

Tidelines

March 2018

St. Petersburg Shell Club, Inc.

Web site: stpeteshellclub.org

Shell Club meetings are held on the first Friday of the month, except June, July and August, at the **Seminole Recreation Center, 9100 113th Street North, Seminole**. The doors open at 6:30p.m. and the meetings start at 7:00 p.m. The public is always invited.



Leaf-Veined slug

photo posted by Kurt Auffenberg on Facebook 12-27-2017. Came from iNaturalist.org November 18 post. Our Observation of the Day is this *Athoracophorus bitentaculatus* leaf-veined slug. Seen in New Zealand by vegestoc!

www.inaturalist.org/observations/8819700

No article just a cool picture.

Was pictured on a stamp from New Zealand Oct 1, 1997



A MESSAGE FROM THE DESK OF YOUR PRESIDENT

Well now, our 71st Shell Show has come and gone. We had some outstanding exhibits with some top awards being given out by our judges, Dr. Jose Leal and Steve Geiger. Sharlene Totten judged our artistic displays. Thank you all for participating in this year's show. Thanks also to the members who helped out during the set up and during the show through the take down process. Here's to next year's show!

Just because our show is over with, doesn't mean there aren't anymore shell events. The Sanibel Shell Fair is this Thursday through Saturday. You should check out this wonderful event. The Tampa Bay Fossil Club is hosting its annual Fossil Fest at the Florida State Fairgrounds in Tampa Mar10th and 11th. This is the largest fossil event in Florida.

Come hear about Cephalopods at our March meeting. You'll learn about the different types swimming in the world's oceans. In April we'll be having a Garage Sale where you can sell your unneeded items from your collection. Tables are only \$3. Just let us know if you are interested.

The Vulcan fossil trip Apr 14th offers an opportunity to collect fossil echinoderms such as sea biscuits, sand dollars, and sea urchins. Come join us!

Happy shelling and safe travels to you all.

John

Club Officers and Committees

President John Jacobs; Vice President Robert Gould; Recording Secretary Toni Tredway & Sandy Boddy; Treasurer Tamara Hein; Newsletter Editor Cheryl Jacobs; Directors at Large: Peggy Dill, Marilyn Wall, Jane McKinney, Otis Taylor; COA Representative John Jacobs; Refreshments Bob Holzworth; Photographer John Jacobs; Field Trips Entire Board; Corresponding Secretary open, Shell Show Cheryl Jacobs; Annual Picnic the Board; Raffle/Door Prizes Cheryl Jacobs & Peggy Dill; Facebook Cheryl Jacobs; Webmaster Cheryl Jacobs.

Tides are for Mullet Key Channel (Skyway). Other specific locations may be up to 2 hours later or earlier. Listings from saltwatertides.com .

Forecast Minus Tides

Mar

1 Thu 6:01AM -0.5
2 Fri 6:34AM -0.4
12 Mon 4:22AM -0.2
13 Tue 5:06AM -0.3
14 Wed 5:43AM -0.3
15 Thu 6:14AM -0.2
21 Wed 10:16PM -0.2
22 Thu 11:25PM -0.2
24 Sat 12:47AM -0.2
25 Sun 2:13AM -0.3
26 Mon 3:27AM -0.3
27 Tue 4:26AM -0.4
28 Wed 5:13AM -0.3
29 Thu 5:52AM -0.2

Apr

17 Tue 8:22PM -0.3
18 Wed 9:13PM -0.3
19 Thu 10:12PM -0.4
20 Fri 11:20PM -0.3
22 Sun 12:35AM -0.2
23 Mon 1:51AM -0.2
30 Mon 7:46PM -0.2

May

1 Tue 8:23PM -0.2
2 Wed 9:02PM -0.2
3 Thu 9:45PM -0.2
14 Mon 6:47PM -0.2
15 Tue 7:32PM -0.4
16 Wed 8:20PM -0.5
17 Thu 9:13PM -0.5
18 Fri 10:10PM -0.5
19 Sat 11:12PM -0.4
21 Mon 12:16AM -0.2
28 Mon 7:01PM -0.2
29 Tue 7:36PM -0.2
30 Wed 8:11PM -0.3
31 Thu 8:48PM -0.2

June

1 Fri 9:27PM -0.2
12 Tue 6:39PM -0.4
13 Wed 7:28PM -0.5
14 Thu 8:18PM -0.6
15 Fri 9:09PM -0.5
16 Sat 10:01PM -0.4
17 Sun 10:53PM -0.3

Upcoming Club Meetings

6:30pm Meet and Greet, 7pm Meeting

Jan 5 Regular Meeting John Jacobs will be talking about how to make a display for a shell show. There will be display cases available.

