



SHELL-O-GRAM

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JACKSONVILLE SHELL CLUB, INC.

March-April, 2012

Volume 53, No. 2

The club will convene at 7:00 at the Southeast Regional Public Library on Thursday, **March 22**, 2012. Our program will be devoted to sea anemones, familiar marine animals not too distantly related to the mollusks. We are very fortunate to have novice JSC member Wendy Eash-Loucks tell us about the natural history of these fascinating creatures. She'll also present a summary of her Master's Thesis work done at the University of Kansas. As many of you know, for the last year or so Wendy has been serving as Biological Scientist at Guana Tolomato Matanzas National Marine Estuarine Research Reserve (GTMNERR, or more simply, GTM) and has been participating in club activities for the past few months. To maintain the theme, Charlotte Lloyd will report the "Shell-of-the-Month," a local species of anemone which resides in a shelly tube rather than the customary posture - directly attached to the ocean floor.

The **April** meeting will be on Thursday the **26** at the usual time and place. President Brian Marshall will report on his inventory of the marine mollusks of St. Augustine Inlet. For about four years Brian has been studying and collecting the malacofauna of the inlet area, which includes an assortment of microhabitats. Because of its accessibility, relative freedom from pollution, the number of collectors over time (well over a century), he has a prodigious story to tell. Although currently a good bit short of completion, Brian's work promises to be an ongoing project. He'll liberally illustrate his presentation with photographs of some of the charismatic denizens of his study area. Appropriately, Wendy Eash-Loucks will present a discovery she made not far from the inlet - a fouling bivalve which happens to be new to our NE Florida cumulative checklist (raising that tally to 809 species), *Arcuatula papyria* (Conrad, 1846), the Atlantic Papermussel. Wendy's collecting method is one not previously used in our "campaign."

NORTH FLORIDA SUMMER SHELLERATION

co-sponsored by the Gulf Coast and Jacksonville Shell Clubs

**Back to Back
Shell Shows
With In Between
Shell Excursions**



GULF COAST SHELL SHOW JULY 14-15
Panama City Beach Senior Center
423 Lyndell Lane. for more info:
Jim Brunner: 850-215-2086 or
email: jili@knology.net

JACKSONVILLE SHELL SHOW JULY 20-22
Morocco Shrine Auditorium-Free Admission
3800 S. St. Johns Bluff Rd. for more info:
Charlotte Thorpe: 904-246-0874 or
email: challoyd@bellsouth.net

**Jacksonville Shell Club, Inc.
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Jacksonville Beach, FL 32250**

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Assistant Editor - Harry G. Lee ... Email: shells@hglee.com**

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.

President's Message

Dear Shell Club Members,

In our last two meetings we delegated the various responsibilities for the upcoming Shell Show to our club members. Thank you to everyone who is volunteering their efforts. We will continue to place focus in the upcoming months on the action items necessary to make the show successful. Also, in our last two meetings, Charlotte Thorpe graciously hosted a small shell auction for us. Thank you Charlotte for incorporating the raffle into our meetings. We now have the opportunity to not only bring home some added knowledge, but also the possibility of a new addition to our personal collections. Don't forget to bring a couple extra dollars with you to the meetings to take part in this fun event. I look forward to seeing everyone over the next couple of months. Brian

STORE ROOM WORK DAY



Members are needed to lend a hand. We will be working on the shells to be used in our Shell Store at the upcoming Shell Show. The shells are stored at Claire Newsome's home; 3875 Copper Circle East, Jacksonville, FL 32207, phone 398-6383. We will meet at 10:00 in the morning on March 17th. Things to bring with you are; your lunch, water or other drinks, gloves, bucket, marking pen, baggies, and items for the Shell Store if you have extra shells. This will be a fun day and we hope you will be able to attend.

LOOKING FOR SOME GREAT SHELLS AND BOOKS TO ADD TO YOUR SHELL COLLECTION?

The last three pages of this newsletter has a complete list of shells, books and shell art being auctioned off on Wed. March 14th 2012 by the Broward Shell Club. Look over the list and if you see something that interests you give Nancy Galdo a call at 305-467-4412 and leave your bid and phone number so she can call you during bidding.

Allan Bowen Walker

January 7, 1921 – February 19, 2012

We have lost a memorable and innovative votary of conchology. The passing of Jacksonville Shell Club (JSC) Honorary Life Member Allan Walker came no less than 37 years from the time he joined our enterprise. During the first two decades of that affiliation he placed his mark on a generation of JSC members, the shell world, and thousands of other citizens of Jacksonville, Tallahassee, and elsewhere.



Allan was born in Providence, RI and served in the USAF in WW II as well as ten years in the RI Air National Guard. He married Hazel Barrs during wartime, and their union lasted 67 years until his passing. The couple settled in Jacksonville in 1959, and Allan went to work for *The Florida Times-Union/Journal*. He retired from his position of press photographer in 1983. During his 24 years of service to journalism he was recognized with several national awards for his photography.

Allen and Hazel attended their first JSC meeting at the Citizens Federal Savings and Loan Association on University Blvd. in March, 1975. Their immersion was immediate and earnest as each won a blue ribbon in the Eleventh JSC Shell Show less than four months later. One, the other, or both the Walkers won ribbons and major awards, including Most Beautiful, Most Educational, The People's Choice, and the Maggi Wheldon Trophy at essentially every event for the next twenty years. Theirs was a special talent, which garnered recognition in both the artistic and scientific divisions. The couple exhibited at several shell shows throughout the state, most notably Astronaut Trail and Sanibel, and attended other shelling events such as Conchologists of America conventions and the Shellers' Jamboree, held in Pinellas Co.

Following a short apprenticeship with the late Don Campbell, and at the time of his retirement from the newspaper, Allen immediately went to work for the JSC. He served as Chairman of the Shell Show for five of the next six years, one of them, 1988, when he was the club's President. These were the Halcyon Years of the Beaches' Flag Pavilion JSC shows, with exhibits stretching over 800 feet on some occasions. Allan's spectacular photographs of the event from the balcony of the vast auditorium were well-received and widely circulated, appearing in numerous publications. The images also found their way onto postcards, which broadcast the splendor and scale of these shell shows to an international audience.

Allan and Hazel's greatest passion was education. After listening to shell show attendees for a few years, they realized there was a basic lack of connection between mere shells and the natural history of mollusks, so they set out to remedy the problem. In the mid-1980's they initiated the JSC Education Committee and began a series of talks to elementary school children. The emphasis of their curriculum was the living mollusk, and their teaching materials included a great number of animals preserved in their shells. Audience interaction was encouraged, and the kids' response was overwhelmingly positive. Overwhelming is a particularly apt descriptor; the Walkers, along with a retinue of JSC recruits, gave over 200 such presentations to several thousands of school children during those busy years and earned Allan the moniker "shell man." The Walkers and team also presented their programs to the JSC, at Jacksonville University, FCCJ (now FSCJ), and Marineland. They installed sizeable temporary shell exhibits at middle and high schools. Perhaps principal among the Walkers' disciples was the late Betty Hunter, whose teaching plans, in particular linking the scientific names of mollusks to classical language and culture, drew national acclaim from educational professionals.

As is evident from the preceding account, Allan Walker was pretty much inseparable from Hazel. While this abiding partnership produced a laudable volume of good works, those of us who knew these special individuals will probably remember the sense of fellowship that the Walkers brought to the JSC. On October, 1979 the club shared the news of four Walker generations at the birth of grandson Jordan Reeves, including the post-natal visit by Allan's dad, the late Col. Edward Walker. Twelve years later, their letter of farewell to Don Campbell in the *Shell-O-Gram* was a masterful expression of love and nostalgia. Arriving at the annual JSC Cedar Key field trip, often in near freezing weather due to lunar vagaries, all of up to 40 expeditioners could expect Hazel's seafood bouillabaisse, clam bisque, or fish chowder, served by Allan in ample piping hot dollops, to take the bight out of that night air. And who of that JSC generation can forget Allan energizing the annual JSC Xmas parties in his white leisure suit and oversized red bow tie? The Walkers embodied both the mission and spirit of our club.

When Allan became stricken with a stroke in late 1994, the Walkers' JSC participation was curtailed, but they maintained contact. They donated their shell collection to the Mary Brogan Museum of Art and Science in Tallahassee, where, according to Aimee Hills-Hayes, Director of Education and Public Programs, it has illuminated audiences of tens of thousands. During his infirmity Hazel gave Allan the highest caliber of nursing care to which I have ever borne witness. As in health, clearly this nurse and patient were a perfect fit.

