



# SHELL-O-GRAM

Official Publication of the  
**JACKSONVILLE SHELL CLUB, INC.**

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Jacksonville Shell Club, Inc.  
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Although meetings are currently suspended until further notice, 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 and friends 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 demonstrated an interest in malacological research. These pdf's (ISSN 2472-2782) have also been 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.  
If you're not paid up, please send in your dues: Individual \$15.00; Family  
\$20.00, to  
Harry G. Lee, Treasurer, JSC  
4132 Ortega Forest Drive

## 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) 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 meeting room is still closed to the public due to COVID-19 restrictions. Should a meeting be permissible on October 28, the active membership will be notified by email. Needless to say, the editorial staff is looking forward to such an announcement in the near term. Meanwhile, we ask the active JSC members, and all our readers, to remain cautious and comply with CDC recommendations.



### CONCHOLOGISTS OF AMERICA 50<sup>th</sup> Anniversary

- ❖ 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



### 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



### TENTATIVE SCHEDULE OF EVENTS

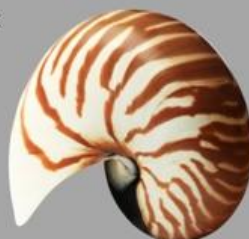
**Tuesday, May 31** – Opening Ceremonies, COA Board Meeting, Programs, Silent Auctions, and Welcome Party

**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



## Designation of Officers October 1, 2021 to Sept 30, 2022

These are unusual and trying times. As the club’s annual cycle is approaches its terminus, the election of officers is customarily a major item on the business agenda. In the realization that we’ve not convened in person for 18 months, the Executive Committee (President Paul Jones, VP Rick Edwards, Secretary Roz Edwards, Treasurer, Harry Lee), under the plenary powers afforded them under the JSC Constitution and Bylaws, has produced the following slate for the next cycle:

President	Rick Edwards
Vice-President	[vacant]
Secretary-Treasurer	Harry Lee

The only club operations that have continued during the COVID-19 shutdown are the field trips, the treasury, and the *Shell-O-Gram*. As expressed on page 2, our hope and expectation is that these officers will have more than sinecure roles in the months to come. Perhaps this is an opportune moment for the **treasurer** to summarize activities over the course of the shutdown through August 31, 2021:

Ending balances:

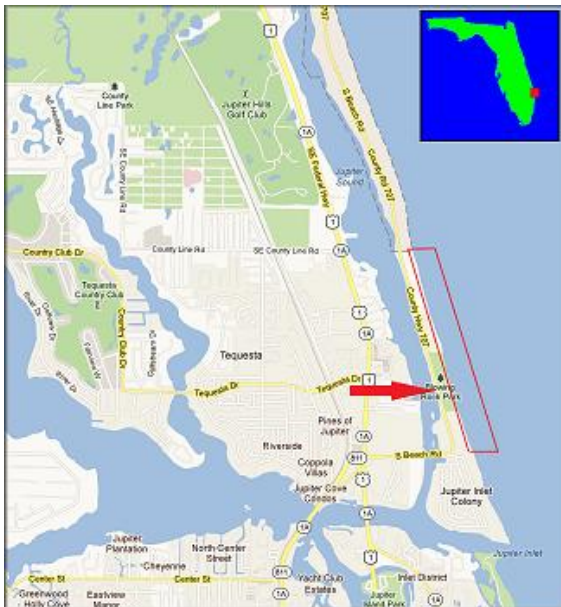
Ameris Bank checking account .... 3270	\$6353.38
Ameris Bank CD ....7143	\$5256.30

Starting balances (Feb. 28, 2019):

Ameris Bank checking account .... 3270	\$8262.69
Ameris Bank CD ....7143	\$5224.97

