



The Raleigh Aquarium Society

P.O. Box 31564, Raleigh, North Carolina 27612-1564
<http://www.raleighaquariumsociety.org>
raleighaquariumsociety@yahoo.com

May 3rd, 2007

Next Meeting: Thursday @7:30pm May 3rd, 2007.

Meetings are held on the first Thursday of each month at the [North Carolina State University College of Veterinary Medicine](#) located at [4700 Hillsborough Street in Raleigh](#). Visitors are welcome! Snacks and light refreshments are provided. A raffle of fish and fish related items follow the meeting. Due to Security Issues, NCSU has required that the doors going into the downstairs lobby remain locked. Please be on time, as we will have a designated person standing by the door to let you in. If you are late, you may try knocking or call Brandon Berry's cell phone at 252-266-3559, Jeff Jenkins at 919-612-0229, or John Patterson at 919-264-4011.

A New Fancy Guppy Club Forms in our area. Any Guppy lovers are urged to go out and support this new club. From the founder Joe Niderost:

Well we are happy to announce that we have a Web PAGE and a Forum. We Hope to announce our first meeting by the end of the week.

Web Page: http://www.geocities.com/fiero87kento/Triad_Fancy_Guppies.html
Message Forum : <http://triadguppies.6.forumer.com/>

Joe Niderost
Founder/President
Triad Fancy Guppies

Meeting Agenda

New Developments in Recirculating Aquaculture

Dennis DeLong, one of the creators of NC State's "Fish Barn" research facility will bring us up to date on the latest news on recirculating aquaculture. That's academic speak for keeping fish in tanks like we do! Can you imagine keeping 7-10 pounds of fish in a 10 gallon tank? Dennis does this on a routine basis, and his tanks hold 5000 gallons. Many of the filters, pumps, heaters, etc. that have their roots in research make their way down to the hobby level in the form of Bio-wheel filters and other new items. Come and find out what's next on the horizon for our fascinating hobby.

Monthly Feature

Mexican Dwarf Orange Crayfish, *Cambarellus patzcuarensis*

by

Gerald Pottern



This beautiful and relatively peaceful 1.5 inch crayfish comes from Lago de Patzcuaro, a volcanic crater lake in Michoacán, Mexico, in the west-central mountain region. Wild *Cambarellus patzcuarensis* are mostly tan, brown, and rusty colored.. The bright orange mutation in the aquarium hobby rarely persist in nature due to predators, but is hardy in captivity. Some have a



pair of longitudinal dark stripes and others are mottled, lacking stripes. They can be kept in soft to moderately hard water, pH 6.0 to 8.0, temperature 60 to 82 F. In soft water, keep aragonite gravel in the filter or on the bottom to provide calcium and pH buffering.

Unlike most crayfish, *C. patzcuarensis* doesn't destroy plants, and digs very little. They eat live or frozen worms, insects, brine shrimp, flakes, pellets, cooked shrimp, green

peas – most any kind of fish food. They live peacefully with small fish and usually do not attack even newborn guppies, although they may eat fish eggs or non-swimming larvae, and will eat dead fish. They need hiding places when molting, as the new shell is soft and even small fish (or other crayfish) can kill them during this time. Volcanic rock with lots of small holes or short segments of waterlogged bamboo are useful as molting refuges. Don't keep crayfish with loaches or similar fish that probe nooks and crannies – the crayfish will be killed during their molt.



Adult males can be recognized by the first pair of pleopods, which are rigid with terminal hooks at the forward end (between the last pair of walking legs). In females the first pleopods are flexible and similar to the other four pairs of pleopods. They begin breeding at four months old. Crayfish mate belly-to-belly, after a claw-waving courtship ritual. Dark green eggs are laid in clutches of about 50, attached to the mother's pleopods under the abdomen. They hatch in about 2 weeks, and the 3/16 inch baby crayfish drop off and scatter about a week later. The mother continues to eat while brooding, and won't eat her kids as long as she has sufficient food.

The babies eat newly hatched brine shrimp, flakes, pellets, etc. Soaked leaves from deciduous trees will provide hiding and climbing places, plus bugs, bacteria, and fungi that the babies can eat between feedings. If starved or overcrowded they will attack each other and tear off legs, but these will grow back as long as the crayfish can still get around and feed. The babies can grow up in the tank with the adults, or you can separate the mother before the eggs hatch and raise the babies in their own tank.



Trading Post

John Patterson has the following items available:

frozen foods: bloodworms(\$ 10), brineshrimp(\$10), mysis(\$12), krill (\$12), plankton(\$12) , and beef heart(\$4).

I got some used tanks for sale both drilled and not drilled. Price is \$1 per gallon \$5 more if you want the drilled version. I have 10's,15's, 20's (tall), 29's, 30's (long), 35's, and 55's.

I also have some 2.5 in discus from hans a few different kinds \$20 each.

John Patterson can be reached at jrpatter@hotmail.com or 919-264-4011 or just vial the RAS Group postings if you like.

