



Tidelines

Celebrating our 80th
year!

September 2016

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.



2,400-year-old Vessel sculpted in marble in the form of a Mediterranean shell called a Pelican's foot. Greek 425 BC, Andrea Glez, Archaeology & Prehistoric & Ancient Wonders
Picture posted on Facebook June 12, 2016 by Molluscan Pictures. Original posting Nov 24, 2015 by Andrea Glez.



A MESSAGE FROM THE DESK OF YOUR PRESIDENT

Did you know that our club is the third oldest shell club in the country? We're celebrating our 80th year this season. There are a number of events to help bring awareness of this milestone. The Egmont Key Alliance's Discover the Island event in November is a great event to advertise our club at. See pages 5 & 6 for information about this event and how you can help.

How about participating in our Show & Tell at the meetings? Bring in your recent acquisitions to show off. We all want to see and hear what others have come across in their travels.

Mark your calendars now for our annual Holiday Party. We'll be holding it at the Golden Corral on Dec 2nd. More to come.

It's never too early to talk about our annual Shell Show. Please start thinking about how you can help with our club's major event. The show couldn't happen without volunteers to man tables, bring food, and generally help out during the event.

We're already thinking about the picnic, and when and where to have it. Think about suggestions, and please pass them to your board.

We're going on a fossil collecting trip in January. Fossil trips are getting harder to get as fossil pits close down or ban collecting. So take advantage of this trip, and either sign up at the meetings or contact me directly.

Have fun, be safe, and enjoy our wonderful hobby.

John



Club Officers and Committees

President John Jacobs; Vice President Robert Gould; Recording Secretary Sandy Boddy & Cheryl Jacobs; Treasurer Betty Lipe; Newsletter Editor Cheryl Jacobs; Directors at Large: Peggy Dill, Marilyn Wall, Jane McKinney, Meredith Myers; COA Representative John Jacobs; Refreshments Open; Photographer John Jacobs; Field Trips Entire Board; Corresponding Secretary John Jacobs; E-mail contacts John Jacobs; Director of Education Open; Shell Show Cheryl Jacobs & Betty Lipe; Webmaster Bill Hoefer; Annual Picnic open; Raffle/Door Prizes Cheryl Jacobs & Peggy Dill; Facebook Cheryl Jacobs & Betty Lipe.

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

Sept

No minus tides

Oct

18 Tue 8:27AM -0.1

Nov

13 Sun 4:56AM -0.1
14 Mon 5:43AM -0.3
15 Tue 6:32AM -0.5
16 Wed 7:22AM -0.5
17 Thu 8:14AM -0.4
18 Fri 9:09AM -0.3
19 Sat 10:07AM -0.1
27 Sun 5:02AM -0.1
28 Mon 5:35AM -0.2
29 Tue 6:07AM -0.3
30 Wed 6:40AM -0.3

Dec

1 Thu 7:15AM -0.3
2 Fri 7:52AM -0.3
3 Sat 8:34AM -0.3
4 Sun 9:19AM -0.2
5 Mon 10:08AM -0.1
11 Sun 4:01AM -0.1
12 Mon 4:52AM -0.6
13 Tue 5:41AM -0.6
14 Wed 6:29AM -0.7
15 Thu 7:15AM -0.6
16 Fri 8:01AM -0.6
17 Sat 8:45AM -0.5
18 Sun 9:30AM -0.3
19 Mon 10:15AM -0.1
25 Sun 4:07AM -0.2
26 Mon 4:46AM -0.4
27 Tue 5:23AM -0.5
28 Wed 5:57AM -0.6
29 Thu 6:29AM -0.6
30 Fri 7:02AM -0.6
31 Sat 7:36AM -0.6

Upcoming Club Meetings

6:30pm Meet and Greet, 7pm Meeting

Sept 2 Regular Meeting John Jacobs will be speaking on past trips to Williams Farm, we are trying to get a field trip set up for this area and want you to know what it is like.

