



# I'AO HAWAII



Fishes of Hawai'i  
A HONOLULU AQUARIUM SOCIETY PUBLICATION  
<http://www.honoluluaquariumsociety.org>

**March 5, 2010**  
**Hidden African Beauties**  
**Video**  
**7:00 PM**

**Meeting Location**  
Kuhio Elementary School Cafeteria  
2759 South King Street  
Enter from Kahoaloha Lane

**April 2, 2010**  
**Clyde Tamura**  
**Aqua Ponics**

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## President's Message by Wayne Steljes

Our last months' membership meeting presentation was fabulous to say the least. Dr. Benny Ron's presentation on the DNA and Mutation of fish that he has studied and produced was very impressive. Dr. Ron was not only a superb speaker; he captivated us with his wit and knowledge. He spoke in terms that even I could understand and covered a myriad of subject matter pertaining to our fish industry that could possibly affect us all in the future. We should all pay close attention to the resources we have now or we may lose it for our future generations. Dr. Ron said that he would come back and give another talk. We will definitely look forward to seeing him again.

We did well even with competition like the Punahou carnival and the Chinese New Year. Says a lot for us fish people. I hope you all noticed that we had a few new items for the auction. Eric Hayashi and Leighton Lum coordinated the new fish that was brought in at our meeting. Well done guys and we'll try to do more of the same for meetings to come. I did notice it did spark up interest in the auction.

Thank you all for being more attentive at the last meeting and starting promptly at 7:00 pm. We did better at logging in our donations; however some members did forget to use the forms in our news letter to catalog our donations. Please use the forms because it makes our

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# HAS Policies

The Board of the Honolulu Aquarium Society has decided to enact the following policies in effect for the year 2010. This is all an effort to encourage more participation amongst members to be beneficial to the society. We appreciate the effort that already is shown, however in the interest of having a strong and active society we will be putting in place mandatory participation in the following areas.

The way you can fulfill your obligation to the club is to do one of the following:

- Write an article at least 1 paragraph long. The subject can be anything related to the hobby. It could be a practical tip or something that you do that has had success or has failed. [If assistance is needed, the board will be available for help].
- Help Auction Chairperson with the auction as either a recorder or stage help for at least 2 meetings.
- Help sell raffle tickets for 3 meetings.
- Become committee members on the annual picnic and/or Christmas party.
- Enter a tank in the show.
- Be a member of the show committee and help set up and break down the show.
- Help with the membership and Aloha committee for 3 months.
- Do a program (talk for the club).
- Join the Board for 3 months.
- Donations (monetary, goods, etc.)

There will be consequences if you do not fulfill your obligations to the club. You will lose your privileges for the auction and will not be allowed to bid on items. Obligations may be excused and made up if explained to the board. Participation will be noted in the newsletter and kept track on our participation binder.

There will be sign up sheets for the first three (3) meetings and as a member you will be able to sign up for as many committees as you want. At the end of the third month, the board will assign you to a committee.



May your right  
hand always  
be stretched out  
in friendship  
and never in want.



continued from page 1

auction chair very pleased and the auction runs much smoother. If you don't want to cut it from your newsletter pick one up at the auction table to use at the next meeting. There were some new faces volunteering for the auction positions. Thank you all for stepping up and supporting our club!! I know it is difficult not to talk during our guest presentations and we did a whole lot better this last time, but a little more restraint would be perfect!

Our website is picking up speed and you should check it out. If there is any input that you'd like to share please contact Dennis Tse. Dennis is our web master and he is making our website user friendly and informative for us all. Please contact me @ 389-6385 and I'll give you Dennis's number. Dr. Benny Ron's web information will be on our web also.

Please up date your membership. Without renewing you will be taken off the mailing list for our news letter. I know you can't go without your monthly letter!! Remember, the monies we collect goes toward producing our letters and the many other functions that our club enjoys throughout the year. So, please renew on a timely manner, much Mahalo!

One of our next big events will be our annual picnic at Richardson Field across the Aloha Stadium. We are looking tentatively at July 25th between 10:00 am to 2:00 pm. I should have a solid date for our Picnic Chair, Robin Echavaria by the next news letter. If you haven't been to one of our picnics, it's something you don't want to miss. Ask any of your fellow members who has attended one, and they will verify lots of fun, good food and great prizes. No one goes home without a prize!

We encourage any input from all of our membership to improve our club. You all are the core of our club, without you there is no club. We all must share in the improvement and growth for the Honolulu Aquarium Society. It will take time and effort on all of our part to sustain our club for future generations. Please take some of your valued time and give us your input. Mahalo!

See you all at the next meeting, remember 7:00 pm!!

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## Articles Needed for Newsletter

My fellow members,

As you can see our newsletter is "thin" this month. I had to use an article from another newsletter to fill a page. Please consider writing an article for our newsletter. It can be on anything. Junior members tell us how you got interested in this hobby. Senior members tell us what keeps you interested. Take pictures of your tanks and share it with the rest of the members. The article doesn't have to be a technical piece, make it fun - your up and downs in this hobby. Alan Teraoka has given us a few in the last few months and they have been wonderful. It doesn't have to be a full page article, a couple of paragraphs would be great too.

