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## Nr. 321 und 322.

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### R.J.Shuttleworth, Beiträge zur näheren Kenntniss der Land- und Süßwasser-Mollusken der Insel Portorico.

(Schluss.)

(Vorgelegt den 3. Juni 1854.)

#### 58. *Cyclostoma (Megalomastoma) croceum* (Gmel.) Desh.

Syn. *Helix cylindracea glabra*, etc. Chemn. C. Cab. IX. Pars 2.  
p. 166, tab. 135, f. 1233.

„ *crocea* Gmel. p. 3655, № 243.

*Cyclostoma flavula* Lam. Enc. Meth. tab. 461, f. 6.

“ “ “ An. s. V. t. VI, 2de p., p. 146,  
№ 13.

“ *crocea* Desh. in Lam. ed. 2, t. VIII, p. 357 in  
ann.

*Megalomastoma cylindracum* Pf. Mon. Pneum. p. 124, № 1.

Alt. 38 mill.; Diam. 12.

Var. *minor*, costulato-striata, sutura paululum profundiore et  
anfr. ultimo ad aperturam lateraliter minus producto.

Alt. 19 ad 22 mill. et supra; Diam. 7—8 mill.

Hab. Sub ligno et foliis delapsis vulgaris, prope San Juan, Hu-  
macao, Luquillo etc.

Obs. Iterum coacti sumus denominationem Gmelinianam contra im-  
mutationem cl. Pfeifferi vindicare. Chemnitzius, loco citato et  
in ipsissima pagina, vocabulum „cylindraceum“ in designa-  
tionibus specificis bis adhibet; nempe 1<sup>o</sup> „*Helix cylindracea*  
*glabra*, ex aurantio flavescentes, apice obtuso,“ etc. = *Cy-  
clostoma croceum*: et 2<sup>o</sup> „*Helix cylindracea acuta*, testa  
alba, glaberrima, apice valde acuto,“ etc. = *Bulimus la-  
biosus* (Müll.) Brug.

Variat colore pallide flavescente, vel croeco, versus ba-  
sin saepe saturatus violaceo; apertura interne lutea vel cro-  
cea, peristome semper aureo-nitente. Testae, etiam juve-  
nes, fere semper detritae, rarissime epidermide tenui, cornea,  
nitidula indutae. Varietas forma paululum discedit et sculp-  
tura cum icona Encycl. Meth. supra laudata melius convenit,  
sed specimina magnitudine et characteribus intermedia non  
desunt.

(Bern. Mittheil. Juni 1854.)

**59. *Cyclostoma (Megalomastoma) verruculosum* Shuttl.**

n. sp.

Testa breviter rimata, elongato-pupæformis superne confer-  
tim costulata; costulis in anfractu ultimo et penultimo in ver-  
rucas creberrimas sensim solutis, nitidula, viridescens, vel cor-  
neo-fusca; spira subcylindrica, superne sensim attenuata, apice  
conico-obtusa, sæpe truncatula; sutura profunda; anfr. 7, con-  
vexi, ultimus penultimo vix angustior,  $\frac{1}{3}$  altitudinis æquans vel  
paulo superans, basi pone carinam funiformem elevatam pro-  
funde sulcatus; apertura vix obliqua, circularis; perist. subdu-  
plicatum, adnatum, continuum, incrassatum, vix expansiusculum.  
Operculum ut in *C. M. Antillarum*.

Alt. 16; Diam. 5 mill; Apert.  $3\frac{1}{2}$  mill. lata.

*Hab.* Sub truncis et foliis putrescentibus Musarum, ad Sierra  
de Luquillo, infrequens.

*Obs.* Species pulchra, *C. Antillarum* Sowb. affinis, sed forma,  
sculptura, et peristome superne adnato non exciso, optime  
distincta.

**60. *Cyclostoma (Choanopoma) decussatum* Lam.**

*Syn.* *Cyclostoma decussatum* Lam. Delessert Rec. tab.  
29, f. 6.

*Hab.* Prope San Juan, Aguas Claras, Ceiba, Humacao, et Lu-  
quillo, ad saxa et arbores sub foliis delapsis; rarissime  
etiam in insula Vièque.

*Obs.* Varietas minor forsitan tenuior prope Luquillo occurrit, et  
altera, testa carneo-flavida, fere immaculata prope Ceiba et  
in insula Vièque.

**61. *Cyclostoma (Choanopoma) senticosum* Shuttl. n. sp.**

Testa anguste subperforata, ovato-conica, truncatula, regu-  
lariter et argute clathrata et asperata, nitidula, luteo-rufescens,  
lineis flexuoso-angulosis, rufis eleganter notata, basique fasciis  
1 ad 2, angustis, rufis zonata; spira ovoideo-attenuata; sutura  
papillis albis crenulata; anfr. superst. 5, inferiores celeriter ac-  
crescentes, parum convexi, ultimus antice breviter solutus; pe-  
rist. duplex, album, internum vix porrectum, externum patens,  
ad anfr. penultimum truncatum, superne breviter auriculato-pro-  
ductum. Operculum tenue cartilagineum, lamelloso-spiratum, la-  
mellis exstantibus, interdum testaceo-incrassatis, nucleo subcen-  
trali.