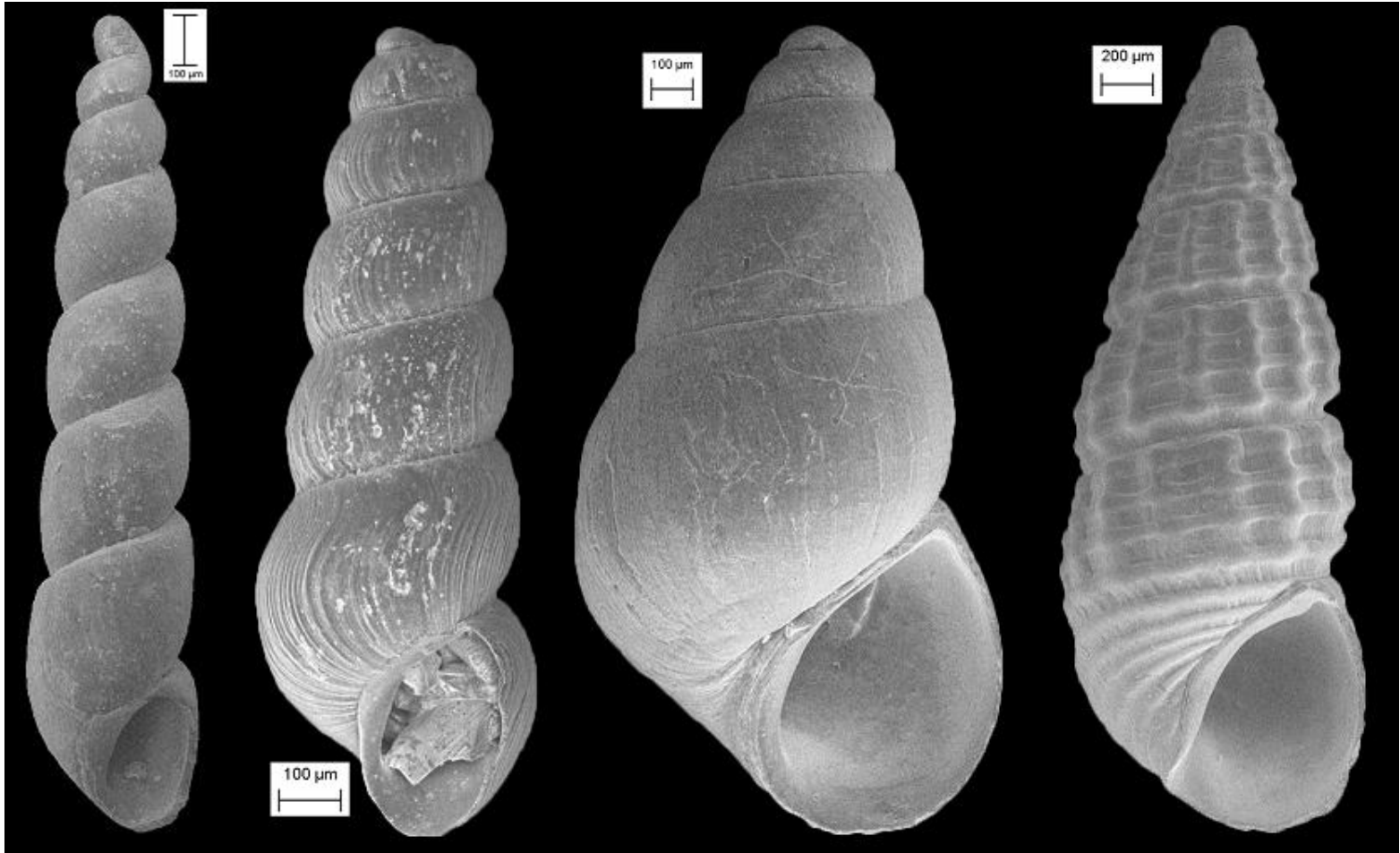
Major expenditures were \$2000.00 in donations to the Bailey-Matthews Shell Museum, State and Federal fees/taxes, and *Shell-O-Gram* operations. Revenues inured from membership dues and sales of *Marine Shells of Northeast Florida*, a JSC publication. Presently \$110.00 (dues) is awaiting deposit into the checking account.

### Grunge micromollusks discovered over the last few months Part 1. Jupiter Sound

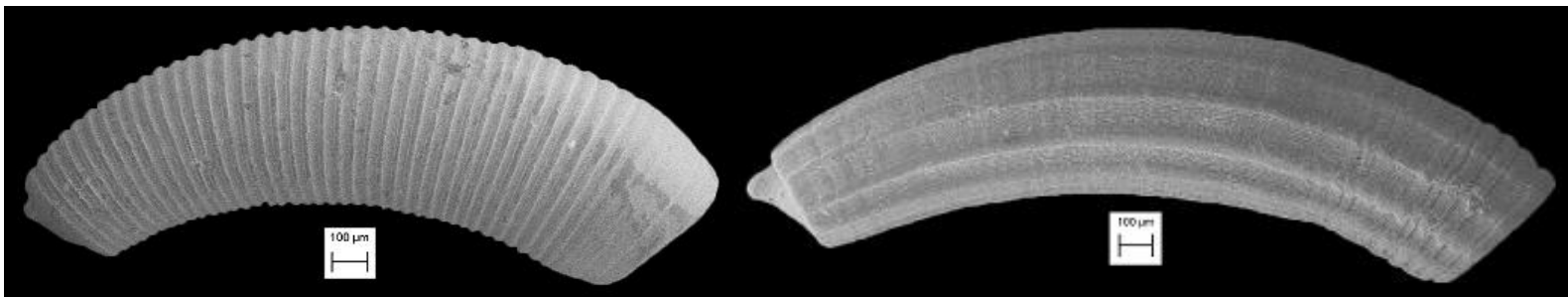


The club’s field trip to Palm Beach Co. and environs led by Paul Jones in late April allowed Rick Edwards to sample the beach drift along the mangrove-rich shoreline of Coral Cove Park (**L; arrow**). These backwaters are called Jupiter Sound, but the watercourse in continuous with the Indian River, so some geographers call it by the latter name. Being close to the sea, these waters are approach marine salinity, but they vary with the tide, and brackish and freshwater mollusk shells were found once the grunge was sorted by me. The habitat and collecting method contrast sharply with that employed by Don Swenson, whose work along the ocean beach (**L; parallelogram**) of this enclave is detailed by us at <<https://www.jaxshells.org/coralcove.htm>>. In fact, the specifics of these two inventories will likely be explored in an upcoming issue of the *Shell-O-Gram*.

