



SHELL-O-GRAM

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Jacksonville Shell Club, Inc.
4132 Ortega Forest Drive
Jacksonville, FL 32210-5813

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Although meetings were suspended for over a year, we are now back in session. The club customarily meets monthly at the Southeast Branch of the Jacksonville Public Library, 10599 Deerwood Park Blvd., Jacksonville, Florida <<https://www.jaxpubliclibrary.org/locations/southeast-regional>>. Please address any correspondence to the club's address above. Annual membership dues are \$15.00 individual, \$20.00 family (domestic) and \$25.00 (overseas). Lifetime membership is available. Please remit payment for dues to the address below and make checks payable to the Jacksonville Shell Club. The club's newsletter and scientific journal, the *Shell-O-Gram* (ISSN 2472-2774) is issued bimonthly and mailed to an average of 15 regular members by specific request and no less than ten scientific institutions with permanent libraries. An electronic (pdf) version, identical except for "live" URL's and color (vs. B&W) images, is issued the next day and sent to about 200 individuals who have indicated an interest in malacological research. These pdf's (ISSN 2472-2782) have also been regularly posted to <<http://jaxshells.org/letters.htm>> since November, 1998. We encourage members and friends to submit articles for publication. Closing date for manuscript submission is two weeks before each month of publication. Articles appearing in the *Shell-O-Gram* may be republished provided credit is given the author and *Shell-O-Gram* Editor-in-Chief. As a courtesy, the editor and author should receive a copy of the republication. Contents of the *Shell-O-Gram* are intended to enter the permanent scientific record.

Membership Dues are payable in **September** each year.

Many of you have complied, but if you're in arrears, please send in your dues:

Individual \$15.00; Family \$20.00, to
Harry G. Lee, Treasurer, JSC
4132 Ortega Forest Drive
Jacksonville, FL 32210-5813

Upcoming meetings

The Jacksonville Shell Club, Inc. (JSC) customarily meets on the **fourth** Thursday of each month except for November (a week earlier due to Thanksgiving) in Function Room D of the Southeast Branch, Jax Public Library <<https://www.jaxpubliclibrary.org/locations/southeast-regional>>. At the time of this *Shell-O-Gram* issue, the library has given us the go-ahead to reprise our in-person meetings. Of course, everyone in attendance is expected to have been fully vaccinated, be feeling well, and to comply with CDC recommendations for masking and social distancing. Our January meeting will convene on the 27th at 7:00 PM. For the main program Rick Edwards will report his experiences shelling and diving while on cruise February 21 through March 2, 2020 (Labadee, Haiti; St Thomas, American Virgin Islands; and the nearby Dutch enclave, St. Maarten). This talk was ready to go when the COVID-19 pandemic forced closure of the library - almost two years ago! Harry Lee will present the Shell-of-the-Month, *Fontigens symmetrica* Pilsbry in Olsson & Harbison, 1953 [p. 7], a species which has recently appeared in several spots in FL & TX. For **February meeting**, see p. 10.

CONCHOLOGISTS OF AMERICA 50th Anniversary



Galveston, Texas

Howdy Y'all

May 31 – June 4, 2022

- ❖ 50 years of fabulous memories
- ❖ Terrific convention locations
- ❖ Outstanding dealer bourses and opportunities to purchase shells for our collections
- ❖ Educational programs
- ❖ Beautiful banquets with delicious entrees
- ❖ And, last but not least, all the wonderful long time friendships



TENTATIVE SCHEDULE OF EVENTS

Tuesday, May 31 – Opening Ceremonies, COA Board Meeting, Programs, Silent Auctions, and Welcome Party

Wednesday, June 1 – Programs, Silent Auctions, and Oral Auction

Thursday, June 2 – Programs, Silent Auctions, and Banquet

Friday, June 3 – Club Rep Breakfast, Programs, Silent Auctions, Bourse

Saturday, June 4 - Bourse



COA GUEST RATE AT MOODY GARDENS

- ❖ \$179.00 per night plus tax
- ❖ Rates good for 2 days pre and/or post the convention
- ❖ Guest rooms consist of One King or Two Queens
- ❖ Rate is good for 1-4 guests per room



Shell show season in Florida is here (sorta)

