



# SHELL-O-GRAM

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

**July-August, 2008**

**Volume 49-4**

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## Programs

The July 24, 2008 meeting will convene, as usual, at 7:00 PM at the Southwest Branch Public Library. Brian Marshall will present *Anatina anatina* Spengler 1802), the Smooth Duckclam, as the shell-of-the-month. He is one of the privileged few to collect this elusive species alive. Harry Lee will report on the annual convention of the Conchologists of America (COA) held in San Antonio, TX.

The August 28, 2008 meeting will be at the customary time and place will feature Charlotte Thorpe, who has lots of brand new images and shelling stories from the Pacific shores of Panama. Harry Lee will present the genus *Daedalochila*, a group of landsnails whose metropolis is the Florida peninsula as the shells-of-the-month.

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## Jacksonville Shell Club Academic Award by Harry G. Lee

The *Ad Hoc* Scholarship Committee (Charlotte Thorpe and Harry Lee) has selected Christy C. Viaggi of the University of North Carolina Wilmington as the 2008 winner of the Jacksonville Shell Club (JSC) Award. Christy was selected from about 30 researchers who sent proposals to the Conchologists of America (COA) Academic Grants Program. Drs. Henry Chaney, Gary Rosenberg, and José Leal of the COA selected 12 of these, and the JSC committee, basing their decision on several criteria including the application of collections- and fieldwork-based research, selected her from those dozen winners.

Christy is studying latitudinal variation in drilling predation of eastern South American mollusks and focusing on spatial implications for patterns of evolution in the fossil record. She is in pursuit of a PhD and is studying under Dr. Patricia H. Kelley, a world-renowned invertebrate paleontologist.

The COA provided a "match" of \$500.00 to the JSC's \$1,000.00 to comprise the award.

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**Board/Shell Show Committee Members meeting  
Sunday, July 20 - 2PM at Charlotte's. Everyone is urged to attend.**

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This club meets each month at the Southeast Branch of the Jacksonville Public Library, 10599 Deerwood Park Blvd., Jacksonville, Florida. Please address any correspondence to the club's address above.

The *Shell-O-Gram* is issued bimonthly and mailed to all regular members. Annual membership dues are \$15.00 individual and \$20.00 family (domestic) and \$25.00 (foreign). Lifetime membership is available. Please send checks for dues to the above address and made out to the Jacksonville Shell Club.

We encourage members to submit articles for this publication. Closing date for article submission is two weeks prior to the first of each month of publication. Articles may be republished provided full credit is given the author and this newsletter and one copy of the complete publication in which the article appears is sent to the above address.

### President's Corner

Hello Everybody!

Thank you all again for all the work you have done during this year at the Shell Show and our other undertakings.

I hope you have a safe and happy summer.

Please continue to support the good turnouts for our meetings. See you soon.

Best,  
 Billie

### **Beach Shelling and Learning about our local Beaches**

Rick Edwards will be conducting shell walks for the GTMNERR (Guana Environmental Education Center) on Aug 30, Sept 13, Oct 11 (tentative), and Nov 16. A short (30 minute) presentation on local beach combing is followed by a walk on the beach to search for shells. If you are new to the area or are a novice collector, you may wish to consider one these guided beach walks. For information on time and meeting place contact the Environmental Center r at 904-823-4500. A \$3.00 parking fee does apply to park in the beach parking lot.

### **Welcome New Members**

Fred & Arline Porter  
 Maria & Joseph Bannister  
 Shannon & Daniel Webster

### **Reminder: Club membership Dues are Due Now**

**For most members dues are due on September 1<sup>st</sup> of each year.**

**If you joined on a different date, you can find that date by looking at your *Shell-O-Gram* label. Your due date is shown by month and year on the label.**

**Dues cost: Individual \$15.00.....Family \$20.00**

## Shell Show Awards

### Scientific

- A-1-1 Beautiful – 1<sup>st</sup> Christopher Stradler
- A-1-2 Worldwide – 1<sup>st</sup> Gene Everson
- A-1-3 One Area – 1<sup>st</sup> Brian Marshall
- A-1-4 Self-collected S.E. US & Caribbean – 1<sup>st</sup> Peggy Williams 2<sup>nd</sup> Ed Shuller & Jeannette Tysor
- A-1-5 Self-collected Worldwide – 1<sup>st</sup> Vicky Wall 2<sup>nd</sup> Richard Edwards
- A-1-6 One Major Family – 1<sup>st</sup> Jeff & Patty Ward
- A-1-7 One Minor Family - 1<sup>st</sup> Vicky Wall 1<sup>st</sup> Gene Everson 2<sup>nd</sup> Harry Berryman
- A-1-9 One Single Specimen – 1<sup>st</sup> Gene Everson 2<sup>nd</sup> Jeannette Tysor
- A-1-10 Educational – 1<sup>st</sup> Vicky Wall
- A-1-15 Related Specialty – 1<sup>st</sup> Richard Edwards 2<sup>nd</sup> Phyllis Gray
- A-1-17a Student – 1<sup>st</sup> Anton Heath 1<sup>st</sup> Brooke Kyle
- A-2 Non-Marine Mollusks - 1<sup>st</sup> Vicky Wall 2<sup>nd</sup> Jeff and Patty Ward
- A-3 Marine Fossils – 1<sup>st</sup> Ann Buddenhagen

