

# Tidelines

November 2019

St. Petersburg Shell Club, Inc.

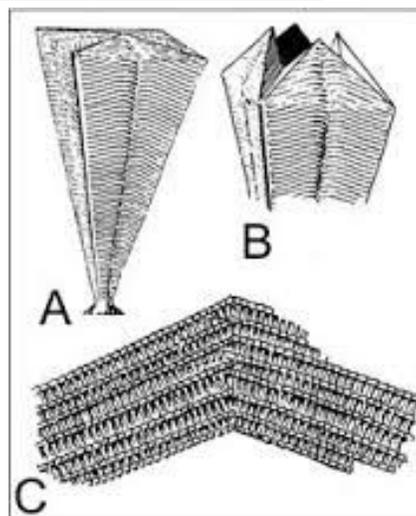
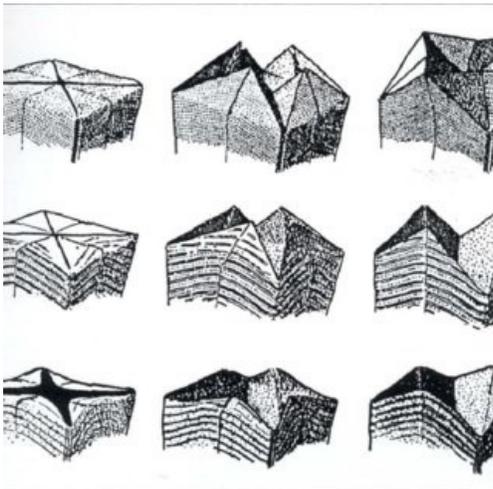
Web site: [stpetshellclub.org](http://stpetshellclub.org)

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.

## Conulariida Fossils What are they?

by Cheryl Jacobs

We saw a display at the Florida Fossil Hunters Fossil Show and I came home to look it up.



Continued on page 5



## A MESSAGE FROM THE DESK OF YOUR PRESIDENT

Hi all,  
We're busy attending fossil events, including collecting trips with other clubs, as well as, planning our next Shell Show, and working on the next COA convention to be held in Melbourne, FL. We had a nice showing at the Vulcan mine on Oct 12th, and I'm sure we'll be going back there again.

There are some good low tides coming up in the next few months at decent times. Remember that tide times vary for different locations, so check the tides for your shelling location. See the Field Trips on page 5.

The holiday season is approaching fast, and with it, heavier traffic on the roads, so while you are heading towards a favorite shelling spot or looking for that just right present, please take care, and watch out for yourself and others. With that said, I wish you all the best of holidays, and look forward to seeing you all at future meetings and events.

Happy Shelling!

**John**



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

### Club Officers and Committees

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

## Forecast Minus Tides

### Nov

13 Wed 6:28AM -0.2  
14 Thu 7:08AM -0.3  
15 Fri 7:53AM -0.3  
16 Sat 8:45AM -0.3  
17 Sun 9:45AM -0.2  
18 Mon 10:50AM -0.1  
25 Mon 5:08AM -0.3  
26 Tue 5:53AM -0.5  
27 Wed 6:36AM -0.5  
28 Thu 7:19AM -0.5  
29 Fri 8:03AM -0.4  
30 Sat 8:49AM -0.3

### Dec

1 Sun 9:37AM -0.2  
9 Mon 4:27AM -0.1  
10 Tue 5:05AM -0.3  
11 Wed 5:43AM -0.5  
12 Thu 6:22AM -0.6  
13 Fri 7:04AM -0.6  
14 Sat 7:50AM -0.6  
15 Sun 8:39AM -0.6  
16 Mon 9:31AM -0.5  
17 Tue 10:24AM -0.3  
18 Wed 11:18AM -0.1  
22 Sun 3:27AM -0.2  
23 Mon 4:20AM -0.5  
24 Tue 5:07AM -0.6  
25 Wed 5:50AM -0.7  
26 Thu 6:30AM -0.7  
27 Fri 7:08AM -0.6  
28 Sat 7:45AM -0.6  
29 Sun 8:22AM -0.5  
30 Mon 8:59AM -0.4  
31 Tue 9:38AM -0.2

