

Fish 'N' Chips

A Monthly Marine Newsletter
March 2006 Issue

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From Liz

By Elizabeth M. Lukan 03/06/06

Tank Showcases: I haven't received any photos in a long time - we haven't had a showcase at all for 2006 yet! If you want to send in a photo or photos of your tank or a prize specimen, visit <http://www.marinefiends.com/submittank.html>. If I don't get any soon, I'm going to assume that no one wants me to do these anymore, and I'll just stop asking.

Site List: I don't know if anyone's even noticed but I haven't been updating the site list lately. The reason? I haven't been happy with it. It's a pain in the butt to maintain and I have been busy with my web design work (see [High Aspirations, Inc.](#)), life in general, and making an effort to get these newsletters done earlier. I'm thinking about redesigning it with the goals of making less categories therefore less things for me to check on a site before adding them to the list. Yes, I check each site personally and only add those that are actually fish related. I'd like to give priority to those sites that link to me and support Fish 'N' Chips by letting me publish their stuff but haven't quite figured out how to do that yet (my web based database skills are still in the novice category). I'm still in the mulling-it-over stage but figured I'd let everyone know why there haven't been any new sites added lately. If you'd like to pipe in with any comments, suggestions, etc., drop me an [email](#).

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A Short & Sweet Review

Coralife 96 Watt Power Compact Quad

By Corrie F., 08/02/2005

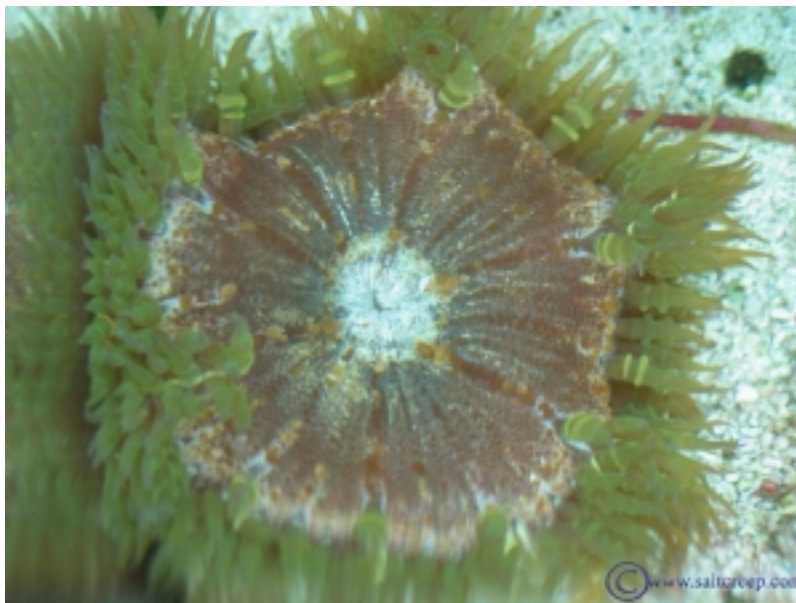
Edited By Elizabeth M. Lukan, 02/17/06

General:

I used this light exclusively for well over a year with good results. A total of 96 watts made it ideal for five or ten gallon nano tanks. I used this fixture with my ten gallon tank. I was able to keep a pretty large array of corals including softies/lps to even a few digitas and an Atlantic Flower Anemone.

Examples:





Pros:

Seems to be made for a nano. Has a very sleek design. Is enough watts to provide for a large array of corals. Can be used further down the road for a nice mod.

Cons:

It is a power compact which means no matter the wattage the par is limited. If you ever want to do sps or corals that require high amount of par you would need to upgrade. The bulbs are expensive and need to be replaced every six months. The original bulb that comes with the unit claims to be actinic but really isn't leaving the owner to purchase a Sunpaq bulb for true actinic.

Editor's Comments:

Editing was limited to spelling corrections and some grammar (capitalizing the beginning of a sentence, adding a period at the end, etc.). No other editing was done, what you read was exactly what was written by Corrie.

