

The Official Publication of the St.Catharines & Area Aquarium Society since 1958
Volume 23 No.8 April 2011

The

SCAT



In This Issue :

Angel Fish

Member Bio

Carassius auratus auratus

Rainbowfish - Chilatherina

scaas.info



Club Notes

Our Mission Statement: Meetings of the St. Catharines & Area Aquarium Society are held on the first Monday of each month, 7.30p.m., at the Seafarers & Teamsters Union Hall, 70 St. Davids Rd. E. Thorold, and Ont. 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) www.caoac.ca. SCAAS is also a member of the Federation of American Aquarium Societies (FAAS). 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 April 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 Sue Buchan on Frogs

2010 – 20011 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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Secretary – Pam Danyluck - - - - (905)562-3290 danyluck@sympatico.ca
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Past President Ken Brady - - - - (905) 935-4716 kbrady2@cogeco.ca

2010 – 2011 Committees

Aquatic Horticulture Awards Joe Krawchuck drummers_secret@hotmail.com
Archives Tom & Pat Bridges - - (905) 735-3352 tp.bridges@sympatico.ca
Auction Coordinator – Tom Bridges - (905) 735-3352 tp.bridges@sympatico.ca
Auctioneer – open
Breeder Awards – Tom Bridges - - (905) 735-3352 tp.bridges@sympatico.ca
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Editor DAVE Unruh - - - - (905) 684-9860 dunruh@cogeco.ca
Jar Show – Pat Shriner – - - - (905) 354-1367 gpsriner@sympatico.ca
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Library - Jeff Phelps – - - - (905) 892-0248 lphelps@vaxxine.com
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Programs – Pam Danyluck - - - - - - - - danyluck@sympatico.ca
- Tom Hillier - - - - - - - - tom.hillier@hotmail.com
Press/publicity – Ken Brady - - (905) 935-4716 - kbrady2@cogeco.ca
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Refreshments – Shawn & Shirley Markowski - - - - srogers33@cogeco.ca
Web Master - Ken Brady - - - - - (905) 935-4716 kbrady2@cogeco.ca

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Membership Dues:

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

Inside This Issue

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Cover photo of a
Cirrhilabrus rubriventralis
(Long Fin Fairy Wrasse)
Photo © by DAVE Unruh

Jar Show

The fish of the month
are :
Angels & Discus

President's Message

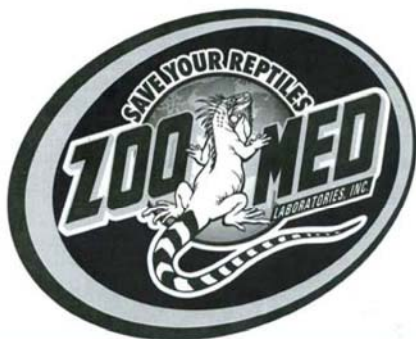
March is gone and here we are into spring. So everyone with ponds will soon be getting started on them. March's meeting went really well and I hope everyone had a good time. The talk was on C.A.R.E.S given by Klaus Steinhaus on endangered species. If you have any questions please contact Pam Danyluck who will be part of the committee with Bob Hayslip and Heather Krawchuk.

This month's program will be on dwarf frogs given by Sue from the Hamilton Club. I have seen this presentation and it is well worth seeing. This month the jar show is on Angels and Discus and Aov so bring out your fish and have them judged.

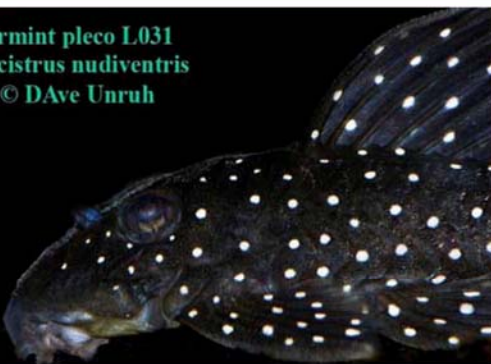
With the auction and show in October now is the time to start breeding those show fish. See you on April 4th.