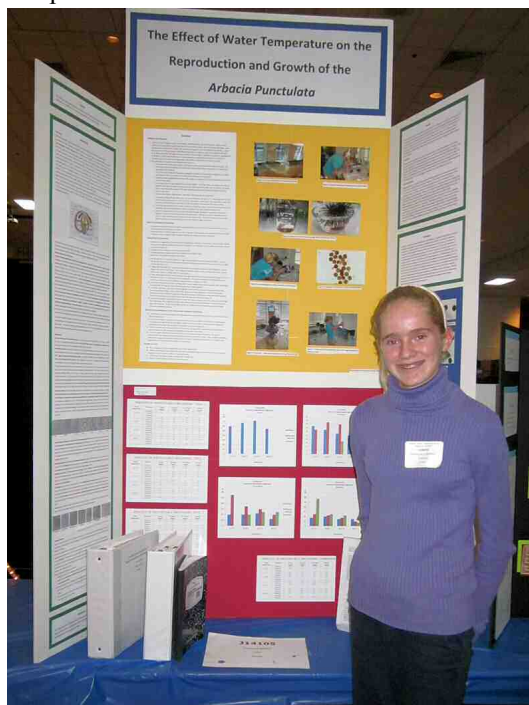
At the memorial service on February 25, once again four generations of Walkers and their families were present, but this time to mourn their loss. Yet there is some consolation in the knowledge that Allan Walker imparted a legacy in those elementary school classrooms, in the Brogan Museum, and to the JSC. Thanks to Allan and Hazel, their school kids have a better respect for, and comprehension of, their natural surroundings. And it's likely this insight will be imparted to the next generation, the school-age children most of the "shell man's" students are now raising. Thus Allan Bowen Walker achieved a measure of immortality and elevated the condition of so many whom he touched.

Harry G. Lee

JSC 2012 Science Fair Awards

by Harry Lee and Rick Edwards

The 2012 Northeast Florida Regional Science and Engineering Fair was held in a setting familiar to most club members, the Morocco Temple on St. Johns Avenue in Jacksonville. The exhibits nearly filled the large hall, where Coin Shows have been held coincident



with our (nearly) annual Shell Fairs held in the adjacent smaller hall. Categories for the entrants included botany, chemistry, environmental science, microbiology, medicine, physics, and zoology. We met at the traditional location of the JSC admittance table about mid-day on Monday, February 13, the first of two days the fair was open to the public.

Because of the criteria we were applying (excellence in marine studies and/or invertebrate zoology), we found it necessary to look at nearly every exhibit. It was clear that this year's presentations reflected a greater concern over environmental change than any previous group during our decade or so of judging. There were plenty of studies involving carbon dioxide, pollutants, and the effects of temperature on biota in a number of the categories.

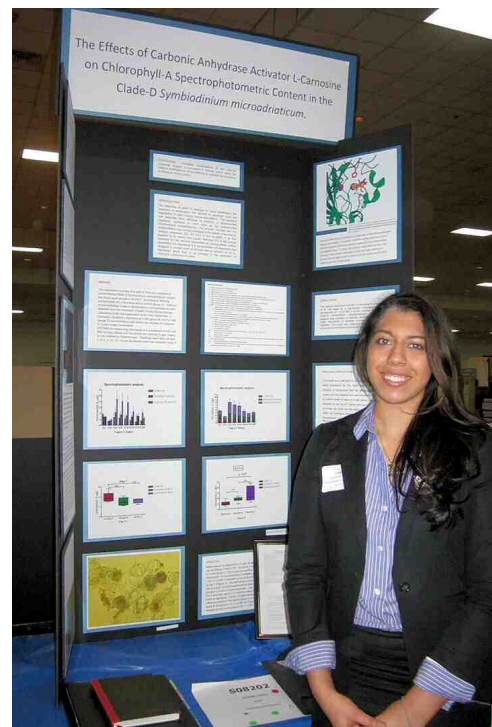
Of the dozen or so projects that we scrutinized, two were clear winners.

(Left) Francesca Walton, an 8th-grader at Episcopal High School, presented her experimental work under the title "Effect of water temperature on reproduction and growth of *Arbacia punctulata*." Using adult specimens of the Purple-spined Sea Urchin she obtained from Jack Rudloe's Gulf Specimen Marine Lab in Panacea, FL, she induced the shedding of gametes, witnessed fertilization through a microscope with a computer-imaging interface, and then subjected the zygotes to controlled experimental conditions. Groups of several fertilized ova were placed in one of four temperature-controlled environments for 72 hours in

her laboratory, which bore a distinct resemblance to a laundry room. The results indicated more rapid growth of the embryo at higher temperatures, but better survival (with slower but uninterrupted development) at the lowest temperature selected. It happens that this temperature is very near to that which occurs in waters during the natural reproductive cycle of the species. *Arbacia punctulata* (Lamarck, 1816) [see image, compliments of Bill Frank] is a well-traveled experimental model for both reproductive and toxicity studies. Francesca chose her organism well, and she diligently followed her protocol. She was able to discuss all aspects of her work, including the implications of her findings, which are compelling in light of the global warming trend. The club awarded Francesca a check in the sum of \$50.00 as our winner in the Junior Division.

(Right) Gabriela Canas, a senior at Bishop Kenny High School was our award recipient in the Senior Division. Her project, titled "The effect of the carbonic anhydrase activator L-carnosine on Chlorophyll A content of Clade D *Symbiodinium microadriaticum*," dealt with the enzyme-driven incorporation of dissolved carbon dioxide into the tissue of her test organism, a specialized type of alga. Gabriela was able to demonstrate a positive correlation between the delivery of carnosine to isolated cells of this microorganism under controlled laboratory conditions to the genesis of chlorophyll, the engine for photosynthesis. This engine is an important contributor to both the removal of carbon dioxide on a global scale as well as to the health of coral reefs everywhere. Working at UNF, she became quite familiar with these little zooxanthellae, which are mutualistic endosymbionts of several species of stony coral as well as Giant Clams (Tridacnidae) and at least two genera of the closely-related cockles (*Corculum* and *Fragum*). She was able to discuss the wide implications of her work in the context of ocean acidification and the already-demonstrated impact of coral-bleaching, which has been linked to collapse of the zooxanthellid coral symbionts. For her accomplishment, Gabriela received a check for \$75.00.

Clearly both of these young scientists were motivated by considerations quite in contrast with what motivated the authors to create their science projects in the 1950's and 60's. Science is adaptable, and present-day exigencies are driving these creative young minds. We hope the kind of work we recognize here will lead to a brighter future for them and the generations that follow.



Kice Island, Collier Co. - the other SW Florida shelling beach

by Harry Lee and Amy Tripp

It's safe to say that very few readers of the *Shell-O-Gram* are unaware that Sanibel Island has the most renowned shelling beaches in our country and arguably on Earth. Yet, since a many collectors consider diversity an important index of the shelling experience, just how many species can someone find on Sanibel's beaches? The Bailey-Matthews Shell Museum (BMSM) has launched an investigation to make just that determination. Thanks to the efforts of Dr. José H. Leal, several local collectors, and some outside collaborators, an illustrated inventory is now posted on BMSM website <http://shellmuseum.org/shells/shellindex.cfm>. At the time of this writing (20 February, 2012), the species count has reached 302. That number, while certain to rise in the months and years to come, provides a yardstick by which other shelling destinations may be measured.

One of us (A.T.) has been collecting a beach not far distant from those hallowed sands of Sanibel. Kice Island [Figs 1, 2] is a barrier island just south of Marco, FL., where she spends several of the cooler months each year. The senior author took note of her successes (180 species) a couple of years ago and suggested that a substantial volume (~ 1 liter) of stranded "grunge" be examined for micromollusks in an attempt to increase the species count. During the winters of 2008, 2010, and 2011 drifted "grunge" rich in small shells was scooped up from a sandbar running W from The N end of the island, dried, and subjected to examination under the microscope. The following is an analysis of the mollusks found by visual surveillance (beachcombing by A.T.) and the specific hunt for micromollusks (armchair collecting by HL).