Because I found the material so promising after a dedicated search through the stereomicroscope, Rick kindly resampled the spot on July 4! Here follows some of the more interesting and spectacular micromollusks culled from these samples and some remarks on the overall nature of this faunule.

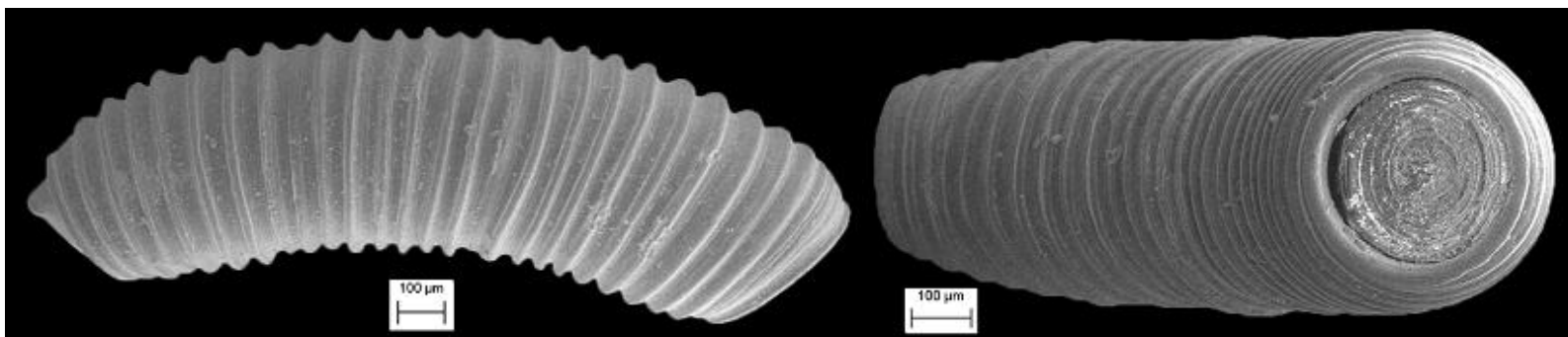


L to R: *Ebala bermudensis* (Dall & Bartsch, 1911) 1.63mm [new to E FL; UF IZ 570946]; *Henrya henryi* Bartsch, 1947 1.31mm [new to FL]; *Barleeia tinctoria* Guppy, 1895 1.98mm; *Bittium varium* (L. Pfeiffer, 1840) 3.15mm.

