



SHELL-O-GRAM

Official Publication of the
JACKSONVILLE SHELL CLUB, INC.

July-August 2010

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This month the Jacksonville Shell Club (JSC) will meet on the (usual) fourth Thursday, July 22, at the (usual) Southeast Branch Public Library (SEBPL) at 7:00 PM as usual. The program will be presented by Rick Edwards, who will present a program prepared by William Edwards on Diving in St. Thomas and St. Maarten. Both Rick and William were able to dive in both areas in June 2009. Brian Marshall will present the Shell-of-the-Month, *Daedalochila peninsulae*, one of the rarest of the land snails living in northeast Florida and one that he risked dehydration, blisters, and trespass to collect.

There will be a special treat in August. Rather than meeting at the SEBPL, when the fourth Thursday (Aug. 26) rolls around, President Barbara Cathey will open her home to the club for a dessert social at 7:00 PM. Everyone attending is encouraged to give a mini- (2 minutes!) Shell-of-the-Month talk on any shell, from anywhere. There will also be plenty JSC stuff to talk about (see Barbara's President's Message and her report of the June 27 JSC Board Meeting. (Directions to Barbara and George's home are the same as the Christmas party or call Barbara at 737-4708.)

Report of Board Meeting: Shell Club Board Meeting, June 27, 2010

The Board Meeting was called to order with 6 members present, 3 missing, and 2 non-Board members. The following items were discussed and will be presented at our July meeting for action.

1. A nominating committee was formed to fill vacant positions of Vice President and Board member. A slate will be presented at the July meeting. Nominations from the floor can be made at the July and August meetings with elections to follow in September.
2. We discussed options to make the SOG and club more responsive to the membership. This was in response to comments from new and existing members. We felt a need for a Membership Chairman to help integrate new members and make them feel welcome. We will try to make new and old members more comfortable by having 4 socials a year. These would include the Christmas Party, The Shell Show Banquet and 2 other events. The first of these will be the dessert social meeting August 26.
3. A need was voiced for an activity chairman to coordinate and create field trips and volunteer opportunities at schools and other venues.
4. The future 2011 Shell Show was discussed. The following two items were critical for future planning.
 - a. The possibility of changing the date and duration of the show.
 - b. The need for a Chairman

All of these items will be presented to the membership at upcoming meetings. Another Board Meeting will be held after the July meeting.

Jacksonville Shell Club, Inc.
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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

Hi Everybody.

A profitable Shell Show is behind us for another year. A little over \$1,300 was earned for club activities. Now we can look forward to club business and, of course, next year's Shell Show. A Board meeting was held June 27th to address these items. A report of the meeting can be found elsewhere in this issue.

At the June meeting we talked about not having an August meeting. At the board meeting we decided we would have a dessert social meeting. This will be held at my house (5444 Rollins Ave. – 737-4708) on August 26th at 7:00. We will be looking for a few members to sign up to bring deserts at the July meeting.

A good start has been made to meet our goals as a club.
 Thanks to everyone.

Barbara

Membership Dues are Due Now

Please send in your dues: Individual \$15.00 Family \$20.00 to

Charlotte Thorpe
1010 24th St. N

Jacksonville Beach, FL 32250

Want to know your due date? Look at your S-O-G address tag and if the date has passed or is close to today's date -Your Dues are Due

Welcome new members

Batt, Rick & Robin Harris, 170 Keil St., N. Tonawanda, NY 14120	716-692-4030
Cameron, Bonnie, 6172 Clearsky Dr., Jacksonville, FL 32258 bonnie.cameron@comcast.net	904-327-0088
Cardenas, Davron King, 6730 Strawberry Ln., Jacksonville, FL 32211	724-9695
McCarthy, Dan & Family, 526 Sapelo Road, Jacksonville, FL 32216	904-635-3776
Rogozinsky, Marjorie Ann, 2845 Forest Circle, Jacksonville, FL 32257	739-7646
Sheppard, Joy, 45194 Live Oak Church Rd., Callahan, FL 32011-6488	904-879-7559
Smith, Karen & Family, 904 Ponte Vedra Blvd., Ponte Vedra Beach, FL 32082	904-834-3556
Warshaw, Jacqueline & Family, 12945 Tree Way Ln., Jacksonville, FL 32258-3402	904-262-3820

Gertie turns over Scrapbook Archive

by Harry G. Lee

Jacksonville Shell Club (JSC) Honorary Life Member Gertrude Moller officially given the club the seven scrapbooks that contain mementoes of the entire period of her stewardship as our Historian (1959-2009). It is hard to express the amount of dedication that these archives - the **entire** history of the club - represent. What a historic treasure Gertie has provided for two generations of JSC members and friends. Included are programs for over forty shell shows, a host of newspaper articles dealing with our various public programs as well as pieces focused on past and present JSC members, and many other features interested parties could never find in the *Shell-O-Gram* or our website < <http://www.jaxshells.org/jsc.html> >. I hope all our readers will join me in an expression of gratitude to Gertrude, who, as a Founding JSC Member, has expressed her commitment to the organization in a unique and valuable way. I certainly hope her gift, as it was designed to do, will keep on giving for generations to come.