Chaetopleura apiculata (Say, 1838) Eastern Beaded Chiton
***Acanthochitona pygmaea* (Pilsbry, 1893) Striate Glass-hair Chiton**
***Nucula proxima* Say, 1822 Atlantic Nutclam**
***Nuculana acuta* (Conrad, 1832) Pointed Nutclam**
Brachidontes cf. exustus (Linnaeus, 1758) Scorched Mussel
Ischadium recurvum (Rafinesque, 1820) Hooked Mussel
Lioberus castanea (Say, 1822) Chestnut Mussel
Modiolus americanus (Leach, 1815) American Horsemussel
Modiolus squamosus Beauverthuy, 1967 Southern Horsemussel
***Musculus lateralis* (Say, 1822) Lateral Mussel**
Perna viridis (Linnaeus, 1758) Green Mussel
Anadara floridana (Conrad, 1869) Cut-ribbed Ark
Anadara transversa (Say, 1822) Transverse Ark
Arca imbricata Bruguière, 1789 Mossy Ark
Arca zebra (Swainson, 1833) Turkey Wing
Noetia ponderosa (Say, 1822) Ponderous Ark
Tucetona pectinata (Gmelin, 1791) Comb Bittersweet
Pinctada imbricata Röding, 1798 Atlantic Pearl-oyster
Pteria colymbus (Röding, 1798) Atlantic Wing-oyster
Atrina rigida (Lightfoot, 1786) Stiff Panshell
Atrina serrata (G.B. Sowerby I, 1825) Saw-tooth Panshell
***Limaria pellucida* (C.B. Adams, 1846) Antillean Filedam**
Argopecten gibbus (Linnaeus, 1758) Atlantic Calico Scallop
Argopecten irradians taylorae Petuch, 1987 Southern Bay Scallop
Euvola ziczac (Linnaeus, 1758) Zigzag Scallop
Lindapecten muscosus (W. Wood, 1828) Rough Scallop
Nodipecten fragosus (Conrad, 1849) Northern Lions-paw
Plicatula gibbosa Lamarck, 1801 Atlantic Kittenpaw
Spondylus ictericus Reeve, 1856 Digitate Thorny Oyster
Anomia simplex d'Orbigny, 1832 Common Jingle
Pododesmus rudis (Broderip, 1834) Atlantic Falsejingle
Crassostrea virginica (Gmelin, 1791) Eastern Oyster
Dendostrea frons (Linnaeus, 1758) Frond Oyster
Ostreola equestris (Say, 1834) Crested Oyster
Anodontia alba Link, 1807 Buttercup Lucine
Anodontia schrammi (Crosse, 1876) Chalky Buttercup Lucine
Codakia orbicularis (Linnaeus, 1758) Tiger Lucine
Ctena orbiculata (Montagu, 1808) Dwarf Tiger Lucine
Lucina pectinata (Gmelin, 1791) Thick Lucine
Luciniscia nassula (Conrad, 1846) Woven Lucine
***Parvilucina crenella* (Dall, 1901) Many-line Lucine**
***Radiolucina amianta* (Dall, 1901) Miniature Lucine**
Stewartia floridana (Conrad, 1833) Florida Lucine
***Diplodonta notata* Dall and Simpson, 1901 Pitted Diplodon**
***Phlyctiderma semiaspera* (Philippi, 1836) Pimpled Diplodon**
Arcinella cornuta Conrad, 1866 Florida Spiny Jewelbox
Chama congregata Conrad, 1833 Corrugate Jewelbox
Chama macerophylla Gmelin, 1791 Leafy Jewelbox
Chama radians Lamarck, Atlantic Jewelbox
***Aligena elevata* (Stimpson, 1851) Eastern Aligena**
***Bornia longipes* (Stimpson, 1855) Borniaclam [1]**
***Mysella* species 1 [see Lee (2009: 30; species no. 100)]**
***Mysella* species 2 [see Lee (2009: 30; species no. 101)]**
***Naeromya* species**
***Orobitella floridana* (Dall, 1899) Giant Montacutid**
***Orobitella limpida* (Dall, 1899) Limpid Montacutid**
Carditamera floridana Conrad, 1846 Broad-ribbed Carditid

Crassinella lunulata (Conrad, 1834) Lunate Crassinella
***Eucrassatella speciosa* (A. Adams, 1852) Beautiful Crassatella**
***Dalocardia muricata* (Linnaeus, 1758) Yellow Pricklycockle**
Dinocardium robustum (Lightfoot, 1786) Atlantic Giant Cockle
Laevicardium mortoni (Conrad, 1830) Yellow Eggcockle
***Laevicardium oviputamen* (Reeve, 1844) Velvet Eggcockle**
***Laevicardium pictum* (Ravenel, 1861) Painted Eggcockle**
***Papyridea lata* (Born, 1778) Broad Papercockle**
Trachycardium egmontianum (Shuttleworth, 1856) Florida Pricklycockle
***Anatina anatina* (Spengler, 1802) Smooth Duckclam**
***Macrotoma fragilis* (Gmelin, 1791) Fragile Surfclam**
Mulinia lateralis (Say, 1822) Dwarf Surfclam
Raeta plicatella (Lamarck, 1818) Channeled Duckclam
Spisula raveneli (Conrad, 1832) Southern Surfclam
***Ensis meqistus* Pilsbry & McGinty, 1943 Minor Jackknife**
***Angulus paramerus* (Boss, 1964) Perfect Tellin**
Angulus versicolor (DeKay, 1843) Many-colored Tellin
***Angulus tampaensis* (Conrad, 1866) Tampa Tellin**
***Eurytellina alternata* (Say, 1822) Alternate Tellin**
***Eurytellina lineata* (Turton, 1819) Rose-petal Tellin**
***Macoma constricta* (Bruguière, 1792) Constricted Macoma**
***Macoma tenta* (Say, 1834) Elongate Macoma**
***Scissula similis* (J. Sowerby, 1806) Candystick Tellin**
***Tellidora cristata* (Recluz, 1842) White-crest Tellin**
Donax variabilis Say, 1822 Variable Coquina
Abra aequalis (Say, 1822) Atlantic Abra
***Abra lioica* (Dall, 1881) Smooth Abra**
***Ervilia concentrica* (Holmes, 1860) Concentric Ervilia**
Semele bellastrata (Conrad, 1837) Cancellate Semele
***Semele proficua* (Pulteney, 1799) Atlantic Semele**
***Semele purpurascens* (Gmelin, 1791) Purplish Semele**
Tagelus divinus (Spengler, 1794) Purplish Tagelus
Polymesoda floridana (Conrad, 1846) Southern Marshclam
Anomalocardia cuneimeris (Conrad, 1846) Pointed Venus
Chione elevata (Say, 1822) Florida Cross-barred Venus
***Chionopsis intapurpurea* (Conrad, 1849) Lady-in-waiting Venus**
Cyclinella tenuis (Recluz, 1852) Thin Cyclinella
Dosinia discus (Reeve, 1850) Disk Dosinia
Dosinia elegans (Conrad, 1843) Elegant Dosinia
Macrocallista maculata (Linnaeus, 1758) Calico Clam
***Macrocallista nimbosa* (Lightfoot, 1786) Sunray Venus**
***Mercenaria campechiensis* (Gmelin, 1791) Southern Quahog**
***Parastarte triquetra* (Conrad, 1846) Brown Gemclam**
***Perilypta listeri* (Gray, 1838) Princess Venus**
***Timoclea grus* (Holmes, 1858) Gray Pygmy-venus**
Petricolaria pholadiformis (Lamarck, 1818) False Angel Wing
***Sphenia dubia* (H.C. Lea, 1843) Dubious Sphenia**
***Sphenia tumida* J.E. Lewis, 1968 Tumid Sphenia [Fig. 4]**
***Caryocorbula barrattiana* (C.B. Adams, 1852) Truncate Corbula**
Caryocorbula dietziana (C.B. Adams, 1852) Rose Corbula
Roccellaria stimpsoni (Tryon, 1861) Stimpson Chimney Clam
Barnea truncata (Say, 1822) Atlantic Mud Piddock
***Cyrtopleura costata* (Linnaeus, 1758) Angelwing**
***Pholas campechiensis* Gmelin, 1791 Campeche Angelwing**
***Martesia cuneiformis* (Say, 1822) Wedge Piddock**
***Martesia fragilis* A.E. Verrill and Bush, 1890 Fragile Piddock**
Martesia striata (Linnaeus, 1758) Striate Piddock
***Bankia fimbriatula* Moll and Roch, 1931 Fimbriate Shipworm**
***Teredo bartschi* W. Clapp, 1923 Bartsch's Shipworm**