“SPECIAL AWARDS”

- duPont Trophy** - Peggy Williams
- COA Award** - Gene Everson
- R. Tucker Abbott Memorial Award** - Jeff & Patty Ward
- William Clench Award** - Vicky Wall
- Shell of the Show** - Gene Everson
- Self-collected Shell of the Show** - Gene Everson
- Ten Feet and Under** - Anton Heath
- Best Northeast Florida Exhibit** - Brian Marshall
- Judges Special Award** - Gene Everson

### Arts and Crafts

- B-1-1 Pictures - 1st Nancy Langley
- B-1-2 Flower Arrangements - 1st Nancy Langley and Shannon Webster
- B-1-3 Christmas Related Items - 1st Nancy Langley
- B-1-4 Mirrors - 1st Mary Robertso 2nd Andy Hutchison
- B-1-5 Jewelry and Personal Accessories - 1st Mary Robertson 1st Barbara Cathey
- B-1-6 Paintings and Drawings of Shells - No Entry
- B-1-7 Photography - 1st - Peggy Williams
- B-1-8 Novelties - 1st - Shannon Webster 2nd - Laura Rowley
- B-1-9 Needlework - No Entry
- B-1-10 Wreaths and Wall Hangings - 1st - Mary Robertson
- B-1-11 Home Decor - 1st - Mary Robertson
- B-1-12 Sailor's Valentines - 1st - Shannon Webster 1st - Judy Blocker 2nd - Shannon Webster
- B-1-13 Beginner - 1st - Shannon Webster 1st - Whitney Newma 2nd - Shannon Webster
- B-1-14 Miscellaneous - 1st - Ann Buddenhagen 2nd - Whitney Newman
- B-1-15 Student - Brooke Kyle (8 yrs. old)
- B-2-1 Miscellaneous - 1st - Whitney Newman

“SPECIAL AWARDS”

- HELEN MURCHISON MEMORIAL TROPHY** - MARY ROBERTSON
- GERTRUDE MOLLER AWARD** - ANN BUDDENHAGEN
- MOST CREATIVE** - WHITNEY NEWMAN
- ROSETTES** - “JUDGES SPECIAL AWARDS” - ANN BUDDENHAGEN (Both Judges)

## A dirty job, but one worth doing - Florida Caverns redux

by Harry G. Lee

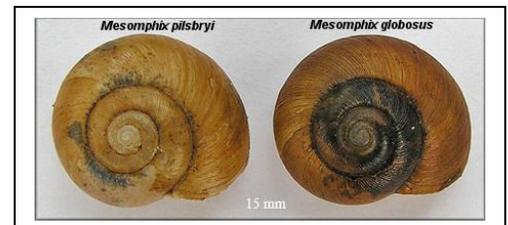
Near the end of last year I reviewed the land snail collections made on the Jacksonville and Gulf Coast Shell Club joint field trip to the vicinity of the Florida Caverns State Park, Marianna, Jackson Co., Florida (10/13/90) plus collections (including litter samples) made by Henry McCullagh from the same area on 2/3/89 and 10/30/07 and posted them on the website. My interest was piqued. Despite the fact that Hubricht (1985) recorded a robust 50 native land snail species from that county, no less than eight of the cumulative 30 such species we found were absent from his account. Of perhaps more interest was the fact that nine of those 30 were not among the 70 found in northeast Florida, where “saturation” collecting sustained over three decades has produced as complete an inventory as one could ask for.

I think any dedicated landsnailer would sense a compulsion to do a little more systematic collecting in that provident area, which, by Jacksonville molluscan standards has every right to be called “exotic” due to the presence of those nine unfamiliar species, which have affinities with the western and northern faunas. Of particular note were three species found in the soil sample taken last October (*Vertigo gouldii*, *Helicodiscus shimeki*, and *Glyphyalinia lewisiana*), each of which represented a considerable extension of known range. Accordingly, I made plans for an expedition in January, but a succession of meteorological and other logistic mishaps forced several postponements. Finally at 9:00 AM on April 12 I met up with Henry in the vicinity of the caverns, a little north of Marianna, FL. Despite a light to moderate drizzle, I was able to get six samples of leaf litter, some of which obviously included the “bones” of snails. I made no special attempt to collect large snails as I felt these had been adequately sampled in past campaigns.