These archives are presently in my care, and I am hereby offering any interested party access to them.

Shell Show a Success

I want to thank all those that participated in making the shell show a success. I would like to extend special thanks to: Claire Newsome, the publicity chairperson for all the advertisement she put out for the shell show, running the raffle and the hourly drawings; Charlotte Thorpe, for procuring the hall for the show, arranging for awards, arranging for dealers to come to the show, and all her help throughout the shell show weekend; Dr. Harry G. Lee, for arranging the "manning of the door" and all his help in obtaining the judges; Barbara Cathey, for conducting the silent auction, decorating the banquet tables, and for arranging the ribbons on the stands in the scientific division; Billie Brown, for the great hospitality setup and for arranging the donations of food; Brian Marshall, for arranging the banquet and making name tags for those that needed one; Laura Rowley, for chairing the Arts and Crafts Division and for the decorating the tables for the banquet; Harold Hatter, for providing his truck for moving materials before and after the show and for doing the loading, moving, and unloading of the materials; and Carmella Mastronardi, Susie Smith, Pauline Hall, and Mary Reynolds for manning the shell store.

As you all know, to arrange a shell show, it takes a lot of planning, preparation, communication, and hundreds of volunteer hours to make a successful show. As chairman of this year's show, I am both glad and thrilled that this year's "Shell Show" has come and gone. Everyone had really put forth a great effort to ensure that this year's "Shell Show" was a great success,

I want to specially thank Jeff Ward for displaying his Cowrie collection to fill out our displays. It was a great shell show. I hope everybody had a good time, and the fellowship was great, seeing old friends from other shell clubs. With more involvement and an early start on entries for next year, next year's show can be even better. So, everyone needs to get **started on next year's show** by working on their personal displays and becoming **involved in the planning** and **volunteering** for next year's show **early**.

Have a good rest and see you at the meeting. Again, I thank all those that made it a success.

John Fatu
2010 Shell Show Chairman

2010 Shell Show Awards and Ribbons

Scientific Division:

A-1-3. One Area:	1 st Place Ribbon: Sheila Nugent 2 nd Place Ribbon: Robert and Alice Pace	"Shells from the Gulf of Maine" "Less Than One Hour of Collecting on Grand Cayman Island"
A-1-4. Self-Collected Southeast US and Caribbean:	1 st Place Ribbon: Charlotte Thorpe	"Self-Collected Shells from Margarita Island, Venezuela"
A-1-5. Self-Collected Worldwide:	1 st Place Ribbon: Gene Everson 2 nd Place Ribbon: Richard Edwards	"Seashells of the Millenium 2000-2009 Self-Collected", "Bivalves of Okinawa"
A-1-7. One Minor Family:	1 st Place Ribbon: Harry J. Berryman	" Costellariidae - MacDonald, 1860"
A-1-9. One Single Specimen:	1 st Place Ribbon: Jeff Ward 2 nd Place Ribbon: Robert and Alice Pace	<i>Busycon carica</i> <i>Morum vicdani</i>
A-1-10. Educational:	1 st Place Ribbon: Gertrude Moller 2 nd Place Ribbon: Harry Lee	"Fresh Water Mussels in the Button Industry" "Exceptions to the Exceptions to the Rule"
A-1-14. Oddities:	1 st Place Ribbon: Harry Lee	"Southpaw Seashells"
A-1-15. Related Specialty:	1 st Place Ribbon: Richard Edwards	"Shell Stamps of Okinawa"
A-1-16. Beginner:	1 st Place Ribbon: Roz Edwards 2 nd Place Ribbon: Joy Shepperd	"Shells of Cedar Key, Florida" "Volutidae - The Aristocrat of Shells"
A-1-17. Student:	1 st Place Ribbon: Liam Wirsansky 1 st Place Ribbon: Danielle Wirsansky	"Seashells of Sanibel", "Invasion - Migration of the Green Mussel"
A-1-18. Sea Life:	1 st Place Ribbon: Richard Edwards	"Beachcombing in Northeast Florida"
A-2. Non Marine Mollusks:	1 st Place Ribbon: Harry Lee 1 st Place Ribbon: Brian Marshall	"Terrestrial Shells Through the Looking Glass" "Northern Florida Terrestrials and Aquatics"

