

The Official Publication of the St.Catharines & Area Aquarium Society since 1958
Volume 23 No.2 October 2010

The

SCAAT

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Marineland LED Product review

scaas.info

Club Notes

Our Mission Statement: Meetings of the St. Catharines & Area Aquarium Society are held on the first Monday of each month, 7.30 p.m., at the Seafarers & Teamsters Union Hall, 70 St. Davids Rd. E. Thorold, ON. No meetings are held on Mondays that are holidays. Those meetings are held on the second Monday. There are no meetings during the months of July and August. *The Society, established in 1958, is a non-profit, educational organization dedicated to the task of promoting interest in the breeding, raising, maintenance and study of tropical fish, both at the beginner and advanced levels.* The St. Catharines & Area Aquarium Society is a charter member of the Canadian Association of Aquarium Clubs Inc. (CAOAC) <http://www.caoac.ca>. SCAAS is also a member of the Federation of American Aquarium Societies (FAAS) <http://www.faas.info/>. More news and information about St. Catharines & Area Aquarium Society can be found at <http://www.scaas.info>

Our next meeting will be held on October 04 at the Seafarers & Teamsters Union hall, 70 St. Davids Rd. E. Thorold. Start time is 7.30 pm ALL ARE WELCOME
This month's program will be presented by Larry Johnson on African Cichlids

2009 – 2010 Executive

President – Tom Hillier - - - (905) 227-5008 tom.hillier@hotmail.com
1st Vice President – John Verhage – (905) 735-7776 jverhage@on.aibn.com
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Treasurer – Wally Ebert - (905) 687-6907 lebert@cogeco.ca
Past President - Ken Brady - - - (905) 935-4716 kbrady2@cogeco.ca

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Auctioneer – open
Breeder Awards – Tom Bridges
CAOAC Representative – Tom Bridges
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Programs – Pam Danyluck - - - - - (905) 562-3290 - danyluck@sympatico.ca
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Membership Dues:

Family: \$ 25.00
Single - \$ 20.00
Junior - \$ 10.00 (under 16)
Seniors - \$ 10.00 (over 65)

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Cover photo of a Bristol Shubunkin
Photo © by Dave Easingwood

President's Message

Now that we have our first meeting over, we are on our way to another year in the fish hobby. We had a great first meeting with Jerry Draper as our first speaker, on how to show fish. His presentation was very informative with our show and auction coming on the 31st of October.

Our membership dues are now due. We still need sponsors and help with the upcoming show and auction. Let's all get together and have a great show and auction.

Awards were given out to Dave Furness for the Jack Dempsey and Dave Unruh for a Wild Angel. The jar show was great. Jerry also did the judging. Fish of the month went to Ken Brady AOV, 1st Tom Hillier, 2nd Ken Brady, 3rd Pam Danyluck and best in show Tom Hillier.

Barb Ireland from the Brant Aquarium Society gave us some information on the 2011 Convention which will be held in Brantford May 20th-23rd, 2011.

Our web page is looking great and Ken is working very hard on it to keep it up to date.

Hamilton is having their show and auction on the 3rd of October at the Waterdown legion. Hope to see everyone there. All clubs need the support of the other clubs.

The speaker at our October meeting will be Larry Johnson, who is just returning from Africa, on cichlids.

Tom



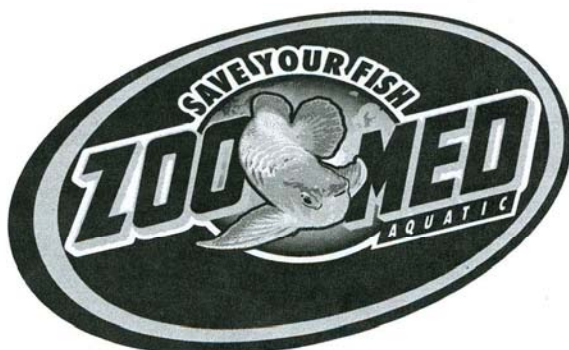
Panaque L191 (probanly) Gold Tiger Pleco Photo © by DAVE Unruh



