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Artikel: The molluscan species described by Robert James Shuttleworth. II. Polyplacophora, Gastropoda (Caenogastropoda), Bivalvia

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Anhang: [Plates]

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Plate 1

Chitonidae I.

Figs. 1–4. *Chiton* (*Acanthopleura*) *blauneri* SHUTTLEWORTH, 1856. Holotype NMBE 19117, Puerto Rico, leg. Blauner 1853.

Fig. 1: Situs dorsal (L = 48.3 mm, scaled 2x).

Fig. 2: Detail of girdle with scales.

Fig. 3: Dorsal view on valve 1.

Fig. 4: Dorsal view on valve 8.

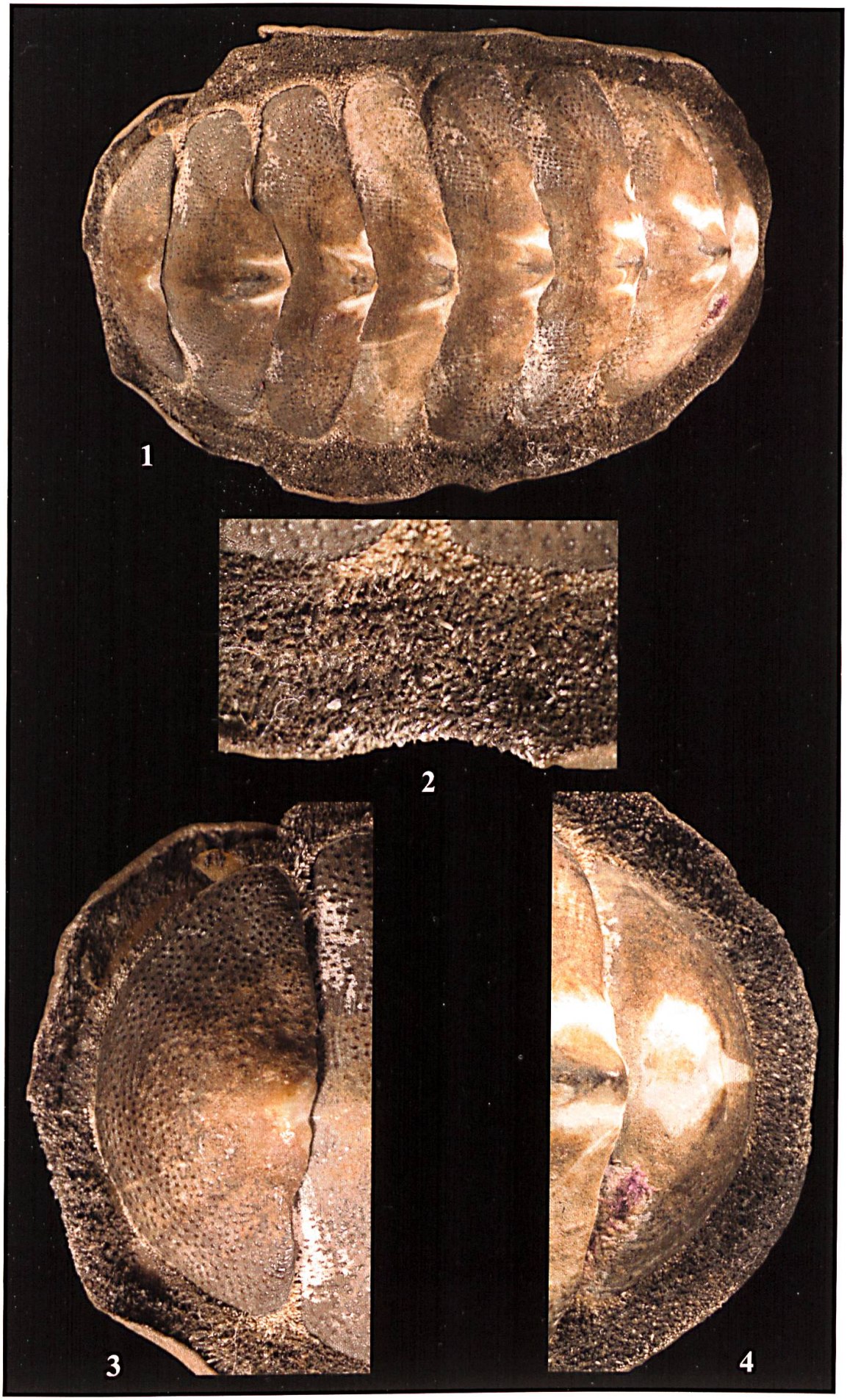
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Plate 2

Chitonidae II.

Figs. 1–5. *Chiton* (*Lophurus*) *gemmulatus* SHUTTLEWORTH, 1853. Syntype NMBE 19120, USA, Virgin Islands "St. Thomas", leg. Blauner 1852.

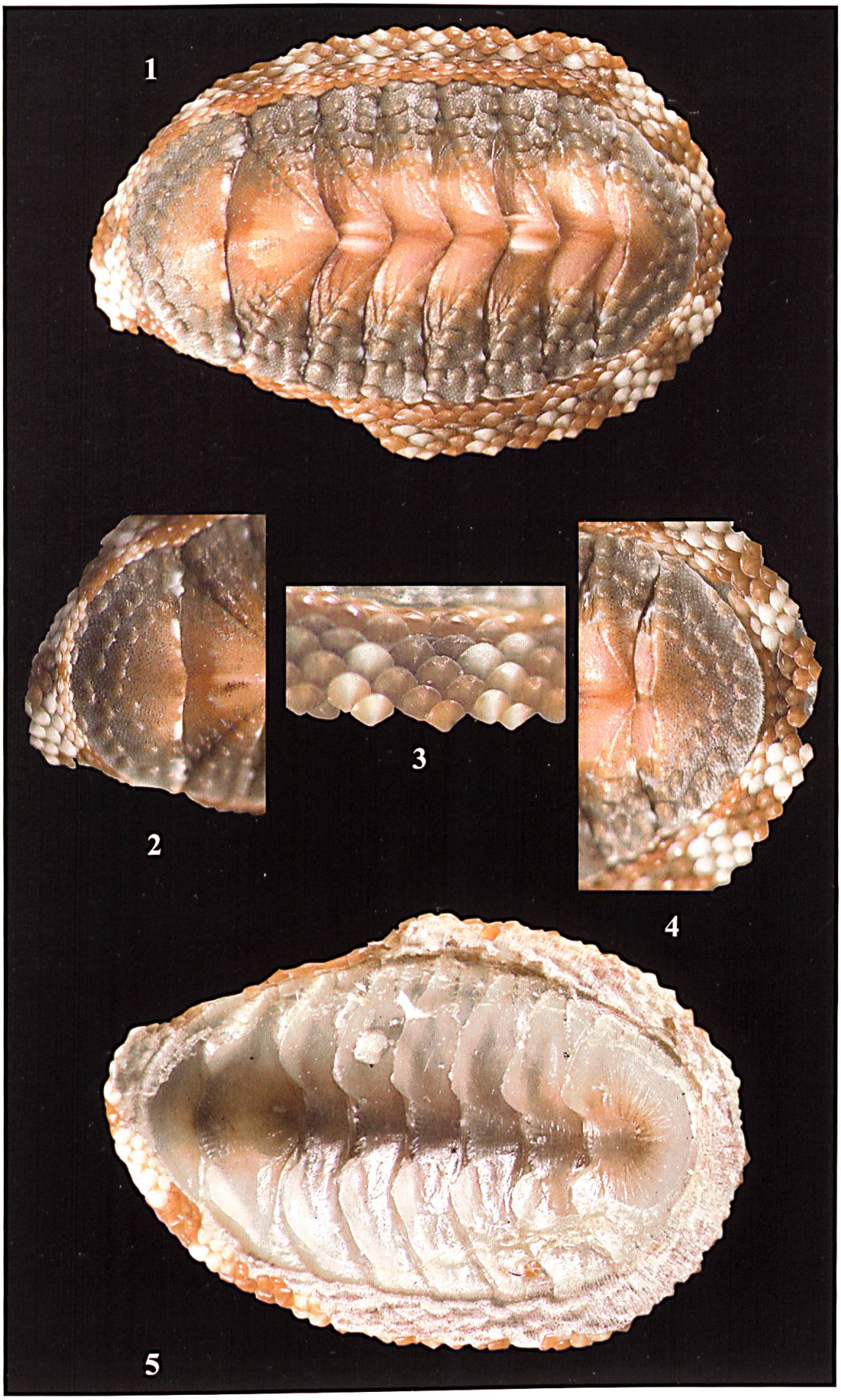
Fig. 1: Situs dorsal (L = 8.4 mm, scaled 11x).

Fig. 2: Dorsal view on valve 1.

Fig. 3: Detail of girdle with scales.

Fig. 4: Dorsal view on valve 8.

Fig. 5: Situs ventral (L = 8.4 mm, scaled 11x).



Mollusca described by Shuttleworth II.

Plate 3

Chitonidae III.