### Jan 2020

6 Mon 3:21AM -0.2  
7 Tue 4:08AM -0.5  
8 Wed 4:52AM -0.6  
9 Thu 5:35AM -0.7  
10 Fri 6:18AM -0.8  
11 Sat 7:00AM -0.9  
12 Sun 7:43AM -0.8  
13 Mon 8:26AM -0.7  
14 Tue 9:08AM -0.6  
15 Wed 9:49AM -0.3  
19 Sun 2:13AM -0.2  
20 Mon 3:20AM -0.5  
21 Tue 4:16AM -0.6  
22 Wed 5:03AM -0.7  
23 Thu 5:45AM -0.7  
24 Fri 6:21AM -0.7  
25 Sat 6:54AM -0.6  
26 Sun 7:24AM -0.6  
27 Mon 7:52AM -0.5  
28 Tue 8:20AM -0.3

*Upcoming Club Meetings*

6:30pm Meet and Greet, 7pm Meeting

**Nov 1** Carolyn Petrikin to be announced.

**Nov 2** Tampa Bay Fossil Club Meeting

**Nov 5** Meeting of Suncoast Conchologists

**Dec 3** Holiday party of Suncoast Conchologists

**Dec 6** Holiday Party at Golden Corral

**Dec 14** Tampa Bay Fossil Club Meeting

**Jan 3** Regular Meeting Nicole Seiden to be announced.

**Jan 4** Tampa Bay Fossil Club Meeting

**Jan 7** Meeting of Suncoast Conchologists

**UPCOMING SHELL SHOWS & RELATED EVENTS**

Jan 13-12 **55th ANNUAL BROWARD SHELL SHOW**, Emma Lou Olson Civic Center, 1801 NE 6th St, Pompano Beach, FL.  
www.browardshellclub.org

Jan 18-19 **ASTRONAUT TRAIL SHELL SHOW** Eau Gallie Civic Center, Melbourne, FL

Feb 7-9 **SARASOTA SHELL SHOW**, Roberts Arena in Potter Building, 3000 Ringling Blvd. Sarasota FL

Feb 15 **FLORIDA UNITED MALACOLOGISTS MEETING**

Feb 15 **FOSSIL FESTIVAL** The Shell Factory, Ft. Myers, FL

Feb 21-22 **ST PETERSBURG SHELL SHOW** Seminole Recreation Center, Seminole, FL

Mar 5-7 **SANIBEL SHELL FAIR** Sanibel, FL

Mar 14-15 **FOSSIL FEST** Tampa Bay Fossil Club, Florida State Fairgrounds, Tampa, FL

## SHELL SHOW 2020!

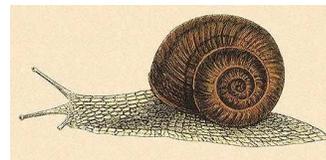
How can I help?

Feb 22 set up, Feb 23-24 open to public

Well, there are many things that need to be done before and during the Show so be sure to sign up and see the Show for Free.

You could start with set up, this is on Thursday before the Show when we set up the room. Tables are set up and have to be cleaned and covered with cloth. Then the exhibitors and dealers arrive to set up.

The show is 2 days and we need **FOOD**, we can not leave the building so we bring in food for all the workers, helpers, dealers, and exhibitors. We try to get a large variety of food; examples are sandwich makings (bread, meat, etc.), salads (lettuce, fruit, vegie), vegie plate, chips, desserts, cookies, brownies, donuts, drinks, fruit, pizza, subs, hot dishes (casseroles), pasta, soup, etc.. So, put on your thinking caps and come up with something to bring. We need lunch both days (Friday and Saturday), and lunch can start as early as 11, so we can spell everyone to eat. Places that need workers are front table (to collect money), raffle table, club sales table, and kitchen help to set up the food and plates and clean up and put food away. There will be sign up sheets at the Jan meeting so please come ready to volunteer. You can also call Cheryl at 813-309-0295.



### 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.



Cheryl with a sand dollar



Vickie's Moon shell mold



What did Vickie and Betty find?