Male

Fundulopanchax oeseri
photos by Pam Danyluck

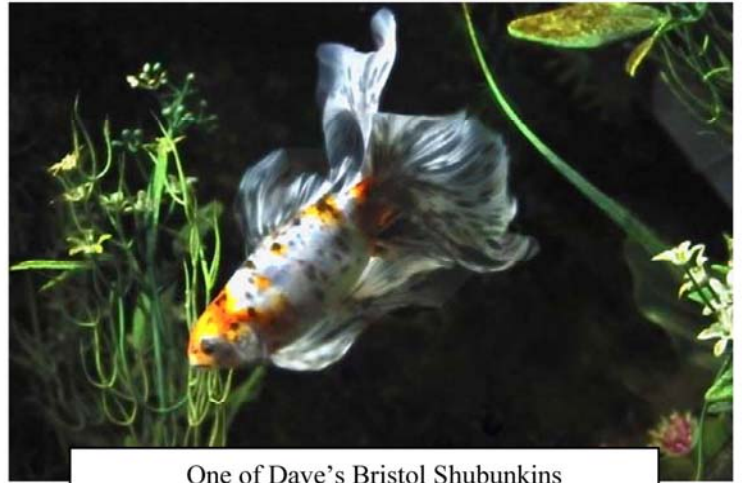
Female



Member Profile

By Pam Danyluck

This month's member profile is on Dave Easingwood, who was born in Leeds, Yorkshire, England. He spent his youth in Yorkshire and Coventry and came to Canada in 1981. Dave is a Professional Civil Engineer and currently resides in St. Catharines with his wife Diane. Dave has two children and two grandchildren. His son Matthew is the father of Charlie and Jarvis. Dave's daughter Heather resides in Toronto.



One of Dave's Bristol Shubunkins
Photo by Dave Easingwood

Dave's family enjoys his ponds and his daughter loves Siamese Fighting Fish.

Thanks Dave for letting us get to know you a little better.



He became a member of the club in the fall of 2009. Dave first became interested in fish in the 1970s while in Coventry, UK. He currently has six 30 gallon aquariums, two ponds and is trying to build a fish house in the garage.

Dave keeps cold water Fancy Goldfish, mainly Bristol Shubunkins. His favorite is breeding his own Canadian strain of Bristols which are rare in Canada. He is working with the fourth generation. Aquafilters are Dave's choice of filtration.

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SCANNING THE EXCHANGES & etc.

with Pat and Tom



GOOD READING IN THE S.C.A.A.S. LIBRARY ...

▶ ... in the Tropical Fish Club of Erie County's newsletter 'Some Things Fishy' September 2010

*Combtail Gourami – *Belontia signata*
Author unknown

BAP ACHIEVEMENT AWARDS presented at the September meeting

Pam Danyluck – *Limia vittata*..... .5 pts.
Dave Furness – Jack Dempsey (*Rocia octofasciata*).....10
Dave Unruh – *Pterophyllum leopoldi* 10
Congratulations!
Tom Bridges BAP Chair

JAR SHOW RULES AND REGULATIONS


will be on display at the jar show table at each meeting

Members!

Fish bags (10x20, 8x16 and 8x10) are available for sale at the library in packages of 25 for \$3.75 per pkg.



JUST IN TIME

As some of you may know, Tom and I look after the aquarium at the children's section of the St. Catharines Public Library. We try to go in every week, but often time doesn't permit, so we miss a week. 



S.C.A.A.S. MEMBERS!

If you haven't already renewed, please come to the membership desk at the meeting.



UPCOMING EVENTS in 2010

October 3, Hamilton & District Aquarium Society Show & Auction

October 17, CAOAC meetings as above

October 24, Kitchener/Waterloo Aquarium Society Show & Auction

October 31, St. Catharines & Area Aquarium Society Show & Auction

November 7, Peel Regional Aquarium Society Auction only

November 21, CAOAC meetings as above

December 12, CAOAC meetings as above with a Christmas pot luck lunch following the executive meeting. Membership and insurance applications are due, as well as Author and Advanced Author applications.

On our last visit, we found that the air pump had completely quit. It was two weeks since our last visit, so we were just in time. The fish were looking fine, so the pump must have very recently quit.

Although we had talked about having a back up pump, we hadn't followed through and bought one, so we put the equipment away and went to get a repair kit. The store we went to didn't have one, so we bought a new pump. Tomorrow we'll try again to get a repair kit to put in the old air pump and leave it at the library as a backup.

Lesson learned.

Pat and Tom

Minutes of September 13, 2010

Meeting commenced at 7:50 pm.

President Tom Hillier

- Welcomed guests and announced upcoming events.
- Requested help and sponsors for our upcoming show and auction, sign up sheets were available for both.
- Notified members of the closing of the Cambridge club and opening of one in Barrie.
- Announced membership fees are due.
- Requested someone to take over the membership profile. No volunteers.
- Thanked old executive.
- Presented past president Ken Brady with a plaque for his service.