Figs. 1–3. *Chiton* (*Tonicia*) *schrammi* SHUTTLEWORTH, 1856. Lectotype MNHN, paralectotype NMBE 19115, West Indies, Guadeloupe, ex Bernardi 1855.

Fig. 1: Lectotype MNHN (L = 29 mm, scaled 4x).

Fig. 2: Paralectotype NMBE 19115 (L = 26 mm, scaled 4x).

Fig. 3: Paralectotype NMBE 19115, detail of median valves with girdle.

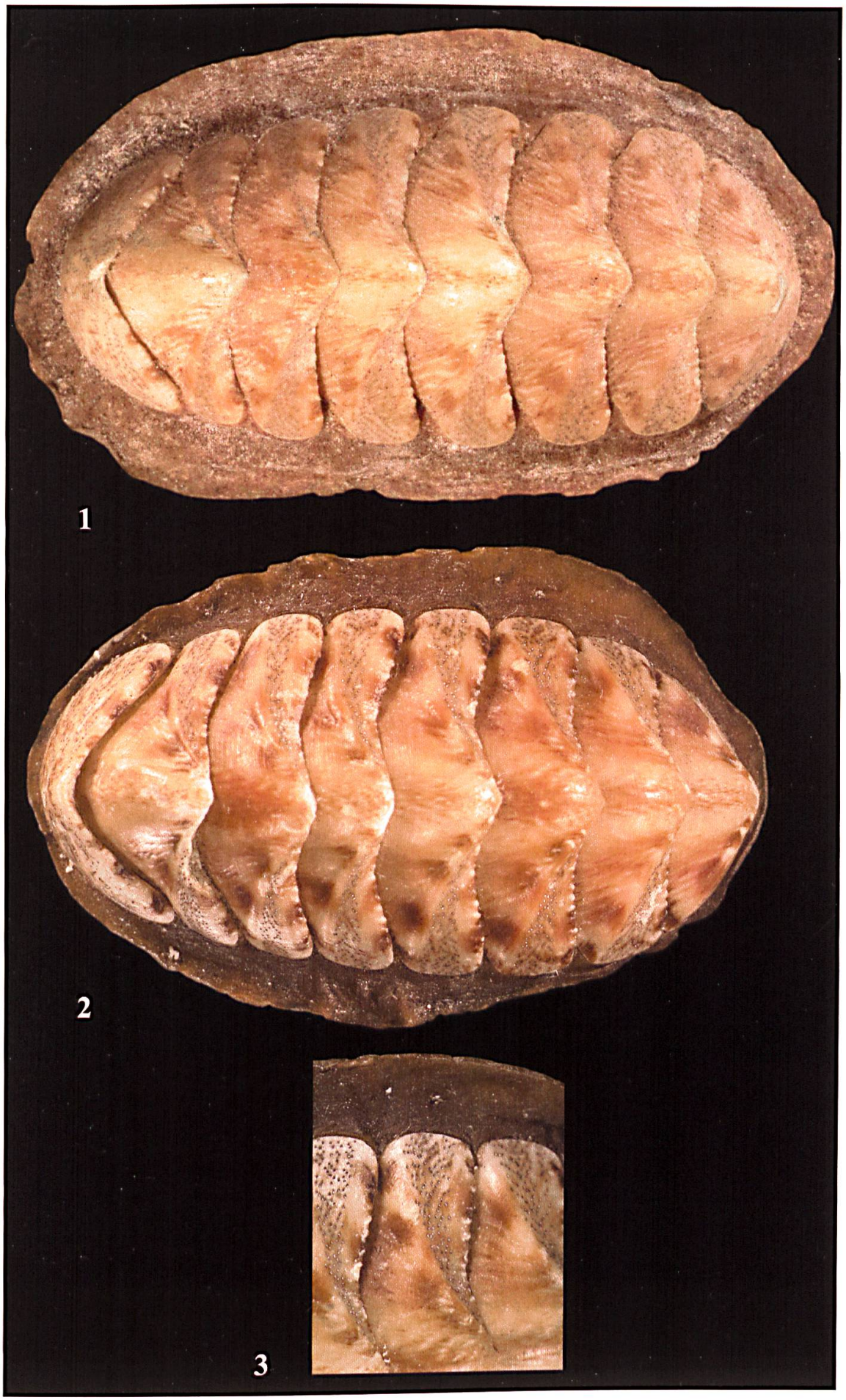

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Plate 4

Chitonidae IV, Ischnochitonidae I.

Figs. 1–2. *Chiton* (*Tonicia*) *schrammi* SHUTTLEWORTH, 1856. Paralectotype NMBE 19115, West Indies, Guadeloupe, ex Bernardi 1855.

Fig. 1: Dorsal view on valve 1.

Fig. 2: Dorsal view on valve 8.

Figs. 3–6. *Chiton* (*Acanthopleura*) *piceolus* SHUTTLEWORTH, 1853. Syntype NMBE 19119, Canary Islands "Tenerife", leg. Blauner 1850.

Fig. 3: Ventral view on disarticulated syntype specimen.

Fig. 4: Dorsal view on valve 1 (width = 2.8 mm).

Fig. 5: Dorsal view on valve 4 (width = 4.0 mm).

Fig. 6: Dorsal view on valve 8 (width = 2.6 mm).

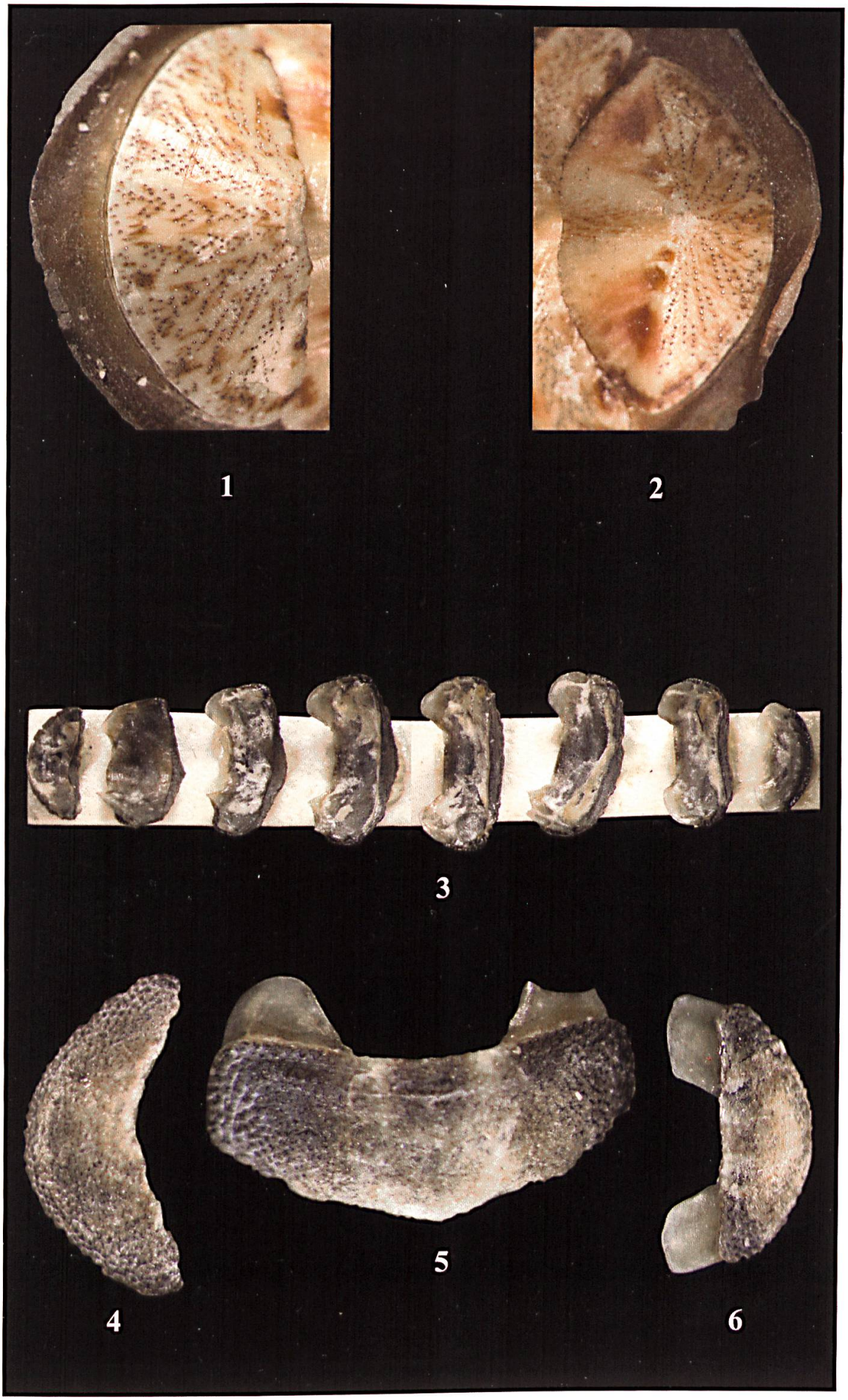
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Plate 5

Ischnochitonidae II.