Do not forget the food bank

Tom



Peppermint pleco L031
Parancistrus nudiventris
Photo © DAve Unruh



UPCOMING EVENTS TO OCTOBER 30, 2011

March 27, 2011 [Brant Aquarium Society](#)
SHOW & AUCTION

April 2 - 3, 2011, Calgary Aquarium Society presents a Speaker Weekend with SHOW & AUCTION. Come see Gary Lange, Spencer Jack and Aquaflora at the Montgomery Community Hall, located at the corner of 16th avenue and Home Rd.

April 10, 2011 Durham Region Aquarium Society SHOW & AUCTION

April 17, 2011 (Annual Reports are due)
10:30 a.m. CAOAC Executive meeting in Waterdown, ON

12:00 p.m. CAOAC General meeting in Waterdown, ON

May 20 - 23, 2011, CAOAC annual convention hosted by the Brant Aquarium Society at the Best Western Brant Park Inn, Brantford, ON, Canada
SHOW AND AUCTION

June 26, 2011 CAOAC meeting/President's BBQ

10:30 a.m. CAOAC Executive meeting in Waterdown, ON

12:00 p.m. CAOAC General meeting in Waterdown, ON

October 2, 2011 Hamilton & District Aquarium Society SHOW AND AUCTION
October 23, 2011 St. Catharines & Area Aquarium Society SHOW AND AUCTION
October 30, Kitchener Waterloo SHOW & AUCTION

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Angel fish

Text & photos by Dave Furness

This attractive fish is from the Central Amazon and the tributaries to Peru & Eastern Ecuador.

I was given three adult angels by a friend of mine, about a year ago. I placed them into a 50 gallon tank, which had a bit of gravel and a box filter. The temperature was kept at 78 degrees Fahrenheit, and the PH was 7.2. These fish were a good 6 inches long and 8 inches high.



Their body had a silver background and dark marbled markings along the body. I had decided to try and spawn them again for BAP program, since I had spawned them once before, when I was a teenager and did not participate in the BAP program. All I had to do was plant a couple of broad leaf plants, and placed a couple of pieces of slate at a 45 degree angle against the aquarium glass. They made several attempts at spawning, laying eggs on plants one time, then the slate a couple of times, but it always ended with the parents eating the eggs after a day or two.

The next time that they spawned on the slate, I removed it and placed the egg covered slate into a 5 gallon aquarium, along with the water from the parent's aquarium. I placed a heater into the tank to keep the water temperature the same as the parent's aquarium, which was 78 degrees Fahrenheit. An air line was placed near the bottom of the slate, and the air was turned on low. A few drops of methylene blue were added to the tank as well, to control any fungus attacking the



eggs. The angelfish the size of mine could have laid up to 1000 eggs, but the eggs from this spawn were far from that. Once the eggs started to hatch, they started to hang together, connected by a fine sticky thread attached to their heads.



They all start to vibrate to keep the water moving around them. In 3-4 days, the yolk sac had been absorbed and the thread disappeared. The parents were fed twice a day to condition them, with blood worms or adult brine shrimp at one feeding and flake food at the other.



The approximately 100 fry were fed liquid fry for a couple of days after the fry became free swimming. They were then fed baby

brine shrimp twice a day. When they became dime size, I gave them some microworms once in awhile.

SCANNING THE EXCHANGES

& etc.

with Pat and Tom



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

▶ ... in the **Hamilton & District Aquarium Society's** bulletin —

March, 2011

*Spawning *Ancistrus* sp. *Pucallpa* & Flowering *Barclaya Longifolia* by Charles Drew

▶ ... in the **Youngstown Area Tropical Fish Society's** newsletter 'Youngstown Aquarist' —

March/April 2011

*Long-finned brown Bushynose Plecos by Karen Guman

**Peckoltia* – Leopard Frog Pleco or Gold Banded Pleco by Eric Bodrock

▶ ... in the **Potomac Valley Aquarium Society's** newsletter 'The Delta Tale'—

Summer issue 2010

*Taking a Look at Cub Run by Sherry Mitchell

Fall 2010

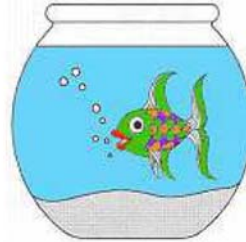
*Maintaining Blackworms without a Refrigerator by David Snell

If you'd like to read any of the newsletter articles, and if they aren't available on the respective clubs' websites, just let me know and I'll email them to you. My email address is tp.bridges@sympatico.ca



FISH BAGS

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



Give your fish a change of pace...bring them to a jar show once in a while and get in line for a trophy!