January 8-9, 2022. 56th Annual Broward Shell Show, Pompano Bch., FL: Emma Lou Olson Civic Center. Contact Alice Pace <alicepace90@att.net> [cancelled January 5, 2022]

January 15-16, 2022. 41st Space Coast Seashell Festival/Show, Melbourne, FL (Astronaut Trail Shell Club): Eau Gallie Civic Center. Contact Alan Gettleman <lychee@cfl.rr.com>

February 11-12, 2022. Annual Sarasota Shell Show, Sarasota, FL: Porter Building at Roberts Arena. Contact Donna Cassin <dcassin9411@verizon.net>

February 25-27, 2022. 74th St. Petersburg Shell Show, Seminole, FL: Seminole Recreation Center. Contact John Jacobs <johncheryl@earthlink.net>

March 3-5, 2022. 85th Sanibel Shell Show, Sanibel, FL: Sanibel Community Center, 2173 Periwinkle Way, Sanibel Island, Florida 33597. Contact Joyce Matthys <joycematthys1@gmail.com>

March 10-12, 2022. 40th Marco Island Shell Show, Marco Island, FL: United Church of Marcco Island, 320 North Barfield. Contact Jae Kellogg <pjsaikw@gmail.com>

March 26-27, 2022. Gulf Coast Shell Show, Panama City Beach, FL: Lyndell Conference Center, 423 Lyndell Lane, Panama City Beach, FL 32407. Contact Jim Brunner <jili1043@comcast.net>

Shell Bandits

by William Edwards

On what has become known as Paul's annual minus tide sea shellers dream trip, five eager shellers arrived at Cedar Key. Now, many past participants of this trip will tell you, this trip is normally plagued by cold and dreary weather, not to mention the zero-dark thirty start time, which truly bothers my sunny weather



beachcomber persona. However, the size and number of shells available does make this trip truly exciting and worth what my father would call "minor inconveniences." Upon setting off to Cedar Key from St. Augustine we were blanketed in some of the thickest fog imaginable, and it stayed with us the entire trip (L). In fact, getting to the shell beds became quite a feat for the Captain Joey. He had to suss the destination on the NW shore of Atsena Otie Key, from memory and nautical instinct, as one couldn't see the island, or anything else for that matter, beyond a few dozen yards.

Once we made landfall and began to search the low tide point through dense fog that could still be cut with a knife, we found that the normal beds of oysters had disappeared, or so we thought. In actuality we found them a few hundred yards down the beach. It was along these oyster beds that we could see shadows moving quietly in the distance. We could see these silent shadows foraging through the mud. It was not until we got relatively close that one could make out their bandit like faces. Two raccoons were enjoying an early morning breakfast.

