, demum amentum latum flexuosum sistente; marginibus valvarum minutissimè denticulato.*

Shell oblong, rounded in front, thin, whitish; valves nearly equally convex, longitudinally radiately striated, striæ numerous, rather irregularly dichotomous and very close-set on the sides near the hinge; the sides near the hinge rather flattened; marginal line nearly straight, inclining to the sides near the hinge; dorsal valve somewhat produced posteriorly and truncated, with a moderate-sized, very oblique and incomplete perforation; cardinal area indistinct, with obsolete deltidia; internal appendages small, one-third the length of the valve, with two narrow little branches, and then a broad flexuous loop; margin of the valves very minutely denticulated.

In Mr. Cuming's collection, from Japan. Easily distinguished from *T. cancellata* of Koch by its foramen not being entire.

TEREBRATULA CREMULATA. *Ter. testá suborbiculari, posticè subacuminatá, subtruncatá, crassiusculá, albicante; valvis inæqualibus, radiatim costatis, costis paucis, majusculis, rotundatis; lined marginali flexuosá, anticè subsinuatá; foramine magno, subintegro; areá cardinali magná, subplanulatá, margine undulato; deltidiis magnis, discretis; valvæ ventralis margine postico ad utrumque latus declivi; ossiculo interno e spiná validá obtusá anticè porrectá, ramulis duobus lateralibus retroversis; margine valvarum crenato.*

Shell suborbicular, rather attenuated and subtruncate behind, rather thick and whitish; valves unequal, with few rather large, rounded, radiating ribs; marginal line flexuous, slightly sinuated in

front; perforation large, nearly entire; cardinal area large, flattish, with an undulated margin; deltidia large, separate; posterior margin of the ventral valve inclined on either side; internal appendage consisting of a single strong spine standing forward, and with two lateral reflected branches; margin of the valves crenated.

From Santa Cruz, in Mr. Cuming's collection.

TEREBRATULA ROSEA, Humphrey. *Ter. testá oblongo-ovali, subdepressá, anticè subattenuatá, crassá, roséa, albicante radiatim pictá; valvis subæqualibus, lævibus; lined marginali subflexuosá, anticè reflexá; valvá dorsali majori, posticè subproductá, truncatá; foramine minimo, integro; areá cardinali latiusculá, deltidii coalescentibus, sulco mediano discretis; valvá ventrali ovali, anticè paululùm rotundato-attenuatá; lined marginali ex umbone ad utrumque latus declivi; ossiculo costá elevatá, porrectá, simplici constante; margine valvarum integro.*

Shell of an oblong-oval form, rather depressed, slightly attenuated behind, thick, rose-red, painted with paler radiating marks; valves nearly equal, smooth; marginal line somewhat flexuous, reflected in front; dorsal valve the larger, rather produced posteriorly and truncated; perforation very small, entire; cardinal area rather wide, with united deltidia marked by a mesial groove; ventral valve oval, anteriorly slightly attenuated and rounded, its marginal line slanting downwards from the apex on each side; internal appendage consisting of a single elevated rib standing out; margin of the valves entire.

From Brazil, according to the late G. Humphrey. In Mr. Cuming's and other collections.

TEREBRATULA RUBICUNDA. (*T. sanguinea*, Quoy, Astr.) *Ter. testá suborbiculari, posticè subacuminatá, gibbá, glabrá, rubrá, valvis inæqualibus, subirregularibus; lined marginali ad latera subflexuosá, anticè sinuatá; valvá dorsali posticè productá, truncatá; foramine magno, obliquo, subintegro; areá cardinali rotundatá; deltidii magnis, distinctis; cariná dorsali latá, prominente, utrinque rotundato-angulatá, obtusá; valvá ventrali subpentagonali, posticè angustiori, medianè latá, rotundato-subangulatá; anticè subtruncatá, sulco mediano lato, conspicuo; ossiculo interno magno, ferè ut in *T. dorsata* efformato; margine valvarum integro.*

Shell nearly orbicular, rather acuminate posteriorly, gibbous, smooth, of a red colour; valves unequal, rather irregular; marginal line slightly flexuous on the sides, sinuated in front; dorsal valve produced behind, truncated, with a large, oblique, nearly entire perforation; cardinal area rounded, deltidia large, separate; mesial ridge broad, prominent, angularly rounded, and obtuse on both sides; ventral valve somewhat pentagonal, narrow posteriorly, broad in the middle, with rounded angles, and slightly truncated in front; mesial groove broad and distinct; internal appendage as in *T. dorsata*; margin of the valves entire.

From the Moluccas; in Mr. Cuming's collection and in the British Museum.

