

Volume 1, Issue 1



-Under The Surface Newsletter-

Message from the President

Wow! It's been a great beginning to 2024 for the Florida Marine Aquarium Society!

We have had some incredible changes take place over the last few months. The FMAS Board, and the FMAS members, all voted and agreed to changes to the FMAS By-Laws at our last meeting on March 9th, 2024 that now allow for any member, under certain circumstances as detailed in the By-Laws, (See the updated and approved 2024 FMAS By-Laws on the website.) to become an FMAS officer. Which now has me as President, Herman Jordan as Vice President, and Dave Thompson as Secretary/ Treasurer. Bobby Dickman, a long-time FMAS member, has also offered to hold the Secretary's office, and we will look to vote him in at our next general meeting on **June 8th**. The new home address and meeting place for FMAS is 3510 NW 53rd, Fort Lauderdale, FL 33309

Through the club's now **69 years** of continuous operation in South Florida, we have been through many changes. The club was established in **1955** as the very first marine aquarium club in North America, and most probably the first ever marine aquarium club in the world. In this month's newsletter, we are featuring a scanned copy of the very first FMAS Annual Show Book that dates to **October 7th, 1956**. There are some fascinating short articles, information, and ads from various individuals who originally started the club and I think that you will find it a very interesting read.

We are moving into a new direction with the club, with awesome contributors and long-time members, who all desire to help the club evolve into a multifaceted aquarium club that involves the aquarium hobby, marine sciences, coral aquaculture and restoration efforts, and marine science students throughout South Florida. We intend to continue moving forward in a very positive direction to help facilitate and encourage aquarists to become proficient in housing and caring for marine organisms in their aquariums and for our members to support all aspects of ocean conservation, coral reef restoration, responsible and regulated wild-caught fisheries, and the continued advancements in all areas of marine ornamental aquaculture.

Through my lifelong involvement and support of FMAS, I have, with the support of my family, friends, and team members of our aquarium companies, taken over the role of President of the Florida Marine Aquarium Society with the greatest respect for our extensive history that all our members should be very proud of. I certainly am dedicated to the future of the club and know firsthand how important the club was to my future, and my lifelong vocation, as a responsible marine aquarist from the very beginning when my brother John Turner and I won Best in Show at the **1971** FMAS Annual Show!

We all love looking at a beautiful living coral reef aquarium, diving somewhere locally, or diving on a beautiful coral reef in some other part of the world. The Florida Marine Aquarium Society, and our members, have evolved into a wonderful group of conscientious marine aquarists who have so much to

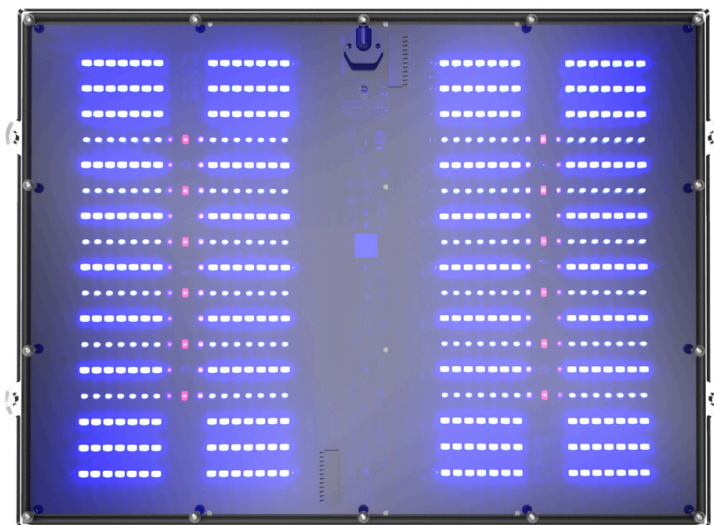
Sprung.

We look forward to seeing you at the FMAS meeting!



Sincerely, **Jeff Turner**

INDUSTRY NEWS



In an amazing collection of news and revolution, GNC Bluray has provided a press release for the Bluray X and Bluray XM lighting sequence that uses Sun and Moon Phase geolocation technology to enhance the aquaculture industry as it pertains to the further propagation of coral for the hobbyist, and of course at a much larger scale as well! Here is the impressive press release explaining further.