Lyonsia floridana Conrad, 1849 Florida Lyonsia
Asthenothaerus hemphilli Dall, 1886 Square Thraciid
Periploma margaritaceum (Lamarck, 1801) Unequal Spoonclam [Fig. 5]
Cardiomya costellata (Deshayes, 1837) Little-ribbed *Cardiomya*
Antalis pilsbryi (Rehder, 1944) Pilsbry's Tuskshell
Graptacme eborea (Conrad, 1846) Ivory Tuskshell
Paradentalium americanum Chenu, 1843 American Tuskshell
Diodora cayenensis (Lamarck, 1822) Cayenne Keyhole Limpet
Diodora jaumei Aguayo and Rehder, 1936 Jaume's Keyhole Limpet
Lucapinella limatula (Reeve, 1850) File Fleishy Limpet
Turbo castanea Gmelin, 1791 Chestnut Turban [2]
Calliostoma pulchrum (A. Adams, 1850) Beautiful Topsnail
Calliostoma tampaense (Conrad, 1846) Tampa Bay Topsnail
Skenea species [see Lee (2009: 58; species no. 268)] [Fig. 6]
Finella adamsi (Dall, 1889) Adams' Cerith
Finella dubia (d'Orbigny, 1842) Dubious Cerith
Alaba incerta (d'Orbigny, 1842) Varicose Cerith
Bittiolium varium (Pfeiffer, 1840) Grass Cerith
Cerithium atratum (Born, 1778) Dark Cerith
Cerithium litteratum (Born, 1778) Stocky Cerith
Cerithium lutosum Menke, 1828 Variable Cerith
Cerithium muscarum Say, 1832 Flyspeck Cerith
Batillaria minima (Gmelin, 1791) West Indian False Cerith
Cerithidea costata (E.M. da Costa, 1778) Costate Hornsnail
Cerithidea scalariformis (Say, 1825) Ladder Hornsnail
Modulus modulus (Linnaeus, 1758) Buttonsnail
Turritella acropora Dall, 1889 Boring Turretsnail
Vermicularia fargoi Olsson, 1951 Gulf Wormsnail
Vermicularia knorrii (Deshayes, 1843) Florida Wormsnail
Vermicularia spirata (Philippi, 1836) West Indian Wormsnail
Echinolittorina placida Reid, 2009 Stillwater Periwinkle
Littoraria angulifera (Lamarck, 1822) Mangrove Periwinkle
Littoraria nebulosa (Lamarck, 1822) Cloudy Periwinkle
Rissoina striatocostata d'Orbigny, 1842 Rib-striate Risso [Fig. 7]
Schwartzella catesbyana (d'Orbigny, 1842) Catesby's Risso
Zebina browniana (d'Orbigny, 1842) Smooth Risso
cf *Aphastracon theiocrenatum* F. Thompson, 1968 Hydrobe 1
[Benthonella gaza of H. Vokes and E. Vokes, 1984 non Dall, 1889] Hydrobe 2
cf. *Littoridinops palustris* F. Thompson, 1968 Hydrobe 3
cf. *Onobops crassus* F. Thompson, 1968 Hydrobe 4
cf. *Tryonia aequicostata* (Pilsbry, 1889) Hydrobe 5
Truncatella caribaeensis Reeve, 1842 Caribbean Truncatella
Truncatella pulchella (L. Pfeiffer, 1839) Beautiful Truncatella
Assimineia succinea (L. Pfeiffer, 1840) Atlantic Assimineia
Anticlimax athleena (Pilsbry and McGinty, 1946) Athleen's Vitrinella
Anticlimax pilsbryi (McGinty, 1945) Cupola Vitrinella
Aorotrema cistronium (Dall, 1889) Three-keel Vitrinella
Cochliolepis striata Dall, 1889 Striate Scalesnail
Cyclostremiscus beauii (P. Fischer, 1857) Beau's Vitrinella
Cyclostremiscus jeannae Pilsbry and McGinty, 1946 Jeanne's Vitrinella
Cyclostremiscus pentagonus (Gabb, 1873) Trilix Vitrinella
Cyclostremiscus suppressus (Dall, 1889) Suppressed Vitrinella
Episcynia inornata (d'Orbigny, 1842) Fringed Vitrinella
Parviturbooides interruptus (C.B. Adams, 1850) Interrupted Vitrinella
Pleuromalaxis balesi (Pilsbry and McGinty, 1945) Doc Bales' Vitrinella [Fig. 8]
Solariorbis blakei (Rehder, 1944) Blake's Vitrinella
Solariorbis infracarinatus Gabb, 1881 Gabb's Vitrinella
Teinostoma altum Pilsbry in Olsson and Harbison, 1953 High-spined Vitrinella
Teinostoma biscaynense Pilsbry and McGinty, 1945 Biscayne Vitrinella
Teinostoma coccolitoris Pilsbry and McGinty, 1945 Coconut Beach Vitrinella
Teinostoma cryptospira (A.E. Verrill, 1884) Hidden-spined Vitrinella
Teinostoma goniogyrus Pilsbry and McGinty, 1945 Angle-whorled Vitrinella
Teinostoma incertum Pilsbry and McGinty, 1945 Uncertain Vitrinella
Teinostoma lituspalmarum Pilsbry and McGinty, 1945 Palm Beach Vitrinella [3]
Teinostoma nesaeum Pilsbry and McGinty, 1945 Disputed Vitrinella [4]
Teinostoma obtectum Pilsbry and McGinty, 1945 Gloss Vitrinella [4]
Teinostoma parvicallum Pilsbry and McGinty, 1945 Small-callus Vitrinella
Vitrinella floridana Pilsbry and McGinty, 1946 Florida Vitrinella [5]
Caecum antillarum Carpenter, 1857 Antillean Caecum [Fig. 9]
Caecum bipartitum de Folin, 1870 Bipartite Caecum [Fig. 9]
Caecum cooperi S. Smith, 1860 Cooper's Caecum [Fig. 9]
Caecum gurgulio Carpenter, 1858 Windpipe Caecum [Fig. 9]
Caecum infimum de Folin, 1867 Striate Caecum [Figs. 9, 10]
Caecum multicoatum de Folin, 1867 Fine-line Caecum [Fig. 9]
Caecum pulchellum Stimpson, 1851 Beautiful Caecum [Fig. 9]
Meioceras nitidum (Stimpson, 1851) Little Horn Caecum [Fig. 9]
Strombus alatus Gmelin 1791 Florida Fighting Conch
Strombus costatus (Gmelin, 1791) Milk Conch
Hipponix subrufus (Lamarck, 1822) Orange Hoofsnail
Macromphalina palmititoris Pilsbry and McGinty, 1950 Palm Bch. Macromphaline
Bostrycapulus aculeatus (Gmelin, 1791) Spiny Slippersnail
Calyptroa centralis (Conrad, 1841) Circular Chinese Hat
Crepidula depressa Say, 1822 Depressed Slippersnail
Crepidula fornicata (Linnaeus, 1758) Common Atlantic Slippersnail
Crepidula maculosa (Conrad, 1846) Spotted Slippersnail
Crepidula ustulatulina Collin, 2002 Little Scorched Slippersnail
Xenophora conchyliophora (Born, 1780) American Carriersnail
Petalocochus varians (d'Orbigny, 1841) Variable Wormsnail
Simnialena uniplicata (G.B.Sowerby II 1849) One-tooth Simnia
Hesperato maugeriae (J.E. Gray, 1832) Green Erato
Niveria pediculus (Linnaeus, 1758) Coffeebean Trivia
Naticarius canrena (Linnaeus, 1758) Colorful Moonshell
Neverita delessertiana (Recluz, 1843) Delessert's Shark Eye
Neverita duplicata (Say, 1822) Shark Eye
Sinum maculatum (Say, 1831) Brown Baby Ear
Sinum perspicivum (Say, 1831) White Baby Ear
Tectonatica pusilla (Say, 1822) Miniature Moonshell
Semicassis granulata (Born, 1778) Scotch Bonnet
Ficus papyratia (Say, 1822) Atlantic Figsnail
Cymatium parthenopeum (von Salis, 1793) Giant Triton
Linatella caudata (Gmelin, 1791) Ringed Triton
Cerithiopsis academorum Rolán and Espinosa, 1996 Iota Miniature Cerith
Cerithiopsis flava (C.B. Adams, 1850) Yellow Miniature Cerith
Cerithiopsis fusiformis (C.B. Adams, 1850) Brown Miniature Cerith
Cerithiopsis gemmulosa (C.B. Adams, 1847) Gem Miniature Cerith
Retilaskya bicolor (C.B. Adams, 1845) Two-tone Cerithiopsis
Retilaskya emersonii (C.B. Adams, 1839) Emerson's Miniature Cerith
Seila adamsii (H.C. Lea, 1845) Adams' Cerithiopsis
Marshallora modesta (C.B. Adams, 1850) Modest Triphora
Epitonium cf. albidum (d'Orbigny, 1842) cf. Bladed Wentletrap
Epitonium angulatum (C.B. Adams, 1830) Angulate Wentletrap
Epitonium apiculatum (Dall, 1889) Semismooth Wentletrap
Epitonium candeanum (d'Orbigny, 1842) Candé's Wentletrap
Epitonium humphreysii (Kiener, 1834) Humphreys' Wentletrap
Epitonium leali García, 2011 Leal's Wentletrap [6] [Fig. 11]
Epitonium matthewsae Clench & Turner, 1952 Matthews' Wentletrap
Epitonium multistriatum (Say, 1826) Many-ribbed Wentletrap
Gyroscolia rupicola (Kurtz, 1860) Brown-band Wentletrap
Epitonium tollini Bartsch, 1938 Slender Wentletrap
Ersilia stancyki Warén, 1980 Brittlestar snail [Fig. 12]
Eulima bifasciata d'Orbigny, 1841 Two-band Eulima
Melanella bermudezi Pilsbry and Aguayo, 1933 Bermudez' Eulima
Melanella engonia (A.E. Verrill and Bush, 1900) Angulate Eulima
Melanella hypsela (A.E. Verrill and Bush, 1900) Sharp Eulima
Microeulima hemphillii (Dall, 1884) Brown Eulima
Calotrophon ostrearum (Conrad, 1846) Mauve-mouth Drill
Chicoreus florifer dilectus (A. Adams, 1855) Lace Murex
Chicoreus pomum (Gmelin, 1791) Apple Murex
Eupleura sulcidentata Dall, 1890 Sharp-rib Drill
Euplera tampaensis (Conrad, 1846) Tampa Drill
Favartia cellulosa (Conrad, 1846) Pitted Murex
Urosalpinx perrugata (Conrad, 1846) Gulf Oyster Drill
Vasum muricatum (Born, 1778) Caribbean Vase
Gemophos tinctus (Conrad, 1846) Tinted Cantharus
Hesperisternia multangulus (Philippi, 1848) Ribbed Cantharus
Busycon perversum sinistrum Hollister, 1958 Lightning Whelk
Busycotypus spiratus (Lamarck, 1816) Pear Whelk
Melongena corona (Gmelin, 1791) Crown Conch
Nassarius cf. albus (Say, 1826) White Nassa
Nassarius consensus (Ravenel, 1861) Striate Nassa
Nassarius vibex (Say, 1822) Bruised Nassa
Fasciolaria hunteria (G. Perry, 1811) Banded Tulip
Fasciolaria tulipa (Linnaeus, 1758) True Tulip
Triplofusus giganteus (Kiener, 1840) Horse Conch
Astyrus lunata (Say, 1826) Lunar Dovesnail
Costoanachis semiplicata (Stearns, 1873) Gulf Dovesnail
Costoanachis species [see Lee (2009: 1151; species no. 550)]
Parvanachis obesa (C.B. Adams, 1845) Fat Dovesnail
Parvanachis ostreicola (G.B. Sowerby III, 1882) Fat Dovesnail
Suturoglypta iontha (Ravenel, 1861) Lineate Dovesnail
Scaphella junonia (Lamarck, 1804) Junonia
Oliva sayana Ravenel, 1834 Lettered Olive
Olivella inusta G.B. Sowerby III, 1915 Half-burnt Dwarf Olive
Olivella perplexa Olsson, 1956 Dwarf Rice Olive
Olivella sp. aff. *prefloralia* Olsson and Harbison, 1953 Rice Olive [7]
Olivella pusilla (Marrat, 1871) Tiny Dwarf Olive