Figs. 1–5. *Chiton* (*Chaetopleura*) *asper* SHUTTLEWORTH, 1856. Syntype NMBE 19118, West Indies, Guadeloupe, ex Bernardi 1855.

Fig. 1: Situs dorsal (L = 10.5 mm, scaled 8x).

Fig. 2: Dorsal view on valve 1, 2.

Fig. 3: Dorsal view on valve 4, 5, 6.

Fig. 4: Dorsal view on valve 7, 8.

Fig. 5: Situs ventral (L = 10.5 mm, scaled 8x).

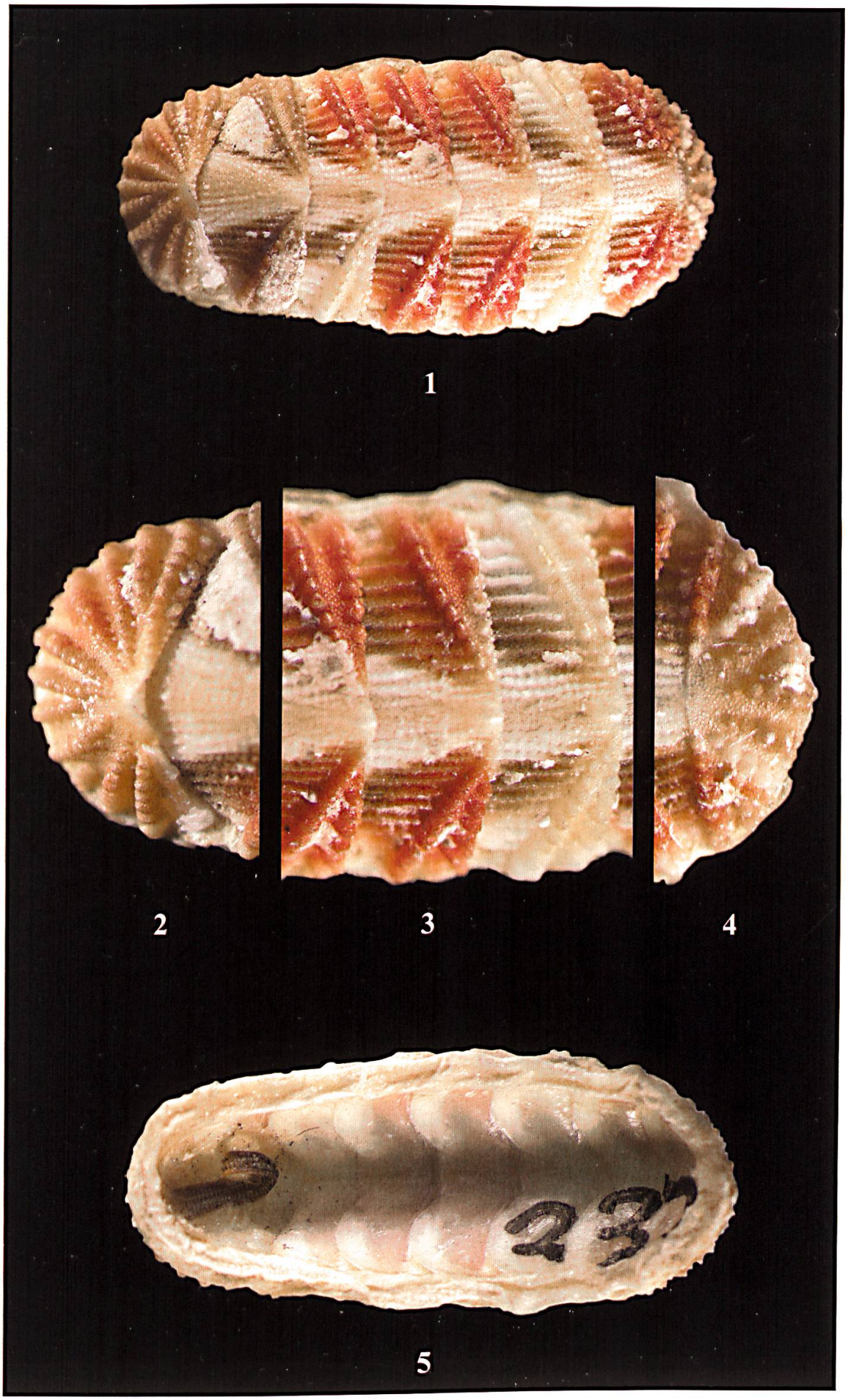
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Plate 6

Hydrocenidae, Truncatellidae, Cyclophoridae.

Fig. 1. *Hydrocaena gutta* SHUTTLEWORTH, 1852. Syntype NMBE 18974, Canary Islands "Teneriffa", leg. Blauner 1851 (H = 2.9 mm, scaled 20x).

Fig. 2. *Truncatella lowei* SHUTTLEWORTH, 1852. Syntype NMBE 19114, Canary Islands "ad oram maritimam insulae Teneriffae", leg. Blauner (H = 5.7 mm, scaled 15x).

Fig. 3. *Cyclostoma* (*Craspedopoma*) *costatum* SHUTTLEWORTH, 1852. Syntype NMBE 18977, Canary Islands "Palma", leg. Blauner 1851 (H = 4.0 mm, scaled 15x).

Fig. 4. *Cyclostoma* (*Cyclophorus* vel *Leptopoma*) *thersites* SHUTTLEWORTH, 1852. Syntype NMBE 19097, Philippines, ex Verreaux 1851 (H = 19.3 mm, scaled 2x).


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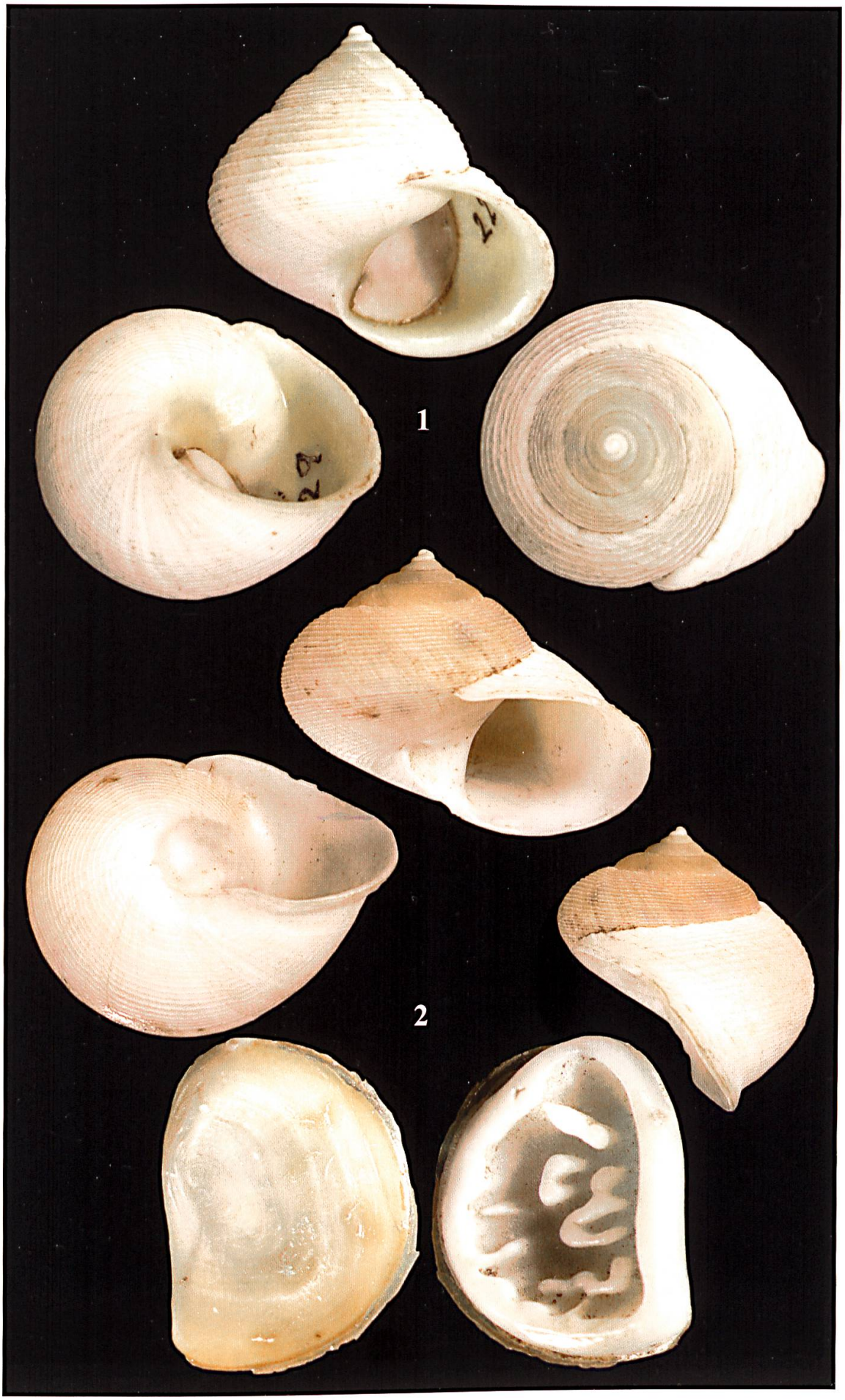
Plate 7

Helicinidae I, all figures 4x.

