

Fish 'N' Chips

A Monthly Marine Newsletter
December 2002 Issue

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From Liz

By Elizabeth M. Lukan 12/31/02

Short and sweet this month since my crazy work and holiday schedule left no time for fishy things but I do want to wish everyone a Happy New Year. Here's to 2003!

Visit This Month's Subscriber's Tank Showcase: Paulo Escobar's 155 Gallon Bow Front Reef Tank is this month's Showcase and can be seen at <http://www.marinefiends.com/showcases.html> (updated 8/24/04).

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Doin' It Yourself!

Small "Critters"

By Hennie Landman

Edited By Elizabeth M. Lukan, 12/31/02



Buying a microscope was one of the best investments I could have made for the further enjoyment of this hobby. It has opened up a whole new world of amazing plants and animals. One single drop of water sampled from within the live sand bed has more life forms in it than all the large animals in the tank.

I then made a very simple camera attachment by gluing a section of blue PVC pipe, with a diameter just larger than the microscope's eye-piece, to a high-pressure u-PVC fitting. I then glued this into a next-size larger u-PVC fitting, which fits tightly around the 35mm SLR camera's lens. In the near future, I will be playing around with a bellows extension, and a few other DIY projects to enhance the photos.

The following are only a few of the many photos I've taken with this rather crude DIY equipment.



A 40x enlargement of two possible *Polychaete* larvae.



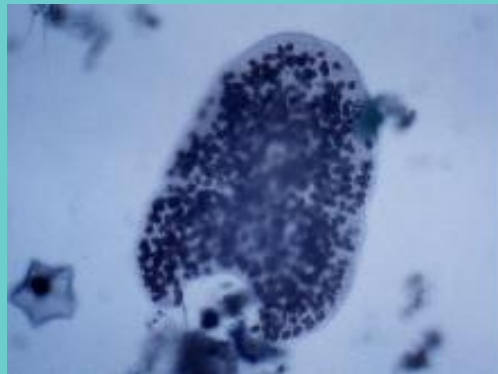
A 100x enlargement of what I believe is a *Polychaete* larvae.



A 100x Enlargement of an unidentified micro creature.



A 40x enlargement of a Fern *Caulerpa* "leaf", with some small critters visible.



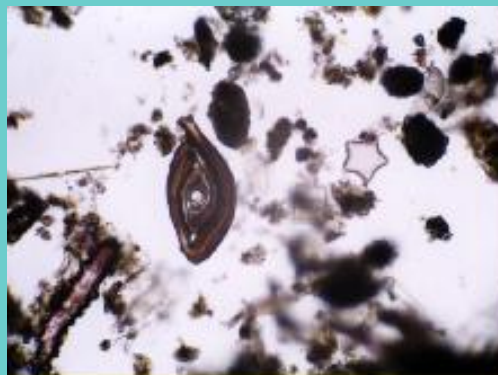
A 100x enlargement of an *amoeba* sp. busy "encircling" some food particles.



A 400x enlargement of what I believe to be a *Nitschia* diatom.



A small Copepod, enlarged 40x.



Some unknown creatures, enlarged 100x.



An unidentified small critter busy eating detritus (40x).



A large Copepod, enlarged 40x.



The same Copepod, enlarged 100x.



A "fired" nematocyst from an Aiptasia anemone.

Editor's Comments & Photo Credits:

The above article and photos are the property of Hennie Landman and have been republished with his permission. My editing was limited to checking spelling and grammar and putting Hennie's article into the Fish 'N' Chips format.

Please visit Hennie's site for this article which includes larger versions of the above photos, a huge collection of beautiful photos and much more. Hennie's "Indoor Reef" can be found at <http://www.reefmaniacs.com/hl/>.

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What's Up @ Reefs UK

- <http://www.reefsuk.org> -

By Elizabeth M. Lukan 12/31/02

12/2/02:

- Reefs UK has announced a new online forum. The forum can be used to discuss all marine aquarium related problems with other hobbyists. The new forum allows you to ask any question you may have about the hobby and for other hobbyists to answer these questions. The forum is free.