Alt.  $17\frac{1}{2}$ ; Diam. 8; Apert. fere 6 mill. longa, 5 lata.

*Hab.* Cum præcedente intermixtum rarius prope Luquillo, fre-  
quentius in insula Vièque.

*Obs.* Priori sine dubio affine, sed facillime distinguendum, præsertim incrementi ratione et sculptura eximie asperata.

**62. Cyclostoma (*Cistula*) Riisei Pf.**

*Syn.* *Cistula Riisei* Pf. Mon. Pneum. p. 418, N° 6a in add.

*Var.*  $\beta$ . nodulosa; costis subflexuosis, remote et leviter pustulosis (pustulis lineas spirales mentientibus); lineis rufis interruptis, sub forma fasciarum transversarum saepius occurribus, interdum confluentibus notata.

*Hab.* Formam typicam e Portorico ab am. Bland et Albers accipi; varietatem ad rupes sub foliis delapsis prope San Juan, legit. b. Blauner, sed parce.

*Obs.* Aufractus ultimus saepissime breviter solutus est; perist. duplex, internum vix porrectum, externum breviter expansum, interdum rubro-punctatum, et ad marginem internum (columellarem) saepius inconspicue fimbriato-dentatum.

Annon hoc referendum *Cyclostoma lineolatum* Lam? (cf. Delessert Rec. t. 29, f. 8). — *Cistula?* *lineolata* Pf. Mon. Pneum. p. 270, N° 18. (Chemn. ed. 2, t. 6, f. 27—28), neque cum diagnosi Lamarckiana, neque cum icono Delessertiana supra laudata ne minima quidem ex parte congruit.

**63. Cyclostoma (*Chondropoma*) Blauneri Shutt. n. sp.**

Testa subperforata, ovato-conica, truncatula, confertissime costulato-striata, lineisque spiralibus obtusis inconspicue subdecussata et nodulosa, violaceo-fusca, lineis flexuosis, vel maculis curvatis, seriatis, saturioribus plurizonata, non nitens; spira regulariter attenuata; sutura confertim papilloso-crenulata; anfr. superst.  $5\frac{1}{2}$ , convexiusculi, ultimus antice vix breviter solutus; apertura parum obliqua, subovalis; perist. subduplex, pallidum, obscure fusco-punctatum, internum vix leviter porrectum, externum anguste patens, superne brevissime angulato-productum. Operculum cartilagineum, paucे spiratum, anfr. rapide accrescentibus, nucleo valde excentrico.

Alt. 20; Diam. 8; Apert. 6 mill. longa.

*Hab.* Sub foliis delapsis prope Humacao, infrequens.

*Obs.* Forma, sculptura, et pictura *C. decussato* satis simile, sed operculo et peristomate optime distinctum.

**64. Cyclostoma (*Chondropoma*) Swiftii Shutt. n. sp.**

Testa perforata, ovato-conica, truncatula, obtuse decussata, pallide fusca, interrupte violaceo-plurizonata, nitida; spira regulariter attenuata; sutura minute papilloso-crenulata; anfr. superst. 5, convexi, ultimus subinflatus, antice solutus; apertura vix

obliqua, subovalis ; perist. simplex, fusco-punctatum, incrassatum, sed non expansum, superne acute angulatum. Operculum cartilagineum, pauc spiratum, anfr. rapide accrescentibus, nucleo excentrico.

Alt. 15; Diam. 7; Apert. 5 mill. longa.

Hab. Specimina pauca prope Ponce legit Swift; comm. am. Bland.

Obs. Priori affine, sed bene distinctum.

**65. Cyclostoma (*Chondropoma*?) *Newtoni* Shuttl. n. sp.**

Testa subperforata, elongato-oblongo-turrita, truncatula, solidula, confertim costulata, lineisque spiralibus obscuris obtuse decussata, pallide cornea, punctis fuscis seriatis remote ornata, sine nitore; spira regulariter attenuata; sutura confertim papilloso-crenulata; anfr. superst. 5, convexiusculi, ultimus breviter adnatus; apertura verticalis, suborbicularis; perist. duplex, albidum, internum vix porrectum, externum latiuscule patens, ad anfractum penultimum truncatum, superne angulatum et breviter auriculatum. Operculum?

Alt. 13; Diam. 5; Apert. intus 4 mill. longa.

Hab. In Portorico prope Arecibo legit Newton; specimina pauca comm. am. Bland.