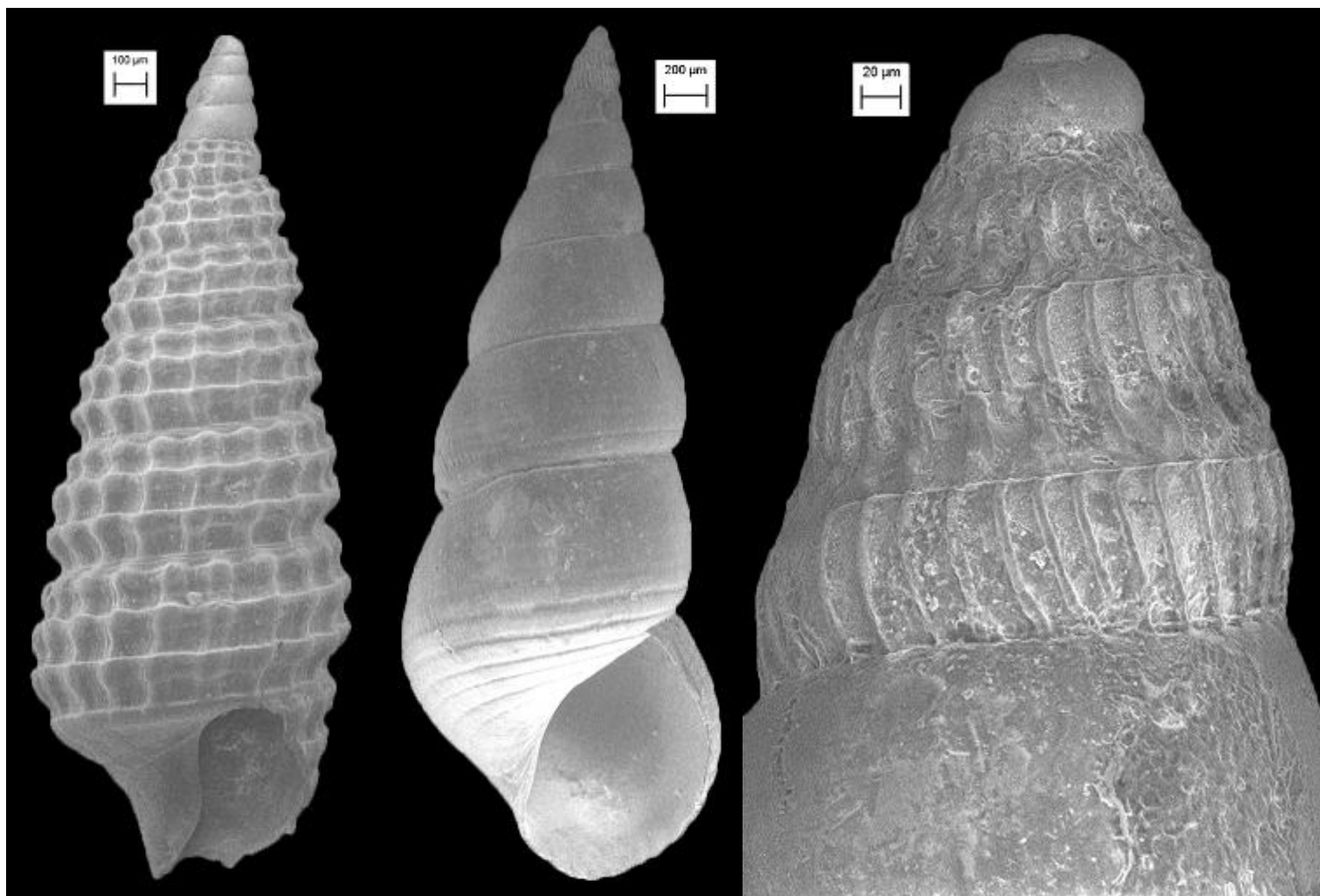


L to R: *Caecum bipartitum* de Folin, 1870 1.98mm; *C. imbricatum* Carpenter, 1858 2.51mm.