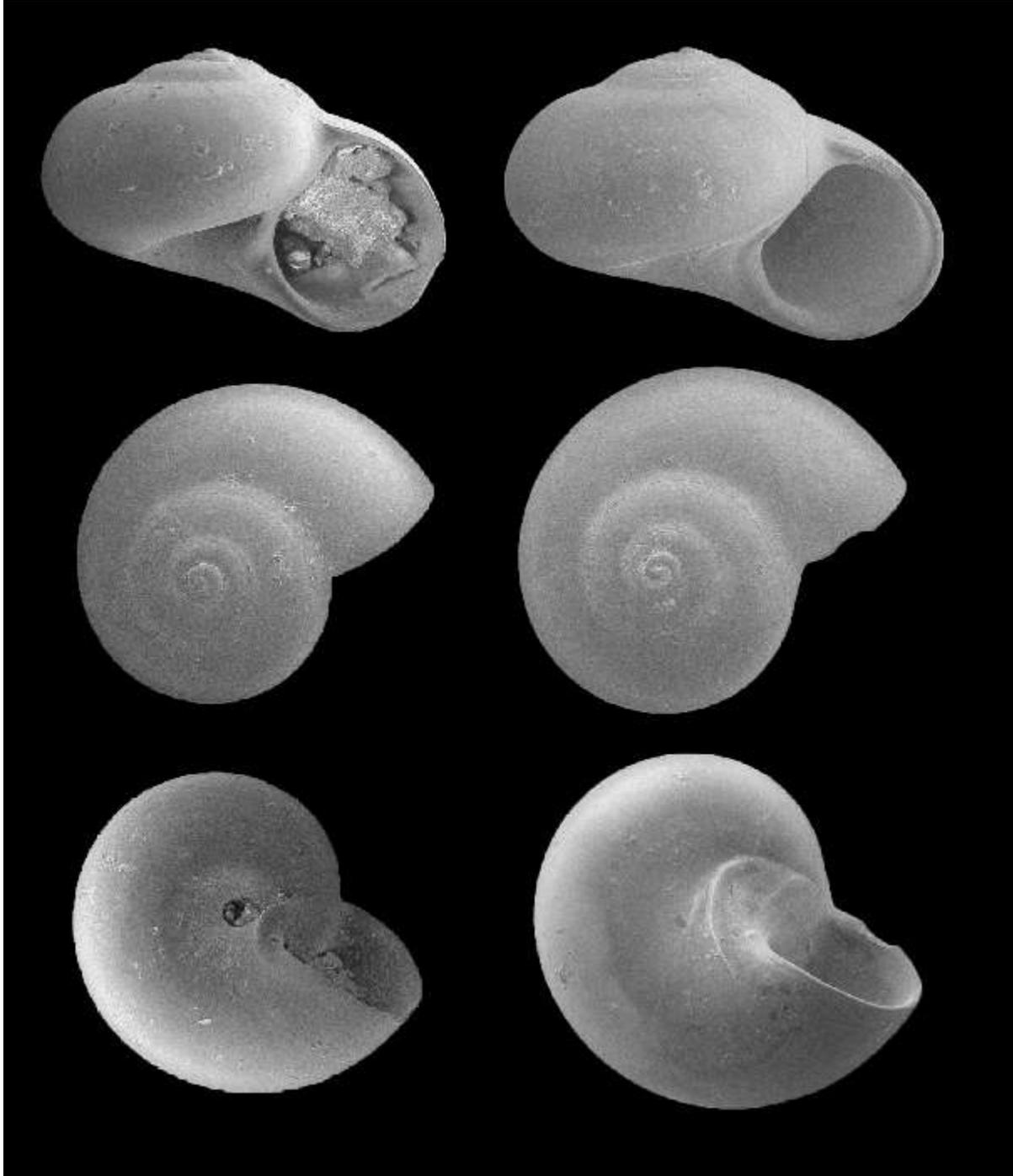


After being observed for a few brief minutes, they realized they had been caught in the act and skedaddled further into the fog bank. All that was left of this brief encounter was a perfectly cleaned out Lightning Whelk surrounded by tracks. The shell was perfectly intact and ready for my bucket. Our party was both amazed and astonished to be witness to such an event. It's a gentle reminder that we are not the only ones out collecting and for us bipeds to leave some of the Cedar Keys' renowned natural resources for the little guys. **Below** is the tell-tale evidence.

Photographs by the author.



Grunge micromollusks discovered over the last few months Part 3. Phipps Park beach
by Harry G. Lee and Carole Marshall¹