Remember this is your newsletter. I can only compile what I have. You can email your articles to [alohabetty516@aol.com](mailto:alohabetty516@aol.com). Just remember to put HAS Newsletter article in the subject line so that I don't delete it.

Aloha,  
Betty

## THE HONOLULU AQUARIUM SOCIETY MEMBERSHIP APPLICATION

Please Circle One: New Membership / Renewal

Application Date: \_\_\_\_\_

|                        |             |             |
|------------------------|-------------|-------------|
| Name (Last, First MI): |             |             |
| Address                |             |             |
| City                   | State       | Zip         |
| Home Phone:            | Work Phone: | Cell Phone: |
| Email Address:         |             |             |

Check the appropriate boxes:

- Individual Annual Dues \$20.00 (1 card)
- Extra Membership Card(s) for family members are \$5.00 each.

Names: \_\_\_\_\_

- Junior (under 18 years) Annual Dues \$6.00

Names: \_\_\_\_\_

How did you find out about this organization? \_\_\_\_\_

What type of activity would you like to see in the future? \_\_\_\_\_

What type of benefits do you want to receive from this organization? \_\_\_\_\_

## Loaches

The natural way to eliminate snails in the aquarium

By: Tim Mousseau

Taken from TropiQuarium

Official newsletter of Motor City Aquarium Society of Roseville, MI

Guppies have always been my favorite fish of the Freshwater aquarium hobby. After years of looking at bare bottom plain tanks, my dad (Gary Mousseau) decided to grow some low light plants. We now have them in half of our guppy tanks. The plants have added a lot of character to our tanks. We found low light plants like Java Fern, Java Moss and Anubias did quite well with just the current light we had running down the center of our fish room.

Along the way of bringing in plants, we also acquired unwanted snails in with the plants. Since we were new to the plant world, we did not know there are a number of products available on the market that you can soak your plants in before adding them to your tank to kill off the snails. Most of them are actually a medication. One of the more common medications is Fluke tabs that are used for killing gill flukes. This can also kill hydra that can come in on aquarium plants or even through your tap water. The problem with Fluke tabs and a number of other products for snail control is they will kill invertebrates like shrimp. It will also kill Plecostomus and sometimes even Corydoradinae. So, you would have to remove all three of those species before using some of these treatments.

After dealing with this for many years, I said there had to be a natural way for snail control in nature. I did some reading online and found loaches eat snails. I came up with two different loaches that I liked.

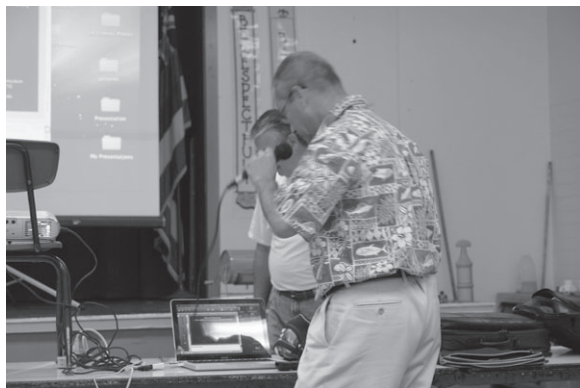
One is the Botia Striata otherwise known as the Zebra Loach or Candy Stripe Loach and also the Botia Kubotai. You have to watch what loaches you get as some species can get aggressive. I found the two varieties I picked are not known to be aggressive.

The Botia Striata is found in nature in the mountain streams of Maharashtra and Western Ghats, India. They grow up to 4 inches and love PH of 7.0 or below, but they are adapted well to my PH of 7.4. They prefer a water temperature of 73 - 81 degrees.

Loaches do best in groups of four or more. I find them to be active and peaceful. They like hiding places like plants, caves and driftwood. They are not known to be bred in the home aquarium, so make sure you buy as many as you think you will want. Both the species above are not often found in most pet stores but online. I found mine on Aquabid. Ever since I added these great fish to my aquariums, they have cleaned up my snails and they have been a joy to watch.

If you are looking for something to add some life to your aquarium and or to take care of a snail problem, these are a must have.