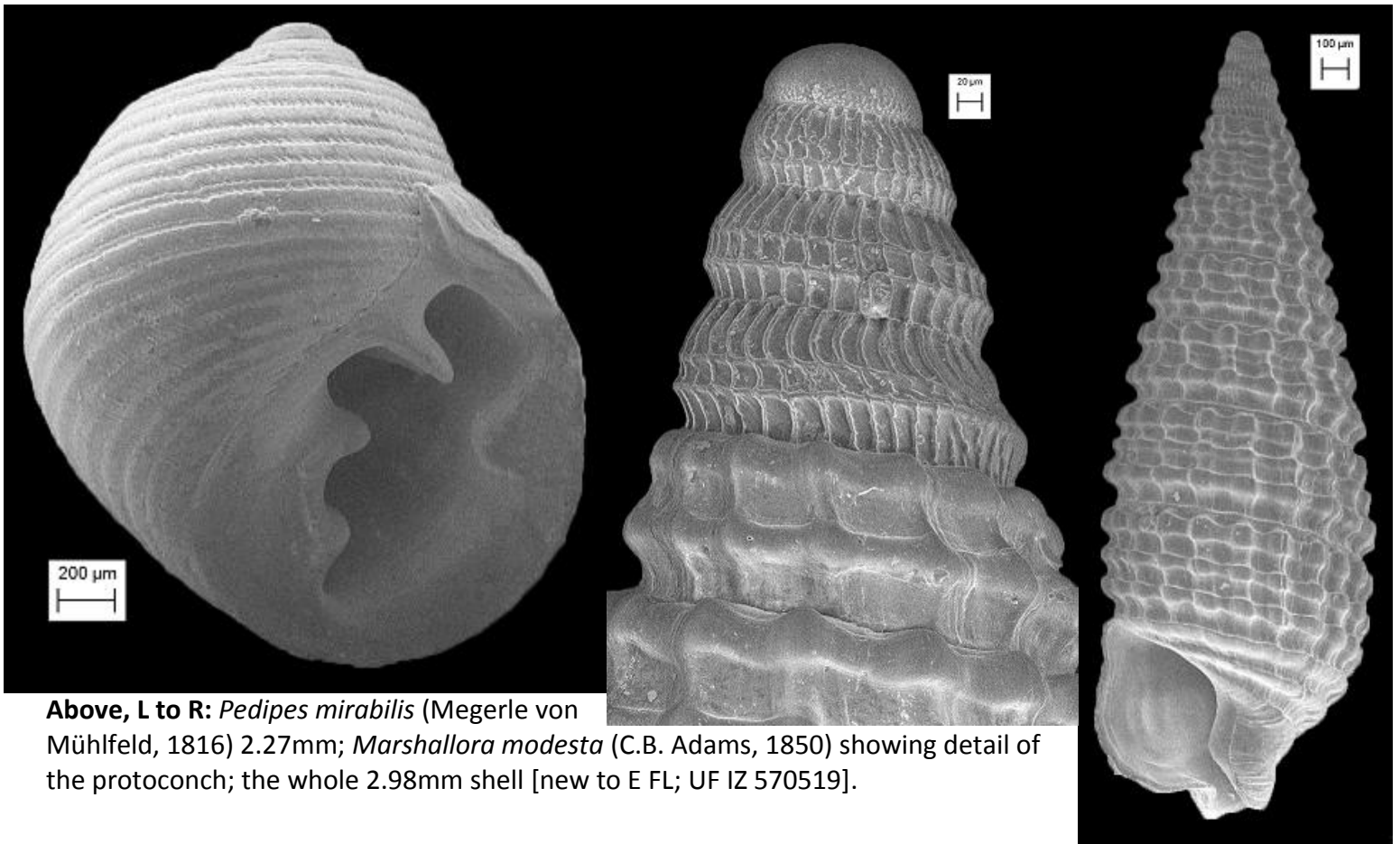




**Above, L to R:** *Caecum pulchellum* Stimpson, 1851 1.76mm; another specimen showing constricted aperture and operculum.