Obs. *C. hemiota* Pf. forsitan affine, sed bene distinctum.

**66. Cyclostoma (*Chondropoma*?) *Newcombianum* C. B. Ad.**

Hab. Portorico fide R. Swift, misit Bland.

Obs. Differt ab omnibus hujus sectionis, operculi plurispirati anfractibus lentius accrescentibus, et nucleo subcentrali. Occurrit copiosius in insula St. Thomas, et fide Bland in Tortola et St. Jan.

**67. Helicina vinosa Shuttl. n. sp.**

Testa deppressa, tenuiuscula, oblique elegantissime et confertim plicato-costulata, pellucida, nitida, vinoso-rubella; spira brevis, conoidea; anfr. 5, convexiusculi, sensim accrescentes, ultimus basi medio profunde impressus; apertura integra, obliqua, semi-ovalis; columella simplex, brevissima; perist. rubellum, breviter incrassato-expansum, margine dextro flexuoso, basali juxta columellam subito rotundato et brevissime sinuato; callus basalis tenuis, nitidissimus, minute granulosus.

Diam. maj.  $3\frac{1}{2}$ , min. 3; Alt. 2 mill.

Hab. Sub foliis delapsis ad rupes prope San Juan, Humacao, et ad Rio Blanco.

Obs. Proxime sine dubio *H. rugosæ* Pf. affinis, sed peristomatis

margine basali nullomodo dentato, quamquam forsitan paulum incrassato, bene distineta.

**Helicina umbonata** Shutt. n. sp.

Testa depresse semiglobosa, tenuiuscula, spiraliter confertim et obtuse lirata, liris validioribus minoribusque irregulariter alternantibus, nitidula, albida; spira brevis, exacte rotundata, apice papillaris; sutura linealis; anfr. 5, vix convexi, ultimus antice brevissime descendens, subtus basi planatus, non excavatus; apertura peroliqua, late lunaris; columella simplex, brevis, basi truncata, callo albido circumscripto munita; perist. simplex, vix breviter expansum, margine basali sub-incrassato, ad columellam angulato.

Diam. maj. 6, min. 5; Alt. 3 mill.

Hab. In Portorico legit Knox. (spec. unicum comm. am. Bland.)

Obs. *H. cingulatae* Pf. (e St. Domingo) affinis, sed major, minusque elata.

**69. Helicina subfuscæ** Mke.

Hab. Sub saxis, ligno et in ruderatis, prope San Juan, Ceiba, Humacao et Luquillo, satis frequens.

Obs. Occurrit etiam in insula St. Thomas, et, sive Bland, in insula St. Jan. Discriben prorsus nullum inter specimina *Helicinae subfuscæ* Mke, et specimina juniora incompleta *Helicinae striatæ* Lam., indicare possumus. Specimina ex insula St. Thomas videntur tenuiora ac minora quam Portoricanis; color *Helicinae subfuscæ* saepius rubescens est, *H. striatæ* autem plerumque citrinus, sed semper versus apicem rubescens. Exemplaria completa *H. striatæ*, peristomate incrassato munita, rarius et sigillatim occurunt, donec specimina copiosa *H. subfuscæ* gregatim inveniuntur.

**70. Helicina striata** Lam.

Syn. *Helicina striata* Deless. Rec. t. 27, f. 1.

Hab. Prope San Juan et Humacao, ad truncos et folia arborum, infrequens.

Obs. Species ut videtur ad specimina vix matura descripta ac delineata. Testa carne vel citrina, semper versus apicem rubescens; peristoma latiuscula expansum, intus calloso-labiatum, interdum valde incrassatum, cum callo nitido granuloso pulchre et intensive citrinum.

**71. Helicina trochulina** Orb. ? Pf.

Syn. *Helicina trochulina* Orb. Cub. 1, p. 249, tab. 20, f.

10—12.

„ „ „ ? Pf. Mon. Pneum. p. 377, N° 84.

*Hab.* Prope San Juan, Humacao, Luquillo et ad Rio Blanco.

*Obs.* Specimina Cubana comparare mihi hucusque non licuit, sed nisi anfr. nullomodo „subcarinatis“ optime cum descriptione et icono Orbignyanis convenient specimina Portoricensis. Testa vel flava, vel saturate rubra.

**72. *Helicina fasciata* Lam.**

*Hab.* Prope St. Juan, Humacao, et in insula Vièque, ubique, ut videtur, rarissime.

*Obs.* Species per Antillas late distributa, ex insulis Guadeloupe, Martinique et St. Kitts accepta.