It took many hours of processing, culling, identifying (a work in progress as the reader will see), curating and listing the 1284 specimens and includes one *Patera perigrapta* found by Henry. A tabulation follows.

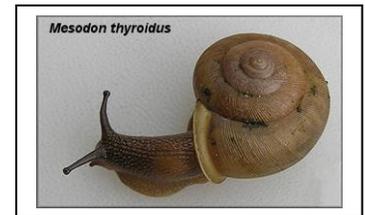
The thirty-six (36) species of land snails collected on 12 April, 2008 appear in bold [no. specimens]. Those in **bold and underlined** (9) represent additions to the 30 (actually 27 after adjustments; see below) in **bold**, which were previously recorded:

- [12] *Helicina (Olygyra) orbiculata* (Say, 1818) Globular Drop
- [283] *Carychium mexicanum* Pilsbry, 1891 Southern Thorn
- [68] *Gastrocopta contracta* (Say, 1822) Bottleneck Snaggletooth
- [3] ***Gastrocopta corticaria* (Say, 1817) Bark Snaggletooth**
- [27] *Gastrocopta pentodon* (Say, 1821) Comb Snaggletooth
- [121] *Pupisoma dioscoricola* (C. B. Adams, 1845) Yam Babybody
- [47] *Pupisoma mcneilli* (Clapp, 1918) Gulf Babybody
- Vertigo gouldii* (A. Binney, 1843) Variable Vertigo
- [43] *Vertigo milium* (Gould, 1840) Blade Vertigo
- [1] ***Vertigo oralis* Sterki, 1898 Palmetto Vertigo**
- [3] *Vertigo oscariana* Sterki, 1890 Capital Vertigo
- [11] *Strobilops aeneus* Pilsbry, 1926 Bronze Pinecone
- [5] ***Strobilops texasianus* Pilsbry & Ferriss, 1906 Southern Pinecone**
- [2] *Euglandina rosea* (Férussac, 1821) Rosy Wolfsnail
- [21] *Haplotrema concavum* (Say, 1821) Gray-foot Lancetooth
- [92] *Punctum minutissimum* (Lea, 1841) Small Spot
- Helicodiscus notius notius* Hubricht, 1962 Tight Coil
- Helicodiscus shimeki* Hubricht, 1962 Temperate Coil
- [54] *Helicodiscus* cf. *shimeki* Hubricht, 1962 Temperate Coil
- [23] *Lucilla* cf. *singleyana* (Pilsbry, 1889) cf. Smooth Coil
- [9] *Anguispira strongylodes* (Pfeiffer, 1854) Southeastern Tigersnail
- [7] *Discus patulus* (Deshayes, 1830) Domed Disc
- Euconulus chersinus* (Say, 1821) Wild Hive
- [61] *Euconulus dentatus* (Sterki, 1893) Toothed Hive\*\*
- [24] ***Euconulus trochulus* (Reinhardt, 1883) Silk Hive**\*\*



*Guppya gundlachi* (Pfeiffer, 1840) Glossy Granule

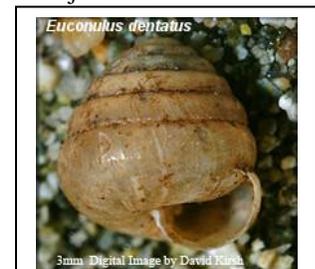
- [70] *Guppya sterkii* (Dall, 1888) Sterki's Granule  
 [8] *Glyphyalinia lewisiana* (G. Clapp, 1908) Pale Glyph  
 [98] *Glyphyalinia umbilicata* (Singley in Cockerell, 1893) Texas Glyph  
 [2] *Glyphyalinia solida* (H. B. Baker, 1930) Imperforate Glyph  
 [3] *Hawaiia alachuana* (Dall, 1885) Southeast Gem  
 [48] *Hawaiia minuscula* (A. Binney, 1841) Minute Gem  
 [35] *Mesomphix globosus* (McMillan, 1940) Globose Button  
 [12] *Mesomphix pilsbryi* (G. Clapp, 1904) Striate Button  
 [10] *Striatura meridionalis* (Pilsbry & Ferriss, 1906) Southern Striate  
 [34] *Zonitoides arboreus* (Say, 1817) Quick Gloss  
 [1] *Lobosculum pustuloides* (Bland, 1858) Tiny Liptooth  
 [28] *Inflectarius inflectus* (Say, 1821) Shagreen  
 [1] *Mesodon thyroidus* (Say, 1817) White-lip Globe  
 [1] *Patera perigrapta* (Pilsbry, 1894) Engraved Bladetooth  
 [19] *Stenotrema florida* Pilsbry, 1940 Appalachian Slitmouth