Press Release: GNC Srl. Italy and GNC Bluray, Inc., Miami Florida, manufacturer of innovative LED luminaires now partners with Blue-Tech Innovator Aquascapers for the Aquaculture and Coral Reef Protection industries, and Aquarium Industry manufacturer Two Little Fishies.- Interzoo Nuremberg, Germany, May 6th, 2024 – **Hall 4 Stand 236** Two Little Fishies

GNC Srl of Assisi, Italy, and **GNC Bluray, Inc.** of Miami, Florida, USA, emerge as pioneers in Blue-Tech, spearheading cutting-edge LED lighting solutions for coral sexual reproduction in captive aquarium environments. GNC Bluray, in partnership with **Aquascapers, Inc.**, an innovative blue-tech enterprise founded by Colin Foord, amplifies coral conservation efforts by offering energy-efficient, highly water-resistant LED Luminaires that replicate the essential wavelengths and conditions required for **coral spawning** to enhance reef restoration efforts worldwide. The GNC luminaires are not only energy efficient, they also avoid using fans for cooling, so they eliminate a common failure point for lighting used over coral reef aquariums in coral farms, public aquariums, and homes. The lack of cooling fans means they operate silently.

of their groundbreaking products. Notably, GNC Bluray and Aquascapers introduce the pioneering **neeos app**, providing the unique and exclusive capability of Sun and Moon Phase geolocation to match corals' native lunar and solar cycle, which facilitates the promotion of spawning in captivity.

GNC Bluray, Inc. introduces its flagship product lines to the US market, showcasing the new Bluray X and Bluray XM lighting series complete with a comprehensive mobile application utilizing Wi-Fi and Bluetooth connectivity. These state-of-the-art LED lights are meticulously crafted to address the specific requirements of coral reproduction, ensuring optimal conditions for marine enthusiasts, public aquariums, and research institutions. Central to GNC Bluray, Inc.'s strategy is collaboration, with plans to establish partnerships with distributors and retailers within the aquarium industry, thereby ensuring widespread availability of its innovative products. Tailored approaches will be developed for coral reproduction initiatives, aligning with the distinct needs of scientific research entities and organizations.

Moreover, GNC Bluray, Inc. will emphasize operational efficiency in its production and explore a "Made in the USA" product in collaboration with long established Aquarium industry manufacturer **Two Little Fishies, Inc.** This approach will combine US assembly with "Made in Italy" R&D and Design benefiting additionally from Two Little Fishies logistic and distribution capabilities, offering a competitive edge that aligns with market expectations.

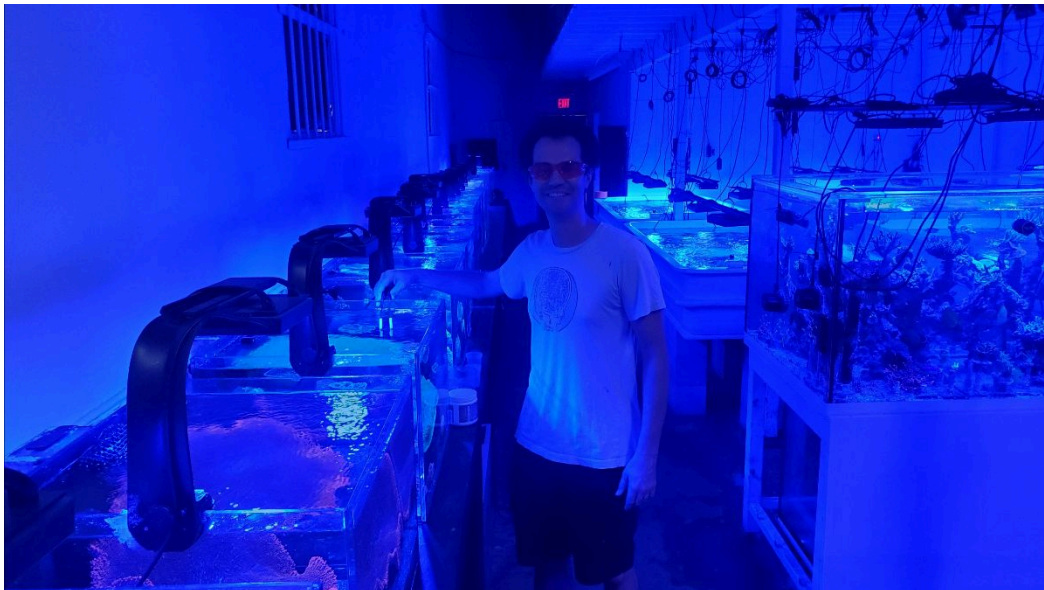
GNC Bluray, Inc. is not merely entering the market; it is embarking on a journey to significantly contribute to coral conservation efforts. The company's unwavering commitment to sustainability, innovation, and customer satisfaction positions it as a key player in the US and beyond in the aquaculture industry.