Sept 6 Meeting of Suncoast Conchologists

Oct 7 Regular Meeting: TBA

Oct 4 Meeting of Suncoast Conchologists

Nov 4 Regular Meeting TBA

UPCOMING SHELL SHOWS & RELATED EVENTS

Sep 17-18 **NORTH CAROLINA SHELL CLUB SHOW** Cape Fear Museum, Wilmington NC, 814 Market St. www.ncshellclub.com

Oct 22-23 **PHILADELPHIA SHELL SHOW** Academy of Natural Sciences, 19th and Benjamin Franklin Parkway, Philadelphia, PA www.phillyshellclub.org

Nov 5-6 **FLORIDA FOSSIL HUNTERS FOSSIL SHOW** Central Florida Fairgrounds, Orlando, FL

Nov 12-13 **DISCOVER THE ISLAND** 19th Annual Egmont Key Alliance Fundraiser. see pg 5 and 6 for flyer and info.

Courtesy of Donald Dan and others

Fisherman found giant 34kg pearl worth \$100 million - but kept the two-foot long gem under his bed for TEN YEARS as a good luck charm



By Darren Boyle for Mailonline

This giant pearl could be the biggest ever found in the world and five times larger than the previous record - after being handed in by a fisherman. The man, who has not been identified, found the priceless 34kg gem ten years ago in the sea off the coast of Palawan Island, Philippines. He didn't know the potential eye-watering value of \$100 million and kept it as a 'good luck charm' in his rundown wooden home. But a fire at the property earlier this year forced him to clear out and move. The fisherman handed it in to the stunned local tourism officer in remote Puerto Princesa who verified that it had been found in a giant clam. The priceless rock measures a staggering 1 foot wide and 2.2 feet long - dwarfing the current world's biggest Pearl of Allah which weighed 6.4kg and is worth \$35 million.

Tourism officer Aileen Cynthia Amurao said: "The fisherman threw the anchor down and it got stuck on a rock during a storm."

He noticed that it was lodged on a shell and swam down to pull up the anchor, and also brought the shell with him. This was a decade ago and he kept it at home. "He didn't know how much it was worth and kept it tucked away at home as a simple good luck charm. We were amazed when he brought it to us. We now need help from gemologists to fully certify it. We're waiting for authentication from Gemologist Institute and other international authorities. But we believe Puerto Princesa is likely to earn another prestigious title and a record breaker for having the world's biggest natural giant pearl from a giant clam. We will keep this here in the Philippines and I hope it will bring more tourists to the city." The current record holder is Pearl of Allah, also known as the Pearl of Lao Tze, which was also found off Palawan, Philippines, in 1934. It is on exhibition at the Ripley's Believe It or Not! in New York.

Read more: <http://www.dailymail.co.uk/news/article-3753300/Fisherman-giant-34kg-pearl-worth-100million-kept-bed-TEN-YEARS-good-luck-charm.html#ixzz4ICwXakxu>

Taken from Facebook...Molluscan Pictures posted Daily Mail.com Aug 23, 2016

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.

Googly-Eyed Purple Squid Sighting Delights Scientists

By Kacey Deamer, Staff Writer August 16, 2016 09:37am ET LiveScience article from the web



The stubby squid's giant eyes, that "look painted on," caused one researcher to compare the sea creature to a children's toy.

A purple squid with eyes so googly it could easily be mistaken for a character in the movie "Finding Nemo" was recently spotted by scientists off the coast of Southern California. The so-called stubby squid (*Rossia pacifica*) is a species of bobtail squid native to the northern Pacific Ocean. These adorable sea creatures can be found in waters from Japan to Southern California, and typically dwell along the ocean floor, at depths of around 984 feet (300 meters), though they have been spotted as deep as 4,260 feet (1,300 m), according to the Monterey Bay Aquarium Research Institute (MBARI). The stubby squid's giant eyes, that "look painted on," delighted the scientists aboard the Exploration Vessel (E/V) Nautilus. In a live stream of the Nautilus' undersea explorations, one researcher said the googly-eyed squid looks "like some little kid dropped their toy."

"On that watch it happened to be a lot of geology folks or ecology folks, so a lot of the commentary was of course more like 'What is this thing, it's so cute!' and sometimes we have less of that when we see rocks," Samantha Wishnak, a science communication fellow aboard the E/V Nautilus, told Live Science. The scientists on watch during the squid sighting also initially misidentified the stubby squid as a cuttlefish, which the squid is closely related to. Wishnak said the E/V Nautilus team was able to rule out cuttlefish, as the species is not found in the eastern Pacific Ocean. With a few other ideas for what the species might be, the researchers on board collaborated with scientists ashore and at the University of California, Santa Barbara, and MBARI, to identify the stubby squid.