Please wear your name badges at meetings. They are 'an easy introduction'; they establish a sense of community, hospitality and a friendlier atmosphere.



BAP ACHIEVEMENT AWARDS presented at the March meeting

Dave Unruh

Macrobrachium dayanum

(Red Claw Macro Shrimp)

Neocaridina heteropoda (Cherry Shrimp)

Congratulations!

Tom Bridges

BAP Chair



See the list of **Upcoming Events** elsewhere in this newsletter

Year of the Rainbowfish

A monthly column about Rainbowfish
by Derek P. S. Tustin

Reprinted from the March 2011 issue of "Tank Talk",
the newsletter of the Durham Region Aquarium Society

Chilatherina



Chilatherina fasciata (Clearwater Creek)
Photo by Neil Armstrong

Latin translations often make sense. In others they may be descriptive, but often verbally are unattractive. This month we are taking a quick look at the "Lip Silversides" (see, isn't that unwieldy?), better known as the *Chilatherina* family of Rainbowfish.

About the Lip Silversides

The *Chilatherina* family consists of ten species from northern New Guinea (including one species endemic to Yapen Island just off the northern coast). Most (seven species) come from riverine habitats although three (*Chilatherina bleheri*, *C. fasciata* and *C. sentaniensis*) can also be found in lacustrine habitats. The first two species, *C. fasciata* (first described as *Rhombattractus fasciatus*) and *C. crassispinosa* (first described as *Rhombattractus crassispinosa*) were described by Max Weber in 1913.



Chilatherina alleni
Photo by Gerald Allen

So what makes them different from the *Melanotaenia* family? Not much to be honest. Scientifically, the major difference is primarily how their jaws are structured. It is true that if you look very, very closely, you will see that the mouth of the *Chilatherina* family is pointed slightly downward, with the upper lip overhanging the lower lip. In the *Melanotaenia* family the lips tend to be more even, and in the *Glossolepis* family (which we'll come to next month) has the lower jaw protruding past the upper lip. The lip feature when combined with their slightly silver appearance (especially that of *Chilatherina crassispinosa*, one of the first two species described) leads to the family name of *Chilatherina*. It is derived from the Latin word "chelios" which means "lip", and the Latin word translated as silverside, "atherina".

The *Melanotaenia*, *Chilatherina* and *Glossolepis* families are all closely related. The key difference to telling them apart, other than the jaw structure mentioned above, is in terms of body shape. *Chilatherina* are very streamlined. *C. crassispinosa* (a beautiful silver fish that is apparently unavailable in the hobby globally) is by far the most streamlined, but all members of the *Chilatherina* family look very sleek. *Melanotaenia* tend to be in the middle, and *Glossolepis* are more rounded.

Of the ten *Chilatherina* species known, five are unavailable in the hobby. Two, *Chilatherina fasciata* and *C. bleheri*, should be considered uncommon (although they are often found at aquarium society auctions in southwestern Ontario), and the remaining three, *C. alleni*, *C. axelrodi* and *C. sentaniensis* are very rare.



Chilatherina bleheri
Photo by Neil Armstrong

Chilatherina & C.A.R.E.S

Two species of *Chilatherina* feature on the C.A.R.E.S. Conservation Priority Species At Risk List. They, along with their status, are;

- *Chilatherina bleheri* – Vulnerable, At Risk in Nature
- *Chilatherina sentaniensis* – Critically Endangered, At Risk in Nature



To refresh;

- Vulnerable means “(a) species facing a high risk of extinction in the wild in the medium term future.”
- Critically Endangered means a “species facing an extremely high risk of extinction in the wild in the immediate future.”

While I don't believe that any DRAS members are currently keeping *Chilatherina bleheri*, we do have two people keeping *C. sentaniensis*. In fact, in 2010 Barry McKee was acknowledged by the Canadian Association Of Aquarium Clubs (CAOAC) as the first person to breed this species in Canada.

