



The Beauí

Newsletter of the Sarasota Shell Club

www.Sarasotashellclub.com

Meetings 2nd Thursdays, September-April at Fire Station #2, 2070 Waldemere St Sarasota.

This Month's Program

The guest speaker for the October meeting is Megan Ehlers. Ms Ehlers is a Marine Biologist from Sarasota High School who also guides the Sarasota County School children on the Carefree Learner trips. Please give her a warm welcome.

Artisans

by Donna Cassin



The artisans are in need of small, very good, clean beach shells for the give-away bags at the shell show. Please bring these to shell show meeting and

give them to Donna Cassin. Thanks

The artisans would also like any old, broken or unwanted jewelry. This is used in some of the shell art that we create. Thanks again.

The artisans began displaying their shell art creations at a restaurant called the "Recipe Box" in September and we have been extended until the end of October.

Our work has been well received and so far we have sold about \$500 of items for the club. Please consider patronizing the restaurant located at 5207 33rd Street East in Bradenton. This is located in the shopping center behind the McDonald's at 33rd St. East and S.R. 70. They are open 7 days a week for Breakfast and Lunch.

Starting October 11th they will also be open for dinner.

Next meeting
Thursday, October 13
at 7:00 pm.

Refreshments are served at each meeting. Bring your own beverage!

Some members will have shells for sale at the meeting.

Program: Megan Ehlers
Carefree Learner, SHS
www.Sarasotashellclub.com

Videos Online

Snake Caught by a Snail!

If you follow the following link to the website iNaturalist, there is an interesting shot of a Northern Watersnake (Nerodia sipedon) that was found thrashing around by the water, with its head trapped by a Chinese Mystery Snail.

It is assumed the snake bit the snail's body while the snail was active under water, and then the snail retracted its body into its shell, and attempted to close its operculum all the way, trapping the snake's head and leaving its lower jaw stretched out under the shell.

<http://www.inaturalist.org/photos/4113025>



Field Trips, Etc

Sally Peppitoni

Trips must be paid for by check made out to Sarasota Shell Club. I will **always** send out an e-mail of pertinent information before

the trip goes.

Dec. 16 – Carefree Learner, the boat will leave the dock about 8 am. Low tide is 9:04 am at -.6 ft.

Jan. 12 – Carefree Learner, the boat will leave the dock about 6:15 am. Low tide is 7:12 am at -.8 ft.

Jan. 27 – Carefree Learner, the boat will leave the dock about 6:15 am. Low tide is 7:15 am at -.6 ft.

March 18 – Fossil trip, more info to come later.

More information about field trips will be available at the October meeting



Historian

Duane Kauffmann

50 Years Ago in Sept.

. Sixteen members attended the October 13, 1966 meeting of the Sarasota Shell Club.

A member of the Audubon Society gave “an interesting talk touching on the relation between shells and birds.” The presentation included comments about the harmful effects of DDT. Club members were invited to join the effort to eliminate the pesticide.

A phone tree was created to facilitate getting information to Club members.

The meeting concluded with a discussion of the upcoming Christmas party, followed by a raffle of shells.

25 Years Ago

The treasurer’s report indicating a balance of \$3288.04. Routine business was conducted.

“Our ‘Woman of Many Hats,’ Peggy announced a field trip for City Island.”

Program was by Bill Berger on the uses of “*Busycon contrarium*” by Native Americans.

Librarian

Linda Greiner



Our SSC Library is at the Bee Ridge Presbyterian Church in Sarasota.

You can view a list of our great books on our website www.sarasotashellclub.com. For more info on some of them go to www.mdm.com.

It would be great to have you join me to browse our library. I can also bring a book to our club meetings. You may want a book to help you with your exhibit at our SSC Shell Show or just educate yourself about shells and marine life. We even have “How to Prepare Molluscs for Eating” and some shellcraft books.

Call me at 941-993-5161 or email me at luvseashells@gmail.com and we can talk about our exciting SSC library books !