Fig. 1. *Trochatella chrysostoma* L. PFEIFFER, 1852. NMBE 18817, Cuba, Punta Brava, leg. Rugel 1849 (H = 11.35 mm).

Fig. 2. *Trochatella opima* SHUTTLEWORTH, 1852. Syntype NMBE 15271, "Haiti", leg. Sallé ex Cuming 1852 (H = 10.1 mm).



Mollusca described by Shuttleworth II.

Plate 8

Helicinidae II, all figures 4x.

Fig. 1. *Helicina chrysocheila* SHUTTLEWORTH, 1852. Holotype NMBE 15267, Mexico "Cordova, Vera Cruz", ex Jacot-Guillarmod (H = 8.05 mm).

Fig. 2. *Helicina cinctella* SHUTTLEWORTH, 1852. Syntype NMBE 15275, Mexico "Cordova, Vera Cruz", ex Jacot-Guillarmod 1852 (H = 8.2 mm).

Fig. 3. *Helicina delicatula* SHUTTLEWORTH, 1852. Holotype NMBE 19074, Mexico "Cordova, Vera Cruz", ex Jacot-Guillarmod (H = 5.88 mm).


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Plate 9

Helicinidae III.

Fig. 1. *Helicina elata* SHUTTLEWORTH, 1852. Syntype NMBE 15269, Mexico "Cordova, Vera Cruz", ex Jacot-Guillarmod (H = 4.0 mm, scaled 8x).

Fig. 2. *Helicina sandozi* SHUTTLEWORTH, 1852. Syntype NMBE 15270, "Mexico", leg. Sandoz ex Nicolet (H = 10.2 mm, scaled 4x).

Fig. 3. *Helicina umbonata* SHUTTLEWORTH, 1854. "Syntype" NMBE 15272, Puerto Rico, leg. Knox 1853 (H = 3.55 mm, scaled 8x).

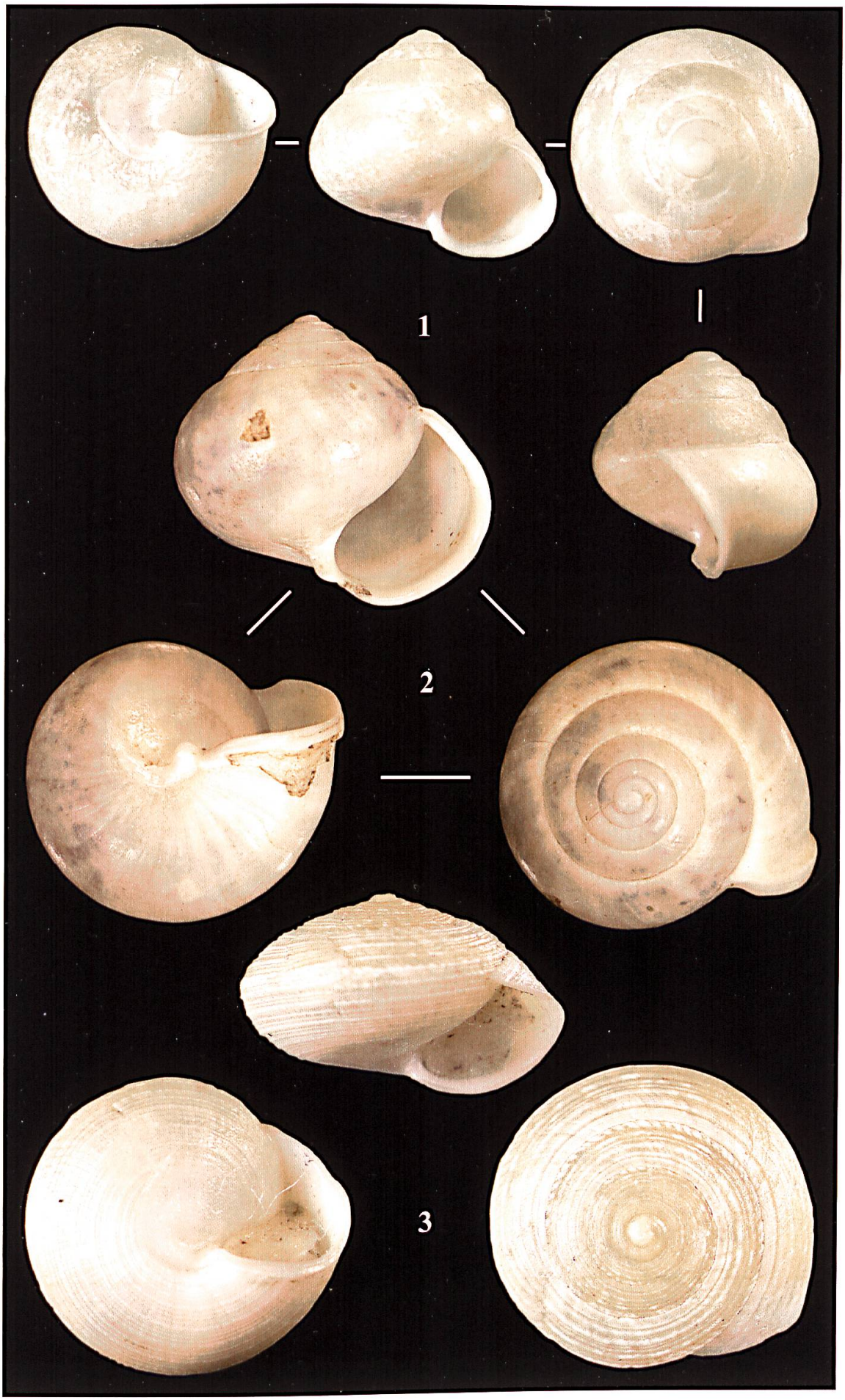
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Plate 10

Helicinidae IV.

Fig. 1. *Helicina vinosa* SHUTTLEWORTH, 1854. Syntype NMBE 18813, Puerto Rico "Rio Blanco" (H = 2.33 mm, scaled 12x).

Fig. 2. *Schasicheila nicoleti* SHUTTLEWORTH, 1852. Syntype NMBE 15274, Mexico "Cordova, Vera Cruz", leg. Jacot-Guillarmod ex Nicolet (H = 12.2 mm, scaled 4x).

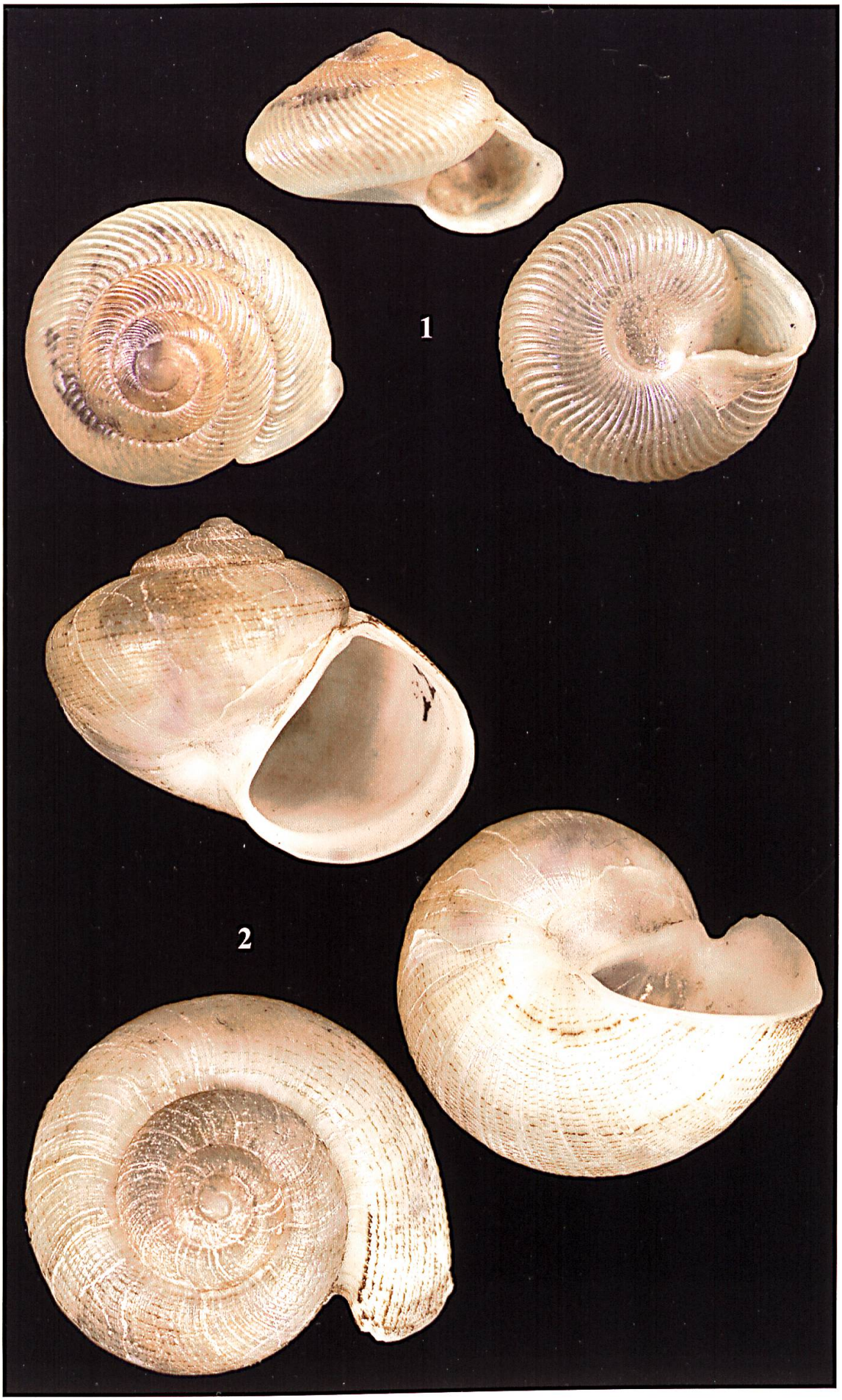
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Plate 11