The Coralife 96 Watt Power Compact Quad is a product of Energy Savers Unlimited and is listed on their website under "Coralife / Compact Fluorescent Lamp Fixtures / Aqualight Deluxe Series - Double Linear Strip - 20" AQUALIGHT - 50/50 4-TUBE (QUAD)." More information and an image of the product can be found at <http://www.esuweb.com/cardfile.asp?ItemNumber=53101&IDProductRelationship=36>.

Please visit Corrie's site for this review, forums, and much more. Corrie's Saltcreep can be found at <http://www.saltcreep.com/>



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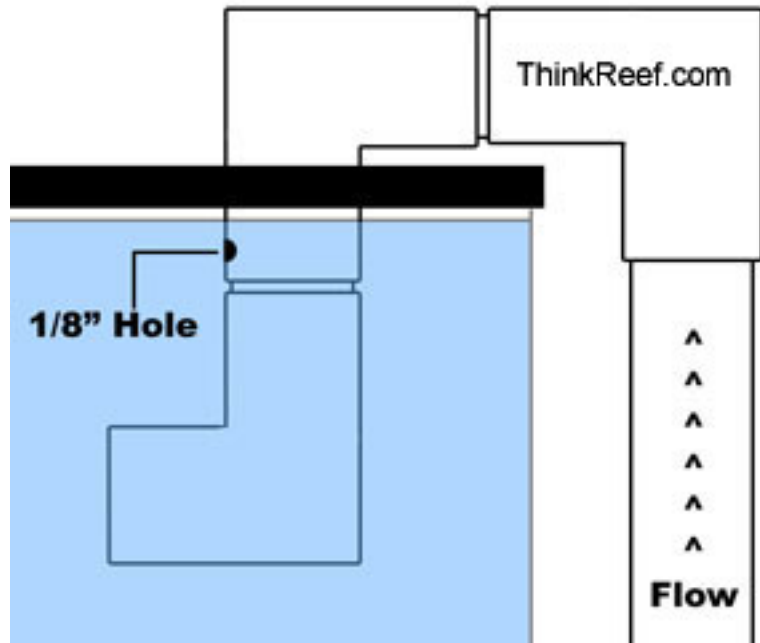
Doin' It Yourself!

Back Siphon

By Brad Leyten, 08/04/05

Edited By Elizabeth M. Lukan, 01/13/06

When your return lines to the main tank go up and over the back glass you risk the possibility of the tank back siphoning. If the power goes out or you shut the power off to your pump, the tank will back siphon till the water level is low enough for the pipe to draw air into it. If your sump is not large enough to handle the volume, then you will be cleaning up saltwater from your floor.



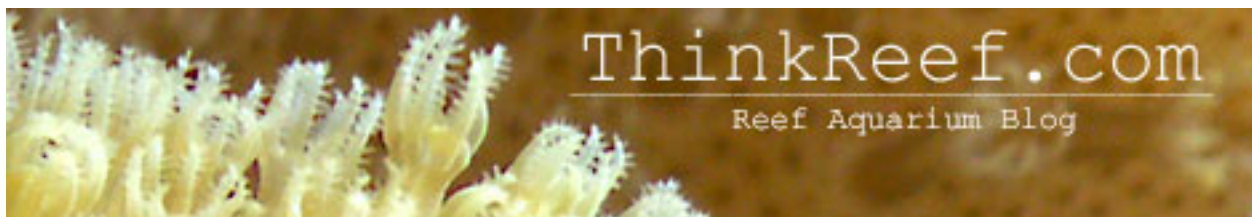
Every inch of water depth on a 48"L x 18"W tank is about 4 gallons of water.

A way to help prevent back siphoning (besides check valves that are prone to fail) is to drill a hole about 1/8" in the return line(s) just below the water level (like in the picture). By doing this, the pipe will drain far less water before the pipe draws air and the siphon breaks. You may require a hole larger than 1/8". After you drill the starting hole you can test if it is working properly by briefly turning your pump off. If the back siphoning stops when the water level is at the drilled hole, then it is working properly.

Editor's Comments:

The above article is the property of Brad Leyten and has been republished with his permission. My editing was limited to checking spelling and grammar (if applicable) and putting the article into the Fish 'N' Chips format.

Please visit Brad's site for this article, a collection of beautiful photos and much more. Brad's Think Reef - Aquarium Blog can be found at <http://www.thinkreef.com/>.