A word of caution regarding *Chilatherina sentaniensis* – In 1983 *C. fasciata* were first introduced into the hobby and were misidentified as *C. sentaniensis*. While this misidentification was recognized and most people corrected the name, some *C. fasciata* were still being sold as *C. sentaniensis*, even while true *C. sentaniensis* were being sold.

As a result of the above confusion, many of the fish being sold as *Chilatherina sentaniensis* are in fact hybrids, often having been crossed (usually unintentionally) with *C. fasciata*.



Chilatherina sentaniensis
Photo by Christophe Maillet

Therefore, if you do find *Chilatherina sentaniensis*, be sure to find out the provenance of the fish by determining who the breeder was and, if at all possible, where their stock originated. Menagerie Pet Shop in Toronto, Ontario and Jeff Burch (a local breeder in London, Ontario) both have excellent and verified stock of *C. sentaniensis*.

Personal Experience

Chilatherina species are very hard to find, and even more so if you are searching for pure strains. I have been fortunate enough to have kept two species; *Chilatherina sentaniensis* and *C. fasciata*.

I currently have *Chilatherina sentaniensis*, but haven't been able to duplicate Barry McKee's success. I also kept *C. fasciata* this past summer, and kept them in my pond. At the end of the season, I had in excess of 60 fry.

Should you find some, I would highly recommend them for their beauty, their rarity and their need for conservation,



Chilatherina sentaniensis
Photo by Klaus Steinhaus

Species	Origin of Name	Year	Origin	Maximum Size		Water Temperature			pH		Availability in Canada	
				cm	inch	°C		°F	Low	High		
<i>alleni</i>	Dr. Gerald Allen (<i>Australian ichthyologist</i>)	1997	Papua New Guinea	9	3.50	24	30	75	86	6.0	8.4	Very Rare
<i>axelrodi</i>	Dr. Herbert Axelrod (<i>American ichthyologist and expedition financier</i>)	1980	Papua New Guinea	10	4.00	24	30	75	86	7.5	8.0	Very Rare
<i>bleheri</i>	Heiko Bleher (<i>German ichthyological explorer</i>)	1985	Papua New Guinea	12	4.75	22	28	72	82	7.5	8.0	Uncommon
<i>bulolo</i>	Bulolo Valley, Papua New Guinea	1938	Papua New Guinea	10	4.00	23	29	73	84	7.5	8.5	Unavailable
<i>campsi</i>	Norman Camps (<i>Australian ichthyologist</i>)	1956	Papua New Guinea	9	3.5	21	27	70	81	7.6	7.8	Unavailable
<i>crassispinosa</i>	Thick Spined (<i>crassi = Latin "thick" + spinosa = Latin Latin "with spines"</i>)	1913	Papua New Guinea	10	4.00	23	29	73	84	7.5	8.5	Unavailable
<i>fasciata</i>	Banded (<i>fasciata = Latin "banded"</i>)	1913	Papua New Guinea	12	4.75	25	31	77	88	6.2	8.1	Uncommon
<i>lorentzi</i>	Dr. Hendrik Lorentz (<i>Dutch physicist and expedition financier</i>)	1908	Papua New Guinea	12	4.75	22	26	72	79	6.5	7.2	Unavailable
<i>pricei</i>	David Price (<i>Australian ichthyologist and explorer</i>)	1996	Yapen Island	10	4.00	24	26	75	79	7.5	8.1	Unavailable
<i>sentaniensis</i>	From Lake Sentani (<i>Sentani + ensis = Latin "from"</i>)	1908	Papua New Guinea	12	4.75	29	32	84	90	6.2	6.8	Very Rare



Chilatherina sentaniensis
Photo by Klaus Steinhaus

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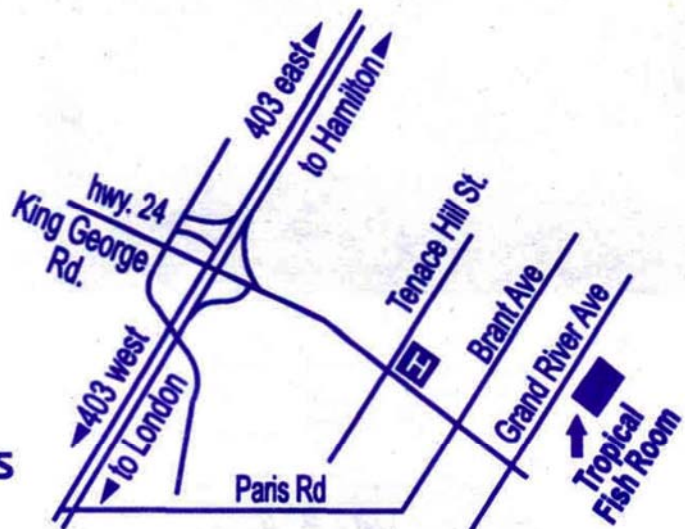
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Executive Meeting Highlights