Du Pont Trophy Charlotte Thorpe Self-Collected Shells from Margarita Island, Venezuela"

Tucker Abbot Award Gene Everson "Seashells of the Millenium 2000-2009 Self-Collected"

Clench Award	Harry Lee	"Terrestrial Shells Through the Looking Glass"
Shell-of-the-Show Award	Gene Everson	<i>Muricopsis testorii</i>
Self-Collected Shell of the Show Award	Robert and Alice Pace	<i>Bursa grayana</i>
Judges Special Award Ribbon-	Robert and Alice Pace	"Less Than One Hour of Collecting on Grand Cayman Island"
Judges Special Award Ribbon-	Gertrude Moller	"Fresh Water Mussels in the Button Industry"
"Ten Feet and Under" Plaque	Harry Lee	"Southpaw Seashells",
Best Northeast Florida Exhibit	Brian Marshall	"Northern Florida Terrestrials and Aquatics"
COA Award	Harry J. Berryman	" Costellariidae - MacDonald, 1860"

Arts & Crafts Division

B-1-1. Pictures:	1 st Place Ribbon: Mary Robertson
B-1-3. Christman Related:	1 st Place Ribbon: Mary Robertson 2 nd Place Ribbon: Laura Rowley
B-1-4. Mirrors:	1 st Place Ribbon: Mary Robertson 2 nd Place Ribbon: Mary Robertson
B-1-5 Jewelry & Personal Acc.:	1 st Place Ribbon: Charlotte Connor 2 nd Place Ribbon: Mary Robertson
B-1-6 Paintings & Drawings:	1 st Place Ribbon: Bonnie Cameron 2 nd Place Ribbon: Bonnie Cameron
B-1-7 Photography:	1 st Place Ribbon: Sheila Nugent 2 nd Place Ribbon: Richard Edwards
B-1-8 Novelties:	1 st Place Ribbon: Robert L. Pace
B-1-9 Needlework:	1 st Place Ribbon: Barbara Cathey
B-1-11 Home Décor:	1 st Place Ribbon : Barbara Cathey 2 nd Place Ribbon: Judy Blocker
B-1-12 Sailor’s Valentine:	1 st Place Ribbon: Jane Santini
B-1-13 Beginner:	1 st Place Ribbon: LaRonda Raymond 2 nd Place Ribbon: LaRonda Raymond
B-1-14 Miscellaneous:	1 st Place Ribbon: Mary Robertson 2 nd Place Ribbon: LaRonda Raymond
B-2-1 Shell Arts & Crafts or Shell Antiques	1 st Place Ribbon: Mary Robertson
Judges Special Award Ribbons –	Richard Edwards Photograph
Judges Special Award Ribbons -	Judy Blocker Home Decor
Most Creative Award –	Robert L. Pace Novelty
Helen Murchison Award –	Barbara Cathey Home Decor
Gertrude Moller Award –	Mary Robertson

Shell Sorting and School Kits

On Saturday, March 13th, five intrepid club members met at Claire Newsom’s to sort shells and see what was available for the school kits. Present were Claire, Mary Reynolds, Carmella Mastronardi, Laura Rowley and Barbara Cathey.

We worked from 9:00 until 3:00 with a break for lunch. The results were a sorted and organized shed as well as a shopping list for the Shell Store at the Shell Show and a new proposed list for the school kits.

Carmella was able to inventory the shells available for sale in the Shell Store in May. All shells were sorted and stored properly. Those that might be better used in the silent auction were set aside for future consideration or pricing.

The old school kit list was reviewed and proposed substitutions were made if supplies were short. Mary was very helpful in the identification of shells. The sorted shells were stored in a box system provided by Laura. Proposed changes have been discussed at the March and April meeting and all sorted and collected shells have been returned to Claire for a kit making meeting to be held after the shell show.

We had a productive day and good weather. Thanks to everyone who helped. Special thanks to Claire for letting the club use her property for the storage shed.

Barbara Cathey

Beginners Beach Walk

Learn about NE Florida Beaches and Shelling. 8:30 AM. 7 August and 4 September at the GTM South Beach Parking Lot. Walk conducted by Rick Edwards. Call for information and reservations 823-4500. A \$3.00 parking fee per vehicle applies.

