



I'AO HAWAII



Fishes of Hawai'i

A HONOLULU AQUARIUM SOCIETY PUBLICATION

<http://www.honoluluaquariumsociety.org>

April 6, 2007

Aaron Padilla

Emersed Plant Culture

Meeting Location:

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

May's Coming Attraction:

Lake Tanganyika - "Jewel of the Rift"
A National Geographic DVD Presentation

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President's Message by Wayne Steljes

I'd like to start off by saying the membership is growing and that's a good thing. I noticed new faces at our general membership meetings. I think the poster that our club has in the various fish shops is working. I want to thank Aaron Padilla for designing the layout, Chuck Nishihira and Derek Onishi for their input, and Dean Onishi for printing the great poster. It sure helps that we have talent and creative minds in our society.

What a super presentation by Chase Inouye and Ken Takeuchi on our Hawaiian stream fishes and plants. I had forgotten about all the O'opu in our streams and the different species we have. I can remember on Kauai we used to catch the larger of the gobies and how good they were to eat. They were plentiful then; now we must preserve the ones we have left for the future generations to enjoy. The talk was very interesting and I could see that it kept everyone's attention. The amount of time put into the presentation was quite evident due to the attention to detail and we all enjoyed it. I need to go up stream one day and try my luck at seeing and maybe capturing one or two for a local tank; well the thought was there!

I will be calling on the general membership for some "Kokua" on attending our board meetings that we have on the Tuesday following the

Continued on page 4

HAS Policies

The Board of the Honolulu Aquarium Society has decided to enact the following policies in effect for the year 2007. 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.



Happy Easter



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

How long have you been raising fishes? _____ How many aquariums do you have? _____

What types of fishes do you raise? _____

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? _____

What type of skills/talents do you bring to this organization? _____

Continued from page 1

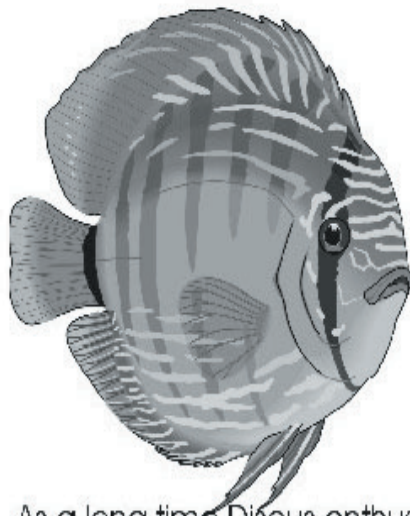
general membership meeting. We need new faces and fresh ideas on the direction that our club is going. It's not that our club isn't doing well; we need input from other sources to keep our members interested and participating in our club. We always can use new ideas and ways to improve our club to keep it interesting for all age groups. So don't shy away when I call upon you for some help.

I can also use your help with the auction set up at the general membership meetings. It involves taking care of the forms and logs needed to do our monthly auctions. If several people volunteer to work on this it can be rotated so that it doesn't infringe on the scheduling if one person cannot do the auction for that night. Please see me if you are interested.

Please continue signing up for the catfish roundup. There is a possibility that the catfish roundup may be cancelled, however we won't know until later. We will notify all of you if the roundup is cancelled.

So all of you be ready when I give you a call to help out; no excuses unless there is a life threatening disease or natural disaster!

See you at the meeting!



Waialeale Discus

www.HawaiiDiscus.com

Kapaa, Kauai

Importing quality Discus from some of the most reputable breeders and exporters to the Hawaiian Islands.

As a long time Discus enthusiast, I know what it's like to look for that one of a kind Discus that will stand out amongst all the other fish that you have. I have searched and found some of the most reputable exporters where I can bring in true "grade A" fish as well as the leading new strains that are constantly being developed.

Rodney Sonoda

Owner, importer

Call 808-822-0297

Cell phone: 808-652-0418

E-mail: Rod@HawaiiDiscus.com



City and County of Honolulu Department of Environmental Services

**RELEASE FORM
PARTICIPANTS OVER AGE EIGHTEEN**

Date _____

I, a member of _____,
have been apprised of the traffic hazards that may be encountered as a prerequisite to
participate in the following project:

- ☐ Storm Drain Stenciling Project
☐ Adopt-A-Stream Project
☐ Adopt-A-Block Project
☐ Other: Describe _____

I do hereby release and discharge the Department of Environmental Services, Department of Facilities Management, Department of Parks and Recreation, Department of Transportation Services, Honolulu Board of Water Supply, City and County of Honolulu, State of Hawaii Department of Transportation-Highways, State of Hawaii Department of Land and Natural Resources, and the U.S. Army Corps of Engineers, and its officers, agents, and employees, from all claims, demands and causes of action of every kind whatsoever for any damages and/or injuries which may result from my participation in this activity and other voluntary activities along, in, or near designated area(s).