Wally Ebert gave us the Treasurer's report and we have a total of \$2266.06.

Tom Bridges awarded Breeding Award Certificates to:

Dave Furness for the Jack Dempsey

Dave Unruh for a wild angel, *Pterophyllum leopoldi*

Barb Ireland from the Brant Aquarium Society gave us some information about the 2011 CAOAC Convention being held in Brantford May 20 – 23. It will be held in the Brant Park Inn (Best Western) from Friday until Monday. Convention tickets can be purchased in advance for \$80 until May 1, \$90 until May 19 and \$100 at the convention. For more details: <http://www.caoac.ca/convention.html>.

We had a very informative and enjoyable program about Showing Fish by Jerry Draper from the Tropical Fish Room in Brantford. Some tips from the program:

- Read the rules
- Make sure you have the time and place right
- Be early
- Condition fish in a separate container before the show
- Live foods very good for conditioning
- Choose containers depending on size of fish
- Do not feed fish in the last 24 hours before the show
- Transport in show containers if possible

Take with you:

- 3 way valves
- Air line
- Air stone (check to make sure not plugged)
- Knife to cut line
- Towels or paper towels to clean tanks after setting up
- Net to scoop out debris
- Pail
- Extra bags
- Flat sided containers
- Clear fresh water (conditioned)
- Coloured background that shows off your fish (if rules allow)
- When catching fish, try to chase them into the net, this will alleviate marks from netting.

Ken Brady gave us an update on our Webpage. He is still adding all the rules and forms for the show and auction.

Patrick Shriner gave us the Jar Show results:

Fish of the Month

1st Ken Brady

AOV

1st Tom Hillier

2nd Ken Brady

3rd Pam Danyluck

Meeting adjourned at 9:45 after the evening auction.



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Julidochromis marlieri

by Tom Hillier

Julidochromis marlieri is a torpedo shaped rock dwelling cichlid from Lake Tanganyika. Julies are somewhat shy and need lots of rockwork. They can be aggressive towards their tank mates while guarding their territory.

When getting your Julies get about six. Once a pair is formed do not change anything in your tank because the arrangement of rocks is their boundaries. Spawning will begin after pair formation. When spawning, the male will find a dark cave in a secluded part of the tank. After enticing the female to enter, she will lay her eggs on the ceiling of the cave and the male will pass over them depositing his milt. The eggs are bluish-green in colour and about 1.2mm in size. Julies are excellent parents. The fry grow very slowly.

The female grew to about 14cm and the male about 12cm. They need some vegetable matter in their diet. The best foods I have found are frozen Cyclops daphnia, mysis, brine shrimp and a good flake food.

Tank size should be at least 15 gallon for a pair and a fine sand or gravel should be used for the substrate. Ideal water temperature is 77-79