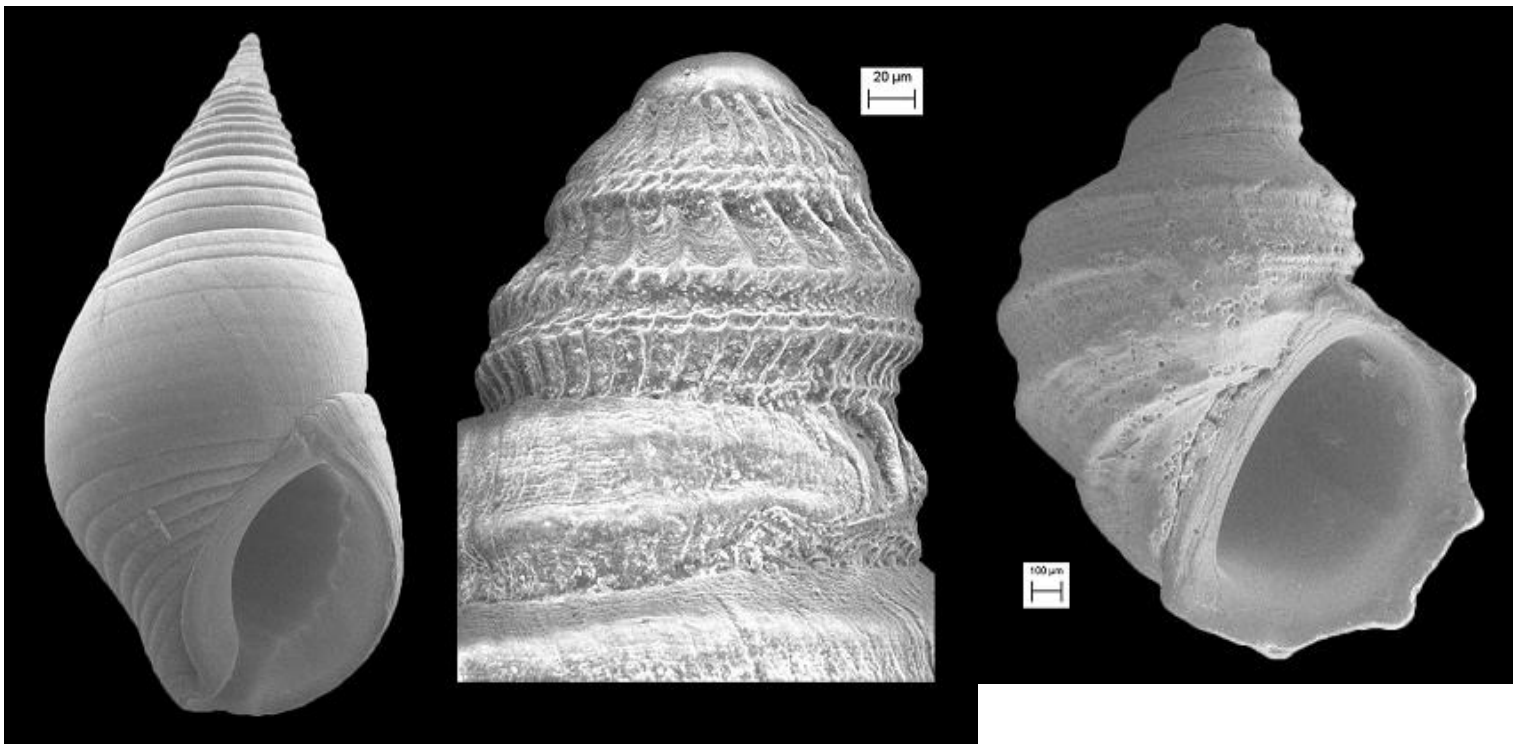


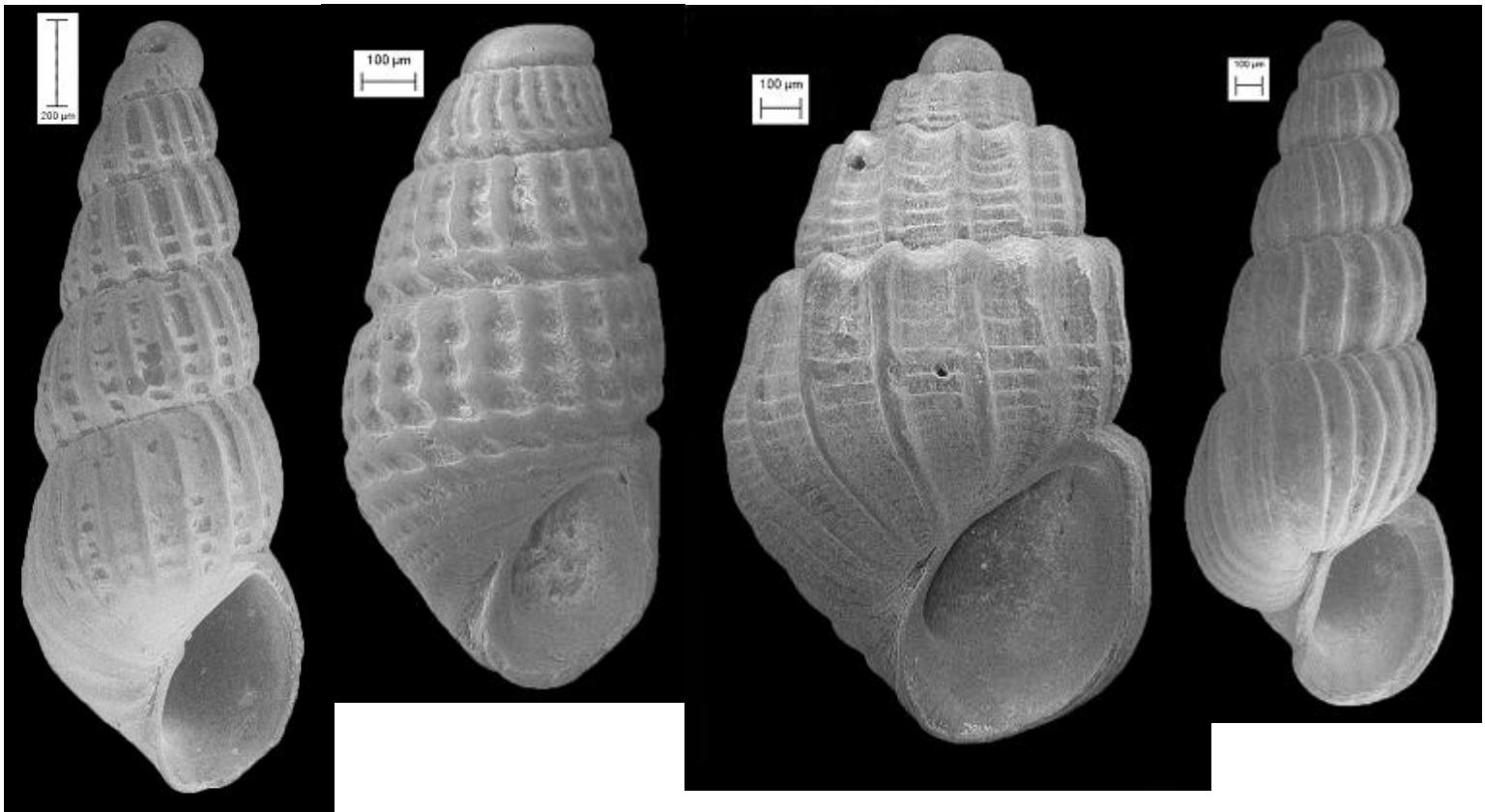
**Above, L to R:** *Cerithiopsis dominguezii* Rolán & Espinosa, 1995 2.66mm [new to FL]; *Alaba incerta* (d'Orbigny, 1841) 4.02mm; another specimen (2.25mm) showing detail of the protoconch [UF IZ 570529].



**Above, L to R:** *Pedipes mirabilis* (Megerle von Mühlfeld, 1816) 2.27mm; *Marshallora modesta* (C.B. Adams, 1850) showing detail of the protoconch; the whole 2.98mm shell [new to E FL; UF IZ 570519].