Jan 6 Tampa Bay Fossil Club Meeting

Jan 9 Meeting of Suncoast Conchologists

Feb 2 Regular Meeting Dr. Gregory Herbert, USF, will be speaking.

Feb 3 Tampa Bay Fossil Club Meeting

Feb 6 Meeting of Suncoast Conchologists

Feb 22-24 Shell Show We need you to help set up, take down and during the show. see more on page 5.

Apr 6 Regular Meeting Bourse night. Reserve a table for \$3 and sell shells and shell related items. Bring your check book to support the club and members. Contact John Jacobs



Vanishing Act by Emily Underwood

Published in Smithsonian January+ February 2017
Edited to fit.

There are few places to hide in the open ocean. Even in the “twilight zone” - depths where sunlight gradually fades away—a mere silhouette can mean the difference between being a meal and finding one. But *Cystisoma*, a little—studied crustacean cousin of the sand flea, has a dazzling way to elude predators: it’s as clear as glass. Now researchers at Duke University and the Smithsonian have discovered how the solid creature manages to be so transparent—a finding that could lead to our very own invisibility cloak.

Cystisoma belongs to a suborder of marine crustaceans called hyperiid amphipods, which live in every ocean, from just below the surface to right near the floor. *Cystisoma* tend to live between 30 and 1000 feet, where the light is increasingly dim.

Duke marine biologist Laura Bagge and Karen Osborn, a Smithsonian zoologist, went trawling with nets and searched with deep-sea diving robots, to capture specimens. The critters, which are about the size of a human hand, had small bits of its shell studied under an electron microscope. The analysis revealed minute spheres all over the shell, as well as “tiny, hair-like, nippy-looking things” growing out of it, says Bagge. When the researchers used a computer to study how such microscopic structures affect light, they found the coating canceled out 99.9 percent of the light reflections, much as the egg-crate foam walls in a recording studio absorb sound. Moths’ eyes have a similar anti-glare coating, but this is the first time scientists have seen it used for camouflage.

The curious spheres look like bacteria living on the shell surface, but they’re smaller than any bacteria we know of, says Bagge: the team is using DNA analysis to be sure. The finding could be useful either way. Engineers might be able to design similar structures to increase the transparency of glass and the absorption of solar panels, or even aid a kind of invisibility cloak that similarly distorts light. For her own research, Bagge wants to find out how being almost invisible affects the crustacean’s social lives: “How does one clear animal find another to mate with?”

UPCOMING SHELL SHOWS & RELATED EVENTS

Jan 13-14, 2018 **BROWARD 53RD ANNUAL SHELL SHOW**
Emma Lou Olson Civic center, 1801 NE 6th St, Pompano Beach
FL. www.browardshellclub.org

Jan 20-21 **ATSC SHELL SHOW**, Eau Gallie Civic Ctr. 1515
Highland Ave, Melbourne, FL Contact: Alan Gettleman
lychee@cfl.rr.com

Jan 27 **FLORIDA UNITED MALACOLOGISTS**, Bailey-Matthews
National Shell Museum, Sanibel, FL Contact: Jose Leal
jleal@shellmuseum.org

Feb 9-11 **SARASOTA SHELL SHOW** Roberts Arena in Potter
Building, 3000 Ringling Blvd, Sarasota, FL.
sarasotashellclub@gmail.com

Feb 23-24 **ST PETERSBURG SHELL SHOW** downstairs 9100
113th St. N, Seminole, FL.