Megalomastomatidae, Fasciolariidae, Pleuroceridae.

Fig. 1. *Cyclostoma* (*Megalomastoma*) *verruculosum* Shuttleworth, 1854. Syntype NMBE 19104, Puerto Rico "Sierra de Luquillo", leg. Blauner 1853 (H = 16.5 mm, scaled 5x).

Fig. 2. *Cyclostoma* (*Megalomastoma*) *croceum* var. *minor* Shuttleworth, 1854. Syntype NMBE 20737, Puerto Rico "sine localitate, Blauner 1853" (H = 21.0 mm, scaled 5x).

Fig. 3. *Fusus hartvigii* Shuttleworth, 1856. Syntype NMBE 19094, USA, Virgin Islands "St. Thomas", leg. Blauner 1853 (H = 30.1 mm, scaled 4x).

Fig. 4. *Gyrotoma pyramidata* Shuttleworth, 1845. Syntype NMBE 19112, USA, Alabama "auf Felsen im Flusse Coosa bei Wetumpka", leg. Rugel 1843 (H = 21.2 mm, scaled 3x).

Fig. 5. *Gyrotoma ovoidea* Shuttleworth, 1845. Syntype NMBE 19111, USA, Alabama "auf Felsen im Flusse Coosa bei Wetumpka", leg. Rugel 1843 (H = 18.32 mm, scaled 3x).

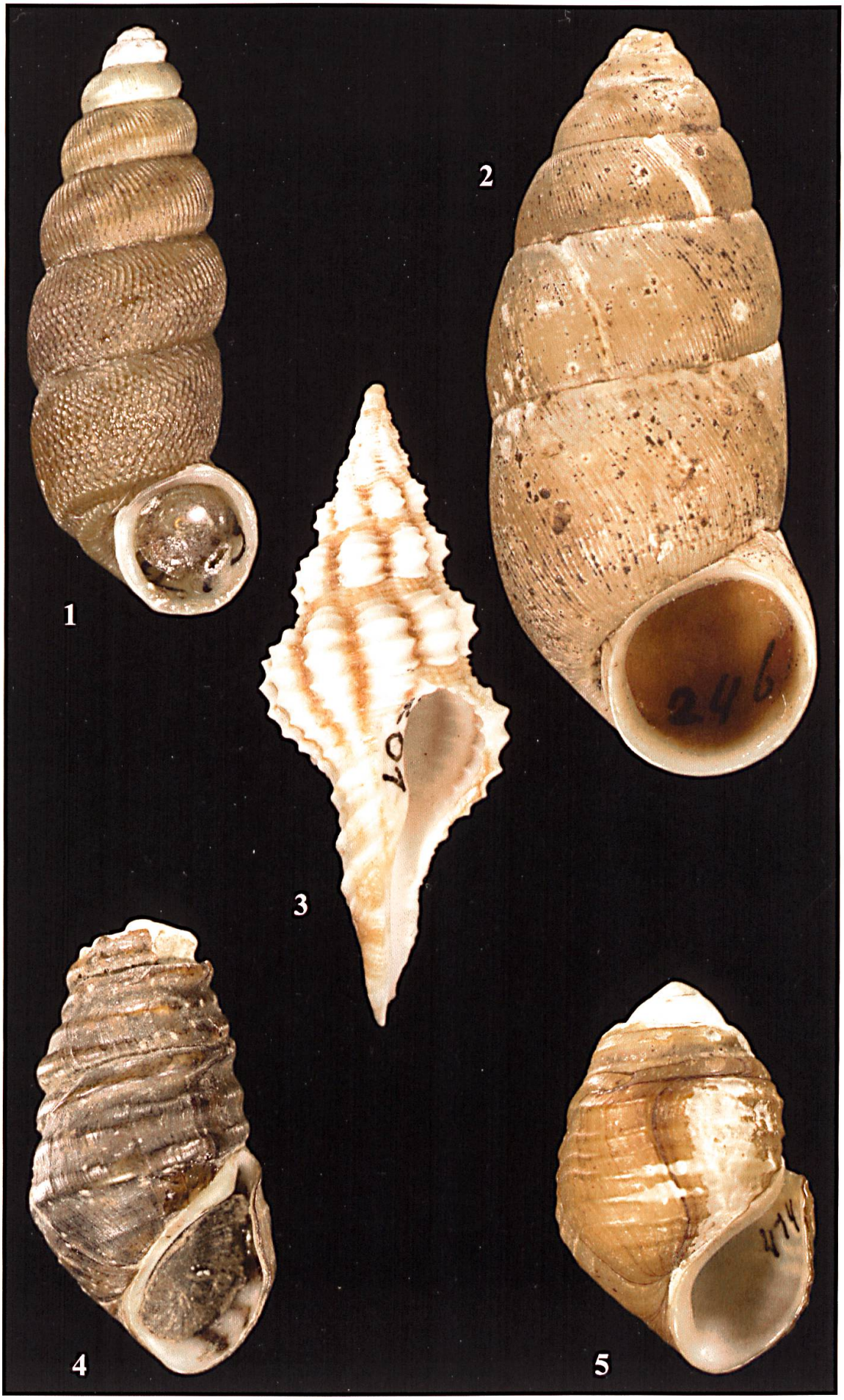
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Plate 12

Neocyclotidae I, all figures 4x.

Figs. 1a–c. *Cyclostoma* (*Cyclotus*) *floccosum* SHUTTLEWORTH, 1857. Syntype NMBE 19100, "Haiti", ex Cuming 1852 (D = 9.98 mm).

Fig. 1a: Syntype specimen in three different views.
Fig. 1b: Operculum, outer surface (diameter of nucleus without fringe 3.1 mm).
Fig. 1c: Operculum, inner surface (diameter of nucleus without fringe 3.1 mm).

Fig. 2. *Cyclostoma* (*Cyclophorus*) *schrammi* SHUTTLEWORTH, 1857. Syntype NMBE 19095, French Antilles "Guadeloupe", ex Petit 1854/1855 (D = 11.82 mm).

