



-Under The Surface Newsletter-

Message from the President

We are getting ready for the next Florida Marine Aquarium Club meeting tomorrow, Saturday, June 8th starting at 2 PM with a great late lunch of Pizza, Salad, Garlic Rolls, and plenty of soft drinks, water, and fishy fun! Lifelong FMAS member Mr. Julian Sprung is our guest speaker who has a great new presentation for the club, and he might even slide in a few pictures of his recent diving trip to Indonesia. We also have Mr. Henri-James Tieleman of GNC BLURAY who will be bringing his company's awesome new Italian-made LED light fixtures which are sure to "light up" the warehouse! Don't miss this great FMAS meeting for sure! Dr. Charlie Gregory is bringing some free green neon toadstool frags for FMAS members to have for their aquariums to grow out and we of course will have the FMAS raffle after the speakers.

This past month was a whirlwind of travel for us as Joleen and I flew to Germany for the Interzoo Pet Trade show in Nuremberg, Germany which is the largest worldwide pet trade show that takes place every two years. At the show, we visited many aquarium industry manufacturer's booths including Tropic Marin, Sicce, Deltec, Seachem, Tunze, Two Little Fishes, Ocean Nutrition, Fauna Marin, Sander, New Wave/Abyzz/ITC Reefculture which had a great looking open top freshwater aquarium on display, De Jong Marinelife which had an awesome display of the multitude of aquacultured marine ornamentals that they offer for sale into the trade. There were also great interactions and meet-ups with David Saxby, Tony Vargas and Julian Sprung, Axel Tunze and Roger Vitko, Thomas De Jong, the Biota Team, Meerwasser Center Menzel, Bill and Joann Backus from A&M Aquatics, Dustin Dorton and Jordan Noe from ORA, we were also in attendance at the Ornamental Fish International annual meeting and numerous other aquarium industry professionals ALL coming to Germany to attend the show, see manufacturers products, and to learn more about aquariums!

The reason, or one of them, that we all have marine aquariums, is to learn and be mesmerized by the beauty of the underwater world. Only 60-70 years ago we could only see marine reef creatures when we might be fortunate enough to go snorkeling or diving on a real coral reef, and of course, FMAS was there from the very beginning of the marine aquarium hobby way back in 1956! We as a club are very fortunate to have some awesome members who are willing to share their aquarium knowledge freely with other members, and the club meetings are a wonderful way to meet fellow members, share a frag or two, and continue to learn all about the aquarium hobby that will continue to enlighten people about the oceans and natural coral reefs!

At our meeting tomorrow you can sign up for the annual "Turtle Release" that will take place on July 20th, see some great speakers and meet with fellow aquarists who all desire to share their aquarium knowledge and help YOU succeed with your dream marine reef aquarium.

We look forward to seeing you at the meeting!

Keep on Reefing,

Sincerely, Jeff Turner



INDUSTRY NEWS

Neptune Systems has announced some cool and helpful additions to its aquarium control sequence of products. The **DOS QD** and the **Trident NP**. Check out this [press release!](#)



Aperture Proudly Launches Two New Neptune Systems Products to Elevate Aquarium Keeping

May 30, 2024

new products from its flagship aquarium control and protection brand, Neptune Systems.

For over 25 years Neptune Systems has engineered and manufactured industry leading solutions for monitoring, controlling and protecting ecosystems. Neptune Systems products are trusted by tens of thousands of private, retail and commercial aquarists to monitor, control and protect their thriving ecosystems.



The first new product, **DOS QD** (QuietDrive), is replacing the current DOS 2-head dosing pump. Building upon the success of DOS, the **DOS QD** features significant performance improvements thanks to changes in pump operation and design with a focus on incorporating requests from customer feedback and experience. It also integrates EcoTech's best in class QuietDrive technology.

Key features:

- Quiet Zone dosing. When operating below 7 gallons of daily dosing, the DOS QD is barely audible in a normal setting, operating at levels which are between 150-400% lower than its predecessor
- 1.5 times quieter (4 dB) at slow speeds and over 4x quieter at high speeds (13 dB)
- Speeds in the quiet zone (less than 38 dB) now offer continuous duty (vs. DOS)
- 6 speed, 2 pump variable motors operating between 33-49 dB
- Large Diameter tubing for multiple use cases:some text
 - Additive Dosing
 - Water Changes
 - Liquid Food Feeding
 - CaRx (up to 11.41 gal per day at continuous duty)
- Works with Trident and Trident Controlled Dosing
- Requires an A2 or A3 Series Apex

The QuietDrive technology used to drive the DOS QD comes from Neptune sister brand EcoTech Marine. EcoTech first integrated the innovative technology in the VorTech propellor pump lineup to reduce operating noise and improve efficiency. The incorporation of this technology in the DOS indicates a greatly beneficial consumer benefit that comes from a more closely integrated aquatics industry.