TEREBRATULA SANGUINEA (*sanguinea*, Chemn.; *T. erythroleuca* of Quoy). *Ter. testá suborbiculari, anticè subemarginatá, gibbosiusculá, tenui, sanguinea, radiis maculisque radiantibus albidis ornatá; lineá marginali rectá, anticè subsinuatá; valvá dorsali posticè subacuminatá, truncatá, foramine mediocri, integro, areá cardinali latiusculá, marginibus subacutis, deltidiiis majusculis, coalescentibus; valvá ventrali depressiusculá, transversim obovatá, anticè subsinuatá, ossiculo interno primum format radios duos, deindè annulum centralem et amenta duo lateralia, demùm amentum superum integrum.*

Shell suborbicular, slightly notched in front, rather gibbous, thin, of a bright light red colour, with white rays and radiating spots; marginal line straight, slightly sinuated in front; dorsal valve rather acuminate behind and truncated; perforation middle-sized, complete; cardinal area rather broad, with sharpish edges; deltidia rather large and united; ventral valve somewhat depressed, transversely obovate, slightly sinuated in front; the internal appendage at first forms two rays, then a central ring and two lateral loops, and at length a reflected dorsal loop united to the central ring; margin of the valves entire.

From the island of Zebu, attached to coral under stones; H. Cuming.

TEREBRATULA INCONSPICUA. *Ter. testá rotundato-subtrigonalí, posticè acuminato-rotundatá, anticè subsinuatá, obscurè rufá; valvis inæqualibus, glabris; lineá marginali flexuosá; valvá dorsali rotundato-subtrigonalí, maximá incompletá; areá cardinali latá, ad utrumque latus declivi; deltidiiis mediocribus, latè discretis; valvá ventrali transversim oblongá, subplanulatá, sulco mediano, lato, subinconspicuo; margine valvarum integro.*

Shell rounded, subtrigonal, acuminate and rounded behind, slightly sinuated before, dull red; valves unequal, smooth; marginal line flexuous; perforation large, incomplete; cardinal area broad, inclining on each side; deltidia of moderate size, widely separated; ventral valve transversely oblong, somewhat flattened, with a broad, rather indistinct mesial groove; margin of the valves entire.

From the late G. Humphrey's collection: locality unknown.

TEREBRATULA PULCHELLA. *Ter. testá subovatá, posticè acuminato-rotundatá, lævi, albidá, lineis nonnullis radiantibus rufis; valvis inæqualibus; lineá marginali subflexuosá; valvá dorsali subplanulatá, posticè acuminatá, anticè rotundatá, foramine magno, incompleto; areá marginali inconspicuá, lateribus rotundatis; deltidiiis parvis, discretis; valvá ventrali subcirculari, planulatá; ossiculo interno e gnomone porrecto, anticè posito, constante; margine valvarum integro.*

Shell subovate, acuminate and rounded behind, smooth, whitish with a few radiating red lines; valves unequal, marginal line somewhat flexuous; dorsal valve rather flattened, acuminate posteriorly, rounded in front; perforation large, incomplete; cardinal area indistinct, its sides rounded; deltidia small, separate; ventral valve

somewhat circular, flattened; internal appendage consisting of a single prominent gnomon near the front; margin of the valves entire.

Found by Mr. Cuming attached to corals at Calapan, isle of Mindoro; also from the island of Cocos, Lieut. Swainson; in the late G. Humphrey's collection.

TEREBRATULA COGNATA, Chemn. *Ter. testá subtrapezoidali, anticè rotundatá, pallescente, nonnunquam rubente; valvis inæqualibus, radiatim obsoletè striatis, versus marginem obliterated; lined marginali lateraliter anticèque flexuosá; valvá dorsali convexá, lírá medianá inconspicuá; apice subacuminato reflexo; foramine magno, haud integro; areá cardinali angustá, deltidiis parvis, trigonalibus; valvá ventrali planulatá, margine postico rectiusculo; sulco mediano subperspicuo; ossiculo interno ramulos duos centrales, divergentes, ad apices expansos sistente; margine interno valvarum denticulato.*

Shell nearly trapezoidal, rounded in front, of a pale colour, sometimes reddish; valves unequal, obsoletely radiately striated, the striæ entirely obliterated near the margin; marginal line flexuous in front and on the sides; dorsal valve convex, with an inconspicuous central ridge, its apex somewhat acuminate, reflected, with a large incomplete perforation; cardinal area narrow, with small triangular deltidia; ventral valve flattened, its posterior margin nearly straight, with a scarcely evident central furrow; internal appendages consisting of two little central diverging branches, expanded at their apices; margin of the valves denticulated within.