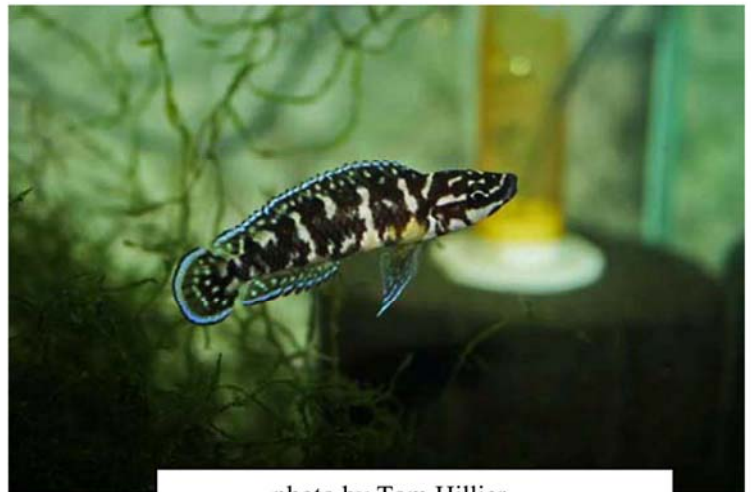


photo by Tom Hillier

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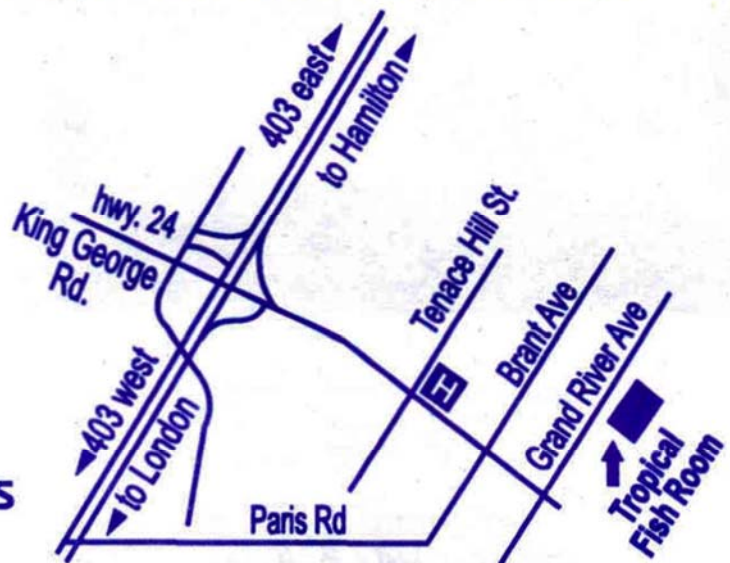
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Julidochromis dickfeldi

by Tom Hillier

Common names, Dickfeldi, Juli, Blue Julie, Brown Julie. Very similar in body shape to *Julidochromis ornatus*. The body is light brown to yellow in colour with three lateral stripes. The upper stripe runs along the back to the base of the caudal fin. The lowest stripe runs from the snout, through the lower part of the iris of the eye, to the caudal fin. The dorsal fin is dark grey to black with a series of small whitish yellow spots. The fin also has a white to violet edge. The anal and caudal fins have the same colouring and pattern. The caudal fins are violet. Sometimes the belly is white.

They get to be about 4 in. in size. They need about a 30-gallon aquarium and temp should be between 73 and 81 degrees.

Each fish sets up a large territory to defend against others of its own species. Usually about 40 eggs will be laid on the ceiling of a chosen cave. After hatching, two to three days later, the fry adhere themselves to the side and ceiling of the cave. After 4 to 6 days, the fry emerge and can be fed micro or crushed food.



Marineland Double Bright LED Lighting System

Product Review by Dave Unruh

all photos © by Dave Unruh

Marineland has a brand new line of aquarium lighting systems called “Marineland LED Double Bright Lighting System”. LED’s (light emitting diodes) are the latest rage in aquarium lighting. Marineland has made a few sizes that should fit most aquariums from 18” to 48”. I was able to get the largest one (fits from a 36” long tank to a 48” tank). *Thanks to Dan from M.O.P.S for providing the product.*



This strip light is quite an impressive light fixture, with 16 white one watt LED’s & 8 blue LED’s for a total of 24 LEDs. Each of the LEDs has a polycarbonate lens that enhances and protects the light and creates a shimmer effect in the water. Each white LED draws only 1 watt of power, and produce 75 lumens each. The blue LEDs are rated at 60mW, so it is a very power efficient light. Marineland rates it at 1200 lumens



Understanding lumens and lux go far beyond this review, but here are some definitions that may help you to understand these terms. Lux is the light level you get when you hold a lit candle one meter from the subject in a dark room. If you hold the candle just a foot away from the subject the illumination is brighter, and

that lighting level is called one foot-candle, or about 10.7 lux. (10 lux = 1 footcandle is close enough.). To light a surface of one square meter evenly at 1 lux requires one lumen of total light. Since the area of a sphere one meter in radius is 4π square meters, the total light output of a candle is 4π (about 12.6) lumens. So a candle is a little dimmer than a one watt light bulb.



I measured the light output using my Gossen Lunasix light meter set on the incidental setting at a distance of 12” from the light & found that it produced approximately 1400 lux. For comparison I tested a T5 high output light (2 - 48” tubes) & found that it produced a reading of about 2800 lux. Using the reflected light setting gave much higher readings at 88000 and 150,000 respectively. With that comparison I would expect that the LED lighting may not be suitable for a marine tank with corals, but for planted freshwater tanks it might be suitable. The LEDs are rated to last for 17,000 hrs, so if you used them for 10 hours a day they should last for about 4 ½ years.