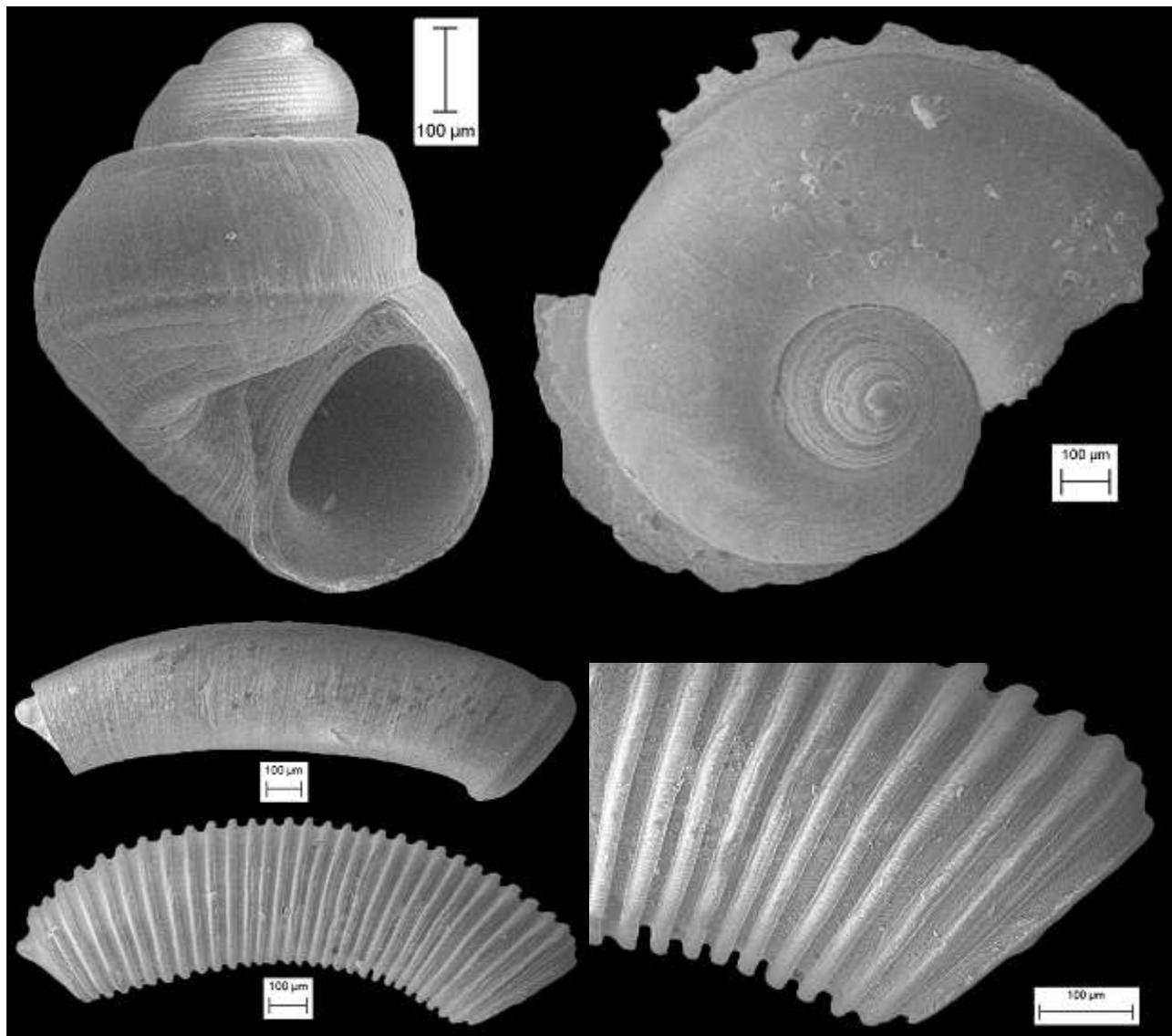
Two Phipps Park beach look-alike tornids under SEM scrutiny:

L column: *Teinostoma cocolitoris* Pilsbry & McGinty, 1945 1.35mm UF IZ 571263;