Regarding the five nomina ~~stricken through~~: *V. gouldii* is thought to have been a contaminant, possibly an error in sorting [simply deleted]; *Helicodiscus notius notius* [misidentification; simply deleted], *H. shimeki* [misidentification; deleted and replaced by *H. cf. shimeki*], *Euconulus chersinus* [possible misidentification (see below); deleted and replaced by *E. dentatus*], and *Guppya gundlachi* [misidentification of a juvenile *Euconulus*; simply deleted].

Of the eleven species names new to the cumulative list:

- Gastrocopta corticaria* (Say, 1817) Bark Snaggletooth [CR]  
*Vertigo milium* (Gould, 1840) Blade Vertigo  
*Vertigo oralis* Sterki, 1898 Palmetto Vertigo  
*Strobilops texasianus* Pilsbry & Ferriss, 1906 Southern Pinecone  
*Helicodiscus cf. shimeki* Hubricht, 1962 Temperate Coil (replaces *H. shimeki*) [NL]  
*Euconulus dentatus* (Sterki, 1893) Toothed Hive (replaces *E. chersinus*) [SR]  
*Euconulus trochulus* (Reinhardt, 1883) Silk Hive [CR]  
*Glyphyalinia solida* (H. B. Baker, 1930) Imperforate Glyph [CR]  
*Hawaiia alachuana* (Dall, 1885) Southeast Gem [CR]  
*Mesomphix pilsbryi* (G. Clapp, 1904) Striate Button  
*Striatura meridionalis* (Pilsbry & Ferriss, 1906) Southern Striate [CR]



"565 Specimens Of 12 Species Of Microsnails That Were Culled During The Processing L to R, top to bottom; [no. specimens]:

- Pupisoma dioscoricola* (C. B. Adams, 1845) Yam Babybody [121]  
*Gastrocopta contracta* (Say, 1822) Bottleneck Snaggletooth [68]  
*Gastrocopta pentodon* (Say, 1821) Comb Snaggletooth [27]  
*Vertigo milium* (Gould, 1840) Blade Vertigo [43]  
*Pupisoma mcneilli* (Clapp, 1918) Gulf Babybody [47]  
*Lucilla cf. singleyana* (Pilsbry, 1889) cf. Smooth Coil [23]  
*Guppya sterkii* (Dall, 1888) Sterki's Granule [70]  
*Punctum minutissimum* (Lea, 1841) Small Spot [92]  
*Hawaiia minuscula* (A. Binney, 1841) Minute Gem [48]  
*Strobilops texasianus* Pilsbry & Ferriss, 1906 Southern Pinecone [5]  
*Striatura meridionalis* (Pilsbry & Ferriss, 1906) Southern Striate [10]  
*Strobilops aeneus* Pilsbry, 1926 Bronze Pinecone [11]"

Five (5) are county records [CR], one is a state record [SR], and one is not listed [NL] vs. Hubricht (1985). In the cumulative account (37 species) there are now ten recognized species absent from northeast FL and, disregarding the NL *Helicodiscus*, 11 new Jackson Co. records.

Although I mourn the loss of the *Vertigo gouldii*, the known range of which would have been a spectacularly extended, I think the results of this effort nonetheless reinforced the fact that Jackson Co. has a rich and diverse land snail fauna with a composition quite different from our area. Future investigations and discussions will be dedicated to further defining and understanding this dichotomy.

\*\*There are at least two different *Euconulus* species here. *E. trochulus* has a larger whorl caliber and a wider, more triangular, profile than the other morph. This difference is best appreciated in adult shells (see images, above right). About half the shells of the latter group demonstrate one or more internal shelly nodes or transverse lamellae on the basal aspect of the body whorl visible through the shell. These specimens, all sub-adult and many quite small, are referable to the taxon *E. dentatus*. The literature indicates that this dentition becomes obsolete in adult specimens. Furthermore, neither the literature nor I can indicate any difference between the adult shells of *E. dentatus* and those of *Euconulus chersinus* (Say, 1821), the Wild Hive. Thus we may have three species here, but I have followed the more conservative course and listed just the first two taxa.

Hubricht, L., 1985, The distributions of the native land mollusks of the Eastern United States. *Fieldiana* 24(1359): pp. 1-191 + viii. June 28.

Digital photographs taken by Bill Frank except as indicated. Mr. Frank edited all the images.