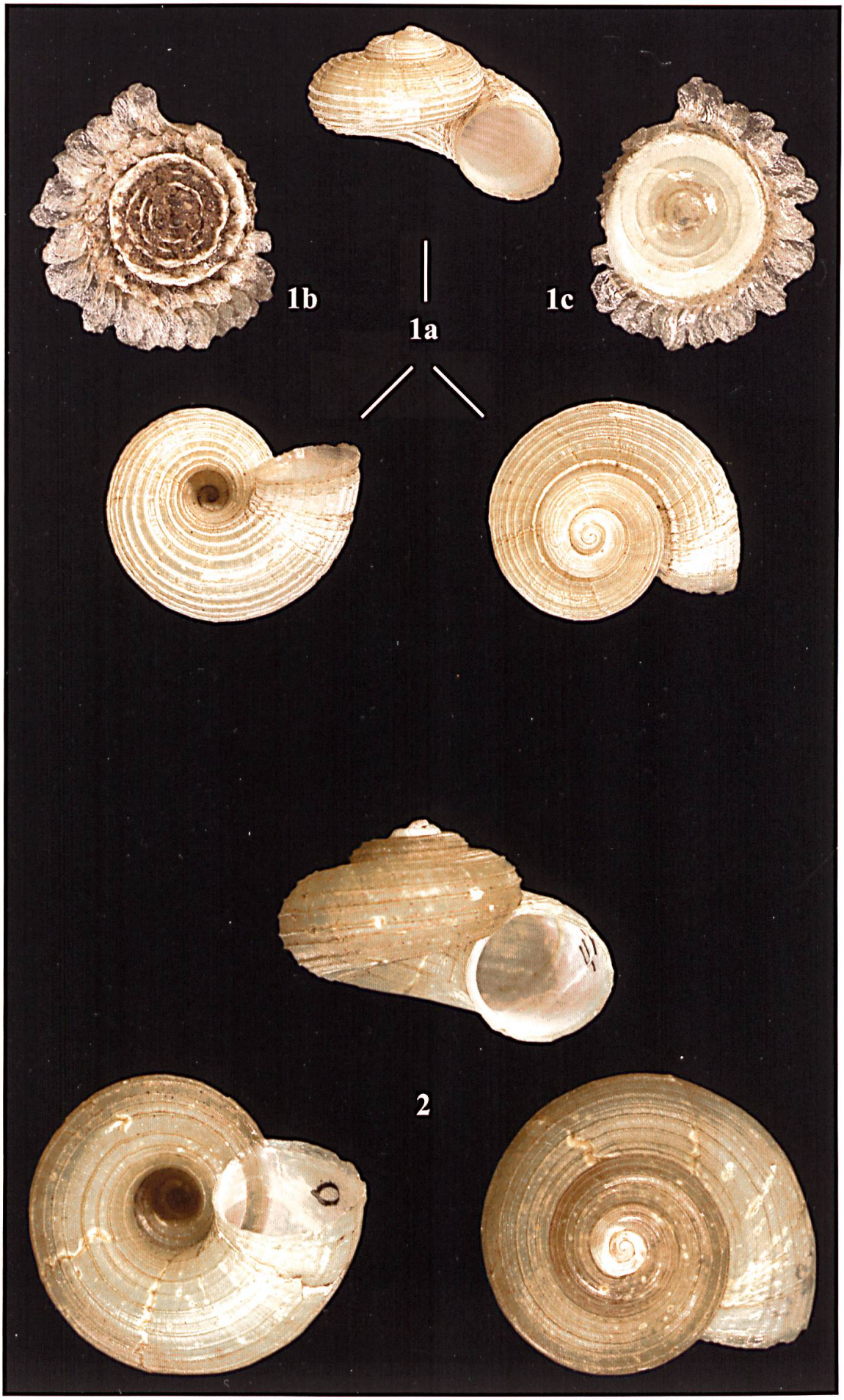
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Plate 13

Neocyclotidae II, all figures 3x.

Fig. 1. *Cyclostoma* (*Cyclotus*) *martinicense* SHUTTLEWORTH, 1857. Syntype NMBE 19099, French Antilles "Ins. Martinique", ex Petit 1854 (D = 14.29 mm).

Fig. 2. *Cyclostoma* (*Cyclophorus*) *cayennense* SHUTTLEWORTH, 1852. Syntype NMBE 19096, French Guyana "Cayenne", ex Verreaux (D = 21.69 mm).

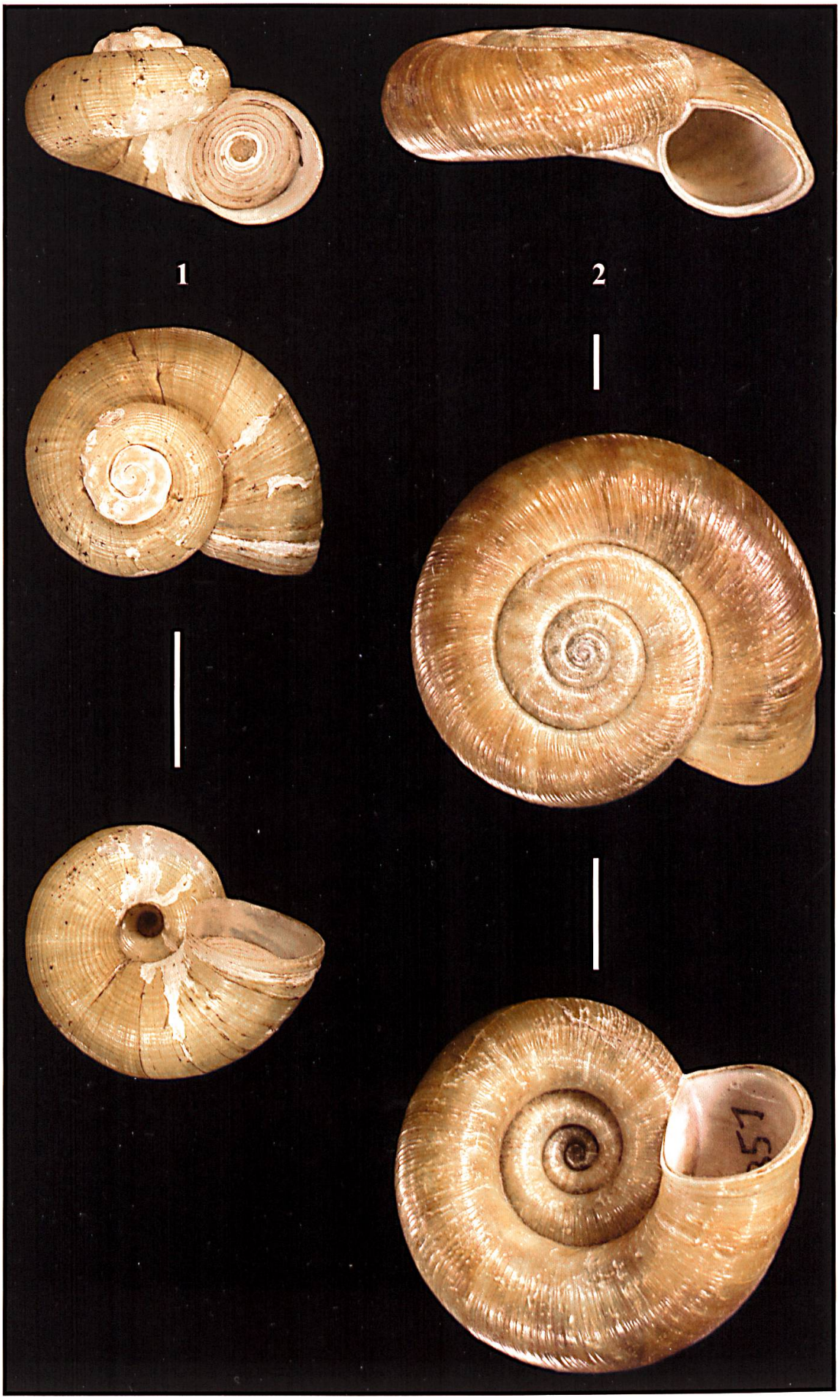
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Plate 14

Neocyclotidae III, Annulariidae I.

Fig. 1. *Cyclostoma* (*Cyclotus*) *granadense* SHUTTLEWORTH, 1857. Holotype NMBE 19098, West Indies, "Insul. Granada", leg. Newcomb ex Bland 1856 (D = 15.69 mm, scaled 3x).

Fig. 2. *Cyclostoma* (*Chondropoma*) *blauneri* SHUTTLEWORTH, 1854. Syntype NMBE 18847, Puerto Rico "prope Humacao", leg. Blauner 1853 (H = 18.5 mm, scaled 4x).

Fig. 3. Annulariidae gen. sp. 1, NMBE 18849b (H = 14.85 mm, scaled 4x).

Fig. 4. Annulariidae gen. sp. 2, NMBE 18849c (H = 13.5 mm, scaled 4x).


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Plate 15

Annulariidae II, all figures 5x.

Fig. 1. *Cyclostoma* (*Chondropoma*) *swiftii* SHUTTLEWORTH, 1854. Syntype NMBE 19109, Puerto Rico "Ponce", leg. Swift ex Bland 1853 (H = 18.2 mm).

Fig. 2. *Cyclostoma* (*Chondropoma*?) *newtoni* SHUTTLEWORTH, 1854. Syntype NMBE 19110, Puerto Rico "Arecibo", leg. Newton ex Bland 1853 (H = 13.9 mm).

Fig. 3. *Cyclostoma* (*Choanopoma*) *senticosum* SHUTTLEWORTH, 1854. Syntype 19107, Puerto Rico "prope Luquillo", leg. Blauner 1853 (H = 16.0 mm).


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Plate 16

Carditidae.

Figs. 1a–f. *Cardita conradi* SHUTTLEWORTH, 1856. Syntype NMBE 501773, USA, Florida, Tampa Bay, leg. Rugel 1847 (L = 27.55 mm, H = 18.05 mm.)

1a, b: External view of valves. 1a: left valve; 1b: right valve.
1c, d: Internal view of valves. 1c: left valve; 1d: right valve.
1e, f: View of hinge area. 1e: left valve; 1f: right valve.

Figs. 2a–f. *Cardita gracilis* SHUTTLEWORTH, 1856. Syntype NMBE 501774, Puerto Rico, leg. Blauner 1853 (L = 30.91 mm, H = 14.5 mm).

2a, b: External view of valves. 2a: left valve; 2b: right valve.
2c, d: Internal view of valves. 2c: left valve; 2d: right valve.
2e, f: View of hinge area. 2e: left valve; 2f: right valve.