**73. *Helicina foveata* Pf. (ined?) fide Bland in litt.**

Testa depressa, tenuis, striata, lineisque spiralibus crebermis epidermide fugacissima minutissime hispidulis obsolete cineta, pallide citrina vel rubella, fasciisque 1 vel 2 pallidis ad peripheriam zonata; spira brevis, obsolete papillosa; anfr.  $4\frac{1}{2}$ , planiusculi, sensim accrescentes, ultimus antice leviter descendens, basi centro satis profunde impressus; apertura obliqua, late lunaris; columella brevis, stricta, basi in denticulo acuto producta, callo basali tenui; peristoma tenui, angustissime expansum. Operculum tenui, carneum.

Diam. maj. 6, min. 5; Alt. circa 4 mill.

*Hab.* Rarissime in insula Vièque.

*Obs.* Species forsitan in Proceed. Zool. Soc. Lond. annorum 1851

— 1853 (nondum editis) descripta, fide am. Bland Pfeiffero adscripta. Occurrit etiam et copiosius in insula St. Thomas, ubi etiam varietas rubra, concolor, epidermide copiosiore inducta, viget. Affinis videtur *H. nitidæ* Pf.

**74. *Truncatella subcylindrica* Gray.**

Testa cylindrica, adulta truncata, corneo-flavida vel hyalina, nitida, pellucens, costis validioribus præsertim ad suturas conspicuis, vel omnino evanescens munita; anfr. superst. 4, regulariter accrescentes, vix convexi, medio planati, ultimus  $\frac{2}{5}$  longitudinis æquans, basi non carinatus; sutura profunda; apertura semi-ovalis, basi subeffusa; perist. leviter incrassatum, margine exteriore subproducto, columellari breviter reflexo, adnato et superne incrassato.

Alt. 5; Dram. 2; Apert. 2 mill. longa.

*Syn.* *Truncatella subcylindrica* Gray Man. p. 22, f. 6

*Helix subcylindrica* Pult. (vide Gray et Mont.)

” ” Mont. Test. Brit. II. p. 393.

(non *H. subcylindrica* L. nec Gmel.)

*Hab.* Ad littora maris, Portorico, vulgaris.

*Obs.* Differt a *Tr. Caribæensi* Sowb., testa minore, anfr. ultimo basi non carinato; a *Tr. truncatula* Drap., quacum statura bene convenit, præsertim anfractibus non convexis; a *Tr. Montagui* Lowe, quacum forma lævigata anfr. planatis melius convenit, statura majore, minus gracili, anfractu penultimo breviore et sutura non marginata.

Variat ut aliæ generis, sculptura plus minusve valida vel omnino deficiente, et testa incolore hyalina. Accepimus frequenter sine localitate definita ex Antillis; occurrit autem in insula St. Thomas, et copiosissime ad Bermudas.

Species omnes generis *Truncatellæ* valde confusæ sunt, nec e descriptionibus vel figuris hucusque evulgatis facile eruenda. Cl. Pfeiffer in Menke Zeitschr. 1846 p. 184 ad *Tr. truncatulam* Drap. synonyma supra laudata allegat; Forbes et Hanley autem in British Moll. IV. p. 283, specimina Montaguana cum speciminibus a. b. C. B. Adams pro sua *T. succinea* missis omnino congrua declarant: species ambæ autem a speciminibus nostris copiosis longe et late discedunt.

Quid sit *Helix subcylindrica* L. et Gmel. omnino dubium remanet. Forbes et Hanley l. c. III. p. 317 (ex autopsia speciminis ill. auctoris) synonymon Linnæanum ad *Truncatellam Montagui* allegant; alii, præsertim auctores Galici, a Chemnitzio in errorem inducti, *Zua lubrica* pro specie Linnæana habent!

### 75. *Truncatella pulchella* Pf..

*Hab.* Sub ligno putrido ad littora maris prope Fajardo copiose.

*Obs.* Species pulchra, forsitan non omnino cum specie Cubana (mihi non obvia) congrua, a qua differre videtur, colore fere lateritio, et peristomate vix adnato, saepius evidenter breviter soluto. Occurrit insuper in insula St. Thomas, et Jamaica unde a C. B. Adams specimina accepi sub nomine *Tr. Adamsi* Pf., species e diagnosi omnino distincta et mihi ignota.

### 76. *Truncatella Clathrus* Lowe.

*Hab.* Rarissime, ut videtur, ad littora maris insulæ Portorico.

*Obs.* Differt a *Tr. scalaris* Mich., quam ex Jamaica accepi, costis numerosioribus (12--13), æquidistantibus, et anfractu ultimo minus abbreviato. Specimina pauca etiam e St. Thomas misit b. Blauner.

### 77. *Planorbis Guadalupensis* Sowb.

*Syn.* *Planorbis Guadalupensis* Reeve Conch. Syst. II. t. 190, f. 2.

*Planorbis Guadalupensis* Dunk. in Chemn. ed. 2, p. 50,  
t. 8, f. 7—9.