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Caught In The Net

By Elizabeth M. Lukan 03/06/06

New Stuff Found

Advanced Aquarist's Online Magazine (<http://www.advancedaquarist.com/>):

- Volume V, Issue II, February 2006 - <http://www.advancedaquarist.com/2006/2>

A New Look

Adopt-a-Beach and Beachwatch

The Marine Conservation Society (MCS) launched a newly designed website for their Adopt-a-Beach and Beachwatch initiatives.

Wallpaper of the Month



Title: traveler

Copyright: [Reefs.org](http://www.reefs.org)

Link to Wallpaper: <http://www.reefs.org/phpBB2/download.php?id=4970>

You must have a Reefs.org Login to get this wallpaper.

Marine Aquarium Council Update

Fourth Quarter 2005

Director's Note

Achieving a balance between the supply and demand for MAC Certified organisms is one of the biggest challenges facing MAC. Therefore, MAC is focusing the bulk of its efforts on improving the volume, variety and quality of

MAC Certified organisms from coastal communities in countries like the Philippines and Indonesia. Importers and retailers are continuing to voice their support in increasing numbers for a marine aquarium trade based upon quality and sustainability. They are doing this by 'signing on' to MAC Certification and submitting the "MAC Statement of Commitment and Support" in a steady flow. Over seventy (70) importers and retailers from eleven (11) countries have committed themselves to the MAC initiative, despite the limited and inconsistent supply of MAC Certified marine organisms available in 2005.

One of the main reasons for the continued interest in MAC Certification is that companies involved in the buying and selling of marine ornamentals are realizing the inherent benefits from adherence to the MAC Handling, Husbandry and Transport Standard (HHT). As Christian Cosvas, owner of *Abris Sous Roche*, a recently Certified retailer (France), puts it "MAC and its international Standards represent a great tool that I have adopted to fully handle marine ornamentals and to manage traceability within my facility. The MAC Certification has allowed us to take a major step toward managing our marine organisms to ensure the best conditions and the usage of best practices".

Even though companies may already have extensive experience and knowledge in the handling and husbandry of marine organisms, they have found that working to the MAC HHT Standard helps them to organize their facility operations and documentation to address issues such as traceability, mortality tracking performance and interaction with suppliers. According to Martyn Else, from the recently Certified importer *Tidal Life* (UK), "The MAC Certification allows us to follow in more details our activities within our facility and thus optimize our efficiency, and respond to the market's demand. We have developed a tighter relationship and better communication with our suppliers".

These improvements enable the industry to better respond to calls for more responsible and accountable trade in living marine animals. Through their demand for verified responsibility and sustainability, importers and retailers that become MAC Certified are leading a wave of change for the future of the marine ornamentals trade.

Governance

MAC Board of Directors for 2006

The MAC Board of Directors met in December 2005. The Board elected several

new members to fill vacancies created, as several Board members retired from the Board due to the 'term limits' of two consecutive three-year terms. MAC seeks to maintain a diversity of Board members representing the scope of stakeholders and geographic areas important to MAC's mission. A majority of these stakeholders must be non-industry affiliated. Steven Broad, Executive Director of TRAFFIC International, was elected as the new Chair of the MAC Board.

The current MAC Board members and the organizations with which they are affiliated are as follows:

- John Brandt, Secretary (*Marine Aquarium Societies of North America*)
- Steven Broad, Chair (*TRAFFIC International*)
- Christopher Buerner, Vice Chair, Industry (*MAC Certified Importer*)
- Svein Fosså (*Scandinavian Pet Trade Union*)
- Randolph Goodlett (*American Marineline Dealers Association*)
- Scott Hajost (*IUCN - World Conservation Union*)
- Alex Ploeg (*Ornamental Fish International*)
- Joko Purwanto (*AKKII - Indonesia Coral, Shell and Ornamental Fish Association*)
- Jan Steffen (*UNESCO Southeast Asia; TERANGI - Indonesia Coral Reef Foundation*)
- Lolita Ty (*Philippine Tropical Fish Export Association*)
- Frank Vorhies, Treasurer *pro tem* (*Conservation/Business Consultant*)
- Doug Warmolts, Vice Chair, Non-Industry (*AZA - American Zoos and Aquariums Association*)
- Alan White (*Coastal and Coral Reef Management Consultant*)