I further agree to hold harmless the Department of Environmental Services, Department of Facilities Management, Department of Parks and Recreation, Department of Transportation Services, Honolulu Board of Water Supply, City and County of Honolulu, State of Hawaii Department of Transportation-Highways, and its officers, agents and employees, from liability for any damages and/or injuries resulting from any acts or failure to act on my part during my participation in said voluntary activities along, in, or near designated area(s).

Participant:_____
Print or Type Name_____
Signature

Please sign and bring this form with you on the day of your project.

Mahalo!

A MANUAL FOR VOLUNTEERS

6/2005, rev 8/28/05, 9/8/05, 9/18/05 p 12

WARNING -to Hawaii Hobbyist -- Higher amounts of chlorine will be present in Hawaii's tap water in the near future.

By Glenn Y. Takeshita

Because of a new Environmental Protection Agency (EPA) law -- EPA Groundwater law which has to be in place by Dec. 2009, higher concentrations of chlorine will be in Hawaii's tap water. The higher chlorine concentration is to prevent the trigger bacteria (E. coli) to cause illness to the people in Hawaii. Since chlorine is very poisonous to fishes and water animals, I decided to do a short article to help the members of HAS understand the problems that chlorination will cause for the hobbyist. The impact to the hobbyist is very great because our fishes need chlorine-free water to survive. To get chlorine-free water one has to treat the tap water before making water changes. If you have a very large setup and use large volumes of water for water changes, you will have to think of how you will dechlorinate your tap water when the law is implemented. If you decide to use a dechlorinating conditioning product, it will cost you some extra money. If you decide to use heavy aeration and retention of your tap water, it will take some time and space. Either way it will take time, space and money.

If you have a very expensive collection of fishes, I would already start checking your tap water for chlorine before you make a water change because the Honolulu Board of Water Supply on Oahu has already started adding a higher dosage of chlorine in certain areas. They are doing this so they can generate enough needed data to get ready for the upcoming EPA law. As many of you know high chlorine levels can cause a lot of different problems for a lot of different people and businesses but this law will definitely be coming to Hawaii in the near future - there is no way getting around this law. All islands that make up the state of Hawaii will be affected by this law.

At present they are adding chlorine to the water via chlorine gas at the pump stations or via industrial grade chlorox in the reservoirs. So far Chlorine dioxide has not been used in Hawaii. Because of the very complexed distribution water system of the Honolulu Board of Water Supply on Oahu served by 130 sources, it is very difficult to identify the sources that feed a specific area. This in turn makes it difficult to determine the concentration of chlorine in the tap water. In some waters the chlorine may come from several sources therefore it is very important to test your water for chlorine before you make a water change - this is the most important step a hobbyist can take to prevent a chlorine kill of your fishes.

I hope that this warning article will give you enough time to plan and address the higher chlorine problem in the tap water to protect your fishes.

Mahalo and Aloha - Glenn

Tropical Fish Hobbyist Magazine Subscription

by Lance Pang

You can help the club with your subscription order to Tropical Fish Hobbyist. TFH is a monthly magazine which is geared towards the subject of tropical fish. It is filled with educational, in-depth articles, beautiful full color illustrations, and informative advertising. You can view sample issues of the magazine at the monthly HAS meetings.

Presently, there is a special promotion by Tropical Fish Hobbyist. They are offering our organization a chance to sell subscriptions and earn 25% commission on each subscription sold! This money will greatly benefit our organization. In addition to earning money for our organization, if you subscribe to TFH between August 1st and December 31st, we may have the chance to win a terrific prize. The organization with the most subscriptions sold during this period will win 3 titles from T.F.H. Publications, Inc. AND our organization's name will be announced as the grand prize winner in a future issue of Tropical Fish Hobbyist.

If you are interested in ordering the magazine, fill out the subscription form below and submit it to the club with cash or a check made out to TFH. You can select a 1, 2, or 3 year subscription, at a substantial savings off the cover price. DO NOT MAIL THE FORM IN. You must submit the form to the club for HAS to benefit.

TFH has been very generous and supportive to HAS by donating door prizes for our meetings, as well as offering other services to the club which will help promote the club.

If you are interested, or have any questions, please come to the membership desk at any meeting. We will be happy to help you! Thank you for your continued support, and hope to see you at the next meeting.

Honolulu Aquarium Society

SAO01-2

YES!

I want to take advantage of
this Limited-Time Offer.