**Hab.** In stagnis prope San Juan, Ceiba, Humacao, Luquillo et  
ad Rio Blanco, haud infrequens.

**Obs.** Species colore variabilis, cæpissime saturatius cornea vel  
rufescens, interdum autem pallidissima, fere hyalina, sub  
lente minutissime et crebre spiraliter impresse lineata. Ha-  
beo etiam e Guadalupe, atque forsitan varietatem nitidissimam  
e St. Domingo.

### 78. *Planorbis tumidus* Pf.

**Syn.** *Planorbis tumidus* Dunk. in Chem. ed. 2, p. 39, t. 7,  
f. 10—12.

„ *caribæus* Orb. Cub. I. p. 193, tab. 13, f.  
17—19.

**Hab.** In rivulis et stagnis prope Humacao. Varietas major,  
crassior in insula Vièque.

**Obs.** Vix a specie a cel. Dunker l. c. illustrata diversus, sed  
priori affinis, statura minore, anfr. ultimo magis inflato et  
laterè superiore profundius umbilicato præsertim distinguen-  
dus. *Planorbis affinis* C. B. Ad., vix cum *tumido* com-  
parandus, differt nempe testa eximie striata, superne minus  
umbilicata, et nucleo profunde immerso et occultato. *Pl. tu-  
midus* occurrit etiam in Cuba, Mexico et Vera Cruz, fide  
Dunk.

### 79. *Planorbis albicans* Pf.

**Syn.** *Planorbis albicans* Pf. in Wiegm. Arch. 1839, I.,  
p. 354.

**Hab.** In rivulis prope Aguas Claras, Ceiba et Luquillo, rarissime.

**Obs.** Species parva, cum Pl. albo a cl. auctore bene comparata.

Accepi specimen omnino congrua e Cuba a C. B. Adams et  
Bland, sub nomine *Pl. Lanieriano* forsitan a Poey missa ;  
sed *Pl. Lanierianus* Orb., e descriptione et icone nullomodo  
huc sed ad *Pl. lucidum* Pf. referendus est. Specimina pauca  
etiam ex insula St. Thomas ab am. Bland accepi.

### 80. *Planorbis circumlineatus* Shuttl. n. sp.

Testa parva, tenuis, irregulariter striata, lineisque spiralibus  
elevatis minutis creberrime circumdata, cornea vix nitens, superne  
fere plana ; subtus profunde umbilicata ; anfr.  $3\frac{1}{2}$ , rotundati,  
celeriter accrescentes, ultimus inflato-dilatatus ; apertura oblongo-  
rotundata, parum obliqua, marginibus callo tenui conjunctis.

Diam. maj. 5, min.  $3\frac{3}{4}$ ; Alt. circa 2 mill.

*Var. minor*, nitidiuscula.

*Hab.* In rivulis lente fluentibus prope Humacao; varietas ad Rio Blanco; rarius.

*Obs.* Species distincta, etiam in insula St. Thomas et in St. Domingo occurrentes.

**81. Planorbis Macnabianus C. B. Ad.**

*Syn.* *Planorbis Macnabianus* C. B. Ad! Contr. p. 43.

*Hab.* In stagnis prope San Juan, rarius.

**82. Planorbis lucidus Pf.**

*Syn.* *Planorbis lucidus* Pf. in Wieg. Arch. 1839, I. p. 354.

„ *Lanierianus* Orb. Cub. I. p. 195, tab. 14,  
f. 1 — 4.

„ *Redfieldi* C. B. Ad! Contr. p. 43.

*Hab.* Sub foliis putrescentibus locis uliginosis prope Humacao et Luquillo, copiose.

*Obs.* Vix dubito synonyma supra laudata omnia ad unam et candem speciem pertinere. *Pl. tæniatus* Morelet Test. Nov. I. p. 17, ab auctore ipso in emendatione (pars 2, p. 27) cum *Pl. Lanieriano* conjunctus, e diagnosi diversus videtur. Habet e Cuba, Jamaica et Guadeloupe.

**83. Planorbis Haldemani. C. B. Ad.**

*Syn.* *Planorbis Haldemani* C. B. Ad! Contr. p. 43.

*Hab.* Cum præcedente circa Humacao, Luquillo et ad Rio Blanco.

*Obs.* Species hucusque tantum in Jamaica detecta. Nisi testa hyalina, evidentius spiraliter punctata, et forsitan laxius involuta, vix differt *Planorbis anatinus* Orb. (Voy. p. 551, tab. 43, f. 17 — 20) ab auctore in Provincia Entre Rios ad Rio Parana detectus, cuius specimina copiosa ad *Toninam fluviatilem* prope Bahia lecta accepi, et amicis plurimis cum nomine *Planorbis (nec Helis) vitrinus* communicavi. Synonymon est „*Helix Shuttleworthi*“ Pfr. Mon. Hel. III., p. 110 N° 590, et in Chemn. ed. 2, tab. 138, f. 11, 12.