Key MAC Board Members Retire

At the end of 2005, leading MAC Board members Bruce Bunting, Keith Davenport and Marshall Meyers retired at the end of their second three-year terms, as required by MAC By-laws. Marshall Meyers, of the *Pet Industry Joint Advisory Council* (PIJAC), served as the first MAC Board Chair and was a key figure in the consultative group that led to the formation of MAC. Bruce Bunting, from *World Wildlife Fund US* (WWF), became the second MAC Board Chair and has been active in his guidance of MAC's growth during the past three years. Keith Davenport, from the *Ornamental Aquatic Trade Association* (OATA), has been heavily involved in the development of MAC from the very beginning, and has been a very active supportive Board member, especially in his role as Board

Treasurer. MAC owes much to Bruce, Keith and Marshall for the time and effort they have put into developing and guiding the organization. We cannot thank them enough. We wish them all the best.

Indonesia Update

Bali Fish Collectors Receive Certificates

One hundred and thirty-nine (139) collectors, from three collectors groups and two collection areas in North Bali, took part in the first MAC Certification graduation ceremony in Indonesia on November 22, 2005. The collectors were invited on stage, set up by the local government, to receive their certificates. Six (6) exporters' representatives also attended the graduation. The certificates were presented by the Head of Buleleng District and the Director of Conservation and Marine Parks from the Marine Affairs and Fishery Department. MAC staff also manned an information stand with a display of photos and fishing gear. The event generated much local media interest. The pride and happiness shown by the collectors when they received their certificates created a feeling of hope and optimism among those that attended the event. At a time when fuel prices had just been doubled, this was the sort of boost needed by the collectors and exporters. Now more than ever, they will need to be paid a fairer price for their fish if they are to continue to participate in a sustainable and responsible fishery.

MAC Indonesia Extends its Range of Operation

MAC and its partners will expand their range of work to West Sumatra and Sulawesi next year, after conducting site scoping surveys in both areas. The selection of new areas involved the participation of MAC Certified exporters who have already established trade in these areas through their local representatives or in cooperation with local traders. The fish variety available from West Sumatra includes many species from the Indian Ocean. Around Sulawesi there are also significant collection areas for many hard coral species. In both of these areas, MAC will work with "resident rovers", who fish in the collection areas near to where they live, and also rove to collect at other sites in the surrounding waters. These collecting areas are within sixteen (16) hours boat journey of their resident villages. Collection Area Management Plans (CAMP) will also be developed for the reefs where they collect.

One of the challenges of working with roving collectors is ensuring that they are able to maintain the health of the collected organisms during the long sea

journeys. Cyanide use is prohibited and net-only capture methods are required. Another issue with roving collectors is the question of how they can be encouraged to be more responsible for the marine resources in areas far from their home villages. In training them to dive more safely, collect more carefully and selectively and then transport their catch in ways that significantly reduce mortality, a responsible fishery is being developed. As MAC's operations spread into more regions of the archipelago, other collectors, suppliers and exporters are closely watching the work. MAC continues to receive expressions of interest in its work from people operating in other areas of Indonesia. With growing support from the industry, the vision of a responsible and sustainable marine aquarium trade in Indonesia is moving closer to reality.

Coral Harvest Assessment and Monitoring

In working together to develop a resource monitoring protocol for the Indonesian coral trade, MAC and Reef Check gave a presentation about the MAQTRAC protocol to the Indonesian Scientific Authority in Jakarta. Many aspects of coral harvest were discussed, including monitoring collection areas, establishing rational quotas, and developing management plans for coral collection areas. The discussion was also attended by Dr. Suharsono and Dr. Terry Done from the 'COREMAP' project of the World Bank, the Asian Development Bank, and the Indonesian Government.

Philippines Update

Ensuring Good Post-Harvest Quality in Marine Ornamentals

The quality of marine ornamentals depends not only on the use of the proper non-destructive collection methods, but also relies on the post-harvest handling, packing and transport. To ensure a steady increase in quality and continuity in these improvements, an extension and quality program has been recently launched in the Philippines. To address these issues a follow-up program has been developed by the MAC Philippines Extension and Quality Manager, Christiane Schmidt.