12/4/02:

- The new CHAT Forum, mentioned above, allows members to not only post questions and read answers but also to search through old postings, send private messages to other members, and take part in the latest polls.
- The CHAT Email List (via chat@reefsuk.org) has been decommissioned and replaced with the new online CHAT Forum. Mailing list members are asked to visit the Reefs UK site and register for the new forum.
- The CHAT Forum includes a Poll feature allowing visitors to the Reefs UK website to take part in mini surveys.
- The CHAT Forum includes a section for selling equipment or livestock to fellow hobbyists.
- Starting in 2003, Reefs UK Bulletins will be available on the CHAT Forum's Reefs UK News category. There will be no more emailed newsletter.

- The Reefs UK website has been updated with the second edition in the series of articles describing how we setup a Reef Aquarium Garden and why it is so important to use sustainable livestock. Please visit the Reefs UK website and click on "Articles" and then "Marine Aquariums."

12/19/02:

- The CHAT Forum now includes a category for Photography. Members are welcome to post photos of their tank, livestock, etc. Links to your existing website can be included or the Forum Upload facility can be used. Instructions are available in the How To... forum.

To join the Reefs UK CHAT Forum, visit the Reefs UK Website and register.

Editor's Comments:

Information in this section covers the latest happenings at Mark T. Taber's Reefs UK Web Site. Mark has given me permission to publish any information from his mailing list that I feel would be of interest to Fish 'N' Chips subscribers. So, the above, although reworded by me, should be credited to Mark or to Derek Scales who works closely with Mark on the running of Reefs UK. The dates in bold coincide with Mark or Derek's mailings and are provided as a reference.

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Caught In The Net

By Elizabeth M. Lukan 12/31/02

New Stuff Found

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

- Volume 1, Issue 12, December 2002 is now available.

On Reefs.org (<http://www.reefs.org/>):

- Bulletin Board: Two new forums have been added: Marine Aquarium Societies of North America (MASNA) and Nano-Reef Tanks
- Talk: *Basement sumps- one story* by Mike Kirda on 11/24/02
- Talk: *MAC Certification and the Marine Aquarium Hobbyist* by Paul Holthus on 12/15/02

Calculations and Conversions

A table of useful calculators and conversion tools can be found on David Brough's Exotic Tropicals site at <http://animal-world.com/encyclo/information/calculate.htm>. Tools include Aquarium Volume Calculator;

Fahrenheit - Centigrade Conversion; Carbonate Hardness Unit Conversion; and Liquid measurements.



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Marine News

By Elizabeth M. Lukan 12/31/02

11/15/02 - Santiago, Chile:

CITES conference ends with strong decisions on wildlife conservation. Tighter trade controls agreed for mahogany, sharks, sea horses, turtles, and parrots. Ivory sales made conditional on improved monitoring of poaching.

News Release: http://www.cites.org/eng/news/press_release.shtml (*url dead 8/24/04*)

12/2/02 - Maryland, USA:

The National Oceanic and Atmospheric Administration is sponsoring research teams that will study the coral reef ecosystems of the Caribbean for five years and Micronesia for three years.

News Release: <http://ens-news.com/ens/dec2002/2002-12-02-09.asp#anchor4> (*url dead 8/24/04*)

12/4/02 - Maryland, USA:

The Convention on International Trade in Endangered Species (CITES) recently announced protection of all seahorses, as well as certain birds, sharks, whales, and mahogany species. Visitors to the National Aquarium in Baltimore learn from several of these rare plants and animals, seeing them, or their relatives, in award winning, recreated habitats.

News Release: <http://www.ewire-news.com/wires/ADCD7FBF-2153-4FF2-92C514B8B2D89261.htm> (*url dead 8/24/04*)

12/6/02 - California, USA:

California researchers have laid the groundwork for a new method of designing marine reserves around the globe.

News Release: <http://ens-news.com/ens/dec2002/2002-12-06-09.asp#anchor6> (*url dead 8/24/04*)

12/17/02 - California, USA:

Federal and state officials have completed a deal with Cargill Inc. to buy 16,500 acres of salt ponds around San Francisco Bay, a first step toward restoring some of the region's tidal marshes and wetlands.