Article Submissions

Please submit articles, but do so in a word or pdf format electronically. Articles that require additional effort for inclusion in the Shell-O-Gram may be delayed. All articles are subject to review by our editorial review committee.

Rick Edwards



Program Committee presents slate for September Election

As prescribed in the Jacksonville Shell Club (JSC) By-Laws, the Board of Directors appointed a Nominating Committee on June 27 comprised of Harry Lee (Chair), Mary Reynolds, and Charlotte Thorpe. The committee met shortly after its creation. Since this is not a re-election year for the JSC Board, no nominations to that body were necessary.

To reiterate, here is your JSC Board of Directors

(all terms expire at the Sept., 2011 meeting):

Billie Brown (Immediate Past President)

Barbara Cathey

Rick Edwards

Harry Lee

Brian Marshall

Claire Newsome

Laura Rowley

Charlotte Thorpe

Jeff Ward

Skip Whitford

Our nominees for elected JSC officers are:

President Barbara Cathey (incumbent)

VP Brian Marshall (incumbent Harry Lee)

Secretary Harry Lee (incumbent Laura Rowley)

Treasurer Charlotte Thorpe (incumbent)

As provided for in the JSC By-Laws, nominations may be made from the floor during the July, August, or September general meeting. Voting will be conducted at the September session.

Respectfully submitted,

Harry G. Lee, Chair

A closer look at the Rams-horn in the Jumper Creek cornucopia

by Harry G. Lee

Of the 10,000-odd shells comprising much of the Jumper Creek flotsam reported in a preceding article, over ninety percent were pallid dime-sized (and shaped) aquatic pulmonates for which the official vernacular name Ghost Rams-horn apparently was intended. Although there is little doubt that this apt moniker belongs with this horde of Jumper Creek shells (one example **shown here**), the correct scientific name of this species, is not settled.

The group of snails in which the Ghost Rams-horn belongs is distributed throughout much of the tropical and other warm regions of the New World and Africa and is of considerable medical and veterinary importance. Along with other trematode worms, various parasitic blood flukes, including members of the genus *Schistosoma* infect a wide variety of vertebrate hosts, including hundreds of millions of humans (see also <<http://www.jaxshells.org/mollusks.htm>>). Many kinds of these flatworms spend an essential part of their life cycle infecting certain species of the genus *Biomphalaria*. Consequently scientists have given a lot of attention to the biology of these snails – including their taxonomy. However, there are obstacles to an easy understanding of the phylogenetic relationships of these critters. For one, their shells, like other members of the family Planorbidae are notoriously variable within species and even within populations [see Rob Dillon's blogs at <<http://fwgna.blogspot.com/search/label/Planorbidae>>], secondly, susceptibility to parasitism may vary more within apparent biospecies than among them, which fact appears to have dampened the enthusiasm of parasitologists to adhere to a conventional system of taxonomy and nomenclature, and, thirdly, until recently there was a confusing morass of generic and specific names used for the snails. Workers in one part of the world often called the same snail by a different generic **and** specific name than their scientific counterparts elsewhere.

Over the last fifty years or so there has considerable clarification of planorbid taxonomy and nomenclature. The genus *Biomphalaria* Preston, 1910 [Type Species (TS): *B. smithi* Preston, 1910 by monotypy] has subsumed several other generic units. *Tropicorbis* A.P. Brown and Pilsbry, 1914 [TS: *Planorbis liebmanni* Dunker in Küster, 1886 by original designation (OD)] and *Australorbis* Pilsbry, 1934 [TS: *Planorbis guadalupensis* G.B. Sowerby I, 1822 OD]



were recognized as consensus junior synonyms. Pursuant to a petition (followed by a modified version thereof) to the ICZN by C.A. Wright, originally submitted in 1958, *Biomphalaria* was given precedence over *Planorbina* Haldeman, 1842 [TS: *Planorbis olivaceus* Spix, 1827 by subsequent designation (SD) Dall, 1905], *Taphius* H. and A. Adams, 1855 [TS *Planorbis andecolus* d'Orbigny, 1835 OD], and *Armigerus* Clessin, 1884 [TS *Planorbis albicans* L. Pfeiffer, 1839 SD Morrison, 1947], all potential senior synonyms, when any or all of the three were considered synonymous (which is now the consensus). Rather than suppressing them the Commission placed all these four generic names on the Official List; see Wright (1962) <<http://biostor.org/reference/2169.text>> and ICZN (1965). At least this part of the puzzle is settled – but with no little contention among the Commissioners evident in the published proceedings of this case.