There are two varieties in colour, from South Africa, according to the late G. Humphrey.

TEREBRATULA TRANSVERSA. *Ter. testá transversim subovatá, tenui, rudi, glabrá, pallescente; lined marginali subflexuosá, anticè subsinuatá; foramine maximo, incompleto; areá cardinali magná, planatá; deltidiis parvis, longè discretis; cariná dorsali inconspicuá, rotundatá; valvá ventrali transversim oblongá, anticè rotundatá, posticè in angulo obtusissimo desinente; sulco mediano subinconspicuo, rotundato; margine valvarum integro.*

Shell transversely subovate, thin, rugose, smooth, of a pale colour; marginal line somewhat flexuous, slightly sinuated in front; dorsal valve of a somewhat tetragonal ovate form, very obtusely angular behind and reflected; perforation very large, incomplete; cardinal area large and flattened; deltidia small, very distant; mesial ridge rounded, indistinct; ventral valve transversely oblong, rounded in front, and finishing in a very obtuse angle behind; mesial groove rounded; indistinct margin of the valves entire.

In Mr. Norris's collection and in that of Mr. Janelle.

TEREBRATULA RUBELLA, Sow. *Ter. testá subovatá, posticè subacuminatá, subgibbá, anticè subsinuatá, rubrá; valvis inæqualibus, glabris; lined marginali rectiusculá, anticè subsinuatá; valvá dorsali posticè subacuminatá, reflexá, cariná medianá nullá, sulco mediano obsoletissimo, foramine parvo; areá cardinali angustá, ad*

latera rotundata, deltidiis majusculis, coalescentibus; valva ventrali ovata, sulco mediano latiusculo, emarginationem anticam efformante; ossiculo interno ut in T. australi; margine valvarum laevissimo.

Shell nearly oval, rather acuminate posteriorly, a little gibbous and slightly sinuated anteriorly; valves unequal, smooth; marginal line nearly straight, a little sinuated in front; dorsal valve rather acuminate posteriorly, reflected, without any mesial ridge, but with a very obsolete mesial furrow; perforation small; cardinal area narrow, rounded at the sides, with rather large united deltidia; ventral valve ovate, with a broad mesial groove forming a sinus in front; internal appendage as in *T. australis*.

From Japan. In Mr. Norris's and Mr. Cuming's collections.

TEREBRATULA LABRADORENSIS. *Ter. testâ suborbiculari, posticè acuminatâ, obtusâ, crassiusculâ, albidâ; valvis valdè inæqualibus, radiatim obsoletè costatis; lined marginali subflexuosâ; valvâ dorsali anticè rotundatâ, posticè acuminatâ, obtusâ; foramine magno, integro; areâ cardinali magnâ, subplanulatâ; deltidiis majusculis, coalescentibus; carinâ dorsali inconspicuâ; valvâ ventrali suborbiculari, posticè subacuminatâ; margine valvarum crenulato.*

Shell suborbicular, acuminate behind, obtuse, thickish, whitish; valves very unequal, obsoletely radiately ribbed; marginal line somewhat flexuous; dorsal valve rounded in front, acuminate and obtuse behind; perforation large, entire; cardinal area large, somewhat flattened; deltidia rather large, united; mesial ridge indistinct; ventral valve nearly orbicular, slightly acuminate behind; margin of the valves crenulated.

In the British Museum. From Labrador; C. Goodsir.

TEREBRATULA ALGOENSIS. *Ter. testâ suborbiculari, posticè subacuminatâ, anticè sublobatâ, albidâ; valvis radiatim striatis; carinâ dorsali conspicuâ, rotundatâ; foramine magno, incompleto; margine valvæ dorsali minutissimè crenulato.*

Shell suborbicular, slightly acuminate behind, rather lobed in front, whitish; valves radiately striated; mesial ridge distinct, roundish; perforation large, incomplete; margin of the dorsal valve very minutely crenulated.

A single valve of this specimen is in the British Museum, labelled "Algoa Bay, Bowerbank."

"Descriptions of new species of *Marginella*." By G. B. Sowerby, F.L.S.

MARGINELLA FUSCA. *Marg. testâ elongatâ, subovali, posticè subangulatâ, anticè latè marginatâ, in medio paululùm contractâ, fuscâ, vel pallidè purpureâ, fusco-trifasciatâ; spirâ breviusculâ, apice obtuso; aperturâ angustâ, columellâ rectiusculâ, plicis quatuor, quarum duæ anticæ albæ, prominentibus, spiraliter elongatis; labio externo albo, intus in medio incurvo, extus fusco, latè reflexo.*

Differing from *M. nitida* in the colouring and the shortness of the spire, and in the outer lip being more broadly reflected.