Gibberula species Snowflake Marginella [8]
Granulina hadria (Dall, 1889) Hadria Marginella
Dentimargo aureocinctus (Stearns, 1872) Gold-line Marginella
Marginella avenacea of authors [e.g., Kaicher, 1973: card 54] [9]
Prunum apicinum (Menke, 1828) Common Atlantic Marginella
Volvarina species [too immature for specific ID]
Mitromica foveata (G.B. Sowerby II, 1874) Beaded Thala
Cancellaria reticulata (Linnaeus, 1767) Nutmeg
Terebra dislocata (Say, 1822) Eastern Auger
Terebra vinosa Dall, 1889 Lilac Auger
Pilsbryspira leucocyma (Dall, 1884) White-knob Drillia
Agathotoma candidissima (C.B. Adams, 1845) Sugar Mangelia
Conus anabathrum Crosse, 1865 Florida Cone
Conus spurius Gmelin, 1791 Alphabet Cone
Conus stearnsii Conrad, 1869 Dusky Cone
Cryoturris dorvilliae (Reeve, 1845) Dorvill's Mangelia
Glyphoturris quadrata (Reeve, 1845) Square Glyph-turris
Kurtziella atrostyla (Tryon, 1884) Brown-tip Mangelia
Kurtziella limonitella (Dall, 1884) Punctate Mangelia
Nannodiella vespuciana (d'Orbigny, 1847) Vespucci's Dwarf-turris
Pyrgocythara plicosa (C.B. Adams, 1850) Plicate Mangelia
Stellatoma stellata (Stearns, 1872) Star Mangelia
Mathilda agria (Dall, 1889) Netted Mathilda
Graphis underwoodae Bartsch, 1947 Underwood's False-aclis [Fig. 14]
Ebala resticula (Dall, 1889) Rope Pyramid [10] [Fig. 13]
Henrya henryi Bartsch, 1947 Henry's False-aclis [Fig. 16]
Henrya morrisoni Bartsch, 1947 Morrison's False-aclis
Murchisonella bermudensis (Dall and Bartsch, 1911) Conical False-aclis
Careliopsis styliformis (Mørch, 1875) Needle Odostome [Fig. 15]
Chrysalida nioba (Dall and Bartsch, 1911) Niobe Odostome
Cyclostremella humilis Bush, 1897 False Cyclostreme
Eulimastoma canaliculatum (C.B. Adams, 1850) Channeled Odostome
Eulimastoma engonia (Bush, 1885) Needle Odostome
Eulimastoma weberi (Morrison, 1965) Weber's Odostome
Evalea stocki de Jong and Coomans, 1988 Stock's Odostome [11]
Fargoa buijsei (de Jong and Coomans, 1988) Buijse's Odostome
Menestho species [Redfern, 2001: species C; no. 601]
Odostomia acutidens Dall, 1884 Sharp-tooth Odostome