Shell Show

Our 54th annual Sarasota Shell Show will be held February 3-5, 2017 at the Bradenton Area Convention Center. Please clear your calendars for this event and consider donating time to keep this show running. Lots of help is needed and closer to the time we will have sign-up sheets with the needed volunteer slots. Thanks.

The Artistic and Scientific entry forms and categories are posted on the website. If you will be entering an exhibit please carefully read the rules of the show so that there are no disqualifications. It’s sad when so much work and effort goes into an exhibit and then it is disqualified because the rules were not followed. The category lists greatly help you consider where your exhibit should be entered.

Let’s make this our best show ever...with the least problems!

Rhyme for Shell Collectors

By Peg Newman

Here's to the sunburn, the sprain in your back,
The windburn, the chill, the weight in your sack,
And bottles and bags, the unpackable gear,
Strapped 'round you and playfully banging your rear.
Here's to the barnacle gash and the bruise,
The salt in your eyes, and the sand in your shoes,
Here's to the stink in the kitchen at night,
The cleaning and scrubbing and sorting out right
The searching through tomes 'til your eyes dull with strain
For the needed, elusive, unspellable name.
Here's to the polishing, boxing, arranging,
Consulting, re-sorting, renaming, and changing;
Yes, here's to the weariness, bruises and cuts,
But most of all – here's to you wonderful nuts
Who go on collecting, foul weather or fair,
Not minding at all, with a glassy-eyed stare,
For the sane in this world who look on in surprise
And miss all the grief, and the fun, and the prize.

A Nice Donation

Over the summer the SSC was gifted a large donation of self-collected beach shells and miscellaneous artistic supplies from a long-ago former member of the club named Ronne Rose. The artisans picked up the items and sorted them. It was a huge undertaking highlighted by terrific teamwork and cooperation. The shells were dispersed to Duane Kauffmann for the "Club Table" at the shell show. Some of the other items were

purchased by artisans and the proceeds given to the club. Some things needed to be discarded and some were incorporated into the artisan's supplies. A big effort by our members to benefit the club.

Fossilfest

Ron Bopp

Saturday, October 1, 2016 was the day that the South Florida Museum hosted the annual Fossilfest. Co-secretary Ron Bopp represented the Sarasota Shell Club with a membership table as well as his 12-case display of Miocene (Chipola and Jackson Bluff) fossils. Several fossil authorities were present including Gary Schmelz and Roger Portell, both of whom have led fossil trips for the club.



Gary and Ron at Fossilfest



Ron's display at Fossilfest

A Snail That Moves Like a Flying Insect

By James Gorman

New York Times

Sciencetake Feb. 22, 2016

Most of the tiny creatures in the sea, collectively called zooplankton, move themselves along by using their limbs to paddle. But the sea butterfly, a marine snail the size of a peppercorn, has long appeared to use winglike appendages to fly through the water.

After a detailed study of the snail, researchers at Georgia Tech reported Wednesday in The [Journal of Experimental Biology](#) that the sea butterfly flaps its wings the same way a fruit fly does, in a figure eight pattern that provides lift in the water in the way the wings of tiny insects do in air.

They saw for the first time vortexes around the tips of the wings that insect research had not been able to detect, according to David W. Murphy, the first author on the paper. Dr. Murphy, now a

researcher at Johns Hopkins, said the sea butterfly's motion was easier to see because insects flap their wings hundreds of times a second, while the sea butterfly has four to five wing beats a second.

Dr. Murphy built the apparatus used to study the sea butterfly for his doctoral thesis. The snail was one of many creatures used to test it, all "little one- to five-millimeter zooplankton," he said.

The experimental setup included four high-speed cameras and two infrared lasers trained on a tank of seawater to

illuminate a cubic volume less than an inch on a side. Dr. Murphy seeded the water in the tank with light reflecting particles less than three thousandths of an inch in diameter. It was the swirling patterns of those particles during the sea butterfly's watery flight that showed how the wings generated lift.

Dr. Murphy said that to produce the figure eight wing paths so similar to those traced by insect wings, the snail rotated its body in a way the researchers hadn't seen before. They called it hyperpitching.