The unit its self is very thin – about 2 cm thick, 12.7cm (5”) wide by 89cm (35”) long & not very heavy at a mere 1.4 Kg (3 lbs). There are metal extensions on the ends which can be pulled out to make it fit over a 122cm (48”) long aquarium. There is an on-off switch that allows one to turn the unit on with both white & blue LEDs on or just the blue LEDs. I would have preferred to have 2 power cords so that timers could be used to have daytime light & using the blue LEDs only there could be a nighttime or evening illumination. It does not matter that much though as the blue LEDs are not that bright.



I put the unit over a 136Litre (30 gallon) tank 91 x 40 x 30 cm (36 x 16 x 12”H) placed end to end (the long way). I did not have a glass cover over this tank. It was previously lit by two 48” daylight deluxe fluorescent tubes placed from side to side (the short way) rather than end to end.

The LED strip looks very pleasing in both the amount of light falling in the tank and the color of the light, which I would describe as white rather than yellow, red or blue. The tank is heavily planted with lots of Vallisneria spiralis (Italian Val), some Cryptocoryne nurii and some Anubias barteri and Anubias nana. These plants all grew well with the fluorescent light previously used. The plants looked very nice with the LED light, the light looked natural.

There are a lot of wild Endlers livebearers in the tank & the males color looked bright and vibrant.

I am very favorably impressed with Marinelands Double Bright light strip, combining great economy with great color rendition. I placed one of these over a customer’s 200 gallon fish only marine tank (40” x 32 x 36”H) and was very surprised to find that it illuminated the tank very nicely – even to the bottom of that 36” deep tank. The fish’s color looked very bright, particularly the blue damsels.

What remains to be seen is will the LEDs last for 41/2 years, will the light spectrum change with time and how will the freshwater plants respond to the new light. Time will tell. I plan to leave this light on the tank for six months and then report back with the results. How did the plants grow? Was there more algae growth?

The cost of the product tested can be purchased from between \$160.00 to \$180.00

As for using this light on a reef tank, I think it is not bright enough for that. But I hear that Marineland has made a new LED light for reef tanks – called Reef Capable LED that is said to have more & brighter LEDs! I have not seen this product yet, but it sounds interesting.

To all club members

Just a reminder about our annual Auction & Show on October 31st.

We need your help to make this event a success. More information about how you can help at the next meeting on October 4th.

FISH SHOW AND AUCTION!!

The **St. Catharines & Area Aquarium Society**

will be hosting

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on Sunday, October 31st

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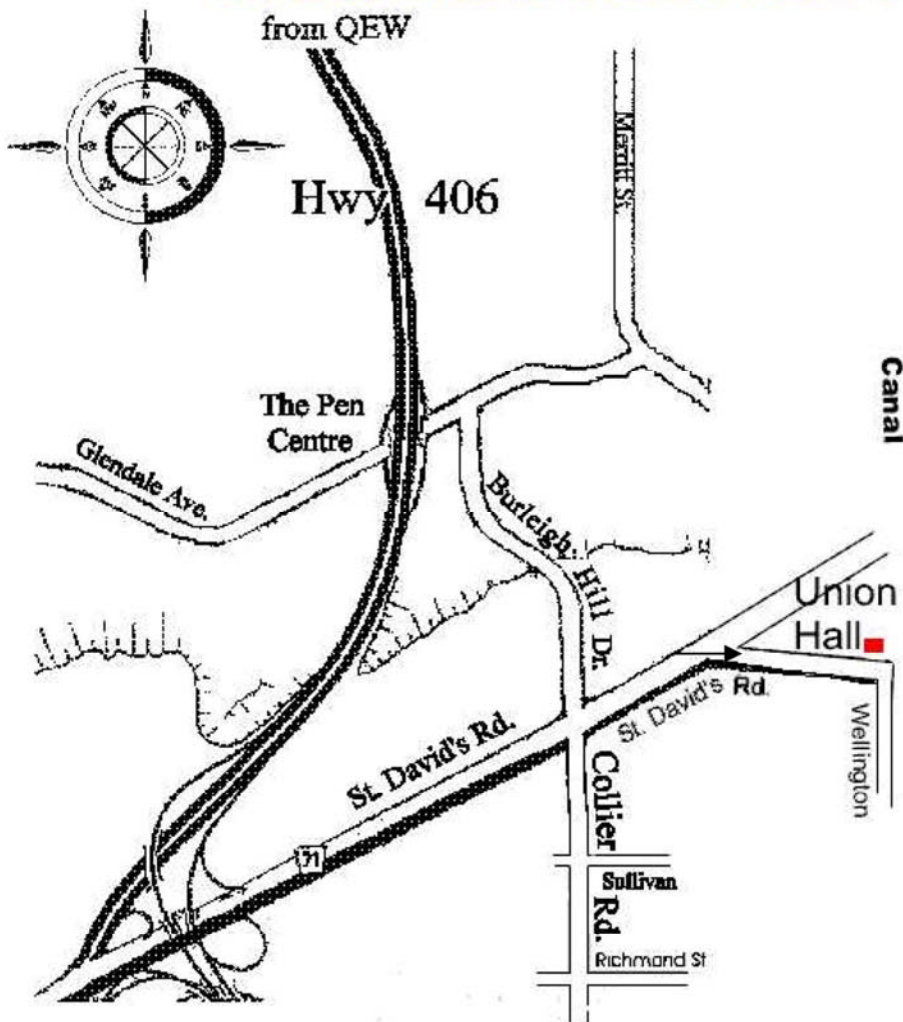
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For advanced auction lot #s

