



AUGUST 2007

VOLUME 16 • ISSUE 8

Showfish *coast*

PROVIDING EDUCATION AND CAMERADERIE TO PEOPLE WHO ARE INTERESTED IN KEEPING TROPICAL AND TEMPERATE FISH AND OTHER AQUATIC LIFE

NEXT MONTH'S MTG: SEPT 5

Meeting: Sunday, August 5th, 1:00 to 5:00

Yes, it's that time of the month when we all get together and talk fish.

Come and enjoy yourself in beautiful COOL Costa Mesa .

Conservation donations –

COAST donated approximately \$200 from the sale of guest speaker's auction lots to the American Cichlid Association's Paul Loiselle Conservation Fund. COAST members, particularly Wanda Jacobson, Art North, and Jim Herman, donated items to the Babes in the Cichlid Hobby group which holds an auction at each ACA convention to raise moneys for the Guy Jordan Research Fund and Paul Loiselle Conservation Fund and many of our members were active in bidding on items. The editor's contribution was to pay an outrageous price for a fish tapestry jacket someone else auctioned off. The Babes also held a fish auction this year, but I did not note the contribution COAST members were making through that venue. All told, COAST and COAST members contributed \$600 to \$700 dollars plus that donated through the fish auction to these two funds.

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The Showfish is the newsletter of California's Organization of Aquatic Show Tropicals (COAST), a 501(c)(7) not for-profit association registered in California. It is published six to twelve times a year and is a benefit of membership in COAST. The information and opinions expressed in articles are those of the author and may not reflect those held by COAST or other COAST members.

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Exchange Policy: COAST will exchange newsletters which contain information about fish and the fish hobby with other fish clubs. Please notify the Showfish editor, C.A. Marelius, if your club would like to participate in an exchange program.

Summary of Meeting Last Month –

(I was out of town taking care of family business instead of attending the meeting last month and so cannot provide a summary. — Editor)

Species profile – Spawning *Moenkhausia oligolepis* (Günther 1864)

The Glass Tetra or Red Eye Tetra

By Ron Jackson (reprinted from *Showfish* February 1993)

I obtained a few young fish at our club auction and promptly put all of them in a 10 gallon tank. I then fed the fish very heavily on live food and frozen food—sometimes a little flake food, but mostly live food. It took about three months to get the one inch long young fish to breeding size, which in this case was about two inches for the females and slightly smaller for the males. I selected three females and three males, all the males I had. I placed them in separate five gallon tanks and continued to feed heavily on live food for two more weeks.

When the time came to put the fish together, I prepared another five gallon tank which I filled with Spanish moss. I have used other types of spawning media: nylon spawning mops and live plants such as *Myriophyllum*, *Nitella*, or *Fontinalis*. I filled the tank with water and put in the two largest and heaviest females. I do this with most egg scatterers so the females can acclimate themselves before I introduce the males, which I did about two hours later. I put in all three males.

They soon disappeared in the Spanish moss. A short time later you could see the males chasing the females all over the tank, then they would disappear again, then reappear. This went on for two to three hours. The tank was so dense with Spanish moss that I did not see the actual spawning this time. But in the past when I spawned this fish, the females were chased by the males, then the females would slightly pause and lay eggs, which in turn were fertilized by the male. The pause is very slight, then the chase is resumed. This will continue for two or three hours or longer, but I usually take the breeders out after three or four hours because they begin to search for the eggs and eat them.

The eggs hatched in 36 hours at 72°F. If you keep the water around 76° to 78°F, the eggs should hatch in about 24 hours. At 72°F the fry could be seen hanging on the sides of the aquarium at three to four days and became free swimming in another two or three days. This is the time the young fry will start to eat and will need a good supply of infusoria.

Unfortunately my infusoria culture was not quite ready, and I was forced to use vinegar eels. I was still able to save 50 or 60 fry but should have saved many more with the proper food. The fry are six weeks old today (beginning of January) and are a quarter inch long. They eat brine shrimp very greedily and seem to be well on the road to adulthood.

The water quality was as follows: pH 6.9 to 7.0; hardness was adjusted to 50 ppm using four parts R.O. water to 1 part tap water. I will continue to use this water formula until the fish are about three months old, then I will start adding tap water until they are in just aged and filtered tap water. *Moenkhausia oligolepis* can be bred in our tap water (pH 7.6 to 7.8 and 350 to 425 ppm hardness), but few if any eggs will hatch; that is why I use a mix of R.O. and tap water. It depends on the type of fish as to the conditions of the water I use.

Until later—good luck.

[Fishbase describes this species as “A gregarious species which prefers the counter current zones of small creeks. Omnivorous. It is very prolific and reproduction in the aquarium is very easy to carry out (Ref. 12225). Oviparous, minimum population doubling time 1.4 - 4.4 years”. It is native to Venezuela, the Guianas, and the Amazon River basin.]