Our group



Rock piles in the pit



Working the rock piles

## Field trip: Fun, Fun, Fun in the Sun

Vulcan Mine Field Trip October 12, 2019

We met at 8:30am then went into the mine at 9am. We drove in for about a mile or two, before we went down into a pit. Same one we have been to before but now a little more overgrown. There were 10-12 of us, I forgot to take a picture of the sign in sheet so, I do not have exact count. The day was nice not too hot or uncomfortable. Saul gave us a safety briefing and off we went. Vickie and I started up the ramp we drove down. I started finding sea biscuits and showed her what they look like and she found her first one. It is a great feeling to find something new. Later we went into the pit where the piles of rocks were and met up with Pat, Jackie and Betty. There we found other things like shell molds. All these fossils are Late Eocene to Early Oligocene or 36-30 million years old. I think everyone had a good time and we were all tired and ready to leave at noon.

Saul



Continued from page 1

Conulariida is "defined as a phylum or other group of extinct invertebrate animals of uncertain relationships known from pyramidal usually 4-sided chitinophosphatic tests widely distributed in Devonian, Pennsylvanian, and Permian rocks."

"What can we say about conulariids? They had elongated, pyramidal exoskeletons, made up of rows of calcium phosphate rods. Most were square or rectangular in cross section, with prominent grooves at the corners. They lived attached to hard objects by a flexible stalk, and often lived in groups. Presumably they were filter feeders; how they reproduced is not known."

"The conulariids are fossils preserved as shell-like structures made up of rows of calcium phosphate rods, resembling an ice-cream cone with fourfold symmetry, usually four prominently-grooved corners. New rods were added as the organism grew in length; the rod-based growth falsely gives the fossils a segmented appearance. Exceptional soft-part preservation has revealed that soft tentacles protruded from the wider end of the cone, and a holdfast from the pointed end attached the organisms to hard substrate. The prevailing reconstruction of the organism has it look superficially like a sea anemone sitting inside an angular, hard cone held perpendicular to the substrate."

What did I learn? They are old....really old. 250 million to 500 million years old. Middle Cambrian to Early Triassic. Weird looking and no one knows much about them. We do not have anything like them living today.

#### References:

Merriam-Webster Dictionary site. <https://ucmp.berkeley.edu/cnidaria/conulariida.html> , Wikipedia

## **FIELD TRIPS**

**Anclote Key** shelling trip will be Sunday November 17.

We'll meet at Odyssey Cruises in Tarpon Springs between 10:00 and 10:15 for the 10:30 boat ride. 776 Dodecanese Blvd, Tarpon Springs, FL 34689

The price of \$20 will allow a small tip for the deckhand. This trip will last about 2 hours with ~ 30 minutes on Anclote Key. The cost must be paid ahead of time and will not be refundable because we'll need to reserve enough spots for the group. It should be transferable. If you decide to not pre-pay, and come at a later time, I cannot promise there will be available spots on the day of the trip.

The December field trip will be Sunday 12/15 at the **North Sunshine Skyway Bridge**. There are renovated restrooms and picnic tables but the better beach access is ~ 1/4 mile north of the restroom. It will be a -0.56 tide at around 11:00am, so we'll meet between 9:30 and 10:00 for the outgoing tide. There is about 1/2 mile of sandy beach in each direction, plus if you're willing to get wet to about your knees, and maybe a little muddy, a seagrass meadow and access to a small oyster reef. It is also a good bird watching and, sometimes, kitesurfing spot. Potential for large hard clams and other local favorites.

There is no cost for this trip except \$1.25 toll at the Skyway.

**DO NOT DRIVE THROUGH ANY PUDDLES** on the dirt in the parking areas off the pavement.

Please contact John Jacobs at [johncheryl@earthlink.net](mailto:johncheryl@earthlink.net) or sign up at the meeting Nov 1st.

# Belemnites

by John Jacobs

The squid-like belemnites existed from the late Triassic to the late Cretaceous, approximately 227 to 72 million years ago. What separates these cephalopods from others is the 3-part internal structure known as a rostrum/guard, phragmocone, and pro-ostracum (fig. 1). The animals were more akin to cuttles than true squid. They had eight arms and two tentacles.