One of the first steps has been surveillance visits to collection areas to gain information on quality control and assurance issues, and then to identify and implement response measures. For example, one major issue is the stocking of organisms at the village locations after collection and before transport to exporters. In response to this, MAC and Certified collectors and companies are

working together to design and develop holding facilities appropriate to different areas (e.g. floating net pens, suspended cages, and land-based facilities). To address issues arising from the lack of skills at the collection level, internships at MAC Certified exporter facilities are planned for MAC Certified collectors and the coordinators, who are responsible for screening and packing, to provide training in best post-harvest handling practices. Moreover, to tighten the link between collection areas and their customers, exporters will help collectors to understand the criteria for screening fish and the ways to avoid fish being rejected. Finally, this training period will be completed by an on-site training supervised by the MAC Area Managers and the Extension and Quality Manager.

A new module of the MAC training program for collectors is now devoted exclusively to quality issues and post-harvest handling practices. This program will be extended to include work with exporters in order to guarantee the flow of high quality MAC Certified organisms along the entire MAC Certified chain of custody.

Pacific Update

Moving Certification Forward in the Solomon Islands

The WorldFish Center (WFC) with MAC, World Wide Fund for Nature (WWF) and the Solomon Islands Fisheries Department will undertake a three year New Zealand Agency for International Development (NZAID) supported project on capacity building. The goal of this project is to achieve a responsible marine aquarium trade that supports sustainable livelihoods and poverty reduction in parts of the Solomon Islands. The MAC related aspects of the project will include:

- Training in the Collection Area Management Plan (CAMP) development and compliance with the MAC Ecosystem and Fisheries Management Standard (EFM) for fish collectors and community stakeholders in areas where fish are collected;
- Training in fish collection methods, post-harvest handling, packing and other aspects of compliance with the MAC Collection, Fishing and Handling Standard (CFH), for those engaged in collection of specimens from the wild;
- Providing advice on methods used by participants involved in aquaculture for marine ornamentals that will be in compliance with the Mariculture and Aquaculture Management Standard (MAM); and
- Training in the process to achieve compliance with the MAC Holding,

Husbandry and Transport Standard (HHT) for exporters based in Honiara.

The project will enable collectors of marine species for the aquarium trade, aquaculturists and exporters involved in the project to apply to be assessed for compliance with the relevant MAC Standards.

Certification Follow up in Fiji

Post-certification work continues with the two MAC Certified exporters to follow up on the use of the MAC Label and chain of custody issues. The exporters' main challenge relies on their compliance with existing aquarium trade policies and guidelines set by the Fijian Government, in particular the ones in relation to CITES. This includes resource-based quotas for live coral and live rock species.

Europe Update

European Importer and Retailer Interest in MAC Certification Increases

Along with the successful Certification of six (6) European importers and retailers in 2005, many more industry operators have publicly announced their interest to become MAC Certified, by signing the "Statement of Commitment and Support" (SOC). Three exporters from three countries, as well as eight (8) importers from five (5) countries and six (6) retailers from three countries have signed this public statement of interest in MAC Certification. All companies that have signed the SOC are listed on the MAC website at <http://www.aquariumcouncil.org/subpage.asp?page=167§ion=3>. The total number of SOC signers now stands at one hundred and thirty two (132) companies from twenty-three (23) countries.

To facilitate the submission of the SOC to the MAC Secretariat, this form can be completed online from the MAC website in English, French, German, Italian or Spanish at: <http://www.aquariumcouncil.org/subpage.asp?page=17§ion=3>.

SIZOO: the Spanish Pet Industry Trade Show

In October 2005, MAC was invited and supported by the SIZOO's organizers to participate in this major biannual Spanish pet trade show in Barcelona, which included a special aquarium seminar. For aquarium industry operators at the seminar, the MAC Executive Director, Paul Holthus, made a presentation on the

MAC Standards and outlined the steps necessary to follow in order to become MAC Certified. In addition, he was interviewed for several Spanish publications and was able to meet many of the aquarium professionals attending this event.