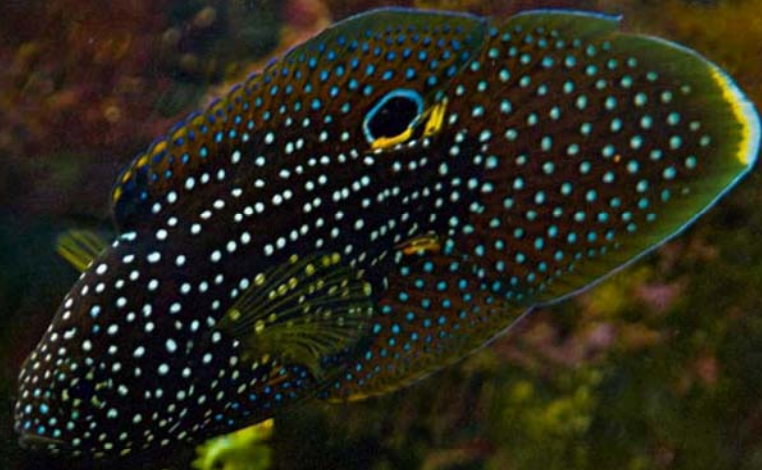
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4 Photos



Geophagus steindachneri

photo © by DAve Unruh



Calloplelesops altivelis

photo © by DAve Unruh

Panaque L191 (Dull eye pleco)

photo © by DAve Unruh



Neolamprologus olivaceus

photo © by DAve Unruh

THE ST. CATHARINES & AREA AQUARIUM SOCIETY

JAR SHOW RULES

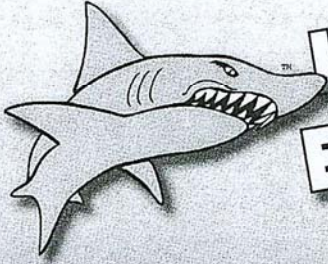
1. The monthly jar show will consist of three separate classes:
 - (a) Fish of the Month (found in the SCAT each month)
 - (b) Open Class
 - (c) Junior Class (16 yrs. of age and under]
2. All members entering FISH OF THE MONTH may be Senior or Junior with no distinction. If a Junior is awarded points, these points go to his/her Junior total points.
 - (a) Standard C.A.O.A.C. approved 1 gallon show tanks should be used, but square-faced jars will be accepted.
 - (b) Drum bowls are permitted for Bettas and Guppies. No round jars are permitted. If fish is too large, an aquarium of up to 20 gallons may be used.
3. The Jar Show Chairperson will have complete control of all entries, disqualifying sick or injured fish, etc..
4. No plants, gravel, ornamentation, artificial colouring or medication of any kind will be allowed. Solid coloured paper backing outside of tanks is permissible.
5.
 - (a) Members may enter a total of three (3) entries each month. Visitors may show fish on their first and/or second visit but must take membership in order to make any subsequent showings.
 - (b) A family membership consists of a couple (and their children if any). A family entering monthly jar shows is only allowed to enter a total of three (3) fish as a family holding a family membership. These entries must come under individual point scoring as a Junior or Senior.
6. All entries for the Jar Show must be single fish only.
7. The decision of the judge/s is final. Judge/s will be available for comment at the close of the meeting.



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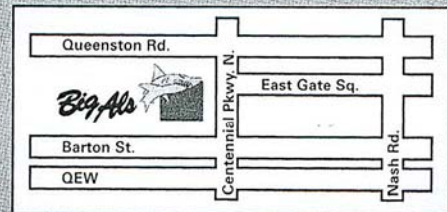
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