Species-level taxonomy in *Biomphalaria*, although very intensively studied (e.g., DeJong et al., 2001), hasn't reached stasis. In the latter third of the 20th century there was a tendency for large-sale lumping of taxa, but recent molecular genetic perspectives seem to have dampened that trend. In particular, consensus on the identity of the Ghost (or Obstructed?) Rams-horn of Jumper Creek, which has been assigned to *B. havanensis* (L. Pfeiffer, 1839) by Thompson (1968: 71-72) [including its updated cyber-version: <<http://www.flmnh.ufl.edu/natsci/malacology/fl-snail/snails1.htm>> figs 177-179; last edited March 5, 2004] and Turgeon, Quinn *et al.* (1998: 135). In this study I follow Dillon and Dutra-Clarke (1992), whose material was identified by veteran malaco-parasitologist Emile Malek, and assign the shells to *B. obstructa* (Morelet, 1840). Further, on review of the literature and hundreds of Jumper Creek specimens, I cannot rule out the synonymy of these two taxa.

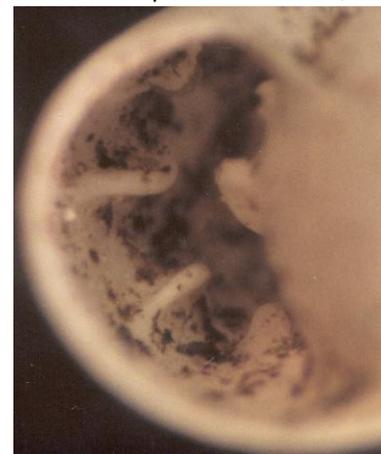
One shell feature that preoccupied early workers in *Biomphalaria* taxonomy was the presence of apertural barriers, and forms the basis of the identity of *Planorbis obstructus* Morelet, 1840.

Subsequently, however, such lamellae were described in some individuals of several species of *Biomphalaria*. These structures have a rather stereotypical topology with two parietal and four labral plates. It has been demonstrated that they confer an advantage by strengthening the shell and by facilitating aestivation, presumably by reducing the area across which water vapor may escape and



anchoring the mucous epiphragm secreted by the snail. The barriers tend to occur in younger animals, and have a genetic basis (Paraense, 1957, 1996; Richards, 1964, 1968). In the hundreds of *B. obstructa* I examined it was apparent that such lamellae were present in more than half of the shells

measuring two to four mm but could not be found in larger specimens. A photomicrograph of a 3.5 mm shell is shown on the **left**, and the aperture is shown in greater magnification on the **right**.



Just why is this feature limited to this subset of Jumper Creek Ghost Rams-horns? Would the two to four mm shells continue to grow and reach, say ten to 12 mm like the largest shells in the sample? If that were the case, then the lamellae would have to have been reabsorbed since I saw no evidence of these structures by transilluminating and/or manually dissecting the larger shells. Is this little subset, of which I kept a small sample of about 50 specimens, prematurely adult – an enclave of pygmies in the larger colony? I suspect the latter scenario is not operative, at least for many of the lamellate specimens. Those shells also manifest a pattern of narrowing followed by expansion of the last 20 percent of the whorl, the narrowing roughly correlated with the position of the lamellae and the entire segment thicker than the rest of the shell. This feature can be seen, although not optimally, in the figures of the preceding paragraph. The correlation is so uniform that I could reliably predict the presence of internal lamellae by looking at the external aspect of the shell. Inversely, nonlamellate shells in the same size class lacked the change in whorl caliber. Of further interest is evidence, in the larger shells examined, of periodic interruption of the otherwise consistent spiral growth pattern by segments of narrowing, expansion, and thickening. Such growth interruptions may be seen in the twelve mm giant shell in the first figure (**above**). It seems reasonable that periods of stress may recur repeatedly in the lifetime of any Ghost Rams-horn, that some individuals alter their shells to adapt, and that many resume normal growth after the environment ameliorates. This reversible pattern of adaptation includes the development of internal lamellae only among the younger snails with shells two to four mm. It would be interesting to test this hypothesis by rearing lamellate snails in an aquarium.

Maybe that experiment will require another Valentine's Day immersion into Jumper Creek.