North America Update

MAC at Backer Christmas Pet Industry Trade Show 2005

Thanks to the generous support of H.H. Backer Associates Inc., MAC attended the annual Backer Christmas Trade Show with its booth and presentations at the Backer Industry Seminar Series, in Chicago in October 2005. Mark Schreffler, MAC Certified Supply-Demand Director, participated in a co-presentation with Joe Olenik from Hoffer's Tropic Life Pets (Wisconsin). Olenik presented a paper on reducing mortalities in freshwater and marine fish, while Schreffler focused his presentation on the status of organism handling and transport in the Philippines and Indonesia. The seminar attracted a large audience and many of them took opportunities after the session to approach both presenters for further questions.

This trade show was well attended with a record turnout of both visitors and exhibitors including three MAC Certified importers and one MAC Certified exporter. The MAC booth attracted a large number of visitors. Attending retailers also expressed interest in the MAC Certification program, subscribed to the MAC News and signed the MAC Statement of Commitment and Support (SOC).

A Live Interview Evening at Tropical Resources Website

Tropical Resources dedicated the month of December to Conservation Efforts. The *Tropical Resources* website chose to share one of their special live chat interview evenings with MAC Executive Director, Paul Holthus.

On December 17th at 8:00 pm EST, Cindy Williams, owner of *Tropical Resources*, welcomed Holthus in the chat room. After conducting a live interview about MAC activities and programs, several marine hobbyists joined the discussion to share their growing interest towards MAC.

Thanks to *Tropical Resources* and this exclusive pleasant evening, MAC was able to familiarize the website members about the existence of sustainable reef management through a responsible trade.

From now on, the participants know that they can seek MAC Certified marine organisms at their local retailer and thus become supporting pillars of MAC and its Certification program growth.

For the ones who were unable to participate in this live interview, *Tropical Resources* and MAC invite you to visit the *Tropical Resources* website where the interview has been reported, at: http://tropicalresources.net/phpBB2/interview_mac.php.

Communications and Outreach

German Version of the MAC Hobbyist Kit Now Available

For the German speaking countries and their hobbyists, the German language version of the MAC Hobbyist Kit is now available. The Hobbyist Kit is designed to raise awareness among marine aquarium keepers and clubs about the issues affecting the future of the marine aquarium hobby, as well as introducing MAC and creating an understanding of MAC Certification. German speaking hobbyists and clubs and others are invited to contact MAC at info@aquariumcouncil.org in order to receive a copy.

Clubs can use the kit to focus a meeting on MAC Certification and the role of hobbyists in ensuring the marine ornamental trade is responsible and sustainable. This kit includes a "PowerPoint" presentation about MAC and its programs, an accompanying narrative document, a MAC background file, a marine ornamental trade fact sheet, a FAQ on the MAC International Standards and a survey to be completed after the meeting. The MAC Hobbyist Kit is also available in English and French, upon request at info@aquariumcouncil.org.

MAC and the European Union Aquarium Curators (EUAC)

MAC presented its programs and progress at the EUAC yearly meeting, held at the *Oceanario de Lisboa*, Portugal (September 27 to October 2), where more than one hundred and thirty (130) public aquarium specialists from twenty five (25) European countries met.

As part of the opening session dedicated to conservation issues, the MAC Communications Director, Nathalie Gamain, made a presentation on "Public Aquariums and Marine Aquarium Council Certification: A Partnership for

Ensuring a Sustainable Marine Ornamentals Trade". This presentation focused on the existing and future synergy between MAC and the European public aquarium community.

To ensure that this partnership develops and maintains momentum, a MAC-EUAC working group met for the first time to link the public aquarium community in order to move towards a sustainable marine ornamental trade. Specific actions are being initiated by this working group: supporting MAC Certification through acquisition policies, studying the public aquarium demand versus the hobbyist market demand and determining the role of public aquariums as importers that can support MAC Certification. Some institutions, such as the *Oceanario de Lisboa* have already started to adapt their policies. "When our Institution needs to populate its tanks with marine ornamental organisms we prefer to contact MAC Certified operators in Europe. This is part of our quality seeking strategy and also supports a more responsible marine ornamental trade, which we try to enhance at our aquarium", says Nuria Baylina, Curator of the Eco-Management and Audit Scheme (EMAS) award-winning *Oceanario de Lisboa*. Another action covers increasing public awareness about the marine ornamental trade issues through exhibits. A General Statement of Support has been developed specifically for public aquariums to publicly announce their support toward MAC Certification and its international Standards. This form is available upon request at info@aquariumcouncil.org.