Stubby squids are nocturnal hunters, so Wishnak said it was exciting to see the animal in its "somewhat natural behavior" rather than hidden in the sea floor. "They actually have this pretty awesome superpower: they can turn on a little sticky mucus jacket over their body and sort of collect bits of sand or pebbles or whatever they're burrowing into and make a really nice camouflage jacket," Wishnak said. "When they go to ambush something and prey on something, they're able to sort of turn off that mucus jacket." Other stubby squid sightings by divers have resulted in the same "deer in the headlights" kind of reaction, Wishnak said. The animals are used to being in darker waters, camouflaged from view.

"I think what we encountered was a squid who was not expecting to see us in any way," Wishnak said. The E/V Nautilus is currently on a four-month expedition to explore the eastern Pacific Ocean. Next, the ship will move from the coast of Southern California to the San Francisco Bay. The vessel's mission is to explore the oceans and seek out the unknown, and is operated by the Ocean Exploration Trust, a nonprofit organization founded by oceanographer Robert Ballard. Recent discoveries on this expedition have included a mysterious purple sea orb and a sighting of the world's largest bony fish, the *Mola mola*.

DISCOVER THE ISLAND

19th Annual Egmont Key Alliance Fundraiser at Egmont Key

NOVEMBER 12TH & 13TH, 2016



- Explore the Island
- Historical re-enactors
- Artillery Batteries
- Egmont Shanty Singers
- Kids games & Fossil Pit
- 158-year-old lighthouse
- Guided walking tours
- Tour maps
- Silent Auction Each Day
- Food & Drink for sale



Ferry Tickets:

Adults: \$18
Active Duty Military: \$15
Youth 6-11: \$9
Children Under 6 FREE
Purchase Tickets
at the Fort Desoto Bay Pier
Departure Site

Ferry Tickets Include:

- Tickets include round-trip ferry transportation
- Ferry leaves Fort DeSoto Bay Pier regularly 9am-2pm
- Last ferry leaves Egmont Key 4pm
- Ticket Sales Start at 8:30am



**All proceeds support the Egmont Key Alliance, a 501(c)3 non-profit corporation. Donations are tax-deductible. The Egmont Key Alliance is the Citizen Support Organization for Egmont Key State Park and is dedicated to restoring, preserving, and protecting the island.*



For more information visit www.EgmontKey.info

Egmont Key Discover the Island

November 12 & 13, 2016

Our Clubs have been invited to participate in this fund raising event for the Egmont Key Alliance. The St. Petersburg Club has done this before, and everyone enjoyed the event. We do need to have a list of people who are willing to work this event by October 5th. Two people for each of 4 shifts is optimal. If you are interested in working with us, please contact John Jacobs at johncheryl@earthlink.net.

Volunteers who choose to go to the island on the 8am ferry will pay nothing. But if you go later, there is a \$5 fee (still better than the \$18 regular fare). Entry into Ft. DeSoto is still free for volunteers. A list of the volunteers must be turned in ahead of time.

The event starts at 9am, with the last ferry leaving Egmont at 4pm. So we'll be shutting down at 3pm. The volunteers who work Sunday need to pack everything up, and bring it back with them.

Food and drink is available for sale, but you can bring your own, if you wish.



What am I? Gastropod or Bivalve? Juliidae

From Wikipedia, the free encyclopedia

Juliidae, common name the **bivalved gastropods**, is a family of minute sea snails, marine gastropod mollusks or micromollusks in

the superfamily Oxynooidea, an opisthobranch group. These are sacoglossan (sap-sucking) sea snails, and many of them are green in color. These snails are extremely unusual in that their shells consist of two separate hinged pieces or valves. The valves are joined by a ligament, and look nothing like a normal snail shell; instead the valves look almost exactly like the two hinged valves of a clam, a bivalve mollusk, a related but very different class of mollusks.

In the past the Juliidae were known only from fossil or dead shells, and not surprisingly these fossils were interpreted as being the shells of bivalves. In the late 19th century they were classified among the bivalves, within the family Mytilidae, the mussels. *Julia*, which is the type genus of the family, was named in 1862 by Augustus Addison Gould, who described it as a bivalve genus. Juliidae are known from the Eocene period to the Recent, but they probably first appeared during the Paleocene. The similarity of the shells of Juliidae to those of bivalves does *not* mean that these snails are closely related to bivalves; this is an example of convergent evolution.