The guards are the most common parts preserved and are found around the world. In fact, the Delaware state fossil is a belemnite, *Belemnitella americana* (Morton, 1830) (fig. 2). Guards range in length from about 30mm in the smallest species *Neohibolites minimus* (Miller, 1826) to the largest known at about 340mm *Megatheuthis giganteus* (Schloth) (fig. 4).

The rare fossil shown here (fig. 3) is *Phragmoteuthis conocauda* (Quenstedt, 1849), from the Jurassic (Palaontologische Museum Munchen). It clearly shows the double row of hooks along the arms of the animal.

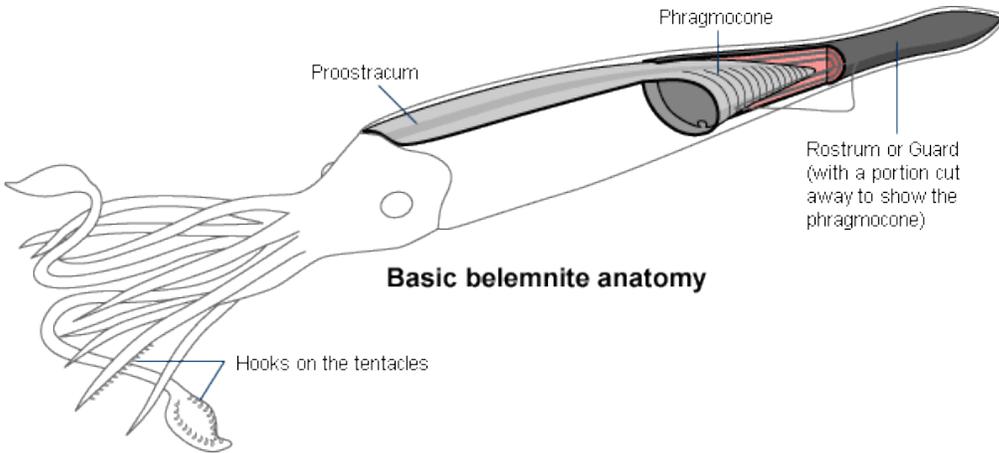


Fig.1



Fig. 2



Fig. 3



Fig. 4

## MEMBER NEWS

### New Members:

Elizabeth K. Hixon  
5840 30th Ave S Apt 109  
Gulfport FL 33707

Jackie & Pat Zajac  
360 72nd Ave  
St Pete Beach FL

Steve Geiger  
620 69th Ave S  
St Petersburg FL 33705

If you would like your picture in the Directory. Ask John to take it or send us one.  
Johncheryl@earthlink.net

Got a shell question???  
Send me an email. I will try to answer it in the Tidelines.

Send in any member news to Cheryl Jacobs  
Email stpeteshellclub@gmail.com

## Shells – Crafts – Bags – Florida Books



## THE SHELL STORE LLC

8211 Ulmerton Road (Route 688)

Largo FL 33771

Phone 727-360-0586

Email: [shells@theshellstore.com](mailto:shells@theshellstore.com)

[www.theshellstore.com](http://www.theshellstore.com)

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**Mirror Frames** with and without Glass

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**Plastic Bags**, for cataloging and storing your shells

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**Home of do-it-yourself shell craft supplies.**

**Shell Characters, Flowers and Trees** all made on the premises

**One Stop Sheller's Supermarket**

**Open 10 am to 5 pm**

**Monday thru Saturday**

## Happy Birthdays

### Nov

4 - Rob Geater  
7 - Isabel McKinney  
9 - Carolyn Petrikin  
11 - Robert Holzworth  
13 - Marilyn Myers

### Dec

5 - Elizabeth Hixon  
12 - Robert Gould  
14 - Doug Boddy  
22 - Maril Hutcheson

### Jan

6 - Tamara Hein  
9 - Rachel Fields  
15 - John Barr  
25 - John Jacobs

### Feb

1 - Critter Callahan  
25 - Pat Linn



**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](mailto:stpeteshellclub@gmail.com)  
 Web site: [stpeteshellclub.org](http://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.



**HAVE I RENEWED ?**



Our club membership runs from January to December. If you are not sure if you have renewed call or email us.

Contact Cheryl & John Jacobs  
[johncheryl@earthlink.net](mailto:johncheryl@earthlink.net)  
 or 813-309-2608