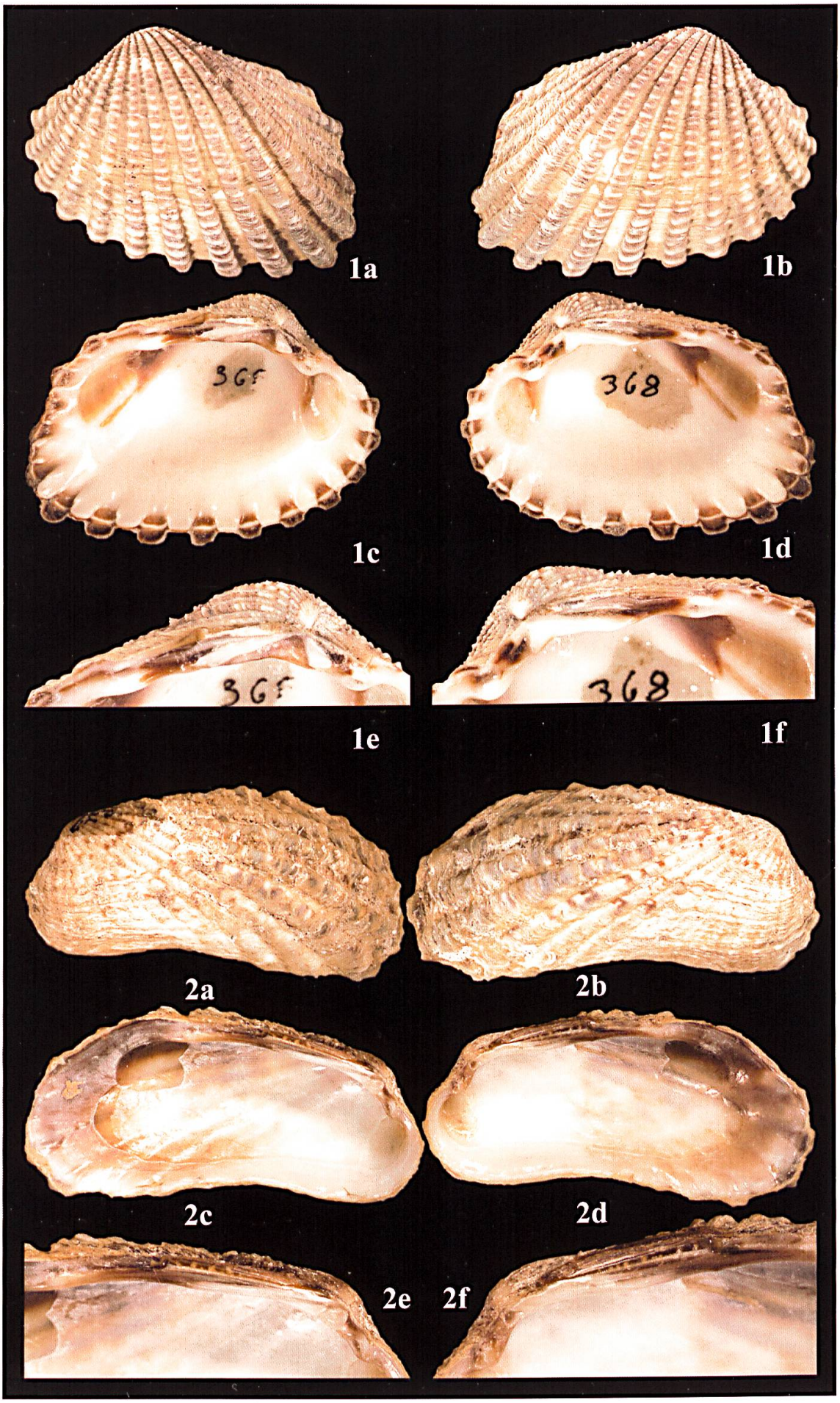
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Plate 17

Donacidae, Cardiidae.

Figs. 1a–f. *Iphigenia media* SHUTTLEWORTH, 1856. Syntype NMBE 501776, Puerto Rico, leg. Blauner 1853 (L = 65.77 mm, H = 43.35 mm).

1a, b: External view of valves. 1a: left valve; 1b: right valve.
1c, d: Internal view of valves. 1c: left valve; 1d: right valve.
1e, f: View of hinge area. 1e: left valve; 1f: right valve.

Figs. 2a–f. *Cardium egmontianum* SHUTTLEWORTH, 1856. Syntype NMBE 501775, USA, Florida, Tampa Bay, Egmont Keys, leg. Rugel (L = 39.2 mm, H = 48.55 mm).

2a, b: External view of valves. 2a: left valve; 2b: right valve.
2c, d: Internal view of valves. 2c: left valve; 2d: right valve.
2e, f: View of hinge area. 2e: left valve; 2f: right valve.

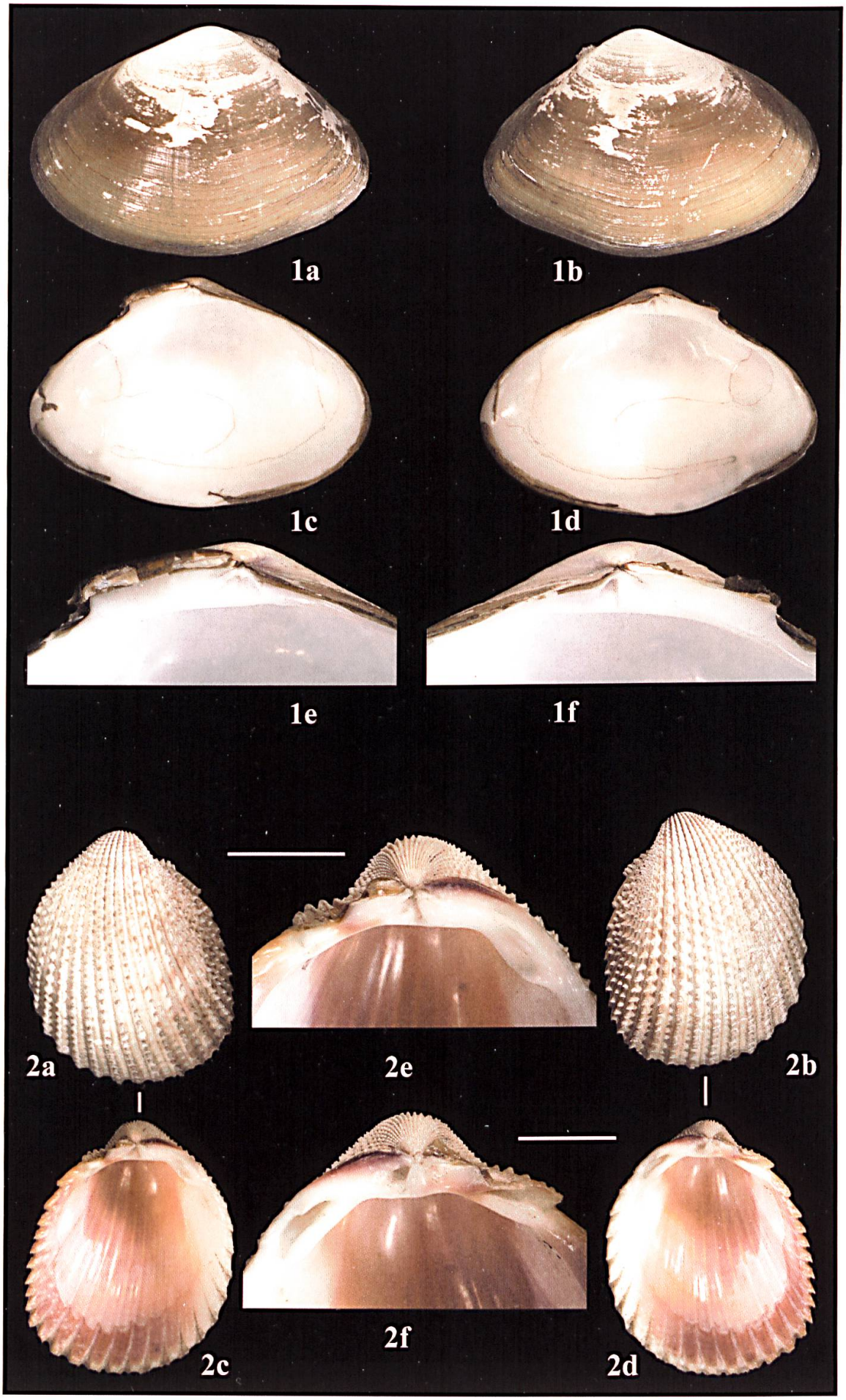
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Plate 18

Mactridae.

Figs. 1a–f. *Mulinea portoricensis* SHUTTLEWORTH, 1856. Syntype NMBE 501777, Puerto Rico, leg. Blauner 1853 (L = 36.3 mm, H = 32.95 mm).

1a, b: External view of valves. 1a: left valve; 1b: right valve.
1c, d: Internal view of valves. 1c: left valve; 1d: right valve.
1e, f: View of hinge area. 1e: left valve; 1f: right valve.