MAC Debuts at the Underwater World Image Festival

The 32nd Underwater World Image Festival, held from October 27-30 in Antibes, France, authorized MAC to distribute information to international press representatives and display MAC brochures at each exhibitor's booth. This gave MAC the opportunity to enhance its presence and outreach in France, but also to international marine hobbyists who attended this annual event. The MAC Communications Director, Nathalie Gamain, held meetings with press representatives and organizations, in order to familiarize them with MAC Certification and the international Standards.

The UK Public Aquarium Community Raises its Interest for MAC

Dr Heather Koldewey, Senior Curator, *Aquarium of the Zoological Society of London*, gave a presentation on behalf of MAC at the National Aquarium Workshop hosted by *Anglesey Sea Zoo*, Wales (November 19-20). The conference had over one hundred (100) delegates representing the British and

Irish public aquarium community. The presentation "Improving the Sustainability of the Marine Ornamental Trade through Certification and Legislation" addressed approaches to increasing sustainability in the marine ornamental trade, including MAC Certification and the CITES legislation for seahorses. The MAC Public Aquarium Resource Kit was promoted in the presentation and then distributed to interested participants. The UK public aquarium community is developing a proposal for a tour of UK aquariums to promote MAC when there are a greater number of MAC Certified British retailers.

Certification Update

Test Certifications Underway against MAC MAM Standard

Test certifications against the MAC Mariculture and Aquaculture Management Standard (MAM) in Hawaii and the UK are to take place around this end of 2005. The results of this work will be reviewed by the MAC Standards and Certification Advisory Committee (MACSCAC) in early 2006. Following this review by the MACSCAC, the MAM Standard will be released for public comment, prior to be finally published in the first quarter of 2006.

In addition to the complete MAC MAM Standard there is also a version enabling those facilities which already hold the MAC HHT Certification to include their 'in house' culturing of marine ornamentals to their existing scope of Certification.

For further information, or if you wish to be sent a copy of the MAM Standard when it is issued for public comment, please contact Peter Scott, MAC Certification System Director at peter.scott@aquariumcouncil.org.

Remember to visit the MAC website at <http://www.aquariumcouncil.org/> for more information and to subscribe to the newsletter.



We are proud to support the mission of MAC.
For further information about MAC visit their
website at <http://www.aquariumcouncil.org>

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Marine News

By Elizabeth M. Lukan 03/06/06

02/08/06, FOXReno.com

Feds Bust Up Illegal Shark Selling Ring

<http://www.foxreno.com/news/6846944/detail.html>

02/09/06, WWF

Hundreds of endangered coral reef fish released in Indonesia

http://www.panda.org/news_facts/newsroom/index.cfm?uNewsID=59380

02/13/06, Reef Relief Inc.

Reef defenders in Bahamas sue over mega-resort

<http://www.reefrelief.org/reefreliefnews/reefnews.asp?file=20060227articles.html>

02/21/06, Environmental News Network (ENN)

Report Says Most Reefs Damaged by 2004 Tsunami Will Recover in a Decade

<http://www.enn.com/today.html?id=9924>

02/23/06, Yahoo! News

Coral Reef Discovered Off Thailand Coast

http://news.yahoo.com/s/ap/20060223/ap_on_sc/thailand_new_coral_reef

02/27/06, Reef Relief Inc.

DEO Fisher Award Available for Young Women

<http://www.reefrelief.org/reefreliefnews/reefnews.asp?file=20060227barticle.html>

02/27/06, Reef Relief Inc.

Scientists examine the decline of Florida Bay

<http://www.reefrelief.org/reefreliefnews/reefnews.asp?file=20060227carticle.html>

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Chips...er...Tips

Acclimating Toxic Releasing & Poisonous Fish

By Stan & Debbie Hauter

Edited By Elizabeth M. Lukan, 02/18/06

If you are acclimating several fish at one time and any are of a toxic releasing or poisonous stinging nature, it is best to acclimate such species individually in a container of their own!