**84. Physa Sowerbyana Orb.**

*Syn.* *Physa Sowerbyana* Orb. I. Cub. pag. 190, tab. 13,  
f. 11—13 (excl. syn. Sowb. et Gray).

„ *Jamaicensis* C. B. Ad! Contr. p. 174 (1851).

*Hab.* Prope Humacao, Luquillo, San Juan, et in insula Vièque; sed parce.

*Obs.* Species forsitan in Antillas late distributa; accepi specimina congrua e St. Thomas, Guadeloupe et Jamaica. Quanquam cl. Orbigny l. c. specimina Peruviana (*Physa Peruviana* Gray) et Mexicana cum Caribæis conjungit; quanquam diagnosis sua l. c., forsitan tam ad specimina Peruviana quam

ad Caribæa confecta, non omnino cum nostris convenit, at-tamen denominationem suam Adamsianâ ad locum natalem nimis singularē spectante præferimus. Species nostra, ab aliis Caribæis nobis notis, facile distinguitur, testa nitidis-sima, nisi ad suturam ubi breviter et confertim minute pli-catula et marginata, glaberrima, spira producta, gracili, acuta, et anfr. ultimo leviter tantum insiato. Specimina cum nos-tris congrua ex insula Cuba hucusque non accepimus, sed sub nomine *Ph. Sowerbyanæ* tam e Cuba quam ex Jamaica alteram speciem testa breviore, minore et magis obesa, sub lente ubique lineis spiralibus minutis crebre munita, spira minus exserta et anfr. convexioribus distinctam. Hæc, quæ etiam in insula St. Thomas copiose viget, bene cum diagnosi *Physæ striatæ* Orb. I. c. p. 192 tab. 13, f. 14–16 convenit, et sub hoc nomine inter amicos distribuimus.

Quid sit *Physa acuta* Orb. Cub. I. p. 192, ut vulgaris in Cuba, Jamaica, Guadalupe et Martinique indicata, nes-cio; si non *Physa Cubensis* Pf. quæ tertia videtur species distincta, præsertim testa obesiore, lineis spiralibus omnino deficientibus sed interdum remote et irregulariter angulata ab aliis discrepans.

### 85. *Lymneus Cubensis* Pf.

*Syn. Lymneus Cubensis* Pf. Wiegm. Arch. 1839, I. p. 354.

*Lymnaea umbilicata* C. B. Ad. Bost. Journ. III, p. 325, tab. III., f. 14.

" " " ! in Contr. passim.

*Hab.* In rivulis lente fluentibus prope Ceiba, Humacao et Lu-quillo.

*Obs.* Species ut videtur per Antillas vulgaris, secundum cl. aucto-re in Massachusetts occurrens, sed vix cum *L. caperato* Say conjungenda, ut vult cl. Haldeman in Mon. Fresh Wa-ter Shells Lymn. p. 34. Accepi specimina e Cuba, Ja-maica et Ste. Croix; variat umbilico latiuscule aperto, vel, ut in speciminibus ex insula Ste. Croix, fere rimæformi.

### 86. *Ancylus Beaui Bourguignat?*

*Syn. Ancylus Beaui* Bourg. in Petit Journ. 1853. p. 176.

*Hab.* Ad lignum in stagnis prope Luquillo.

*Obs.* In Guadeloupe imprimis repertus. Latior, depressior et forsitan tenuior quam *A. obscurus* Hald.; an autem ab *A. fusco* C. B. Adams distinctus.

### 87. *Ancylus obscurus* Haldeman.

*Syn. Ancylus obscurus* Hald. Mon. p. 9, t. 1, f. 5.

*Ancylus obscurus* C. B. Ad! Contr. passim.

" " Bourg. in Pet. Journ. 1853. p. 179.

*Hab.* Ad arundines et saxa in rivulo prope Humacao, rarissime.

*Obs.* In primis in St. Un. Amer. Bor. detecta, etiam in St. Thomas et Jamaica occurrens. Genus intricatissimum tentamine monographicum el. Bourguignat l. c. vix elucidatum.

## 88. *Ammicola crystallina* Pf.

*Syn.* *Paludina crystallina* Pf. in Wiegmann Arch. 1840, I. p. 253.

" " Küst. in Chemn. ed. II., p. 50, t. 10, f. 7, 8.

" *Jamaicensis* C. B. Ad! Contr. p. 42.

" *anthracina* Migh! Proc. Bost. Soc. 1845, p. 22.

" *cisternicola* Morelet Test. Nov. II. p. 135.

*Var. β.* *coronata*, anfr. superne spinoso-carinatis.

*Syn.* *Paludina coronata* Pf. l. c.

" " Küst. l. c. f. 9—12.

" *ornata* Morelet. l. c.