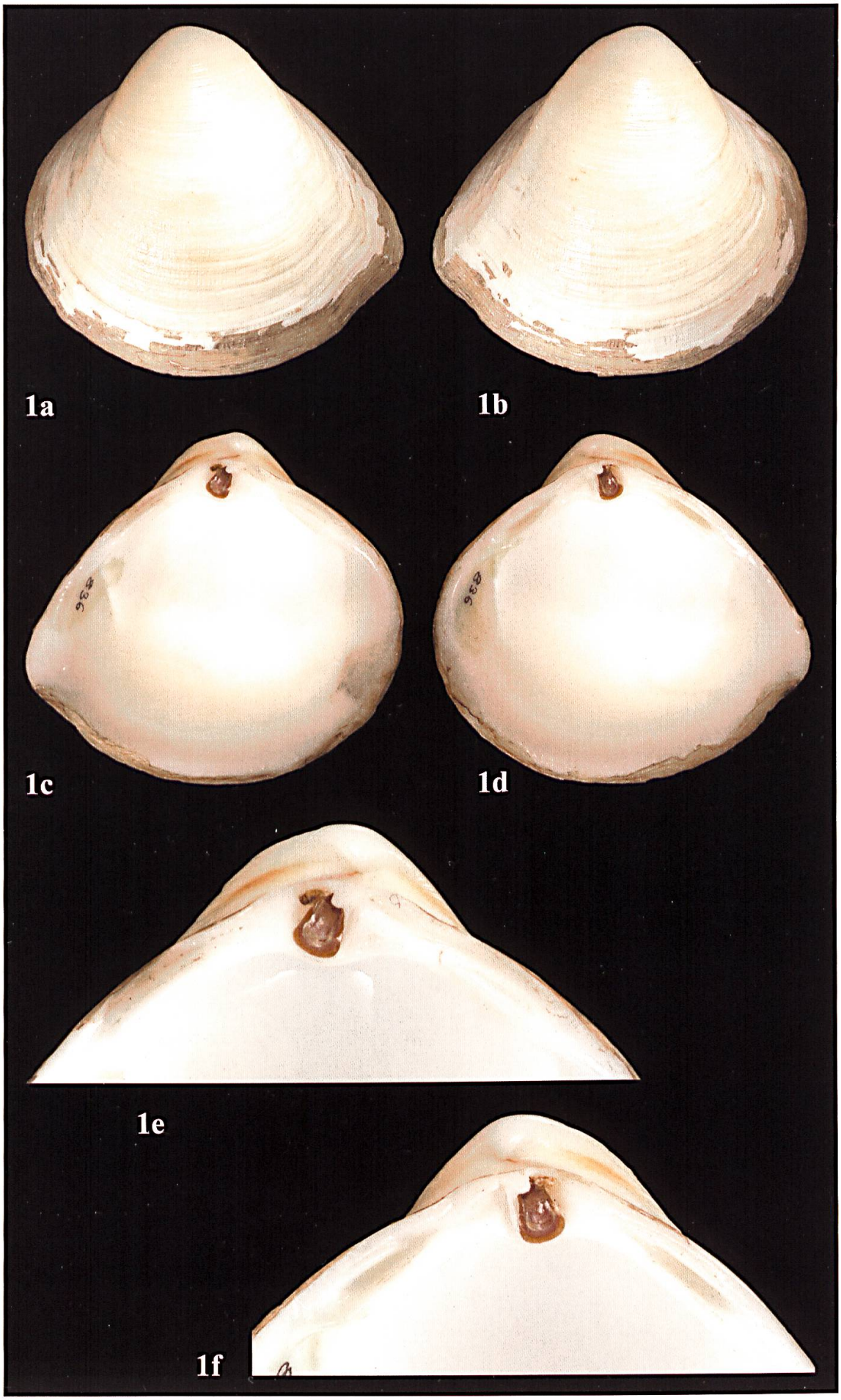
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Plate 19

Sphaeriidae.

Figs. 1a–f. *Pisidium canariense* SHUTTLEWORTH, 1852. Syntype NMBE 501772, Canary Islands "Teneriffa", leg. Blauner (L = 3.36 mm, H = 2.77 mm).

1a, b: External view of valves. 1a: left valve; 1b: right valve.
1c, d: Internal view of valves. 1c: left valve; 1d: right valve.
1e, f: View of hinge area. 1e: left valve; 1f: right valve.

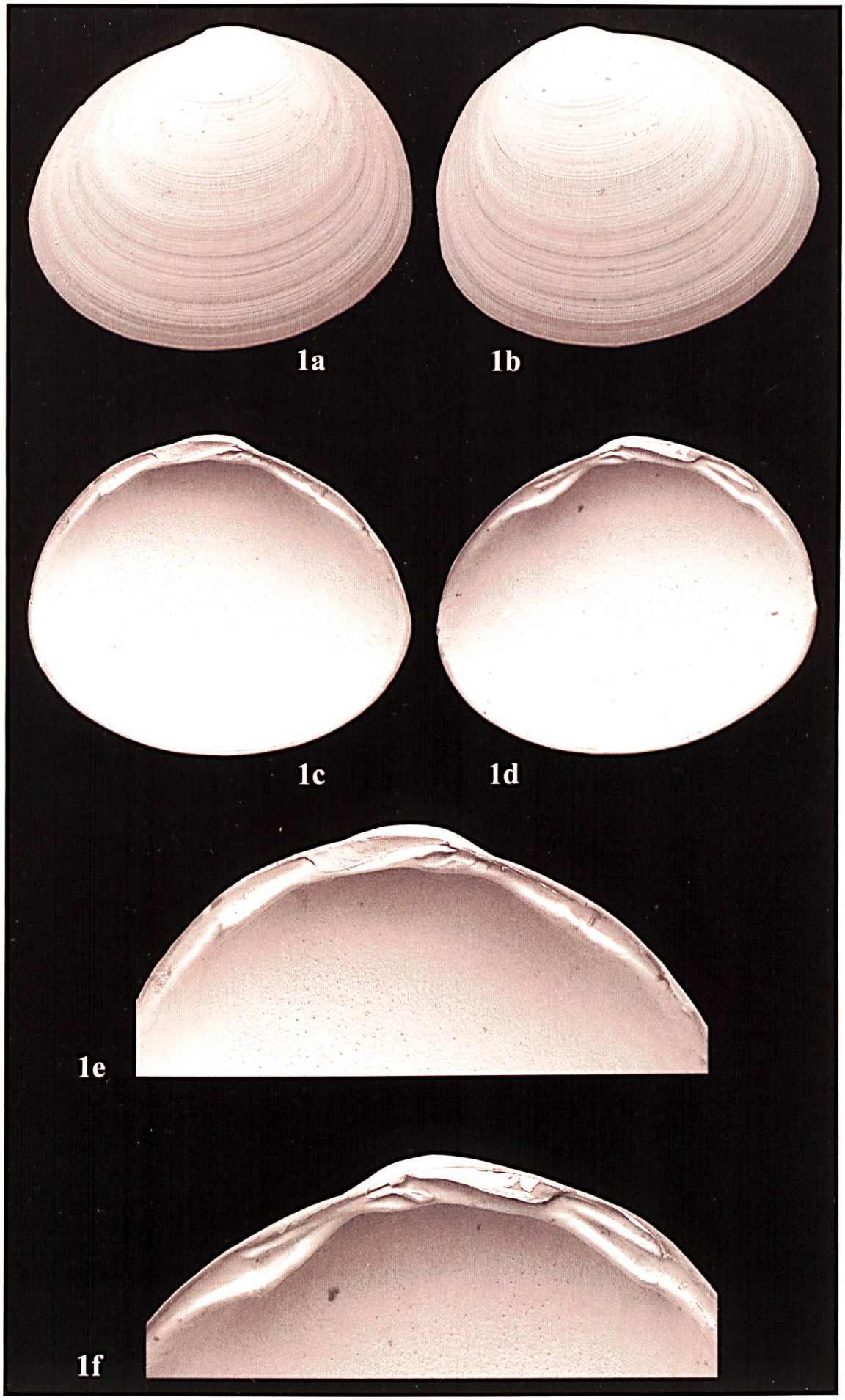
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Plate 20

Oxychilidae, Orthalicidae, Succineidae.

Fig. 1. *Helix blauneri* SHUTTLEWORTH, 1843. Lectotype NMBE 19038a, France, Corsica, leg. Blauner 1842 (D = 10.3 mm, scaled 4x).

Fig. 2. *Orthalicus livens* SHUTTLEWORTH, 1856. Syntype MHNN, Mexico, "probabiliter prope Vera Cruz", ex Nicolet (H = 57.8 mm, scaled 1.5x).

Fig. 3. *Succinea hyalina* SHUTTLEWORTH, 1854. Syntype NMBE 18949, Puerto Rico "Rio Blanco", leg. Blauner 1853 (H = 10.6 mm, scaled 6x).


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