submitted by Pam Danyluck

June Meeting

Will be our annual summer BBQ as well as the usual Elections, Awards and nightly auction. If time permits there will be a short program by Tom Bridges. We also have a new award in memory of Wally Ebert for Exceptional Service to the club. We may also be starting meeting earlier, will keep you posted.

Show & Auction

Date has been set for October 23, 2011. Add it to your calendars. We will be looking for volunteers for the committees at our next meeting. Tom Hillier has agreed to be Show and Auction chairman this year.

New Policy

Any member doing a program for the club will be offered \$20 or a one year membership.

Request by our Auction Coordinator (for the monthly meeting auctions)

No Ziploc bags please for fish.
Effective immediately Seller will be charged a \$1.00 re-bagging fee.
Bags are available at membership desk:
25 for \$3.37
1 for \$0.25

Request by the Executive

If anyone has any suggestions, issues, concerns regarding the Club in anyway please submit in writing to one of the Executive Members. They will then discuss it at their next meeting and someone will get back to you regarding the matter.

Programs

Please contact the program committee with any suggestions for programs as we will soon be working on next years speakers lists. If anyone is willing to do a program please contact us.

Raffle

A raffle table will now be set up next to the membership table where tickets will be available from Heather Krawchuk.

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Minutes of March 7, 2011

Meeting commenced at 7.30 pm.

President Tom Hillier

- Welcomed New member Chris Chen
- No guests at this meeting
- Club News:
 - o Purchased a tank for a raffle, tickets now available from Bob Hayslip.

Upcoming events:

March 27, 2011 Brant Aquarium Society **Show & AUCTION**

April 10, 2011 Durham Regional Aquarium Society **SHOW & AUCTION**

April 16, 2011 Sarnia Aquarium Society **AUCTION ONLY**

May 20 - 23, 2011 CAOAC Annual Convention hosted by the Brant Aquarium Society

Best Western Brant Park Inn, Brantford ON Canada **SHOW & AUCTION**

Early Bird Tickets by May 1st, 2011 \$80 at the door \$100

- Pet Store Poker Run
- Casino Night & Auction
- Karaoke
- Banquet & Award Dinner
- Fish Show
- Public Auction Monday

Secretary's minutes from February meeting can be found in March Scat

Bob Hayslip Presented Treasurer's report Total Funds \$1346.46 Float 167.12 Bank 1179.34

Tom Bridges presented Breeders Award to:
Dave Unruh x 2

Joe Krawchuk presented Horticultural Awards to:
Tom Hillier (several)

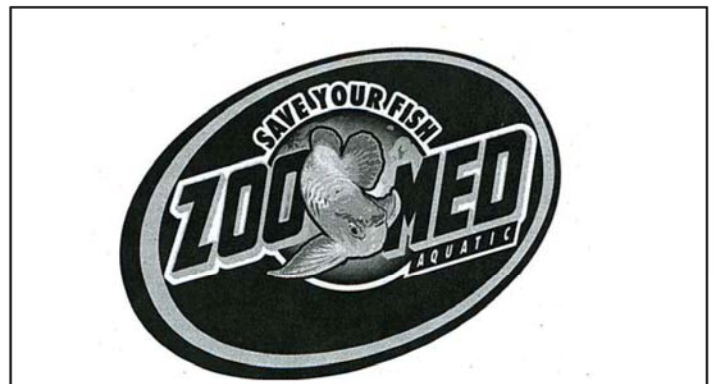
Our program this meeting was on C.A.R.E.S. presented by Klaus Steinhaus. This program is about the preservation of species at risk by hobbyists and how we can get involved.