Health and Conservation News

Snails, Aquatic Vets, and Genome Mapping

Saving an endangered snail

Service biologists were concerned about a decline of microscopic cave-dwelling snails from 15,000 in the 1970s to fewer than 30 by 2002, landing the Tumbling Creek Cavesnail on the Endangered Species List. As one likely cause of the snails' decline was ground water contamination from a small school's sewage, several organizations, USFWS, and the Missouri government put in a new sewage treatment system. At this time, snail population is up to 50 snails, so there is some hope for a full recovery. (excerpted from a US Fish and Wildlife Service Press Release)

New aquatic veterinary society being formed

<http://www.aquaticvet.org/>

From their website:

The mission of the Aquatic Veterinary Association (dba) is to serve the discipline of aquatic veterinary medicine in enhancing aquatic animal health and welfare, public health, and seafood safety, in support of the veterinary profession, aquatic animal owners and industries, and other stakeholders.

The purpose of the Aquatic Veterinary Association is:

1. To serve aquatic veterinary medicine practitioners of many disciplines and backgrounds by developing programs to support and sustain members, and the aquatic species industries that they serve.
2. To identify, foster and strengthen professional interactions among aquatic medical practitioners and other organizations around the world.
3. To be an advocate for, develop guidance on, and promote the advancement of the science, ethics and professional aspects of aquatic animal medicine within the veterinary profession and a wider audience.
4. To optimally position and advance the discipline of aquatic veterinary medicine, and support the practice of aquatic veterinary medicine in all countries.

Genome sequence of the the bacteria responsible for rainbow trout fry syndrome (RTFS) or bacterial coldwater disease (BCWD) is now complete

Nature Biotechnology **25**, 763 - 769 (2007)

Published online: 24 June 2007 | doi:10.1038/nbt1313

Complete genome sequence of the fish pathogen *Flavobacterium psychrophilum*

Eric Duchaud¹, Mekki Boussaha¹, Valentin Loux², Jean-François Bernardet¹, Christian Michel¹, Brigitte Kerouault¹, Stanislas Mondot¹, Pierre Nicolas², Robert Bossy², Christophe Caron², Philippe Bessières², Jean-François Gibrat², Stéphane Claverol³, Fabien Dumetz⁴, Michel Le Hénaff⁴ & Abdenour Benmansour¹
Correspondence to: Eric Duchaud¹ e-mail: eric.duchaud@jouy.inra.fr

Excerpted from the Abstract

The complete genome sequence of the virulent strain JIP02/86 (ATCC 49511) of *Flavobacterium psychrophilum*, a widely distributed pathogen of wild and cultured salmonid fish, is complete. Proteins, stress response mediators, gliding motility proteins, adhesins and many putative secreted proteases are probably involved in colonization, invasion and destruction of the host tissues. The genome sequence provides the basis for explaining the relationships of the pathogen to the host and opens new perspectives for the development of more efficient disease control strategies.

Membership News –

June membership renewals:

- #2 Mike Khalid - no changes
- #13 John Martin
- #92 John Pitcairn
- #149 William Moreno
- #240 Jeff Long
- #206 Tony Stratton
- #312 Craig Fries
- #353 Thomas DeRosa
- #354 Barry Wallerstein

July membership renewal:

Neil P. Zarske

July / August memberships due:

- Ron Estrada
- Norman Brown
- Ken Hengstebeck
- Russ Madsen
- Chuck Mateo
- Rino Olivares – Rino Caves
- Jean Rockford
- Rusty Wessel
- Kirk Bean
- James Castlo
- Cassie Favello
- Ross Freeman
- Shawn Page
- Robert Stone

Meeting and Club Information

Board of Directors

Brian Downing Pauline Jackson Rahul Kumar (Open) Ron Jackson Rick Marelius



Mamie Nash (Open) Kirk Bean Charlotte Marelius Tom Varin Ron Nash Mike McCabe

PRESIDENT Brian Downing brianjdowning@msn.com 858-759-4841	EDITOR Charlotte Marelius rcmarelius@verizon.net 818-360-7102	DIRECTOR Rick Marelius rcmarelius@verizon.net 818-360-7102
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Discussion Group: <http://pets.groups.yahoo.com/group/coastfishclub/>

Website: <http://www.coastfishclub.com>

Newsletter: The club's newsletter, the Showfish, is published at least six times a year (usually 10 to 12) and mailed to arrive a day or two before the meeting. The current issue is published on our discussion group in the Files section around the 25th of the month, and previous months' Showfish are published on our website.

(Meeting and Club Information, continued)

COAST meets the first Sunday of every month from 1:00 to 5:00 p.m. unless otherwise noted.