Mar 1-3 **SANIBEL SHELL SHOW** Sanibel Community Center
2173 Periwinkle Way. Contact: Mary Burton
marybsanibel@hotmail.com

Mar 8-10 **MARCO ISLAND SHELL SHOW** United Church of
Marco Island 320 N. Barfield, Marco Is, FL Contact: Jae Kellogg
pjsailkw@gmail.com

Mar 10-11 **TAMPA BAY FOSSIL CLUB FOSSIL FEST**
Florida State Fairgrounds, Tampa, FL

Courtesy of Donald Dan and others

SHELL SHOW 2018



Ron Bopp Cones



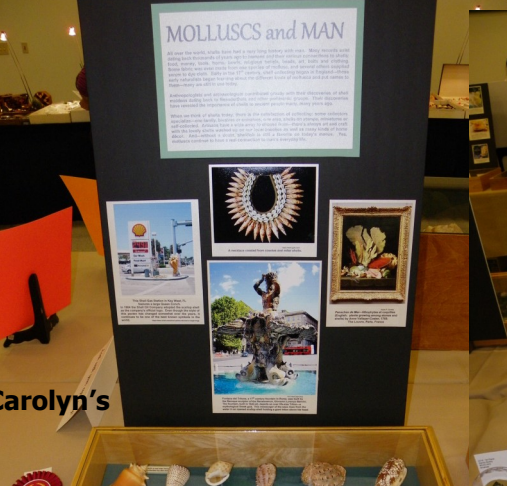
Airy Callahan's Shellfie



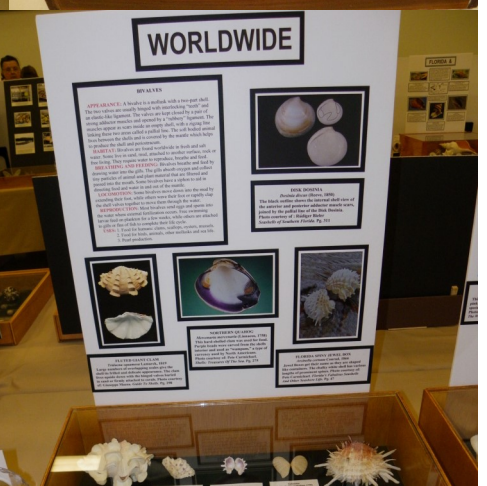
Lynn Gaulin's



Carolyn & Earl Shell of Show



Carolyn's



Anne Joffe won Martin Tremor Jr & COA Awards



Sandy Boddy's



Phyllis Gray won Betty & Bob Lipe Award



Anne Joffe's

Judges: Steve Geiger, Sharlene Totten, Dr. Jose Leal



**Artistic items
Earl Clark Award Winner Donna
Timmerman's Sailor's Valentine.
Randy Allamand, Chipper & Buddy**



Just found this really neat site. www.malacologicalterms.org

www.malacologicalterms.org/Terms-GastropodShapes.asp page

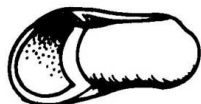
An Illustrated and Cross-Referenced Glossary of Malacological and Conchological Terms by Paul S. Mikkelsen

All Gastropod Shape Terms in the Glossary

DEXTRAL Turning clock-wise or to the right, or “right-handed” in gastropods, the direction of coiling in which, with the shell held upright (apex at the top), the aperture is at the right, and in which, with the shell viewed from above the apex, the coiling proceeds from the apex in clockwise direction. The opposite is **SINISTRAL**.



SINISTRAL In gastropods, the direction of coiling in which, with the shell held upright (apex at the top), the apertural opening is at the left. And in which, with the shell viewed from above the apex the coiling proceeds from the apex in a counter clockwise direction. Left handed, opposite of **DEXTRAL**.



DISCOIDAL Round and flat, like a disc, see also **DEPRESSED**, **LENTICULAR**, **PLANISPIRAL**, **SEMIDISCOIDAL**.

PLANISPIRAL Coiled in a single plane, loosely used also with **DISCOIDAL** shells having asymmetrical sides.

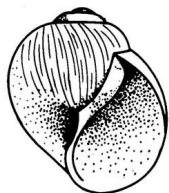


LENTICULAR Shaped like a lentil or lens, having a narrowly doubly convex form, as in the aperture of certain gastropod shells.

SEMIDISCOIDAL Forming half of a circular disk.



FUSIFORM Spindle-shaped; biconic, i.e., swelling in the central part and tapering at the extremities.



GLOBOSE Roughly spherical in form; rounded; see also **GLOBULAR** Globe-shaped, like a ball.
NERITIFORM A globose gastropod shape resembling that of a Nerite with few subglobose and rapidly enlarging whorls with a very reduced spire.

HELICIFORM Shaped like shells of the genus *Helix*, see also Escargot— snails in garlic and butter.