Editor's Comments:

Editing was limited to spelling and grammar corrections and putting into the Fish 'N' Chips format. The above is part of a larger article, Acclimating Saltwater Fish the Drip Line Way, which can be found at <http://saltaquarium.about.com/library/weekly/aa111802.htm>.

About®
Saltwater Aquariums

To Submit Your Tip: Visit <http://www.marinefiends.com/submit.html>.

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Upcoming Events

By Elizabeth M. Lukan 03/06/06

Event	Start Date / Time	End Date / Time	Location	Event Details, Notes, and For More Info
March 2006				
MASLAC Meeting: Behind-the-scenes tour at the Aquarium of the Pacific	Mar. 11, 2006		Aquarium of the Pacific , 100 Aquarium Way, Long Beach, CA, USA, (562) 590-3100	Marine Aquarium Society of Los Angeles County: http://www.maslac.org/
MCS: Lancashire area group conference	Mar. 18, 2006		University of Central Lancashire, Avenham Building, Avenham Lane, Preston, UK	http://www.mcsuk.org/events/events.php
Global Pet Expo 2006	Mar. 23, 2006	Mar. 25, 2006	San Diego, CA, USA	http://www.globalpetexpo.org/
Seaweed Identification Workshop	Mar. 27, 2006	Mar. 31, 2006	Heriot-Watt University, Edinburgh, Scotland	http://www.mcsuk.org/events/events.php
April 2006				
Backer's 18th Annual Pet Industry Spring Trade Show & Educational Conference	Apr. 7, 2006	Apr. 9, 2006	The New Atlantic City Convention Center, Atlantic City, New Jersey, USA	http://www.hhbacker.com/hhbacker/s06tradeshow.asp
Western Marine Conference 2006	Apr. 21, 2006	Apr. 23, 2006	Red Lion Inn, 1401 Arden Way, Sacramento, California, USA 95815, (916) 922-8041, (800) 733-5466	http://www.wmc2006.org/
The International Marine Aquarium Conference - 2006	Apr. 28, 2006	Apr. 30, 2006	The Crowne Plaza International, Chicago, Illinois, USA	http://www.theimac.org/
AZA Professional Training - Includes Advances in Animal Keeping in Zoos and Aquariums	Apr. 29, 2006	May 5, 2006	Omaha, NE, USA	http://www.aza.org/
May 2006				
Interzoo 2006	May 11, 2006	May 14, 2006	Nürnberg, Germany	http://www.interzoo.com/
October 2006				

Backer's 40th Annual Pet Industry Trade Show and Educational Conference	Oct. 6, 2006	Oct. 8, 2006	Donald E. Stephens Convention Center, Rosemont (Chicago), Illinois, USA	http://www.hhbacker.com/hhbacker/x06tradeshows.asp
Undated Events				
Lighting Survey	now	unknown		Reefs.org: http://reefs.org/GBSurvey/surveyq.php?survey_id=10
Marine Aquarist Profile Survey	now	unknown		Reefs.org: http://reefs.org/GBSurvey/surveyq.php?survey_id=8
Overflows Survey	now	unknown		Reefs.org: http://reefs.org/GBSurvey/surveyq.php?survey_id=13
RIO Aquarium Pump Failures Survey	now	unknown		Reefs.org: http://reefs.org/GBSurvey/surveyq.php?survey_id=12
Salinity Survey	now	unknown		Reefs.org: http://reefs.org/GBSurvey/surveyq.php?survey_id=6
Salt Mix Survey	now	unknown		Reefs.org: http://reefs.org/GBSurvey/surveyq.php?survey_id=7
Sandbed Survey	now	unknown		Reefs.org: http://reefs.org/GBSurvey/surveyq.php?survey_id=11
Temperature Survey	now	unknown		Reefs.org: http://reefs.org/GBSurvey/surveyq.php?survey_id=9

To Submit Your Event: Visit <http://www.marinefiends.com/submit.html>.

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Any and all comments, suggestions, etc., should be directed to fishnchips@mail.com.

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