Odostomia laevigata (d'Orbigny, 1842) Milky Pyramid
Parthenina varia (Odé, 1993) Variable Odostome [12] [Fig. 17]
Peristichia toreta Dall, 1889 Tower Pyramid
Turbonilla (Chemnitzia) coomansi de Jong & Cooman, 1988 Needle Turbonille
Turbonilla (Chemnitzia) dalli Bush, 1899 Dall's Turbonille
Turbonilla (Chemnitzia) hemphilli Bush, 1899 Hemphill's Turbonille
Turbonilla (Chemnitzia) unilirata Bush, 1899 One-ridged Turbonille
Turbonilla (Chemnitzia) species 1 [see Lee (2009: 145; species no. 699)]
Turbonilla (Chemnitzia) species 2 [see Lee (2009: 145; species no. 700)]
Turbonilla (Pyrgiscus) caroliniana Holmes, 1859 Incised Turbonille [13]
Turbonilla (Pyrgiscus) stimpsoni Bush, 1899 Sharp Turbonille
Turbonilla (Pyrgiscus) textilis (Kurtz, 1860) Gridiron Turbonille
Turbonilla (Pyrgiscus) species 1 [see Lee (2009: 149; species no. 711)]
Turbonilla (Pyrgiscus) species 2 [see Lee (2009: 149; species no. 712)]
Turbonilla (Pyrgiscus) species 3 [cancellate]
Turbonilla (Strioturbonilla) ornata (d'Orbigny, 1840) Ornate Turbonille
Turbonilla (Strioturbonilla) puncta (C.B. Adams, 1850) Punctate Turbonille
Turbonilla (Trabecula) laxa (Dall and Bartsch, 1909) Lax Turbonille
Rictaxis punctostriatus (C.B. Adams, 1840) Pitted Baby-bubble
Acteocina atrata P.S. Mikkelsen and P.M. Mikkelsen, 1984 Black Barrel-bubble
Acteocina bidentata (d'Orbigny, 1841) Two-tooth Barrel-bubble
Acteocina canaliculata (Say, 1826) Channeled Barrel-bubble
Acteocina candei (d'Orbigny, 1841) Candé's Barrel-bubble
Acteocina lepta Woodring, 1928 Delicate Barrel-bubble
Tornatina inconspicua (Olsson and McGinty, 1958) Slender Barrel-bubble [14]
Volvulella minuta (Bush, 1885) Spined Spindle-bubble
Bulla occidentalis A. Adams, 1850 Western Striate Bubble
Atys sharpi Vanatta, 1901 Slender Glassy-bubble
Haminoea antillarum (d'Orbigny, 1841) Antilles Glassy Bubble
Haminoea elegans (Gray, 1825) Elegant Glassy-bubble
Haminoea succinea (Conrad, 1846) Amber Glassy Bubble
Doris kyolis (Ev. and Er. Marcus, 1967) or *D. bovena* Er. Marcus, 1955
Cerberilla tanna Ev. and Er. Marcus, 1960
Ellobium dominicense (Férussac, 1821) White Melampus
Melampus bidentatus Say, 1822 Eastern Melampus
Pedipes ovalis (C.B. Adams, 1849) Mimic Pedipes
Octopus joubini Robson, 1929 Atlantic Pigmy Octopus

Total species count: 341 species.

Collected by Amy as well as from drift samples (Harry): 88 species.

Collected only by Amy: 92 species.

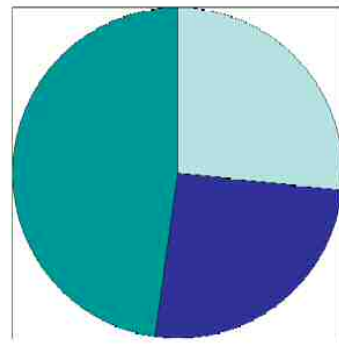
Collected only from drift samples (Harry): 163 species.

Total Amy: 180 species.

Total Harry: 251 species

See piechart [Fig. 3.]

[1] + *Erycina floridana* Vanatta, 1904 (pp. 758-759; fig. 2). Also figured in Perry (1940: 59-60; pl. 12, figs. 7a, 7b). + *Sportella (Fabella) pilsbryi* Dall, 1899 (884-885; pl. 88, fig. 9), based on a left valve only [probable]. The dentition of *Bornia (Ceratobornia)* Dall, 1899 [TS *B. longipes* Stimpson, 1855 OD] resembles that of *Fabella* Conrad, 1863 [TS *Amphidesma constricta* Conrad, 1841; Miocene: USA, NC] as depicted in Olsson and Harbison (1953: 92-94; pl. 9, figs. 2, 2a) than it does *Bornia* Philippi 1836 [TS *Kellia (Bornia) corbuloides* Philippi 1836 (= *K. sebetia* O.G. Costa, 1829 SD Stoliczka, 1871); Recent: Mediterranean]. [2] A 1.5 mm specimen from the drift closely resembles the type figure of *Aorotrema erraticum* Pilsbry and McGinty 1945 (p. 11; pl. 2, fig. 6), a synonym. [3] + *Teinostoma carinicalis* Pilsbry and McGinty, 1946. [4] Neither is a synonym of *T. biscaynense* as concluded by Moore (1964) and adopted by authors. [5] Examination of these two shells under 20 and 40X reveals faint regular beaded spirals covering the base of an immature (1.2 mm in greatest diameter) shell. An apparently mature 1.5 mm shell lacks this sculpture. There is no mention of this feature in the literature dealing with this species. [6] This species differs from *E. championi*, with which it was previously identified, by its more rounded ribs, deeper suture, more elaborate microsculpture, and, generally, a more slender shell. It is depicted on the Bailey-Matthews Shell Museum (BMSM) website at <http://shellmuseum.org/shells/shelldetails.cfm?id=65>. [7] This very common species is treated in some detail by Lee (2009: 119; species no. 565; color plate 15). [8] Traditionally identified with *Gibberula lavalleana* (d'Orbigny, 1842: 101-102; pl. 20, fig. 36-38), but that author characterized the labrum as "lisse" (smooth). All of our shells have denticles on the remarkably straight outer lip like *Gibberula* sp. D (Redfern, 2001: no. 471) yet differ in having the two anterior columellar plicae nearly parallel. Shells from Duval, St. Johns, Brevard, Pinellas, Citrus, Levy, Gulf, and Bay Cos. seem identical (Lee, 2009: 119; species no. 567). [9] This is a familiar west Florida species, or species complex. Despite its relative abundance and frequent mention in the literature, I have been unable to find an available name for it. Deshayes and Milne Edwards (1844: 454) employed the misspelling "*Marginella avenacea*" with the description of *M. avena* Kiener, 1834, which does not constitute a nomenclatorial act. The rather consistent application of this binomen, in various marginellid genera, to the species (group) under discussion is incorrect on both nomenclatorial and taxonomic grounds. [10] An ebalid, not a pyramidellid as classified by Turgeon, Quinn, et al. (1998: 114). [11] Odé (1994a, b) placed the closely-related *Pyramidella bartschi* Winkley, 1909, *Odostomia pochontasae* Henderson and Bartsch, 1914, and *O. virginica* Henderson and Bartsch, 1914 in *Eulimastoma* and indicated that *Evalea* was not a proper assignment for this group of species. Described from the ABC Is., but reported from NE Florida (Lee, 2009: 140; species no. 678) and Sanibel Is. (Gundersen, 1998; as *Amoura hendersoni* non (Bartsch, 1909). [12] Originally proposed as *Besla varia* Corgan (1967: 243-246; plate 10, figs. 1-4). Although the description is quite thorough and the figures well-executed, the name is not available under the provisions of the Code (ICZN, 1999: Articles.1-8.4; 9.4) as this work is a doctoral dissertation. Odé (1993: 23-24; fig. p. 30) attributed the name to Corgan, but in actuality validated it and is thus credited with its authorship. Also in SE Florida (Lee Collection: Palm Beach and St. Lucie Cos.). [13] + *Turbonilla virga* Dall, 1884; + *T. incisa* Bush, 1899. See Lee (2009: 146; species no. 703) for discussion of synonymy, etc. [14] As long as this taxon remains in *Tornatina*, it falls into secondary junior homonymy with *T. inconspicua* H. Adams, 1872, from the Indian Ocean.



- Amy
- Both
- Harry

3.



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2012 ANNUAL BROWARD SHELL CLUB AUCTION LIST

(PUBLISHED AS RECEIVED)

(Complete list with common names available upon request)

Wednesday, March 14, 2012 Outside bids accepted. Contact Nancy Galdo nancygaldo@gmail.com 305-467-4412