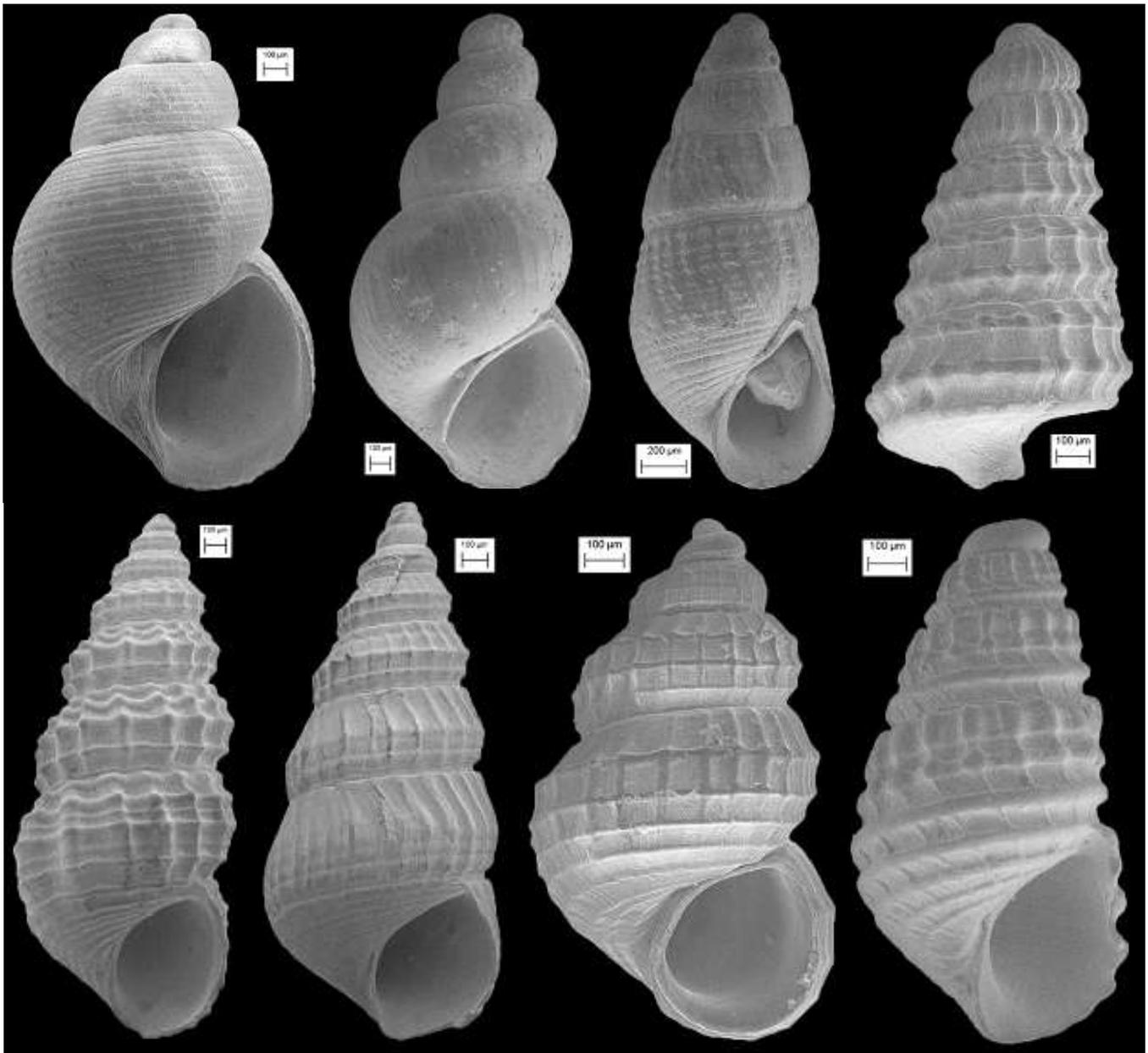
R column: *Teinostoma parvicallum* Pilsbry & McGinty, 1945 1.46mm UF IZ 571260.

¹ West Palm Beach, FL.

One of us (C.M.) wrote the other late last spring a few weeks after having extracted some promising material from sediment pumped onto the beach at Phipps Park, Palm Beach, FL. The new “sand” had been transported from the ocean floor about one mile directly offshore as part of a “beach renourishment” operation. Since the swag from six separate collections made over several weeks was excessive, an offer to share was made and enthusiastically accepted (H.G.L.). The hand-off of ~500mL of dried material, for all intents “sand,” went down at the mid-June COA Annual Convention in Melbourne, FL. Almost all this sample had been removed from the apertures of “dead” olive shells, which were conspicuous and abundant in the deposits, and the stuff was advertised as rich in micromollusks (< 5.50 mm). A week later, it took H.G.L. a few seconds to confirm the accuracy of the assessment. After the processing of this sample (plus a second, less high-graded one), over a hundred species had been culled and ID’ed. A sampler is presented here. Like the grunge shells featured in the last two *Shell-O-Gram* issues (Jupiter Sound & off Jupiter Inlet, both Rick Edwards!), some species were quite unexpected. All imaged shells are vouchered at the Florida Museum of Natural History (FLMNH; UF IZ nos.).



Clockwise from upper L: *Amphithalamus rauli* Rolán, 1991 0.70mm UF IZ 570505; *Atlanta inclinata* J.E. Gray, 1850 1.23mm juvenile UF IZ 571269 (1st FL record); high, low magnification (resp.) *Caecum regulare* Carpenter, 1858 1.51mm UF IZ 571262; *Caecum circumvolutum* Folin, 1867 1.61mm (1st FL record) UF IZ 570513.