Patrick Shriner presented the Jar Show awards
to Ken Brady and Tom Hillier

Door Prize
Regular Evening Raffle
Evening Auction

Meeting adjourned at 9:37 pm

submitted by Pam Danyluck



Member Bio

by Heather Krawchuck

This month we are happy to welcome new member, Chris Chen, to our club. Chris grew up in Jamaica and has kept fish for most of his life, but says that it has only been during the past six years that he has done so with drive and ambition



He currently has a 100 gallon and six fifty-four watt T-5's (that's a lot of light!). In addition, he recently became interested in the reef-aspect of saltwater tanks.

Chris set up a fifty gallon tank for his uncle, sharing his enjoyment of the hobby with family. He also says that while he did not plan on adding any new tanks, since joining the club he thinks that a small freshwater tank will be coming along soon – I think we've all been there, Chris!

I personally started off with a twenty gallon thinking I'd be perfectly content, but here I am six months and five tanks later! If you're going to be addicted to something, this peaceful and enjoyable hobby certainly is the addiction to choose! Welcome to the club, Chris!

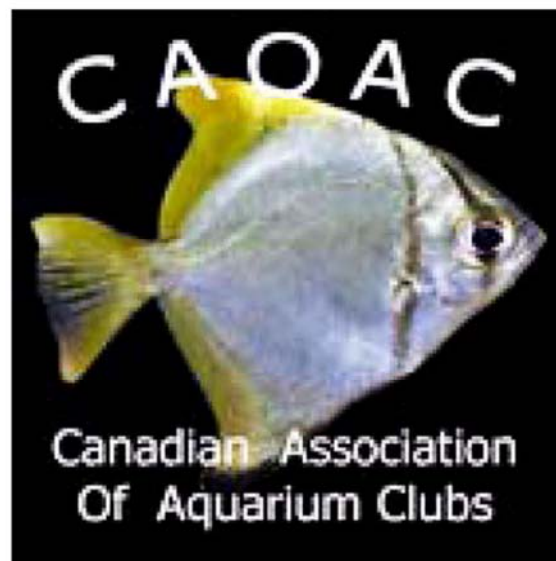
CAOAC BITS from the Sunday, March 20 CAOAC meeting.

The rules and regulations of the new fish import document were discussed. A formal writing from Bob Wright, who attended the meeting on this, will be in the next CAOAC newsletter. These rules and regulations will come into effect on December 1 of this year. Ignorance of these rules when taking fish across the border and bringing fish back to Canada could result in serious consequences. All fish coming and going are going to need information forms filled out. More later.

CAOAC Awards: Changes are being made to the Target Lists for breeding awards.

'First Ins' were announced for Tim McCaskie, Durham Club.

The caoac website will be updated shortly...convention information included.



Carassius auratus auratus

(Goldfish) Text & photos by Dave

Furness

The goldfish is a peaceful fish that can attain a length of 19 inches. This fish is a domesticated version of a dull coloured carp *Carassius auratus*, the Prussian carp. The red-gold coloration under certain conditions is first recorded for the goldfish, in the year 970. By 1200 AD, there were more varieties that had already been developed. The goldfish became a popular fish in China by about 1500 to 1600. The Crucian carp is said to be the wild version of the goldfish.



The pH range for goldfish is between 7.2 and 7.8. The aquarium temperature range should be, between 65 and 75 degrees Fahrenheit. In a pond they can survive temperatures under 50 degrees Fahrenheit. The life span of a goldfish in the aquarium can be between 5 to 10 years. In a pond they can live between 10 to 20 years. There has been a goldfish known to have lived up to 43 years old.



The variety of goldfish that I have, are called comets, and the seven of them were saved from a bag full of feeders that I had bought. The seven of them had grown to between 5 to 6 inches before they started to spawn. They were placed in a large laundry storage container, which is able to hold over 50 gallons. The tub was furnished with a box filter and two or three hanging mops. The mops hung down to the bottom of the container. I find that the shorter mops are never in use.

The males have bumps on their operculum (gill covers) called “nuptial tubercles”, which appear when they are ready and able to spawn. I conditioned the fish by giving them chopped, uncooked, store bought shrimp, duckweed, lettuce and flake foods. When spawning, the males chase the females through the mops, where they deposit and fertilize their adhesive eggs. I checked the mops every four days, and when I find some of them carrying eggs, I place the mops in another container with an airstone, turned on low enough to circulate the water around them.