- 1.) "Collectors Whiskey Bottle Lamp" "Beam Bourbon 1968
- 2.) A pair of Spondylus barbatus w/data Philippines (Phil.I)
- 3.) Fusinus undatus w/data No operc about 208 mm Phil.I
- 4.) Black-Edged Pearl Oyster ½" (Pinctada margaritifera) with cultured blister pearls polished
- 5.) Pinkish-Red-Shell Motif Salt & Pepper Disp. (Mucha)
- 6.) A pair of Busycon perversum sinistrum w/data Florida
- 7.) Neverita albumen w/data No operc Thailand
- 8.) Cymatium vestitum w/data w/operc West Panama
- 9.) Argobuccinum pustulosum variation ranelli forme w/data Chile "Ranella form of the Argus Triton"
- 10.) Northia northia w/data No operc Peru "North's Shell"
- 11.) Ennis macha w/data Argentina "Macha Jackknife Clam"
- 12.) Volachlamys tranquebarica w/data India Scallop
- 13.) Oliva sayana forma citrine w/data Florida "Golden"
- 14.) 3 Patella longicosta w/data South Africa
- 15.) A pair of Perscula cingulate w/data West Africa
- 16.) Phalium glaucum w/data No operc Large Vietnam
- 17.) Phalium bandatum w/data No operc Philippines Large
- 18.) Ranella gemmifera w/data w/operc South Africa
- 19.) Cypraea (Macrocypraea) cervus w/data 106.4mm Florida
- 20.) Strombus costatus "Dwarf" w/data w/operc Puerto Rico "Milk Conch"
- 21.) Land snail Pleurdonte lucerna w/data Jamaica
- 22.) Odontocymbiola cleryana w/data Brazil
- 23.) A pair of Cancellaria reticulate w/data one typical color form one albinistic Florida "Common Nutmeg Shell"
- 24.) Murexiella hilli w/data w/operc Aruba
- 25.) 3 Favartia pacei w/data 2 w/opercs 1 wo/operc Florida
- 26.) Trivia pacei "Topotype" w/data South Bimini
- 27.) A pair of Engina corinnae w/data No opercs Florida
- 28.) 3 Conus sahlbergi 2nds w/data No opercs Bahamas
- 29.) A pair of Morum strombiformis w/data No Operc Roatan, Honduras "Strombus-like Morum"
- 30.) Cymatium muricinum a pair w/data w/opercs Florida
- 31.) A pair of Conus glans w/data No opercs Australia
- 32.) Antephalium semigranosum w/data No operc Australia
- 33.) Marginella strigata forms unicolor w/data Burma
- 34.) Marginella elegans w/data Burma "Elegant Marginella"
- 35.) A pair of Calpurmus verrucosus w/data Australia
- 36.) Oliva mantichora 2 specimens w/data Philippines L
- 37.) Yria boholensis w/data No operc Philippines
- 38.) Vexillum regina w/data Burma "Queen Miter"
- 39.) Cypraea Teuleri w/data Oman "Teuler's Cowrie"
- 40.) A pair of Cypraea cribraria w/data Philippines
- 41.) Tellina prora w/data West Panama "Panamic Tellina"
- 42.) A pair of Olivancillaria auricularis w/data Brazil
- 43.) A pair of Bullata analyciae w/data Brazil
- 44.) Land Snail Calocochlia chrysochila w/data Philippines
- 45.) Land Snail Calocochlia festiva w/data Philippines "Philippine Land Sanil or Philippine Festive Land Snail"
- 46.) 3 Specimens of Melongena melongena nana w/data Bonaire "Nana's Melongena or Bonaire's Melongena"
- 47.) Chlamys senatorius w/data 62.1mm Philippines
- 48.) Land Snail Tropidophora deburohiaie w/data Madagascar "DeBurohi's Land Snail"
- 49.) Land Snail Asperitas everetti w/data Indonesia
- 50.) Conus aureus w/data No operc Guam "Aureus Cone"
- 51.) A pair of "Corded" Oliva sayana w/data Florida
- 52.) (2) Turbo saxosus w/data w/operc's West Panama
- 53.) Haliotis ovina w/data Australia "Oval Abalone"
- 54.) A pair of Trophon geversianus (one typical one variation=variane) w/data w/operc's Argentina
- 55.) Cypraea (zoila) friendii Large about 80mm w/data Australia "Friendis's Cowrie"
- 56.) Cypraea mauritiana w/data Mauritius
- 57.) Conus capitaneus w/data No operc Madagascar
- 58.) 2 Forms + one subspecies of Cancellaria reticulate FL w/data: Typical Form, Albino, C. R. subspecies Adelae
- 59.) A pair of Turbo argyrostomus w/basic data Mauritius No operc's "Silver-Mouth Turban"
- 60.) Cymbiola (auliciana) innexa w/data Indonesia
- 61.) A pair of Oliva pacifica w/data Thailand "Pacific Olive"
- 62.) A pair of Conus cedonulli dominicanus w/data No operc's Union island, Grenadines
- 63.) A pair of Cypraea edentula w/data South Africa
- 64.) Men's shell print dress shirt X Large
- 65.) Men's "Hawaiian" dress shirt Large
- 66.) Men's bathing suit set shirt and pants X Large
- 67.) 4 Shells Growth Series of Terebra dimidiata w/data No operc's Philippines "Dimidiata Auger"
- 68.) A pair of Terebra areolata w/data No operc's Phil. I
- 69.) Gold Plate "Sand Dollar" Necklace
- 70.) Land Snails: 3 specimens of Orthalicus undatus w/data Union Island, Grenadines "Caribbean Tree Snail"
- 71.) Land Snails: 3 specimens of Polydotes perplexa w/data Union island, Grenadines
- 72.) A pair of Amalda rubiginosa w/data China
- 73.) 4 Shells Growth Series of Conus circumcises w/data No operc's Philippines "Circumcised cone"

- 74.) Conus circumcises "Light Color Form" w/data No operc 66.2mm Philippines "Circumcised Cone"
- 75.) Conus circumcises "Dark Color Form" w/data No operc 70.6mm Philippines "Circumcised Cone"
- 76.) Cypraea cervus w/data 85mm Florida "Deer Cowrie"
- 77.) Conus cedonulli dominicanus w/data w/operc 39.8mm Union Island, Grenadines
- 78.) A pair of Cardita incrassata w/data Australia
- 79.) (4) Color Set of Volachlamys tranquebaria w/data India
- 80.) Haliotis ovina w/data 68.8mm Australia "Oval Abalone"
- 81.) Fusinus timesus w/data w/operc Florida
- 82.) Chiton tonnicella lineata w/data Washington State
- 83.) Land Snail: Calocochila cryptica w/data Philippines
- 84.) Cypraea cribraria w/data about 31mm Philippines
- 85.) Cypraea coloba greegori w/data 19.8mm Burma
- 86.) Cypraea coloba greegori w/data 20.5mm Thailand
- 87.) A pair of Cypraea ocellata w/data India
- 88.) Cypraea stercoraria "Dwarf" w/data 39mm West Africa
- 89.) A pair of Cypraea pyrum w/data Sicily "Purum Cowrie"
- 90.) Cypraea teuleri w/data Oman "Teuler's Cowrie"
- 91.) A pair of Cypraea talpa w/data Philippines
- 92.) A pair of Cypraea pulchella w/data China
- 93.) Cypraea camelopardalis w/data Egypt "Camelo Cowrie"
- 94.) 3 specimens of Chicoreus dunni w/data No operc's Bahamas "Dunn's Murex"
- 95.) "A 4 Shells Growth Series" of Cancellaria reticulata subspecies adela w/data Florida "Adel's Nutmeg"
- 96.) Lima lima w/data Large 98mm Philippines "Spiny Lima"
- 97.) Land Snail: Megalobulimus sanctipauli w/data Argentina "Sanctipaul Large Land Snail"
- 98.) Pterynotus acanthopterus w/data w/operc Australia
- 99.) Pteropurpura trialata w/data No operc California
- 100.) Pleurotomaria hirasei w/data w/operc Taiwan
- 101.) Conus delessertii w/data w/operc 69.8mm Florida
- 102.) Land Snail: Asperitas trochus bombangensis w/data 3 specimens Indonesia "Indonesian Land Snail"
- 103.) Bursa (bufonaria) thersites w/data w/operc Philippines
- 104.) Strombus listeria w/data No operc about 120mm Burma
- 105.) Cypraea mappa w/data Philippines "Map Cowrie"
- 106.) Cypraea argus w/data 91.8mm Philippines
- 107.) Vokesimurex cabritti w/data No operc Florida
- 108.) Vokesimures lindajoyceae w/data No operc Florida
- 109.) A pair of Cypraea maculifera w/data Hawaii
- 110.) Cypraea schilderiana w/data 117mm Hawaii
- 111.) A pair (color set) of Cymbiola vesperilio w/data Phil. I
- 112.) World Wide Calliostoma collection all w/data 26 species, 27 specimens 17 w/operc's
- 113.) A pair of Amiantis purpurata w/data Argentina
- 114.) A pair of "Dwarf" Cypraea annulus w/data Philippines
- 115.) 5 Shell Pins: 1.) COA Grand Trophy Winners Pin 2.) DuPont Trophy Winners Pin 3.) 2003 Jamboree Pin 4.) 2001 COA convention Pin 5.) Sarasota Shell Club Pin
- 116.) Painting: Voluta (amoria) grayi Framed "Gram's Volute"
- 117.) Broward Shell Club News Letters" June 1970 Nov.1987
- 118.) Antique Oil Lamp w/Shell Motif
- 119.) "Ballast Stone" from the wreck of "Urca de Lima"
- 120.) "A Blue (Shell "Cockle" Motif) Flower Vase
- 121.) Hand Fused "Vinci" Glass "Horn of Plenty" Shap
- 122.) Fissurella latimarginata w/data Chile (also known as Fassurella nigra Lesson, 1830 "Black Keyhole Limpet"
- 123.) Argopecten purpuratus w/data Chile "Purplish Scallop"
- 124.) Land Snail: A pair of Liguus fasciatus forma walker w/data P.C. Ham. #4 Florida
- 125.) Land Snail: Liguus fasciatus forma lossmanicus w/data P.C. Ham. #11 Florida
- 126.) Land Snail: Liguus fasciatus forma vonpaulseni "Topotype" w/data Middle Torch Key, FL
- 127.) Land Snail: Liguus fasciatus forma pictus "Topotype w/data Big Pine Key, Florida
- 128.) Land Snail: Liguus fasciatus forma dohertyi "Topotype" W/data Lower Matecumbe, FL
- 129.) Land Snail: Liguus fasciatus forma graphicus w/data Little Pine Key, Florida
- 130.) Land Snail: Liguus fasciatus forma lignumvitae "Topotype" w/data Lignumvitae Key, FL
- 131.) A pair of Voluta musica forma guinaica w/data No operc's Margarita island, Venezuela
- 132.) Harpa articularis w/data Philippines
- 133.) Chicoreus florifer florifer w/data w/operc Bahamas
- 134.) Spondylus linguaefelis w/data (Orange Color) Hawaii
- 135.) Shell and Drift Wood Mobile
- 136.) Chicoreus (siratus) alabaster with basic data No Operc Taiwan "Large White Murex" or "Alabaster Murex"
- 137.) Chicoreus (siratus) alabaster with basic data w/operc Taiwan "Large White Murex" or "Alabaster Murex"
- 138.) Wooden Sea Gull Carving
- 139.) Large Pottery Chard Indian w/data Florida
- 140.) 3 Pieces of Indian Pottery Chards w/data Florida
- 141.) 4 Pieces of Indian Pottery Chards w/data Florida
- 142.) Broward Shell Club News Letters Jan. 1980 to Dec. 1988
- 143.) Book: A Manual of the Common Invertebrate by Henry Sherring Pratt, Ph.D. 1935 This book was a "survivor" from the old "Burry Museum" fire
- 144.) Signed & Numbered Shell Print by Rudy Magnotte Art
- 145.) Signed & Numbered Shell Print by Rudy Magnotte Art
- 146.) 4 Specimens of Oliva carneola w/data Philippines
- 147.) A pair Chicoreus (siratus) articulatus w/data w/operc's Dominican Republic "Antillean Murex"
- 148.) Voluta (harpulina) loroisi w/data India
- 149.) Voluta (amoria) undulate w/data Australia
- 150.) Cypraea (palmadusta) humphreysi w/data Tonga
- 151.) Cypraea (mauritica) mauritiana w/basic data Indo-Pacific "Hump-Back Cowrie
- 152.) Voluta (amoria) elliotti w/data Australia
- 153.) Voluta (amoria) zebra Dark Color Form w/data Australia "Zebra Volute"
- 154.) Voluta (lyria) mitrae formis basic data w/operc Australia
- 155.) Voluta (lyria) delessertiana w/data Madagascar