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Monthly Science Article

Anglerfish Reefs:

Was it Julian Sprung that said that even killer whales are reef safe? Occasionally we run into the stray reef accommodating lionfish, clown triggers, eels, and other predators. Usually, these aren't nano tanks (less than 30 gallons) but there is a sneaky predator that is well suited to small reefs, albeit usually as a standalone fish.

Enter Anglerfish. As a single specimen (monotypic fish) tank character, these fish do quite well.

change colors and patterns to camouflage into their habitat which is fascinating to watch over weeks and months as they meld into your aquarium's coral, algae, or artificial decor.

Ultimately, most shallow anglerfish species can get to the size of a softball but because they hardly move, a small tank does suffice to responsibly accommodate these characters. Quarantining with copper and praziquantel for 12 days is important as anglers regularly come in from nature with parasites. Weaning these fish from live food can be done by putting ghost shrimp onto a wire in front of them then, once they enthusiastically eat from the wire for a few days, switching that with something comparable sized frozen/thawed/fresh dead. While it has been done, ideally do not house anglerfish with long tentacled stinging corals or anemones as they may get burned.

Once acclimated and eating, watch as these fish walk around, perch, blob around using neutral buoyancy, and get excited about feeding time as they get used to your aquarium routines. They are truly a remarkable and interesting reef denizen and if done correctly, a rewarding central character in a nano reef tank.

Dr. Charles Gregory



"A 1" anglerfish (likely *Histiophryne* sp.) weaned, quarantined, and going into a red algae tank. *Be sure to stay updated in future newsletters for the color change progression.*



FMAS Member Aquarium of the Month



The aquarium set to be highlighted this month is Reef Aquaria Design's 2000g lobby aquarium here at FMAS headquarters in sunny Fort Lauderdale, FL. Here are some of the questions and answers you may have looking at this incredible **custom** aquarium!

Owner: Jeff Turner

FMAS member since: 1962

What classification does your aquarium have?: SPS dominant

Filtration Type: large glass sump with all Deltec filtration equipment, Aqualogic split AC system, 200-watt Aquaultraviolet UV, Algae filter, 8-MP-60's, Abyzz Flow Cannon, custom RAD Kalk-stirrer system, Apex systems, cooled feeds dosing system, with twin 165-gallon vats.

What are your favorite fish/coral in your aquarium?: My favorite fish in the aquarium are a 4" pair of Black Cap Basslets that appear to be nesting in the aquarium from time to time. My favorite corals in the aquarium is all of the colorful SPS and LPS that are constantly growing

Describe your type of lighting, the intensity and schedule: 12- Radion Gen 5 and 8- Radion Gen 6 LED's on a modified TSA schedule operating 12 hours daily at 75 % intensity max in the middle of the day. Lights start at 7 AM and are off by 7 PM.

Describe what you supplementally dose your aquarium: Deltec CRTT 10,000 calcium reactor operating automatically and in sync with the kalkstirrer that operates only at night administering 10.3 gallons for the average daily evaporation rate in the aquarium. We are also dosing buffer as needed, strontium, magnesium, acropower, manganese, and ez carbon.

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

Here is a link to a video made about this stunning aquarium: [RAD 2000g Video](#)

FMAS 2024 Calendar

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

- [FMAS June Meeting](#)

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

- [FMAS Turtle Hatchlings Release \(John U Lloyd\)](#)

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



CORAL GIVEAWAY!

Green Toadstool Leather Grow-out Contest

15 contestants will receive free bright green toadstool leathers at our next June 8th meeting to grow out for the contest.



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Florida Marine Aquarium Society is a charitable 501c.3 organization

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