*Var. γ* *spinifera*, anfr. superne spinoso-carinatis, ultimo subtus spiraliter lirata.

*Syn.* *Melania spinifera* C. B. Ad! Proc. Bost. Soc. 1845. p. 17.

*Var. δ.* *elongata*, spira graciliori, acuta, anfr. minus convexis.

*Hab.* Forma typica et var. *β.*, intermixtae in rivulis et stagnis insulæ Vièque; *γ.* specimina pauca in Portorico prope Humacao et Luquillo; *δ.* in rivulis prope Aguas Claras et Ceiba, copiose.

*Obs.* Per insulas Caribæas omnes, ut videtur, distributa, transitiones omnes inter formam typicam et var. *γ.* ostendens.

Habeo e Cuba, Jamaica, Tortola, St. Jan, St. Thomas, et occurrit, fide Morelet, in Campèche.

C. B. Adams var. *γ.* sub *Melania spinifera* descriptis, sed særissime sub hoc nomine var. *β.* accepi. *Paludestrina Candearia* Orb., secundum specimina in Guadeloupe a Krebs lecta, et mihi nuperrime ab am. Bland communicata, a var. *γ.* statura fere duplo majore differre videtur.

## 89. *Neritina virginea* Lam.

*Syn.* *Neritina Brasiliana* Recl.

" *virginea* Sowb. Thes. p. 533, tab. 116, f. 232 - 239.

*Hab.* In stagnis aquæ dulcis et in rivulis in insula Vièque; forma minor autem, varie picta, ad lignum et saxa in rivulo prope Humacao.

*Obs.* Quanquam valde dubium est an vera *Nerita virginea* L. sit, non est causa mutandæ denominationis Lamarckianæ, ne vix quidem in eam minime appositam cl. Recluzi. Species vulgatissima, per oras Brasiliæ et in Antillas omnes, tam in rivulis et stagnis aquæ dulcis, quam in salsis occurrentes, varietates fere innumerabiles præbens, quarum plurimæ forsitan pro speciebus distinctis ab auctoribus descriptæ: varietas probabiliter forma sequens est.

### 90. *Neritina Listeri* (Pf.)

*Syn.* *Nerita Listeri* Pf. in Wiegm. Arch. 1840 I. p. 255.  
" " Sowb. Thes. p. 534, tab. 116, f. 249  
(vix f. 250, 251).

*Hab.* In rivulis insulæ Vièque; et forma valde erosa, præsertim ad lignum putridum in rivulis ad Sierra de Luquillo, Portorico.

*Obs.* Forma typica a præcedenti notabiliter discrepat, testa globosiore et spira brevissima vix producta; sed transitiones non desunt, et me judice præcedentis mere varietas. De erosione testæ, a crescendi causa inter se ab illis ipsis peracta, alias disserere nobis proponimus.

### 91. *Neretina . . . . . an nov. sp. ?*

Testa parva, exacte semiglobosa, nitidissima, minute striatoplicatula, olivacea, lineis fusco-nigris flexuosis interdum anastomantibus crebre notata; spira brevissima, obtusa, apice erosa; anfr.  $3\frac{1}{2}$ ; sutura adscendens, nigro submarginata; columella recta, denticulata, basi extus callo luteo ornata. Operculum N. virginea.

Alt. et Lat. circa 9 mill.

An *Neritina Listeri* Sowb. Thes. tab. 116, f. 250, 251?

*Hab.* Ex insula Vièque specimen unicum misit Blauner.

*Obs.* Optime, nisi striis crebrioribus, cum figuris laudatis concinit, sed æque bene cum descriptione *Neritæ striolatæ* Recl. in Rev. Cuv. 1841, p. 333; nullomodo autem cum *Neritina striolata* Sowb. Thes. p. 537, tab. 112, f. 98, 99, a cl. Recluz in enumeratione Neritarum in Pet. Jour. 1850, p. 151 pro specie sua recognita. Tamen observandum est, cl. Recluz formam typicam speciei suæ inter conchylias Caribæas initio detexisse; posterius autem insulas Philippinas adscrip-

sit. Exinde forsitan species distinctæ sub hoc nomine confusæ sunt.

**92. Neritina punctulata Lam.**

*Syn. Neritina punctulata* Lam. ed. Desh. 8. p. 584, N° 32  
(Eneycl. Meth. t. 455, f. 2.)

" " Sowb. Ill. N° 6, f. 21.

" *Cassiculum* Sowb. Thes. p. 521, tab. 115,  
f. 194.

(non *N. punctulata* Sowb. Thes. p. 520,  
t. 115, f. 192.)

*Hab.* In rivulis prope Luquillo.