Up until the mid 20th century, these creatures were still considered to be bivalves. Then finally in 1959, living individuals of one species were collected on the green alga, *Caulerpa*, in Japan. It was immediately clearly visible that these animals are in fact unusual gastropods with a two-part shell. The first discovered live species of bivalved gastropod was *Tamanovalva limax*, described by Kawaguti & Baba (1959). Once the habitat, appearance, and life habits of these very small and inconspicuous animals were understood, in subsequent years researchers were able to find a number of other species and other genera in different parts of the world, also living on various species of *Caulerpa*. (seaweed, green algae).

As Tryon (1884) wrote in his description of the genus *Julia*: the shell is oblong, thick, and cordiform (heart shaped). The valves are closed, the margins entire and the valves are inequilateral (not symmetrical front to back). The lunule (an oval depression in front of the umbone) is deep circular, projecting into the interior of the right valve, the left valve is in the same place furnished with dentiform tubercles. The hinge line is simple and arched. The ligament is external and narrow. There are two muscle scars which are unequal and subcentral. These animals have two valves, and the soft parts can be completely withdrawn inside the shell. The two valves are usually thin and translucent. In the genus *Tamanovalva* there is a protoconch on the apex of the left valve. This is clearly visible in the left valve of *Tamanovalva babai*.

The body of the live animals is in most cases green (as it is in many sacoglossans), and in many species the individual appears green in totality. This, combined with the very small overall size, makes the animal hard to see on the green algae on which it lives. This ability serves as crypsis, especially as cryptic coloration (camouflage). In two species the camouflage is even more complete: the mantle of the animal is patterned in a way that very closely resembles the structure of the algae on which it lives.

The empty valves of the shells of these animals are in some cases green, in other cases brownish-green or yellow, and in yet others, colorless. The species *Julia zebra* has shells that are finely striped with brown and blotched with white.

Juliidae feed on green algae of the genus *Caulerpa*. Some species of Juliidae feed only on one species of *Caulerpa*, others in the family feed on more than one species of this green algae.



Hawaiian
Julia exquisite
Photo From
The Sea Slug
Forum
Left is a live
animal and the
right is the
shell.



Facebook

Have you checked out our Facebook page. I have been posting pictures of the meetings and the field trips. You can post pictures too if you have them. We would love to see some of the shells you found recently. I would like to know if you enjoy the pictures and want to see more. We have lots of people that check out our page from all over the world, so come join us.

Notes

MEMBER NEWS

In Memory:

Phil Poland passed away in June. He was a past member that was very active with the club in the 80's and 90's.

Would you like to have your picture in the Directory? If so please email or send us a picture. We can scan in and return your picture to you. You can also bring it to a meeting. Would love to have everyone pictured. We can then put a face to a name. Thanks.

Shells – Crafts – Bags – Florida Books



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One Stop Sheller's Supermarket

Open 10 am to 5 pm

Monday thru Saturday

Happy Birthdays

Sept

2 – Otis Taylor
7 – Patty Humbird
10 – Linda Taylor
11 – Jack Spencer
11 – Sharlene Totten
16 – Betty Lipe
16 – Bob Lipe

Oct

11 – Barbara Fite
19 – Doug Thompson
21 – Earl Petrikin
21 – Peggy Dill
24 – Meredith Myers ??
26 – Dolores Seagren
31 – Gary Ludwig



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: blipe@tampabay.rr.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? Whatever the reason, Blow your horn, show it off.



**Hear
Ye!
Hear
Ye!**



We would like to hear from you on what type of programs you want to see. Do you know of someone that can give a program? Please give us their name.

Who would like to help us with Publicity. We need to get our meetings into the local papers and get the Shell Show out there too.

How about helping us with the Holiday Party. We need someone to help us set up the room at Golden Corral. Do a sign up sheet so we know how many are coming and set up the deserts. Betty Lipe will help you.

Who would like to head up a committee for the Picnic, the Board will help you and it doesn't require much time on your part.

Do you have suggestions about our Shell Show, how can we get better attendance, how can we increase our membership...etc. Send us your best ideas.

E-mail John Jacobs johncheryl@earthlink.net or snail mail is just fine.