TROPICAL FISH

HOBBYIST

SAVE UP TO
54%

HONOLULU
AQUARIUM
Name SOCIETY
Address _____
City/State/Zip _____
Telephone _____
E-mail _____

☐ 1 year (12 issues) — \$28 — *That's \$19 off the cover price!*
☐ 2 years (24 issues) — \$49 — *That's \$45 off the cover price!*
☐ 3 years (36 issues) — \$65 — *That's \$77 off the cover price!*

(Canada and Mexico add \$11 per year. Foreign add \$20 per year)

CHARGE MY: ☐ VISA ☐ MASTERCARD ☐ AMEX ☐ DISCOVER® ☐ PAYMENT ENCLOSED

Card No. _____ Expiration Date _____

Name on card _____

Cardholder's signature _____

**Please send me a
FREE catalog!**

☐ Fish Book Catalog
☐ Dog ☐ Cat
☐ Reptile ☐ Bird
☐ Small Mammal



City and County of Honolulu Department of Environmental Services

RELEASE FORM PARTICIPANTS UNDER AGE EIGHTEEN

Date _____

I, a member of _____,
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I further agree to hold harmless the Department of Environmental Services, Department of Facilities Management, Department of Parks and Recreation, Department of Transportation Services, Honolulu Board of Water Supply, City and County of Honolulu, State of Hawaii Department of Transportation-Highways, State of Hawaii Department of Land and Natural Resources, and the U.S. Army Corps of Engineers, and its officers, agents and employees, from liability for any damages and/or injuries resulting from any acts or failure to act on my part during my participation in said voluntary activities along, in, or near designated area(s).

Participant (Minor):

 Print or Type Name

 Signature

Parent/Guardian:

 Print or Type Name

 Signature

Please sign and bring this form with you on the day of your project.

Mahalo!

A MANUAL FOR VOLUNTEERS

6/2005, rev 8/28/05, 9/8/05, 9/18/05 p 13

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:

Aloha Aquarium

45-1048 Kamehameha Hwy, Kaneohe
(Back corner of T. Yogi Building)
780-8972

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

Ala Moana Shopping Center – 941-2040
Kahala – 4400 Kalanianaʻole Hwy – 734-7387

Pet's Discount Warehouse

4384B Malaai St – 422-5763
Waikēle 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 Fish Shack

720 L. Main St. Wailuku, Maui
(808) 242-8549/(808) 244-9588 fax

The Pet Spot

Pearl Highlands 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 throughout 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, April 10th, 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 will be selling the Official Honolulu Aquarium Society T-Shirt. We need your help in determining the amount of interest the T-Shirt Sale will generate. Please fill out the form below with your name, phone number, the number of shirts, and shirt sizes that you are interested in purchasing. Additional details such as pricing and availability of children's sizes will be released soon. A color printout of the design will be at the April General Membership meeting.

Phone Number: _____

Adult Size	
Size	Quantity
S	
M	
L	
XL	
XXL	



We need your help!

Please discard any OLD auction forms you may have and use the form below. 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. Please list your auction items before the meeting. This will expedite the handling of the auction items before the meeting starts. Thank you for your cooperation.

[illegible]

The Honolulu Aquarium Society

Board Meeting Highlights
March 6, 2007 - Tuesday - 7:30 p.m.

Members Present:

Richard Hee, Robin Echavaria,
Robert Lau, Wayne Steljes, Betty
Steljes, Baron Fukata, Eric Hayashi,
Lance Pang, Alan Teraoka

Treasurer's Report for 3-06-07

Previous Balance	\$ 5,452.79
Income	628.00
Expense	(226.08)
New Balance	\$5,854.71



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



Mandy Namohala
Dan Holt

Janine Unciano
Davis Holt
Brtson Ho

Scott Chingon
Wilson Neal

MAHALO

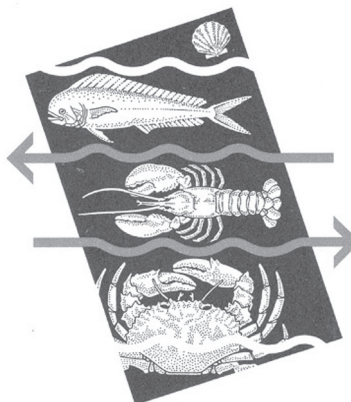
The Honolulu Aquarium Society would like to thank the
following members for their donations:

Robert Lau 6 bags of plants
Robert Ueki 2 bags of fish
George Staples 2 bags of plants, 2 bags of fish
Dan Van Ravenswaay 1 bag of fish
Alan Teraoka 2 bags of fish
Janine Unciano box of filters