**Below, L to R:** *Hinea lineata* (da Costa, 1778) 4.20mm; another specimen (1.55mm) showing detail of the protoconch [UF IZ 570529]; *Fossarus orbigny* P. Fischer, 1864 2.10mm. Both species in the Planaxidae.

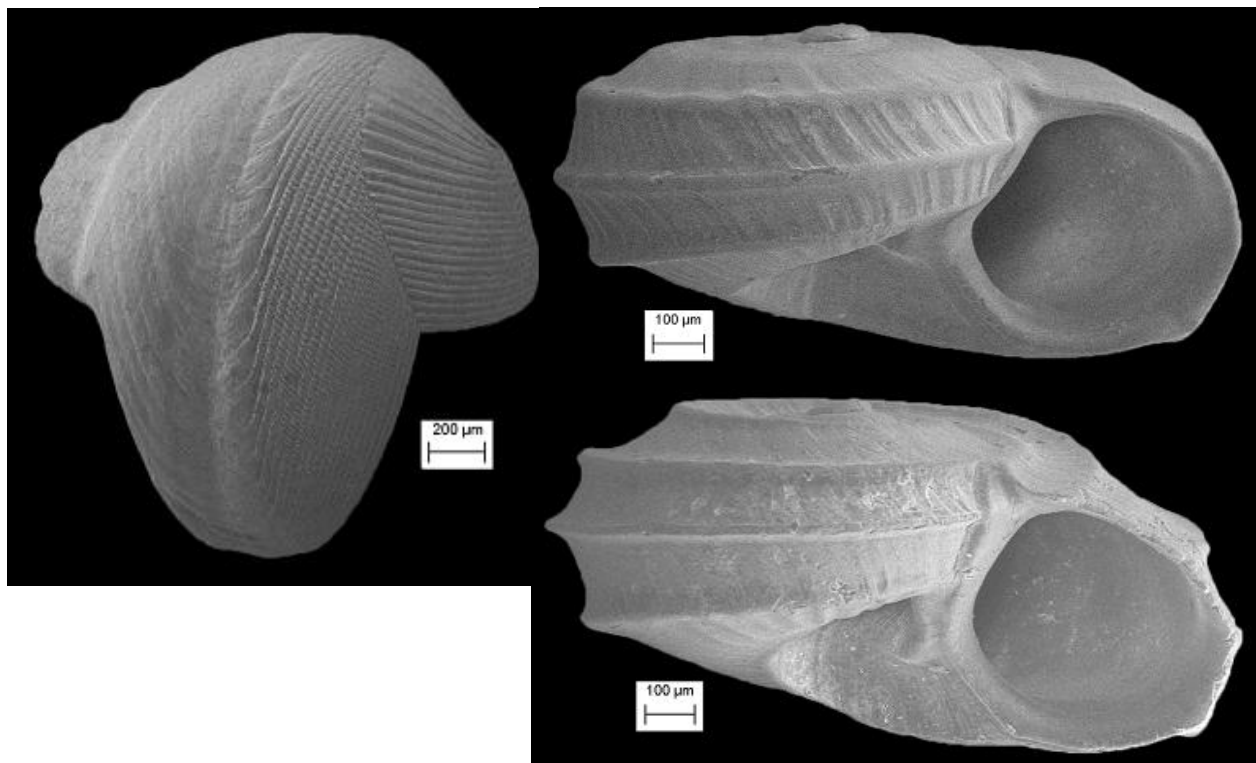


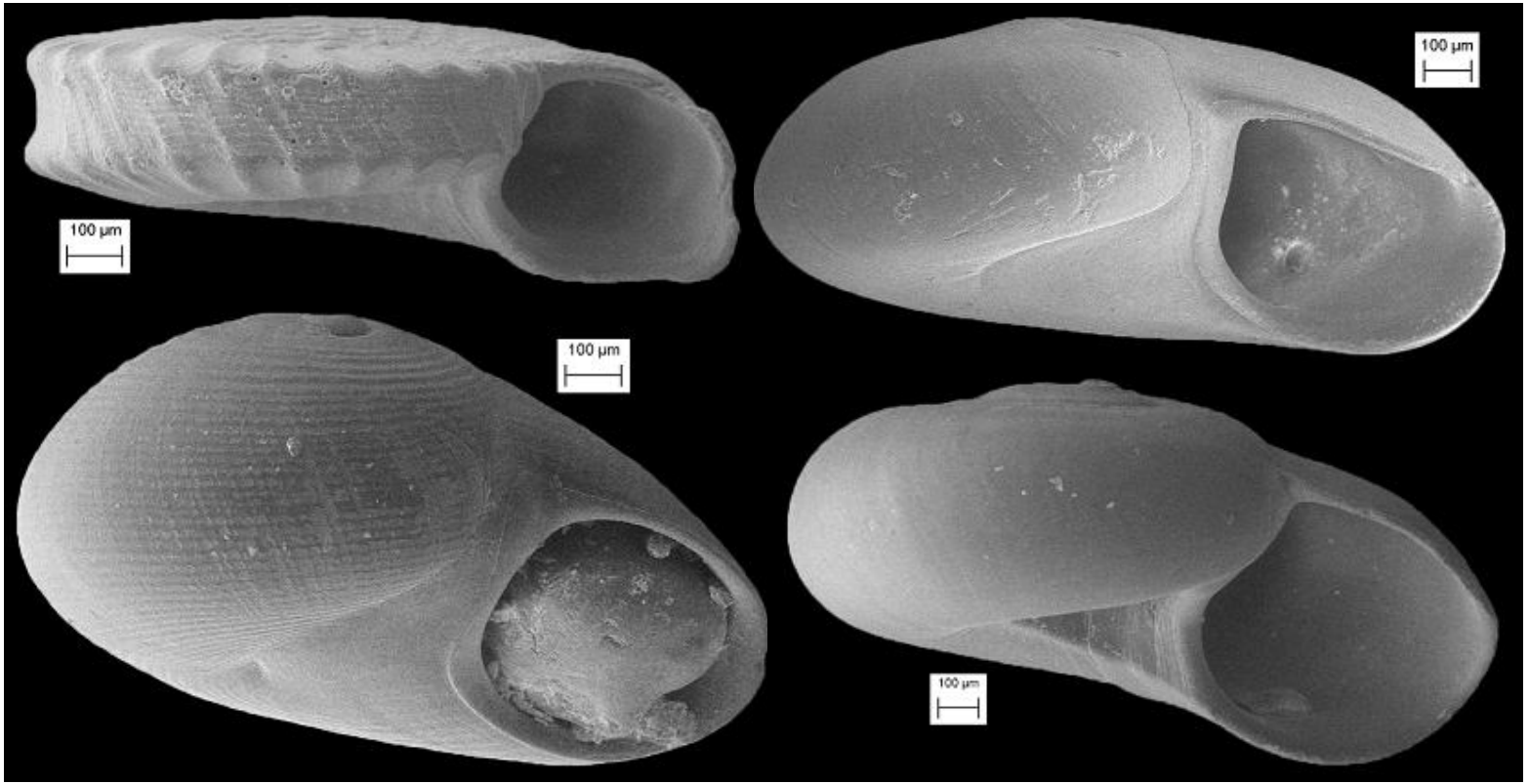


**Above, L to R:** *Besla arnoldoi* (De Jong & Coomans, 1988) [new combination] 1.80mm [new to E FL]; *Fargoa dianthophila* (H. Wells & M. Wells, 1961) 1.25mm; '*Mumiola*' *gradatula* (Mørch, 1876) 1.79mm [perhaps better placed in *Ivara*; new to FL; UF IZ 570518]; *Trabecula laxa* (Dall & Bartsch, 1909) 2.69mm [new to FL; UF IZ 570953].

**Right, L to R:**

A shipworm,  
*Bankia gouldi*  
(Bartsch, 1908)  
1.88mm [UF IZ  
570949];  
*Cyclostremiscus*  
species: (above)  
*C. jeannae* Pilsbry  
& McGinty  
(above), 1946  
1.34mm; *C.*  
*supressus* (Dall,  
1889) 1.43mm.  
(below)





**Above, L to R, top to bottom:** *Pleuromalaxis balesi* (Pilsbry & McGinty, 1945) 1.31mm; *Teinostoma obtectum* Pilsbry & McGinty, 1945 1.61mm [UF IZ 570944]; *T. semistriatum* (d'Orbigny, 1942) 1.37mm [UF IZ 570535]; *Vitrinella helicoidea* C.B. Adams, 1850 1.78mm.

We're not finished the species count, but it will be close to 200 - somewhat over half that of Don. It's not exactly a surprise, but over 70% of the taxa culled from the grunge will be absent from his beach list. Furthermore, there are a fair number of species in this collection that constitute extensions of the known ranges - several more than the six indicated in the captions in the compendium above. All the imaged shells will be vouchered at the Department of Invertebrate Zoology, Florida Museum of Natural History (FLMNH), University of Florida, Gainesville. For logistical reasons not all have been catalogued, but those thus processed are indicated in the captions above.

For nine years our attention has been focused on the fossil micromollusks of the Pinecrest beds, separated by 3 million years and 150 miles. This investigation has lent special insight into the changes (and absence thereof) between this grunge micromollusk fauna and that of the Pinecrest.

Note that this is installment no. 1; there are at least two other such recently-collected micromollusk hotspots in Palm Beach Co., FL to be reported in future *Shell-O-Gram* issues.

**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 major assistance in the editing of the SEMs. Roger Portell, Collections Director, Invertebrate Paleontology, FLMNH.





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