Meeting agendum:	12:30	Board Meeting
	1:00	Meeting begins; general announcements
	1:30	Presentation begins
	2:45	Auction begins
	4:15-4:30	Auction usually ends; check-out begins
	5:00-5:30	Vacate the room

Where do we meet:

We meet in the Costa Mesa Neighborhood Community Center in the Victoria Room (usually) or the Harper Room. The Center is a brown brick building between a fire station and Lion’s Park. Closest major intersection is 19th and Harbor Blvd.

Costa Mesa Neighborhood Community Center
1845 Park Avenue
Costa Mesa, CA

Upcoming meetings for 2007:

August 5	Speaker and Topic:	October 7	Speaker and Topic:
September 2	Speaker and Topic:	November 4	Speaker and Topic:
		December 2	Speaker and Topic:

Auction Bag Labels (The LOT NO. is made of your member number followed by the bag number. Example: member 97 is selling 5 bags of fish. The lot numbers are 97-1, 97-2, 97-3, 97-4, and 97-5.)

<p>LOT NO. _____ Qty _____</p> <p>Genus/Species or common name</p> <p>Phone No. _____</p>	<p>LOT NO. _____ Qty _____</p> <p>Genus/Species or common name</p> <p>Phone No. _____</p>
<p>LOT NO. _____ Qty _____</p> <p>Genus/Species or common name</p> <p>Phone No. _____</p>	<p>LOT NO. _____ Qty _____</p> <p>Genus/Species or common name</p> <p>Phone No. _____</p>
<p>LOT NO. _____ Qty _____</p> <p>Genus/Species or common name</p> <p>Phone No. _____</p>	<p>LOT NO. _____ Qty _____</p> <p>Genus/Species or common name</p> <p>Phone No. _____</p>

SELLER NAME:		Date	Member No.		Auction Rules You must be a current member of COAST to sell items at the auction. NOTE WELL: Buyer Beware! Auction items are sold "as is" and COAST does not guarantee items sold at auction as to health, accuracy, working condition, suitability, etc. BAGGING FISH: Use proper fish bags. Double bag the fish. Bag adult males separately from females and separate territorial or aggressive fish from each other to minimize damage or death. Individual bags can then be taped together to be sold as pairs or groups. Do not feed fish the night before. Bag fish in clean water, with a ratio of 1/3 water to 2/3 air. Bag fish at home please. LABELLING: Label bags with member no. and bag no., qty and sex of fish, genus/species, and phone no. Paper labels are preferred. Use Sharpie for marking on bags if reqd. PLANTS: Plants may be single bagged and do not need to be submersed in water. Label as for fish.
BAG NO.	QTY	NAME OR DESCRIPTION	Sold for Amount	Mark if donating	
1					
2					
3					
4					
5					
6		<p>Bag sexually relentless or aggressive males in a bag separately from their females.</p> <p>Bag territorial or aggressive fish in individual bags.</p>			
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MEMBERSHIP APPLICATION

COAST MEMBERSHIP APPLICATION FORM

MEMBERSHIP RENEWAL

Mail to: **Pauline Jackson, COAST Treasurer**

GUEST Registry / AUCTION Sign-In

10926 Ranney Ave, Garden Grove, CA 92843

(Received by _____ Date Rcvd _____ Payment \$ _____ Member No. _____)

Yes! I want to be a member or guest of COAST. Enclosed/attached is my check or money order made payable to **COAST in the amount of \$20** for a one year membership as an individual or family (within the same household please). Senior citizen (aged 62 or over) or junior (aged 20 or under) memberships are \$15 for one year. Members receive our newsletter, Showfish (six to twelve issues a year), and are eligible to participate in our monthly auctions and raffles.

Name _____ Email _____

Address _____ Phone _____

City _____ State _____ Zip Code _____

Thank you for your membership and registration. Please tell us how you heard about COAST:

Member Magazine Fish Store Website Showfish Referred by _____

What fish do keep / want to keep? _____

What contact information would you like to list in the Membership Roster? (Membership Rosters are COAST property and distributed only within the club to encourage fellowship among members.)

Publish full contact info (default) Do not publish street address Do not publish phone Do not publish email

Unless otherwise specified, the full membership listing of member no., name, phone number, address, city, state and zip code will be listed in our membership directory. Please be sure to notify us of any changes in your contact information, either by email or by using this form.

Please fill it out completely when you're renewing, too. That's how we keep the membership list correct and up to date.

CALIFORNIA'S ORGANIZATION OF AQUATIC SHOW TROPICALS

COAST is a 501(c)(7) Not-For-Profit Association



<http://www.coastfishclub.com>

c/o C. A. Marelius, Showfish Editor
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