Tani Shimabukuro 2 bags of fish
Joni Foo 4 bags of fish
Wray Tsuzaki 2 bags of fish, 2 vinegar eels
Dean Onishi 3 bags of fish
Larry Purlee 5 bags of fish
Lori Odell 2 bags of fish

Advertisements

WAINANI KAI



WAINANI KAI SEAFOOD
2126A ELUWENE STREET
CALL (808) 847-7435
NOVEMBER 2003

HOURS M-S 7:00AM TO 2:00PM

HYDRO SPONGE FILTERS (RAISED OFF BOTTOM WITH WEIGHTED BASE)

III	\$8.00 EACH
IV	\$8.75 EACH
V	\$9.50 EACH

REPLACEMENT SPONGES

III	\$4.50 EACH
IV	\$4.75 EACH
V	\$5.00 EACH

FILTER MAX PRE-FILTERS (CAN BE USED AS PRE-FILTERS FOR POWER HEADS OR CANISTER FILTERS)

II	\$7.00 EACH
----	-------------

THERMOMETER (STICKS TO TANK)	\$2.50 EACH
GLASS AIR STONES	\$1.70 EACH

EBO-JAGER HEATERS

15 INCHES 200 WATT	\$16.00 EACH
--------------------	--------------

BRINE SHRIMP EGGS 16 OZ. CAN (90% HATCH RATE)	\$45.00 /CAN
SPIRULINA POWDER	\$8.00/1/2 LB.
ROCK SALT 50 LB BAG	\$12.00 /BAG

FROZEN FISH FOOD FOR THOSE WHO CARE

YOU HAVE BEEN HEARING ABOUT THE BENEFITS OF NATURAL ASTAXANTHIN. NOW IT'S AVAILABLE IN A FROZEN DIET. THIS IS A NEW AND IMPROVED FORMULA FOR MOST TYPES OF TROPICAL FISH.

NATURAL ASTAXANTHIN AND SPIRULINA IS ADDED TO IMPROVE THE HEALTH AND COLOR OF YOUR FISH. THIS FOOD WILL HELP CONDITION YOUR BREEDER FISH WITHOUT THE USE OF LIVE FOOD.

CONTAINS: BEEF HEART, SALMON. LOBSTER MEAT AND ROE, SCALLOP, KRILL, ASTAXANTHIN, SPIRULINA, MULTI-VITAMINS/MINERAL

SUPPLEMENT, & GARLIC. \$9.00/LB.

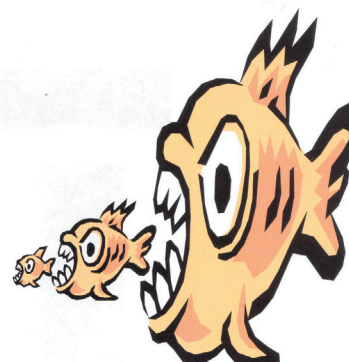


Commercial Advertising Rates Betty Steljes, HAS

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 17th 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.





Hawaii's Largest Aquarium Store!

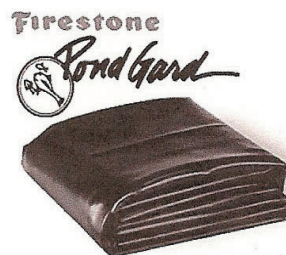
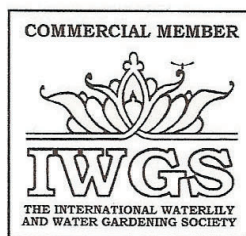
720 Lower Main St.
Wailuku, HI 96793
Phone: (808) 242-8549
Fax: (808) 244-9588

Visiting Maui?

Come stop by The Fish Shack. We have Hawaii's largest selection of freshwater ornamental fish. We also carry a large variety of pond products, aquarium accessories, and specialized foods. We'll be glad to pack your fish and plants for the plane ride home. Or, give us a call and we're happy to ship food and other supplies straight to you!

Be sure to check out our:

- large selection of waterlilies and aquatic plants
- pond building supplies
- huge selection of Koi and Goldfish
- specialized pond pump and filtration systems



Lower Main St.

(Wailuku) →

Waiehu Beach Rd.

Jack
in the
Box

Fish
Shack

Ho'okahi St.

We are located on the corner of
Lower Main and Ho'okahi

Hours of Operation: Mon-Fri: 9am-6pm. Sat: 9am-5pm. Closed Sunday

Volume 2007, Issue 4

April 2007

I`A O HAWAI`I

Fishes of Hawai`i A Honolulu Aquarium Society Publication

<http://www.honoluluaquariumsociety.org>



I`A O HAWAI`I

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