

Volume 1, Issue 7



-Under The Surface Newsletter-

Message from the President

Getting ready for an awesome FMAS event and BBQ tomorrow starting at 11 AM at the Marco Rocks facility in deep South Dade County!!! The weather is looking great for tomorrow's event with temps in the low 80's and no rain in the forecast.

A little history and fun facts about Marco Rocks: The company was started in Key Largo in 2008 related to providing Oolitic limestone rocks for the "live rock farming" industry offshore in the Florida Keys and expanded into creating pressure-washed rocks as dry base rock for marine reef aquarists that were starting a new reef tank. It was an interesting beginning for the "dry rock" business, and the founder of Marco Rocks, Marc Tetreault, knew he had to move somewhere into South Dade to agricultural land to expand the business to keep up with demand for their unique rock products. So, around 2015, Marc moved the business to the Homestead area and started a way bigger facility and production of awesome mined and pressure-washed oolitic rocks, expanding into a metal building that allowed the company more space to house finished rock products and better shipping options, with trucks coming in daily for outbound shipments to domestic distributors and to wholesale facilities worldwide. And then the company needed a much larger parcel of land and a bigger production facility, so they moved to where we are going tomorrow, and you won't want to miss this "once in a lifetime tour" of the great new Marco Rocks production facility and massive warehouse!!! Joe Capparatta will be giving a talk about aquascaping your aquarium and a larger discussion about their recent Marco Rock aquascaping of the massive new tanks being constructed at the new Mote Science Education Aquarium. There is a bunch of FMAS members coming to the event, and Julian Sprung confirmed he is going too and will be competing in the "rock scaping contest," with the winners getting extra servings of the "Marc's Special" pulled pork and fresh grilled Jamaican jerked chicken!! It's going to be lots of fun, and we look forward to seeing you tomorrow!!

Other FMAS news moving into December is our Annual FMAS Holiday Party happening at the Chemipure/RAD/Jellyfish Art/FMAS home base building on December 7th and it promises to be the largest FMAS event in several years with Nick McMahon, coral biologist extraordinaire from Mote Marine, speaking about their Coral Gene Banking operations at Mote. We will have the La Paella team cooking their awesome Paella again this year, and we also will have the smokers operating with smoked briskets and lots of awesome food for somewhere close to 100 + FMAS and team members. We have an Old School Frag Swap planned for the event, and if you are interested in bringing coral frags for the event, please send an email to us for more details about joining.

We look forward to seeing you tomorrow at the FMAS Marco Rocks tour and BBQ!

Best Fishes,

Sincerely, **Jeff Turner**

INDUSTRY NEWS



ESTIMATED NOVEMBER 2024 LAUNCH

The **HYDROS Maven** is an advanced aquarium controller tailored for saltwater aquariums. Unlike traditional testing methods, it automatically tests crucial water parameters with precision and consistency. This stand-alone device eliminates the need for aquarists to perform regular manual water tests, saving both time and effort. The Maven does not require another controller to function, making it a seamless addition to any aquarium setup.

With its continuous monitoring capabilities, the HYDROS Maven significantly enhances aquarium stability by providing real-time, accurate readings of key water parameters. These readings help ensure the health and balance of the aquarium environment, reducing the risks associated with unstable water conditions.

In addition to its testing capabilities, the Maven can be integrated with the **HYDROS System** to manage dynamic dosing schedules and other aquarium variables. This connectivity allows aquarists to automate adjustments and maintain optimal water chemistry effortlessly.

The **HYDROS Maven** automatically tests and monitors the following parameters:

- **Alkalinity (dKH)**
- **Nitrate (NO₃)**
- **Phosphate (PO₄)**
- **Calcium (Ca)**
- **Magnesium (Mg)**

By providing precise, real-time insights into the aquarium's water quality, the HYDROS Maven ensures that aquarists can maintain a thriving, healthy environment for marine life, without the constant manual intervention typically required for water testing.