*Obs.* Species per insulas Caribæas fere omnes occurrentes (Jamaica, Guadeloupe, Martinique, St. Vincent), optime l. c. descripta ac delineata, minusque variabilis quam species aliæ generis intricatissimi. *Neritina punctulata* Sowb. Thes. nullomodo huc, sed ad *Neritinam tenebricosam* C. B. Ad! referenda videtur.

**93. Neritina viridis (L.)**

*Hab.* Portorico, specimina pauca missa.

**94. Neritina Pupa (L.)**

*Hab.* Portorico.

*Obs.* Species ambæ in Antillis vulgares-prior etiam in m. Mediteraneo, ad oras Siciliæ, occurrere dicitur.

## MELAMPUS.

*Obs.* Conatus synonyma auctorum præcedentis ævi (Linnei, Gmelini, Dilliwyni) ad species hodie discriminatas ratione accurata allegare, opus inane est: incerta sunt omnia propter descriptiones obscuras, icones rudissimas, et patriæ indicationis defectum (cf. Gmelin et Chemn.). Sequimur igitur systema cl. Lamarck, qui primus has species, duce Brügiero, bene intellexit, et inter Auriculas enumeravit.

**95. Melampus coniformis (Lam.)**

*Hab.* Portorico, copiose.

*Obs.* Spira apice brevissime papillatim acuminata. Anfractus supremi sub lente tenuissime et creberrime spiraliter lineati.

**96. Melampus nitens (Lam.)**

*Hab.* Portorico, copiose.

*Obs.* Spira sensim acutata, apice vix papillaris. Anfractus supremi lineis plurimis (circa 5) creberrime punctatis (in pullis ciliatis) circumdati.

**97. Melampus monilis (Lam.)**

*Syn. Melampus coronatus* C. B. Ad. Contr. p. 41 (juvenis).

*Hab.* Portorico, haud frequens.

*Obs.* Spira apice minutissime papillata. Anfractus supremi in adultis medio serie unica foveolarum distantium circumdati, in pullis autem ciliis longiusculis eximie coronati. Illic et praecedentes ad oras omnium insularum Caribaeorum vulgarissimi sunt.

**98. Melampus cingulatus (Pf.)**

*Hab.* Portorico, cum aliis intermixtus.

*Obs.* Spira obtusata, sed apice subito papillatim mucronata. Nucleus (Anfractus supremi 5) eximie radiatim plicatus. Accepi etiam e Cuba et Jamaica. Species omnes, praesertim ultima, quoad staturam et picturam satis variabiles, sed semper notis supra laudatis optime distinguendæ.

**99. Pedipes quadridens Pf.**

*Hab.* Portorico, haud infrequens.

*Obs.* Species quoad formam, sculpturam, et molem dentis marginis exterioris variabilis; sulci in anfractu ultimo saepe obliterati sunt. *Pedipes ovalis* C. B. Ad! vix nisi formam juvenem esse videtur. Ubique per Antillas distributa; habeo ex Jamaica, St. Thomas et Bermuda.

**100. Cyrenella americana (Morelet).**

*Syn. Cyrenoides americanus* Morelet Test. Nov. II. p. 26,  
Nº 149.

*Hab.* In paludibus prope Arecibo, Portorico a Newton lecta, mihi benevole ab am. Bland communicata.

*Obs.* Specimina 3 accepi, optime cum descriptione laudata congrua, quorum maximum 20 mill. latum et altum, et 13 mill. crassum. In insula Pinos prope Cuba imprimis detecta.

**101. Dreissena Riisei (Dunker).**

*Syn. Tichogonia Riisei* Dunk. in Mal. Zeitsch. 1853, p. 91.

*Hab.* Ad cortices arborum et ramos caducos cum Neritinis, Amnicolis et Serpulæ specie, consocia, in rivulis insulæ Vieque, satis copiose; specimen unicum majorem e Portorico etiam misit Blauner.

*Obs.* Pullæ glaberrimæ, majores autem epidermide pallide cornæ lamellosa concentrica induita, lamellis utrinque in serie duplice, paulo infra umbones oriente, squamose productis. Fide Dunker etiam in St. Thomas obvia.

*Additamentum.* Nuperrime accepimus ab am. Bland specimina prope Ponce, Portorico, a cl. R. Swift lecta, dubitanter pro *Pupa Riisei* Pf. missa, qua nullomodo ab illis sub nomine *Bul. nitiduli* Pf. supra enumeratis discrepant.

**Tiefer Barometerstand in Bern.** Emmanuel Fueter erhielt für den auf 100 R. reducirten Stand seines Barometers am 2. Februar 1823, um 1 Uhr Nachmittags 682<sup>mm</sup>,00, und sagt, ein so niedriger Stand sei seit 1760 und vielleicht lange vorher nie beobachtet worden, und doch habe, für Bern wenigstens, diese ausserordentliche atmosphärische Bewegung keine Folgen gehabt. (R. Wolf.)

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