"The DOS QD represents an important evolution of one of the most successful aquarium dosing pumps to better serve the modern aquarist." said Justin Lawyer, VP of Aperture Labs and Co-Founder of EcoTech. **"The DOS QD maintains what has made it successful for years and now leverages best in class, proprietary technology used in EcoTech products to deliver the same reliable and precise dosing, but quieter and with the ability to run continuously."**



Trident NP will join Neptune's well known Trident automated testing system and will test for Nitrate and Phosphate levels in aquarium water. To Neptune's existing customer base this represents one of the most requested new products. For the uninitiated, automated nitrate and phosphate testing will be an incredible new tool in monitoring and adjusting aquarium keeping behavior. Daily monitoring of nitrate and phosphate allows the aquarist to better address organics and waste in the aquarium. Unlike the dosing of reef building additives such as CA, Mg and Alkalinity which can be done quantitatively, nitrate and phosphate levels can be adjusted both with additives and neutralizers but also through a combination of behavioral adjustments including water changes and feeding.

"The Trident NP will greatly enhance the ability for aquarists to monitor, understand and ultimately control levels of nitrates and phosphates in their aquariums." said Allan Bazinet, Chief Technology Officer for Aperture "We're proud today to be able to deliver upon one of the most difficult to create and most requested products from our customers."

The Trident NP features:

- Proven Trident design features proven hardware and software.
- Fully integrates with Apex Fusion
- Automatically Tests (default) Nitrates and Phosphates once per day
- Reagents are available in a 2 month or 6 month packages

Both products feature a new aesthetic with a dark grey housing while maintaining the signature orange accents known and loved by Neptune users. Both products are engineered and assembled in the USA.

Monthly Science Article

Local Collecting:

A reminder to members that with a Florida fishing license from Fish and Wildlife, you are allowed to collect 5 animals per species of cleanup crew from Florida waterways per person per day. Things like Astrea (Lithopoma species) snails are common in grass beds off of Hobie Beach on Virginia Key in Miami for example. With the fishing license you can collect up to 20 live animals total per day and in some areas you can find multiple species such as emerald crabs and blue-legged hermits concurrently.

FMAS wants to encourage valuing the resource while abiding by Fish and Wildlife laws and recreating safely. Remember to bring a battery-powered bubbler and keep these animals submerged and cool during transport. Collecting our own clean-up crew specimens is good for a bit of exercise and lets us explore and appreciate the natural environments from which these animals come. Reach out to club officers if interested in more info and if there is enough motivation we may

Time series of local snails cleaning nano lionfish tank:



FMAS Member Aquarium of the Month



Name: **Alex Elder**

FMAS member since

What classification of marine aquarium do you have? *

Size *

Filtration Type

Reef Enthusiast

2016

Soft Coral Only

400g

Custom sump with refugium/ Skimmer model: Deltec

Describe your type of lighting, the intensity, and schedule.

Describe what you supplementally dose your aquarium.

What would you say is the important key to your success in the hobby? What is the best lesson you have learned?

Lighting: Radion G4's (5) 18K spectrum

Schedule: 6am-8pm Peak intensity: 9am-12 pm Ramp down: 5 hours

DSR EZ Calcium, DSR EZ Buffer, DSR EZ Trace
2 Little Fishies Sea Elements

What I have learned in this hobby is that the best way to ensure success is consistent parameters and regular observation.

The best lesson I have learned is that there is **no** substitute for spending time viewing your aquarium rather than relying on automation **only**.



FMAS 2024 Calendar

Florida Marine Aquarium Society



FMAS

June 2024 Meeting



June 8th, 2024 @2pm

Location: Chemipure/RAD/Jellyfish Art headquarters

Speakers: Julian Sprung

www.fmas1955.org

06/08/2024 2:00 pm - 5:00 pm

- [FMAS June Meeting](#)

07/20/2024 7:00 pm - 9:00 pm

08/10/2024 2:00 pm - 5:00 pm

- [FMAS Board Meeting](#)

09/07/2024 2:00 pm - 5:00 pm

- [FMAS September Meeting](#)

10/06/2024 11:00 am- 1:00 pm

- [Gumbo Limbo Tour](#)

11/09/2024 11:00 am – 2:00 pm

- [Open House Marco Rocks BBQ](#)

11/16/2024 2:00 pm - 5:00 pm

- [FMAS Board Meeting](#)

12/07/2024 2:00 pm - 5:00 pm

- [FMAS Meeting and Holiday party
“Old School” Frag Swap](#)



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