# February 2010 HAS General Meeting Pictures



**HONOR ROLL**

These stores support the Honolulu Aquarium Society by donating prizes, which are awarded at our functions, and by offering a discount to members who show their membership cards when making purchases:

**Aquascapes**

Aiea Town Square  
99-082 Kauhale St., Suite B4  
487-0077

**Coral Fish Hawaii**

810 Moanalua Road, Aiea  
488-8801

**Enchanted Lake Pet Center**

1020 Keolu Drive, Kailua  
262-2219

**Moanalua Pet Center**

4510 Salt Lake Blvd # A10  
488-8843

**Modern Pet Center**

1331 Makaloa St.  
949-4916

**Petland-Kahala**

4400 Kalaianaole Hwy  
4400 Kalanianaole Hwy  
734-7387

**Pet's Discount Warehouse**

4384B Malaai St – 422-5763  
Waikale Center – 678-8808  
Hawaii Kai Town Center – 395-0448  
1415 Kapiolani Blvd. – 955-3774

**Pet's 'N Plants**

98-020 Kamehameha Hwy.  
488-9922

**Pets Plus**

250 Ward Avenue #120  
593-9788

**Kalihi Pet Center**

City Square Shopping Center  
1199 Dillingham Blvd. Suite 101  
841-5234

**The Pet Spot**

Pearl Highland Center  
1000 Kamehameha Hwy  
455-8500

**They Deserve Your Support!!**

## The Honolulu Aquarium Society Established in 1950

**Mission Statement:**

The Honolulu Aquarium Society is dedicated to the promotion and encouragement of the Aquarium Hobby. We share knowledge, experience and fellowship among all our members, both novice and old-timer. We endeavor to preserve the natural habitat of Aquatic Life. We seek to gain personal development in the breeding and showing of aquatic life, and to stretch the boundaries of Hawaii to like-minded people though out our nation and the world.

**HAS News & Notables****IMPORTANT NOTICE:**

**MEMBERSHIP RENEWALS ARE DUE. PLEASE RENEW DURING THIS MONTH'S GENERAL MEETING TO CONTINUE TO RECEIVE OUR NEWSLETTER.**

**MAHALO**

\$20.00 for an individual plus \$5.00 for each additional membership card. This way a family of 3 can have three cards for \$30.00 per year. Annual membership for Junior Members (17 years or younger) remains at \$6.00.

**Disclaimer**

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The Honolulu Aquarium Society  
P.O. Box 235791  
Honolulu, HI 96823

**Next Board Meeting**

Board meetings are open to all members. The next Board meeting will be on Tuesday, March 9, at 7:30 p.m. It will be held at the Susannah Wesley Community Center at: 1117 Kaili Street, Honolulu, HI 96819

# The Honolulu Aquarium Society

Board Meeting Highlights  
February 9, 2010 - Tuesday - 7:30 p.m.

**Members Present:**

Scot Seo, Robin Exhavarria, Dennis Tse,  
Wayne Steljes, Robert Lau, Larry Nakano,  
Eric Hayashi, Dave Yoshishige, Alan  
Teraoka, Lance Pang

**Treasurer's Report for 2-09-10**

|                  |            |
|------------------|------------|
| Previous Balance | \$5,881.22 |
| Income           | 746.00     |
| Expense          | (518.88)   |
| New Balance      | \$6,108.34 |



The Honolulu Aquarium Society would like to welcome  
the following new members for February:



Brandee Doi

Brent Sabati

Pepper Sabat-Jones

Tessie Dee

Peter Dee

## MAHALO

The Honolulu Aquarium Society would like to thank the following members for  
their donations to the February membership meeting auction:

Warren Muraoka

2 bags fish

Lance Pang

3 bags fish & 2 bags plants

Tanioka Family

7 bags fish

Preston Otsuka

5 bags fish & one plant



# Advertisements



*Aquatic Imports Hawaii*

*www.aquaticimportshawaii.com*

Specializing in Rare and Exotic Fish from around the world!

Email us at [aquaticimportshawaii@yahoo.com](mailto:aquaticimportshawaii@yahoo.com) (808) 398-7689

### Commercial Advertising Rates Betty Steljes, HAS

Our monthly ad rates are as follows:

- Full page (8-1/2 x 11)    \$11.00
- Half page                    \$ 7.00
- Quarter page                \$ 5.00
- Eighth page                 \$ 4.00
- Business card               \$ 2.00

Please submit camera ready Advertisement to the HAS Editor and payment to the HAS Treasurer by the 17<sup>th</sup> of the month to be published in the following month's bulletin. For more information, please contact HAS Editor, Betty Steljes, at 396-2266 or [alohabetty516@aol.com](mailto:alohabetty516@aol.com).

## AUCTION FORM

We need your help!

Please list your auction items before the meeting. This will expedite the handling of the auction items before the meeting starts. This NEW form has a DONATION column. If your item is a donation please check this column. This will help us keep track of any auction item that is a donation, and we can recognize your contribution to the club. We will have blank forms at the auction table. Thank you for your cooperation.

HAS Auction Seller's Sheet

| Item #<br>(leave blank) | Donation<br>(please check) | Seller's Name | Item Name | Minimum<br>Bid Amount |
|-------------------------|----------------------------|---------------|-----------|-----------------------|
|                         |                            |               |           | \$                    |
|                         |                            |               |           | \$                    |
|                         |                            |               |           | \$                    |
|                         |                            |               |           | \$                    |
|                         |                            |               |           | \$                    |
|                         |                            |               |           | \$                    |
|                         |                            |               |           | \$                    |
|                         |                            |               |           | \$                    |
|                         |                            |               |           | \$                    |
|                         |                            |               |           | \$                    |

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# I`A O HAWAI`I



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