Otherwise, the snail used a motion called clap and fling, just like a fruit fly. It may seem surprising that the motion would work in air and in water, but both are fluids and obey similar physical laws. Water is more viscous, but the snail is larger than a

tiny insect like a fruit fly. In technical terms, one in the air and the other in water have the same Reynolds number, a ratio of momentum to viscosity.

The hyperpitching might be something for designers of flying microrobots to consider. Apart



from practical value, the study, like others in the field of fluid dynamics, produced stunning images. And it confirmed that the tiny snail's name was entirely fitting. "The sea butterfly is basically an honorary insect," Dr. Murphy said.

To watch a great video of sea butterflies swimming go to: <http://www.nytimes.com/video/science/100000004222105/flight-of-the-sea-snail.html?action=click&contentCollection=science&module=lede®ion=caption&pgtype=article>

(copy and paste this URL)

**A fluffy mammal? A furry tail?
Believe it or not, this is a mollusc!**



Posted by Anatomy to You on April 14, 2016

Image courtesy of Elena Gerasimova.

Well, this certainly isn't the image that springs to mind when you think of molluscs – but the more recognizable snails, oysters and octopus only represent three out of the eight living groups. This beautiful creature is a solenogastre, one of the two vermiform (worm-like) molluscan groups.

Solenogastres are found in oceans across the world, from depths ranging from about 30 meters down to the abyssal. They have a long, slender body covered in a chitinous cuticle, bearing the thousands of spicules which give the glossy, furry appearance seen here. Beneath the fuzz, solenogastres have a small foot, like a snail's, tucked away in a groove on their ventral ('belly') side. They too produce mucus to help them glide across sandy surfaces, in search of their cnidarian prey. They have no eyes, and arguably, not even a head, giving them an almost tribble-like appearance!

Board Members

Sally Peppitoni	President
Nancy Marini	Vice President
Bruce Paulsen	Treasurer
Jeanne Corbin	Recording Sec'y
Peggy Williams	Corresponding Sec'y

Board: Donna Krusenoski-1, Roseanne Roble-1, Joanne Mancuso 2, Donna Cassin-2, Harry Berryman-3, Karen Paulsen-3

Committee Chairmen

Artisans:	Nancy Marini
Beauti:	Peggy Williams 355-2291
Historian:	Duane Kauffmann
Field Trips:	Sally Peppitoni
Librarian:	Linda Greiner 993-5161
Membership:	Mary Jo Bopp
Shell Show:	Board
Sunshine:	Karen Ciffin
Webmaster	Bruce Paulsen

Calendar

Oct 13	Club meeting
Nov 10	Club meeting
Dec. 16	Carefree Learner 8 am.
Jan. 12	Carefree Learner 6:15
Jan 12	Club meeting
Jan 14-15	Broward Shell Show
Jan 21-22	Astronaut Trail Show
Jan. 27	Carefree Learner 6:15
Feb 3-5	Sarasota Shell Show
Feb 25-26	St Pete Shell Show
Mar 2-4	Sanibel Shell Show
Mar 9	Club meeting
Mar 18	Fossil field trip

More info on Events call Peggy

To Find Sarasota Tides

<http://tbone.biol.sc.edu/tide/tideshow.cgi?site=Sarasota%2C+Sarasota+Bay%2C+Florida+%282%29> Site will show the week's tides. Go to prediction options below for one-month calendar. Choose options: Suppress, Suppress, Show, Show; Start at desired year & month. Choose hour format, show day.

Meetings on the

second Thursday of Sept through April at 7:00 p.m., at Waldemere Fire Station, 2070 Waldemere St. in Sarasota. Park in small lot on the right or in nursing home lot across the street.



Dues: New Single Members \$21.50 New Family Members (2+ at same address) \$33.00.

Renewals: \$15.00 for Single, \$20.00 for Family (2+ at same address).

If you want your newsletter printed and mailed add \$15.00.

Sarasota Shell Club

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