In marine aquariums, maintaining optimal water quality is essential to ensure a healthy environment for fish, corals, and other marine life. One tool that has become popular in achieving this is the UV sterilizer. UV sterilizers use ultraviolet (UV) light to kill or inactivate microorganisms, providing several benefits to aquarium health. Here's how they work and why they're valuable.

How UV Sterilizers Work

UV sterilizers are typically installed in-line within an aquarium's filtration system. Water flows through the sterilizer, where it is exposed to a UV light tube. This UV exposure damages the DNA of microorganisms like algae, bacteria, and certain parasites, preventing them from reproducing and spreading. The process is safe for aquarium inhabitants because the UV light is enclosed and only affects the organisms in the water passing through it.

UV sterilizers effectively reduce free-floating algae, helping to keep the aquarium water clear. While they won't prevent algae growth on surfaces, they minimize the spread of algae blooms that can cloud water and reduce light penetration, which is essential for corals.

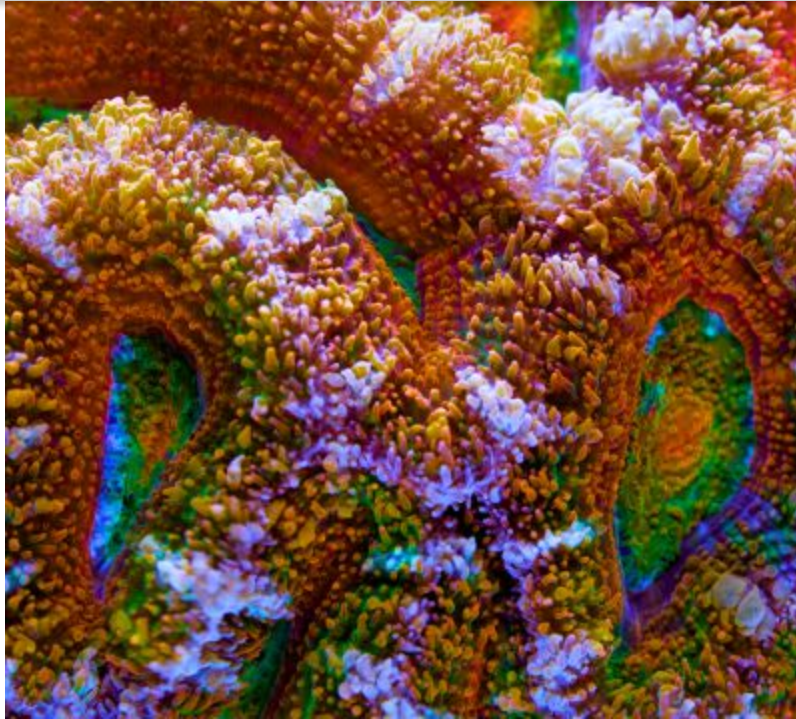
In marine tanks, diseases like ich and marine velvet can quickly spread. While UV sterilizers don't eliminate all parasites, they reduce the number of free-swimming pathogens in the water, lowering the risk of disease outbreaks and improving the overall health of tank inhabitants.

By reducing bacteria and algae, UV sterilizers contribute to cleaner water with fewer organic compounds. This creates a more stable environment with lower maintenance demands, as the sterilizer helps prevent bacterial overgrowth.

For those seeking a chemical-free approach, UV sterilization is an excellent alternative. It reduces the need for algaecides and other treatments that could impact sensitive marine organisms.



Photo of the Month



Acanthastrea Lordhowensis macro shot!

Coral Magazine

FMAS 2024 Calendar

Florida Marine Aquarium Society



FMAS
November 2024
Special Event



November 9th, 2024 @11am
Location: Marco Rocks Headquarters
Facility Tour and BBQ

www.fmas1955.org

11/09/2024 11:00 am – 2:00 pm

- [Open House Marco Rocks BBQ](#)
- <https://fmas1955.org/events/open-house-marco-rocks-bbq/>

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

- [FMAS Board Meeting](#)

- [FMAS meeting and holiday party.](#)
"Old School" Frag Swap



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