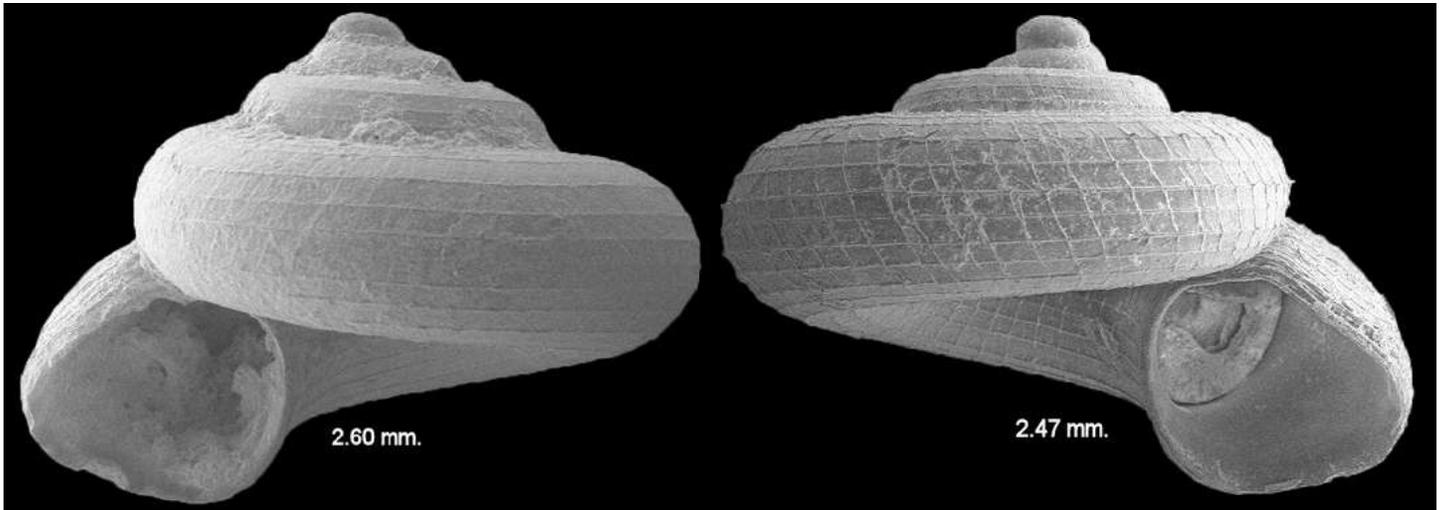


Clockwise from **upper L**: *Elachisina floridana* (Rehder, 1843) 2.05mm UF IZ 570506; *Fontigens symmetrica* Pilsbry in Olsson & Harbison, 1953 [*Talassia sandersoni* (A.E. Verrill, 1884) *fide* Tunnell *et al.*, 2010: 147 non Verrill] 2.39mm UF IZ 571261 [more on this species at the Jan. JSC meeting & the next *Shell-O-Gram*]; *Boonea jadis* (Olsson & McGinty, 1958) 2.16mm UF IZ 571268; *Retilaskeya bicolor* (C.B. Adams, 1845) 1.44mm juvenile UF IZ 571259; *Chrysallida bushiana* (Bartsch, 1909) 1.40mm UF IZ pending; *Alvania auberiana* (d'Orbigny, 1842) 1.37mm UF IZ 570503; *Finella dubia* (d'Orbigny, 1840) 2.08mm UF IZ 570509; *Finella adamsi* (Dall, 1889) 2.56mm UF IZ 570507.

Acknowledgements: The scanning electron micrographs (SEMs) were performed in collaboration with Dr. Ann Heatherington, Department of Geological Sciences, University of Florida, Gainesville. Bill Frank provided assistance in the editing of the SEMs. Roger Portell, Director of Invertebrate Paleontology, Micropaleontology, and Conservation Paleobiology Collections, FLMNH provided lab amenities and his customary sage counsel.

Reversal of coil (sinistrality) in terrestrial Prosobranchia

by Harry G. Lee and John Slapcinsky¹



Sinistral (L) and dextral (R) specimens of an unidentified species of *Cyathopoma* at the Florida Museum of Natural History (FLMNH) UF IZ 430849 collected by Dr. Ken Emberton on October 11, 2007 near a dry mudflat on the side of a long tsingy [deciduous forest on limestone] hill, Anjajavy, NW Madagascar -15.026 47.2712.