A large female can lay up to 10,000 eggs over the days that they are spawning. The eggs hatch in 48 to 72 hours. The fry were fed, after they were free swimming, some green water, and some liquid fry for egg layers. Goldfish start off as an olive colour, and stay that way until they are about 10 to 14 months old.

CAOAC Fish Breeders Data Base

Database Entries for Michael Daniels

FISH	CLASS	DATE
<i>Carassius auratus</i>	all other	apr99
<i>Ricola macrops</i>	catfish	may01
<i>Cichlasoma (Thorichthys) meeki</i>	cichlid	apr02
<i>Cichlasoma managuense</i>	cichlid	apr99
<i>Geophagus steindachneri</i>	cichlid	apr99
<i>Pterophyllum scalare</i>	cichlid	apr02
<i>Belonesox belizanus</i>	livebearer	june01



Database Entries for Mike Nelson

FISH	CLASS	DATE
<i>Ancistrus dolichopterus (Albino)</i>	catfish	may07
<i>Cichlasoma (Archocentrus) nanoluteus</i>	cichlid	oct07
<i>Nimbochromis venustus</i>	cichlid	dec09
<i>Placidochromis phenochilu</i>	cichlid	dec09
<i>Pseudotropheus (Metriaclima) estherae</i>	cichlid	dec09
<i>Cherax holthuisi</i>	invertebrate	nov08
<i>Cherax peknyi</i>	invertebrate	nov08
<i>Cherax quadricarinatus (Redclaw yabby)</i>	invertebrate	nov07
<i>Geosesarma sp. "Vampire" Crabsi</i>	invertebrate	dec09
<i>Procambarus clarkia</i>	invertebrate	nov08
<i>Ameba splendens</i>	livebearer	nov08
<i>Limia perugiae</i>	livebearer	nov07
<i>Xiphophorus helleri</i>	livebearer	nov08
<i>Pterapogon kauderni</i>	marine	nov07

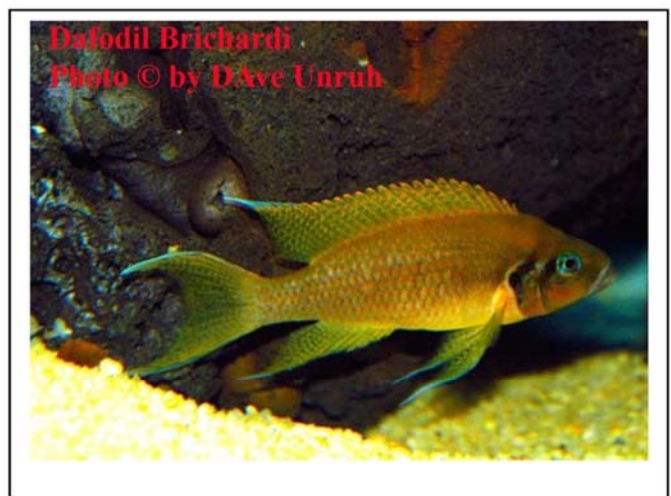


Database Entries for Jack Vandermaas

FISH	CLASS	DATE
<i>Neolamprologus pulcher "daffodil"</i>	cichlid	oct99

Database Entries for Brian & Sue Glazier

FISH	CLASS	DATE
<i>Skiffia lermiae</i>	livebearer	feb10
<i>Xiphophorus alvarezii</i>	livebearer	feb10
<i>Xiphophorus mayae</i>	livebearer	feb10

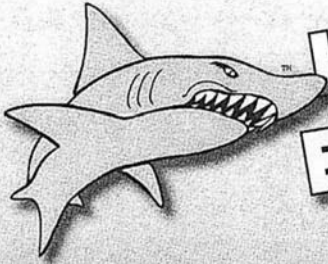




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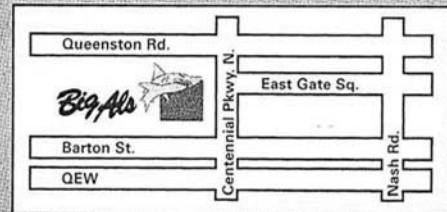
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