Sal Natarmaso has African cichlids for Sale. Sal would like to add as a special, Mpimbwe Frontoasa 2 to 3 inches \$15.00 each . Fish this size and type are \$ 50.00 each Plus a lot of other great deals, and what ever is needed , for the aquarium <http://www.rducichlids.citymax.com>

Chris Duncan has various assorted killie fish (Ep. Annulatis, Ep. Infracasciatus rathkei, F. Gardneri {Makurdi and golden AS}), angel fish, unsexed but cute Kribensis (1 inch) and Laetacara Dorsigera (1/2 Inch)fry, I would like to get one or two male Apistogramma Cacatyoides triple red. Contact info: swampwaterwitch@yahoo.com

Brandon Berry Says:

Hey Everyone,

I am not positive I will make the meeting, but I'm going to try to.

I have a ton of frags for sale or trade. Here is a rough list:

Acropora

- purple w/ green polyp, - purple tip, - blue slimer, - green millipora, - blue millipora

Xenia: pulsing, - pompom

Anthelia: pink

Clavularia: tan w/ green flourescence

Echinophyllia: - green/purple

Montipora digitata: - green, - blue, - orange,- dwarf orange w/ white tip,- tannish green

Montipora capricornis: - purple, - green

Zoos: pink, large green palythoas

Other Acros, Montis, etc could be fragged upon request.

Located in Rocky Mount, NC - call 252-266-3559

visitors welcome by appointment

brandonberry@suddenlink.net

Todd Wenzel has for sale or trade- 5 - 4" Siamese Algae eaters \$5 each

Todd & Dee Wenzel

402 Adrian Dr.

Garner, NC 27529

919-329-9326

Monthly Web Links

Raleigh Aquarium Society Forum on Yahoo Groups <http://groups.yahoo.com/group/raleighaquariumsociety/>

Potomac Valley Aquarium Society in the Washington D.C. area <http://www.pvas.com/>

Atlanta Area Aquarium Association in Atlanta, Georgia <http://www.atlantaaquarium.com/>

Carolina Fish Talk <http://www.carolinafishtalk.com/>

Charlotte Area Aquarists Society <http://pvelasco.net/CAASBBS/index.php>

Marine Aquarium Society of the Carolinas <http://masotc.net/>

North Carolina Koi & Watergarden Society <http://www.nckws.com/>

Carolina Aquatic Plant Enthusiasts <http://www.ncaquaticplants.org/>

Aquatic Gardeners Association <http://www.aquatic-gardeners.org/>

KingFish Services <http://www.kingfishservices.net/>



Club Sponsors

*(The following businesses give RAS members a discount on purchases)
You may be asked to show your RAS membership card*

[Aquatica](#) 5533 NC Hwy 42-West, A-16, Garner (10%) **919.661.7790**

[Aquatic Concepts](#) 4221 Garrett Road Durham, NC **919.489.901**

[Carolina Pet Supply](#) 322 McCormick Street, Garner (10%) **919.773.0014**

[Critter Country Inc](#) 14 Technology Drive, Garner (10%) **919.772.3761**

[Down Under, Salt Water Fish & Corals](#) Highway 70 (in between Agri Supply and White Oak Shopping Center) in Garner. 20% on livestock, 15% on dry goods) **919.662.8820**

[Fins, Furs & Feathers Pet Center](#) 303 S. Horner Boulevard, Sanford, NC 27330 (10% on everything except tanks) **919.718.0850**

[Fish Pros](#) 5655 Western Boulevard, Suite A, Raleigh 27606 (10%) **919.233.1122**

[Fish World](#) 2205 Westinghouse Blvd., Suite 109, Raleigh (10%) **919.872.1228**

[Infinity Pets](#) 100 W Main St Suite C, Youngsville NC 27596 (10%) **919.570.3039**

[Pet Mania](#) 7901 Falls of Neuse Rd #125, Raleigh (10%) **919.676.3225**

[Pet Paradise](#) 9101-141 Leesville Road, Raleigh (10%) **919.848.8881**

[The Pet Pad](#) 1347 Kildaire Farm Road, Cary, (10%) **919.481.6614**

[Triangle Tropical Fish](#) 3600 N. Duke St. Suite #36 Durham (10% excluding aquariums and stands) **919.479.0088**

Please contact Christine Duncan at raleighaquariumsociety@yahoo.com if you are an active member of the Raleigh Aquarium Society and do not have an up to date membership card. Membership cards can be picked up at any meeting.

Raleigh Aquarium Society

Application for Membership

Membership privileges include:

- Ability to post items in trading post section of monthly newsletter
- A discount card good at participating local pet stores
- All club discounts on club functions
- Education from the most knowledgeable aquarium experts in NC
- Yearly Membership - \$15.00 (includes spouse and children)

(Membership dues run from March 1st each year. New members joining any other time will be pro-rated at \$3 + \$1 for each month remaining in the year.)

Name(s): _____

Date to begin membership: ____/____/____

Address: _____

City: _____ State: _____ Zip: _____

Phone: (____) _____ (2) (____) _____

Email Address: _____

New Membership

Renewal Membership

Mail to:

Raleigh Aquarium Society
PO Box 31564
Raleigh, NC 27612-1564