In stark contrast to the land pulmonates, **sinistrality** in terrestrial prosobranchs (operculates) is a rare phenomenon. It is a **normal** occurrence in some or all of the species in about six lineages of the cyclophoroidean family Diplommatinidae L. Pfeiffer, 1858, and one species, *Palaina taeniolata hyalina* Quadras and Möllendorff, 1894 from Guam [R] has somewhat **indifferent** (enantiomeric or amphidromine) chirality. In the Lee Collection [most of which now in the FLMNH], there are 240 dextral and 4617 sinistral specimens of this tiny 1/10 inch oddity (just under 5% dextrals).



On the next page (9) is an account of known **mutant** (exceptional; << 1%) reversal of coil among the operculate land-dwelling snails by species in systematic context. Most species were first reported by Dautzenberg (1914); the bibliography includes all other sources used. The taxonomy and nomenclature have been updated H.G.L. Beside the cyclophoroideans, we treat the other large group of land-dwelling prosobranchs, the annulariid-pomatiid stock, which arose independently and comprises the terrestrial radiation of the Littorinoidea. The land snails of this superfamily also seem even more disinclined to reversal of coil. In fact, until 7 October, 2020, when Dr. Gary Rosenberg recently found two sinistral *Adamsiella irrorata* in Averham Park, St. Ann, Jamaica (ANSP 452772 <<http://www.jaxshells.org/irror.htm>>, only a single instance of mutant sinistrality in all the Annulariidae Henderson and Bartsch, 1920 was known. This is a striking fact considering the family numbers about 700 species (Jacobson and Boss, 1971; Watters, 2006). In the other littorinoidean landsnail group, the Pomatiidae Newton, 1891, there is only one species known to exhibit reverse chirality (Dautzenberg, 1914).

¹ Collections Manager, Department of Invertebrate Zoology, Florida Museum of Natural History (FLMNH).

In the tabulation below there is a score of operculate landsnail species documented as occurring in the mutant sinistral condition, the majority mostly known from a single specimen. They are quite unevenly spread over the taxonomic spectrum: half of them belong to the cyclophoroid family Diplommatinidae (the only lineage in which **normal** sinistrality occurs), and only three or fewer species are known in five other families.

CYCLOPHOROIDEA

Cyclophoridae:

1. *Cyathostoma* species [figured above]
2. *Ditropis planorbis* (Blanford, 1869) [Type *Ditropis* Blanford, 1869]
3. *Neocyclotus prominulus* (d'Orbigny, 1835)

Aciculidae:

4. *Acicula letourneuxi* (Bourguignat, 1864)
5. *A. lineata lineata* (Draparnaud, 1801)
6. *A. lineolata banki* Boeters, Gittenberger and Subai, 1989 [R]

Diplommatinidae:

7. *Cochlostoma apricum* (Mousson, 1847)
8. *C. crassilabrum* (Dupuy, 1851)
9. *C. henricae henricae* (Strobel, 1851)
10. *C. hidalgoi* (Crosse, 1864)
11. *C. obscurum* (Draparnaud, 1801)
12. *C. patulum* (Draparnaud, 1801)
13. *C. septemspirale* (Razoumowsky, 1789)
14. *Diplommatina (Sinica) boettgeri* Möllendorff, 1887
15. *D. (Sinica) kiiensis* Pilsbry, 1902
16. *Nicida catathymia* (Sykes, 1898)

Pupinidae.

17. *Schistoloma (S.) alta sibuyanica* Bartsch, 1915 Lee Coll. [R]

LITTORINOIDEA:

Pomatiidae:

18. *Pomatias elegans* (Müller, 1774)

Annulariidae:

19. *Adamsiella irrorata* Gloyne, 1875
20. *Cobolostylus jayanus* (C. B. Adams, 1849)

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February Meeting

Pending the absence of any untoward circumstances, the JSC will convene on the fourth Thursday, Feb. 24, 2022, at the usual place and time. Harry Lee will present the Shell-of-the-Month, a left-handed specimen of *Bulimulus guadalupensis* (Bruguière, 1789) [normal shells on R]. It was collected by the well-known land snail authority and author, Adrián Gonzáles-Guillén on Christmas Day, 2021.

Paul Jones will give the main program, in which he'll recount his days as a "glamper" with Shell Camp Florida. You'll be amazed at the quality, quantity, and variety of marine shells one can find given the right connections. Two of Paul's keepers from his most recent glamping expedition on southwest Florida shores are shown **below**.





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