There are lots of terms and this site was easy to read. I hope you try it out and it helps you. From the home page I clicked on [Composite Illustrations](#), then under Gastropods I clicked on [listed with definitions](#).

I have only given you a few terms here to see how it works.

Paulo Kiyoshi posted on Femorale Shells Facebook page a picture and the website.

THE SHELL COLLECTOR'S CODE OF ETHICS

I realize that molluscs are part of our precious national wildlife resources, therefore:

I WILL make every effort to protect and preserve them not only for my own future enjoyment, but for the benefit of generations to come.

I WILL always leave every shelling spot as undisturbed as possible.

I WILL take only those specimens needed for my collection and for exchange at the time... Shells in a box cannot reproduce while I am waiting for a place to send them.

I WILL leave behind the damaged and the young specimens so that they may live and multiply.

I WILL **NOT** collect live egg cases unless they are to be used for study, and then, only in small quantities.

I WILL **NEVER** “clean out a colony” of shells.

I WILL practice and promote these conservation rules in every way possible.

MEMBER NEWS

In Memorium:
William Turner's daughter
passed away in January.

Ida Mason passed away
on Dec 21, 2017.
She and her daughter
Karla Mason have been
members since 1998.
They would come down
to visit during the Shell
Show and COA
conventions. She was a
beautiful soul and will be
missed.



Wayne Humbird passed
away on Jan 20. He was
a past member and
member of COA. He
displayed many times in
our Shell Show. A very
sweet man that will be
missed by one and all.



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premises

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Happy Birthdays

Apr

9 - Mildred Sides
15 - Dick Fearn

May

1 - Jerry Puigdomenech, Jr.
9 - Airy Callahan
16 - Tina Murders
20 - Roger Smith
23 - Mary Ellen Akers

Mar

8 - Betty Fearn
8 - Suzanne Wagner
14 - Phyllis Diegel



St. Petersburg Shell Club, Inc.
Founded 1936
Annual Dues: Individual \$15.00
Family \$20 (1 copy of TIDELINES per household)

Meetings are held on the 1st Friday of the month, except June, July and August, at the **Seminole Recreation Center, 9100 113th Street North, Seminole**. Meetings start at 7:00p.m. and include educational short programs, social times, opportunities to identify shells, and a main program on some aspect of the shell collecting hobby. The club publishes "**TIDELINES**" 5-6 times a year with a special edition at Shell Show time. The membership year begins Jan 1st and dues are delinquent after Apr 1st. Please make your check payable to the St. Petersburg Shell Club.

Return the application to the membership chairperson at the address below.

Please complete—Detach and Return

New Member: Individual _____ Family _____
Renewal: Individual _____ Family _____

Name: _____ Phone: _____

Address: _____ Apt# _____

City, State, Zip: _____

E-mail: _____

Birthday: _____ Shell Interests: _____

If you use another address part of the year, please list where & when here:

Donation to the Awards and Ribbons Fund for the Shell Show

Print as you want to be listed.

Return to: Membership Chairperson
P. O. Box 3472
Seminole, FL 33775-3472

Total Enclosed:

Membership	\$	_____
Awards and Ribbons Fund	\$	_____
Total	\$	_____

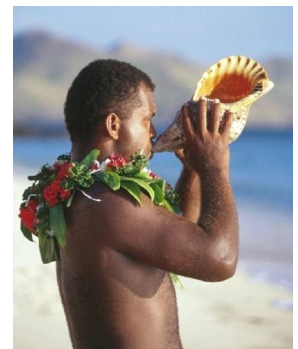
E-mail: stpeteshellclub@gmail.com
Web site: stpeteshellclub.org
Like us on Facebook

Show 'n Tell

Bring that special shell to the meeting and talk for a few minutes about it. What was it that appealed to you about that specimen? Was it the color, the family, the location it came from?

Do you have a question on the identification of a shell?

Whatever the reason, Blow your horn, show it off.



WOW!

Check this Out We have a new website

We revamped the site and updated the information. Please check us out and tell us if you see anything that needs to be corrected. Suggestions are also good. Just keep in mind we are new at this stuff. www.stpeteshellclub.org The new site has a blue background, so if you don't see that, you may have to refresh your screen. The Shell Show information and applications are on the site along with a membership application.

You can reach us at the club email stpeteshellclub@gmail.com