In Mr. Cuming's collection. From the West Indies.

MARGINELLA CRASSILABRUM. *Marg. testá subovali, in medio subangulatá, pallidè griseo-fulvá; spirá brevi; anfractibus distinctis, ultimo dilatato, ad spiram elevato; columellá plicis quatuor, quarum duæ anticæ prominentes, spiraliter elongatis; labio externo, crasso, latè incurvo, angulato, extus varicoso, ad apicem tumidè elevato.*

This species is remarkable for the broad angular disc formed by the outer lip, which is much thickened at the back and raised so as nearly to cover the spire.

In Mr. Jackson's and Mr. Cuming's collections. From the West Indies.

MARGINELLA TÆNIATA. *Marg. testá ovali, cylindricá, pallidè fulvá, fasciis fuscis tribus cinctá; spirá brevi; aperturá elongatá, posticè subangustatá; columellá plicis quatuor, quarum duæ anticæ majores; labio externo lævi, latè reflexo.*

Differing from *M. avena* in having a shorter spire and the outer lip more broadly reflected.

In Mr. Cuming's collection. Locality unknown.

MARGINELLA ALBO-CINCTA. *Marg. testá subconicá, subangulatá, lævi; spirá productá; anfractibus angulatis, ultimo fasciá albá prope angulum, et altero ad terminum anticum cincto inter fascias fusco maculato et punctis nigris picto; columellá quadriplicatá.*

Provisionally described from a young specimen in Mr. Cuming's collection. When full-grown it would probably resemble *M. nublata* in form.

MARGINELLA PSEUDO-FABA. (*M. Faba*, Lam. Anim. s. vert., vii.) *Marg. testá angulatá, anticè attenuatá, subrecurvá, pallidè fulvá, griseo-nebulatá, punctorum irregularium seriebus 10 sparsim cinctá; spirá prominulá; anfractibus angulatis, ad angulum validè crenulatis, crassis, paululùm arcuatis, posticè angulatis, anticè emarginatis, attenuatis.*

Much more angular than the true *M. Faba*, and has the anterior part of the body-whorl tapering and bent upwards.

In Mr. Cuming's collection. From the river Gambia, West Africa.

MARGINELLA FAUNA. *Marg. testá ovali, subcylindricá, pallidissimè carneá, spirá brevi; columellá obliquè quadriplicatá; labio prope medium incurvo, extus subincrassato.*

Slightly resembling *M. pallida*, but more oval; the lower part of the aperture less open, and the outer lip thicker.

In Mr. Cuming's collection. From the isle of Curasso.

MARGINELLA MULTILINEATA. *Marg. testá ovali, stramineá, lineis rubris numerosis cinctá; spirá penè celatá, apice fasciá rubrá circulari cincto; aperturá anticè et posticè emarginatá; columellá albá,*

in medio tumidá, anticè callosá, plicis quatuor ad quinque inæqualibus; labio externo albo, intus crenulato, in medio subangulato, extus tenuiter reflexo.

On the whole resembling *tessellatus*, but it is much shorter, with the outer lip less varicose on the outside, and coloured by numerous red lines instead of the square patches.

In Mr. Cuming's collection. From Belieze, bay of Honduras; Mr. Dyson.

MARGINELLA VARIA. *Marg. testá elongatá, lævi, anticè expansá, albá, vel fuscá, vel fusco vel rubro trifasciatá, vel purpureo longitudinaliter et spiraliter interruptim fasciatá; spirá plus minusve productá; aperturá posticè angustá, anticè subexpansá; columellá quadruplicatá; labio externo in medio incurvo, extus leviter varicoso.*

Differing from *M. lactea* of Kiener in being wider at the anterior termination, and in the outer lip not being so much elevated.

From the West Indies. Varieties are from Belieze, bay of Honduras.

MARGINELLA SIMILIS. *Marg. testá ovali, stramineá, griseo-nebulatá, lineis creberrimis interruptim cinctá; spirá penè celatá; aperturá angustá, anticè et posticè emarginatá; columellá spirá tumidá, anticè varicosá, irregulariter septuplicatá; labio externo posticè spiram paululùm superante, intus crenulato, extus nigro maculato vix marginato.*

The spire is less concealed, and the margin of reflected lip less distinct than in *M. interrupta*. The colouring is more mottled.

In Mr. Cuming's collection. From the Brazils.

October 27, 1846.

Richard C. Griffith, Esq., in the Chair. .

No business was transacted.