News Release: <http://ens-news.com/ens/dec2002/2002-12-17-09.asp#anchor1> (*url dead 8/24/04*)

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Chips...er...Tips

Keeping a Tank Log or Journal #2

By Jason and Tera Chavez 7/28/02

Edited By Elizabeth M. Lukan 9/25/02

Keep a journal of your tank. I wish we would have done this from the very beginning. Record when you purchase fish and corals, what your fish tank levels are. Also, record things like when your clownfish started breeding or if you had a problem in your tank how you were able to fix it. This journal will be a great value to you. When asked, you'll be able to say how long you've had certain fish or when exactly you switched your tank over from a

fish only tank to a reef tank. You can also keep track of how much a coral has grown in your care or when it's time to change your bulbs. It's fun, informational, and it will also help you trouble shoot your tank.

Editor's Comments:

Editing was limited to spelling and grammar corrections and putting into the Fish 'N' Chips format.

To Submit Your Tip: Send your tip via email to fishnchips@mindspring.com (visit <http://www.marinefiends.com/submit.html> - updated 10/12/05) and I'll publish it in an upcoming issue of Fish 'N' Chips. I'll write it up for you or you can do it yourself if you are so inclined. Make sure you let me know if I can include your name and email address or if you'd rather go anonymous.

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Upcoming Events

By Elizabeth M. Lukan 12/31/02

Event	Start Date/Time	End Date/Time	Location	Event Details, Notes, and For More Info
Aquarium Survey for Mike King	now	unknown		Reefs.org: http://www.reefs.org/survey/mike_survey.html
Marine Aquarium Animals Survival Survey 2002	now	unknown		Marine Conservation Society, http://www.mcsuk.org/
Salinity Survey	now	unknown		Reefs.org: http://www.reefs.org/
#Reefs Talk: Barbara Best (CRTF)	1/12/03 9pm EST			http://www.reefs.org/access/index.html
The Boston Reef Society speaker symposium with Eric Borneman and Anthony Calfo.	1/18/03		The University of Massachusetts, Boston, MA, USA	http://www.bostonreefers.org/
International Coral Reefs Conference of Paris (CIRCoP)	1/31/03	2/1/03	Paris, France	http://www.circop.com/
#Reefs Talk: Frank Marini	2/23/03			http://www.reefs.org/access/index.html

Tampa Bay Aquarium Society & Tampa Bay Reef Club host Eric Borneman talk	4/12/03		Lakewood High School CAT Auditorium in St. Petersburg	No admission charge! http://www.aka.org/TBAS/EricBorneman.html (<i>url dead 8/24/04</i>)
International Marine Aquarium Conference 2003	5/2/03	5/4/03	Chicago, IL	http://www.theimac.org/
Third International Days of Marine Aquaristic	6/7/03	6/9/03	Salle des fêtes in 67400 Illkirch Graffenstaden, Strasbourg, France	Organized by Récif France. Announced: Hans-Evers Balling, Heiko Blessin, Craig Bingman, Dieter Brockmann, Robert Brons, Lars Sebralla, Julian Sprung, Dieter Stüber. Contact: jjeckert@evc.net

To Submit Your Event: Send your event and all the specifics (date, time, location, pricing, contact info, etc.) via email to fishnechips@mindspring.com (visit <http://www.marinefiends.com/submit.html> - updated 10/12/05) and I'll publish it in all issues of Fish 'N' Chips prior to the event.

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Prove It!, a Bibliography

By Elizabeth M. Lukan 12/31/02

Article: Marine News

- Environment News Service, <http://ens-news.com/>

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Newsletter Disclaimer

To subscribe to Fish 'N' Chips, send a blank email to FishNChips-subscribe@yahoogroups.com or go to <http://groups.yahoo.com/group/FishNChips/> visit <http://www.marinefiends.com/> (updated 8/24/04).

To unsubscribe, send an email to FishNChips-unsubscribe@yahoogroups.com visit <http://www.marinefiends.com/> (updated 8/24/04).

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

The Fish 'N' Chips Website can be found at <http://www.marinefiends.com/> (*updated 8/24/04*).

To view the current issue of Fish 'N' Chips, visit <http://www.marinefiends.com/current.html> (*updated 8/24/04*).

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