- DeJong, R.J., J.A.T. Morgan, W.L. Paraense, J-P. Pointier, M. Amarista, P.F.K. Ayeh-Kumi, A. Babiker, C.S. Barbosa, P. Brémond, A. Canese, C.P. de Souza, C. Dominguez, S. File, A. Gutierrez, R.N. Incani, T. Kawano, F. Kazibwe, J. Kpikpi, N.J.S. Lwambo, R. Mimpfoundi, F. Njiokou, J.N. Poda, M. Sene, L.E. Velásquez, M. Yong, C.M. Adema, B.V. Hofkin, G.M. Mkoji and E.S. Loker, 2001. Evolutionary Relationships and Biogeography of Biomphalaria (Gastropoda: Planorbidae) with Implications Regarding Its Role as Host of the Human Bloodfluke, *Schistosoma mansoni*. *Molecular Biology and Evolution* 18:2225-2239.
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- Wright, C.A., 1962. *Planorbina* Haldeman, 1842, *Taphius* Adams & Adams, 1855 and *Armigerus* Clessin, 1884 (Mollusca, Gastropoda): Proposed suppression under the plenary powers. Z.N.(S.) 1392. *Bulletin of Zoological Nomenclature* 19(1): 39-41. Feb. 2.

Finding Picta

By Bob Hinten

The most endangered mollusks today are those living in freshwater or species requiring a dense forest habitat. *Anguispira picta* (Clapp, 1920) is a little known land snail from the southern Cumberland Plateau on the Tennessee/Alabama border. That this species was not described until 1920 is testament to its' rarity and isolated habitat. Even today this section of Tennessee/Alabama is sparsely populated with no major towns or roads. The area would be prime habitat for land species except for two local industries; logging and limestone quarrying. Franklin County, Tennessee, and Jackson County, Alabama, have been cut over twice in the last 50 years and virtually no stand of timber is more than 40 years old. Logging continues apace at present. The area sports two large quarries, cutting out whole sections of the limestone habitat and with the adjunct runoff and siltation problems.

In 1983, Doctors Arthur Bogan and Paul Parmalee published "Tennessee's Rare Wildlife, Vol. II, The Mollusks," 129 pages, published by the Tennessee Wildlife Resources Agency and listed *Anguispira picta* as endangered. On page 105, they speculated that *picta* was represented by no more than 2000 extant individuals and restricted to one area of Buck Creek Cove in Franklin County, Tennessee. This habitat is less than 12 square kilometers in area.

Periodically, I visit my old haunts in the Section of Mollusks, Carnegie Museum of Natural History, Pittsburgh, Pennsylvania, curated by Dr. Timothy Pearce. Two years ago while checking my identifications against those species housed in the collections, I came across a locality collected by Dr. Herbert H. Smith in the 1890's of Sherwood, Franklin Co., Tennessee. Armed with the knowledge of two Franklin Co. locations, I went there to collect. Buck creek Cove still harbors *Anguispira picta* as I found a few dozen dead individuals. However, the surprise came from Sherwood near one of the limestone quarries. Here over the last two years, 2009-2010, I've found several hundred dead individuals and two live ones which were left to propagate. Sherwood is five (5) kilometers NNE of Buck Creek Cove across the only road in the area and a large stream, Grow Creek.

Obviously, *picta* has been there all along in its preferred habitat of limestone caves and crevices. Probably no one had looked in Sherwood since Dr. Smith, but he did not find *picta* 100 years ago or his collection in the Carnegie is missing it. Regardless, it is good to know that *picta* is represented by at least two stable populations. I have made collections in areas two and five kilometers north of Sherwood with no results and a collection two kilometers SW of Buck Creek Cove, again no *picta*. On a further trip to Cave Spring, Jackson Co., Alabama, 18 Kilometers SW of Sherwood, I did not find *picta*.

It seems that *Anguispira picta* is confined to an extremely small area of Franklin County, Tennessee that is threatened by logging and intense quarrying. Bogan and Parmalee in 1983, recommended that the Buck Creek Cove habitat be purchased and preserved. This has not been accomplished. *Picta* could be gone in the next 20 years or less.

(Note: A photo was supplied with the article, but could not be scanned for the electronic version of the article at this time. A later posting on the web will have an updated version with the image.)

In an effort to improve membership and benefit present members, especially for those that do not attend club meetings, we would like your opinion concerning the club. Please indicate your suggestions below and return the form to Charlotte Thorpe, 1010 24th St. N, Jacksonville Beach, FL 32250-2883 or bring it to the next meeting.

Club Meetings-

Shell O Gram-

Programs-

Shell Show-

Other concerns-