- 156.) Murex (chicoreus) ramosus basic data Philippines
- 157.) Charonia variegata basic data No operc Chipped Lip Caribbean "Triton's Trumpet"
- 158.) "Sea Shell & Sea Horse Motif" Tea/Coffee Pitcher Blue, Pink & Yellow Color
- 159.) Cassis madagascariensis w/basic data No operc Florida/Caribbean "Queen Helmet"
- 160.) Charonia variegata w/basic data w/operc Florida/Caribbean "Triton Trumpet"
- 161.) Book/Magazine: "the National Geographic Magazine" July, 1949 Article: "Shell Take You over World Horizons" 1949, by Rutherford Platt with 16 Illust.; 41 Color Photos
- 162.) Book: "Illustrated Catalogue of Latiaxis and Its Related Groups "Family Coralliophilidae" by Sadao Kosuqe and Masaji Suzuki, 1985
- 163.) Book: (Soft Bound) "The World's Most Beautiful Sea Shells" by (text by) Len Hill (photos P. Carmichael, 1995
- 164.) Painting "Tibia" Print Copy No. #236 of 250 by Lee Cattaguoni
- 165.) Painting "Trumpet Triton" Print Copy No. #247 of 250 by Lee Cattaguoni
- 166.) White Ceramic Shell Motif Napkin Rings Set of 4
- 167.) "Gold Scallop Shell Motif" Pierced Earrings or Stick Pins
- 168.) Sterling Silver "Scallop Shell Motif" Hanging Pierced Earrings
- 169.) Book: "conchs, Tibias and Harps" by J. G. Walls, 1980
- 170.) Painting: "Tern Flying over Water" By Ted Kalafut
- 171.) A complete set of "Conchological Iconography Pectinidae #1 & #2 Raines & Poppe 2006
- 172.) Book: "Australian Shells" by Joyce Allan, 1950 Repr1962
- 173.) Book: "Shells of the Western Pacific in Color" Vol. #1 by Tetsuaki Kira 7965
- 174.) Book: "Shells of the Western Pacific in Color" Vol. #2 by Dr. Tadashige Habe 1968
- 175.) Book: "Shells of New Guinea and the Central Indo-Pacific by Alan Hinton 1972
- 176.) Book: "..... Spondylus" by Kevin Lamprell 1987
- 177.) Book: "Olive Shells of the World" by Rowland F. Zeigler & Humbert C. Porreca 1969
- 178.) Book: "Compendium of Seashells" by Tucker Abbott & S. Peter Dance 1982 Second Printing 1983
- 179.) Book: "Rare Shells of Taiwan in Color" by T. C. Lan 1979
- 180.) Book: "The Living Volutes" by Clifton S. Weaver & John E. DuPont 1970
- 181.) Book: "The Collection Encyclopedia of Shells" Dance 1974
- 182.) Book: "Shells of the Philippines" by F. J. Springsteen & F.M. Leobrera 1986
- 183.) Book: "Sea Shells of Tropical West America" 2nd Edition by A. Myra Keen 1958 2nd Edition 1971
- 184.) Book: "Murex Shells of the World" by George e. Radwin & Anthony D'Attilio 1976
- 185.) Two Thro-Pillows for Couch....Shell Pattern
- 186.) Book/Magazines: "Of Sea and Shore 6 issues 1973-1975
- 187.) Book/Magazines: "Of Sea and Shore 8 issues 1975-1977
- 188.) Book/Magazines: "Of Sea and Shore 6 issues 1977-1979
- 189.) Book/Magazines: "Of Sea and shore 7 issues 1979-1983
- 190.) A miniature Fossil Shell Collection from Florida 37 species w/some data
- 191.) Book: "Cone Shells" by Jerry G. Walls 1970
- 192.) Fairly Large Piece of "Blue Coral"
- 193.) "Fossils in Matrix" from France = One Carrier Shell Species; one Natica species & two Turritella terebraus
- 194.) "Fossils in Matrix" from France = three Turritella terebraus and a pecten half (top valve)
- 195.) 8 Shell and Sea Star Motif Glass Coasters
- 196.) Book: "Cowries" Second Edition Rev. by JG. Walls 1979
- 197.) Book: "Cone Shells of the Word" by Marsh & Rippingale 3rd Edition 1974
- 198.) Book: "Cowries of the World" By C.M. Burgess, 1985
- 199.) Book: "The Living Cowries" by C.M. Burgess, M.D. 1970
- 200.) 9 Species of World Wide Miters No data Worldwide
- 201.) Astrea tuber w/data w/operc Florida
- 202.) 2 Liguus fasciatus forma castaneoazonatus w/data Flor.
- 203.) Sterling Silver "Scallop Shell" Motif Hanging Pierced Earrings
- 204.) Sterling Silver "Dolphin Jumping" Motif hanging Pierced Earrings
- 205.) Conus textile w/basic data No operc Philippines
- 206.) Cypraea zebra w/basic data Florida "Zebra Cone"
- 207.) Extra digit "Sugar Sea Star"
- 208.) 6 "Sugar Sea Stars" with extra digits + 1 w/one less digit
- 209.) "Wall Hanging Metal Basket Holding Day Planner, Address Book, Note Paper, Envelopes, Pen" Shell Motif
- 210.) Large Black Wooden Stand for Large Shell
- 211.) Large Black Wooden Stand for Large Shell