

The Official Publication of the St.Catharines & Area Aquarium Society since 1958

Volume 23 no. 10 June 2011

The

SCAT

The background of the cover is a photograph of two striped fish, likely Blue Swords, swimming in an aquarium. The fish are positioned diagonally across the frame, with one in the upper center and another in the lower right. They have dark bodies with prominent light-colored vertical stripes. The tank floor is a light-colored, textured substrate, and the background is dark, suggesting a tank environment.

In This Issue :

Blue Swords

Redhead Severums

Chilatherina Rainbowfish

Xiphophorus nezahualcytl

Analysis of SCAAS Members' fish Breeding

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 June 06 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 Tom Bridges (if time allows)

2010 – 2011 Executive

President – Tom Hillier - - - - (905)227-5008 tom.hillier@hotmail.com
1st Vice President – John Verhage – (905) 735-7776 jverhage@on.aibn.com
2nd Vice President – Bruce Hallett - (905) 934-7138
Secretary – Pam Danyluck - - - - (905)562-3290 danyluck@sympatico.ca
Treasurer – Bob Hayslip - - - - (905) 646-2802 jules_bob@hotmail.com
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
CAOAC Representative – Tom Hillier (905)227-5008 tom.hillier@hotmail.com
Editor DAve Unruh - - - - - (905) 684-9860 dunruh@cogeco.ca
Jar Show – Pat Shriner – - - - (905) 354-1367 gpshriner@sympatico.ca
Library – Gary Phelps - - - - (905) 563-6523 gphelps@yahoo.ca
Library - Jeff Phelps – - - - (905) 892-0248 lphelps@vaxxine.com
Membership & Exchanges – Pat Bridges (905) 735-3352 tp.bridges@sympatico.ca
Programs – Pam Danyluck - - - - - - - - - - danyluck@sympatico.ca
- Tom Hillier - - - - - - - - - - tom.hillier@hotmail.com
Press/publicity – Ken Brady - - (905) 935-4716 - kbrady2@cogeco.ca
Raffle & Draws – Priscilla Heus - (905) 988-9741 heus7@hotmail.com
Refreshments – Shawn & Shirley Markowski - - - - srogers33@cogeco.ca
Web Master - Ken Brady - - - - - (905) 935-4716 kbrady2@cogeco.ca

Reprint Policy

Any not-for-profit organization may reprint articles from "The Scat" provided credit is given both to the author of the article and to the St.Catharines & Area Aquarium Society (SCAAS) and that two copies of the reprinting publication are sent to : Exchange Editor, Pat Bridges 4 Crescent Dr. Welland, Ont. Canada L3B 2W5. Opinions or endorsements expressed in any article do not necessarily reflect the views of the SCAAS.

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 pair of spawning Eretmodus cyanostictus (Goby Cichlids)
Photo © by DAve Unruh

Jar Show

The fish of the month for June is : Goldfish & Koi

President's message

Well only one meeting left for another year. By the time you have read this the 2011 convention will be over. At our last meeting we had Catherine Salmon do a presentation on Bettas which was very interesting and informative. She did a great job.

We will have our BBQ at our meeting in June at 6.30 with hot dogs, burgers and salads. We would like our members to bring salads and desserts to the BBQ.

We will then have our meeting which will include our elections which is still open for nominations. After which we will have awards our door prize and the auction. We have tickets on sale for the aquarium.

We still need a lot of sponsors for our show in October so try to get some sponsors over the summer. Let's make this a success.

DON'T FORGET THE FOOD BANK.

SEE YOU IN JUNE

TOM

REDHEADED SEVERUMS

Text & photo by Tom Hillier

Scientific name *Heros sp.rotkeil* (*Heros appendiculatus*). These are a South American cichlid they grow to about 8 in and live about 10 years. Other tank mates should be about the same size. These are one of the most beautiful severums. They are a bright red colour over the shoulder back and cheek area. They carry some of the same markings as the green severum.

The tank should have many hiding areas as well as open areas. Pairs can become very territorial especially the males who can damage or even kill other fish. They are cave or substrate spawners.



I have a pair and as soon as I put them in a well planted they spawned. They are very good parents and remind me of the convict. The temperature is at 76.5 the pH is 7.2. I feed them live and frozen food as well as homemade food.

Blue Swordtails

Photos & Text by Tom Hillier

Scientific name; *Xiphophorus helleri*. Swordtails will eat whatever you feed them. They constantly snack on the algae growing on the tank walls. Swords also love live foods, frozen foods, and their own fry. They also like worm flake foods this will also increase their litter size. Feed several times a day.



The gestation period is about six weeks they prefer ph above normal and like a little salt. They are very good natured and are fantastic jumpers. Mature males sport a sword plus a gonopodium. They like the temperature in the 75 to 80 degree range and love a planted tank.

Membership Meeting Minutes May 2, 2011

Meeting Commenced at 7:45 pm.

President Tom Hillier:

-Welcomed visitors Lisa, John, Dan, Sheila and Catherine.

-Upcoming events

- May 20 – 23 CAOAC Annual Convention Hosted by Brant Aquarium Club
- September London Aquaria Show and Auction
- October 23 St. Catharines Show and Auction
- October 30 Kitchener Waterloo Aquarium Society Show and Auction

-June meeting BBQ starts at 6:30. Please bring a salad or desserts etc.

-Cares registration sheets can be picked up from Heather, Bob or Pam. They may also need to verify identification of the fish you are keeping. So they may request a photo.

-Sign up sheets for volunteers for show and auction will be at the front as well as sponsor sheets.

-The Show and Auction committee would like everyone to try and bring in a sponsor.

-Starting next season we will have two new awards at the end of the year, one is a CARES BAP. The other is a BAP for inverts which includes shrimp, snails, crayfish and others since the award we have now only covers fish. We will start out with a basic list and assign points for those creatures on it and add to the list as needed. These creatures will also now have a point value and you can apply for a breeder's certificate.

Secretary Pam Danyluck:

Read letter from Sue Buchan,

"Hi Pam,

I just wanted to thank you and Tom again for asking me to speak on African dwarf frogs at your club's monthly meeting yesterday. I enjoyed attending very much. Special thanks as well to Ken for his assistance with technical matters. It's sure a good thing that there are people like him who actually know what they are doing, because, as I've mentioned, I'm so hopelessly techno-challenged. I can barely operate the TV remote DVD, and VCR, let alone computers and projectors. Also, thanks for the club membership and the lovely t-shirt. I will wear it proudly, indeed. I'm am thrilled to be able to let you know that \$125 is being donated to the Angel Animal Rescue Foundation on Behalf of SCAAS to help animals in need. Please thank all of your members for their kindness and generosity. It is greatly appreciated. Please do not hesitate to give my contact information to anyone who wished further information or has any questions about African dwarf frogs, as I'd be glad to help. In addition to the e-mail address you already have for me, I can always be contacted at frogbreeder@live.com as well. All the best.

Thanks again,

Sue

P.S.-Have I ever mentioned just how much I adore African dwarf frogs? Oh, I'm pretty sure I must have done.... Just maybe..."

Treasurer Bob Hayslip gave us the clubs financial standing.

Float \$149.67

Bank \$1006.66

Grand total of \$1156.33

Tom Bridges Presented Breeders Awards to:

Ernest Biktimirov

Dave Furness

Pam Danyluck



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Joe Krawchuk Presented Horticultural Awards to:
Pam Danyluck

Tom Bridges opened to floor for nominations for next year executive. The current executive is willing to stand for next year with the exception of Bruce Hallet. Tom Hillier nominated Joe Krawchuk for Bruce's position. John Verhage seconded the nomination. No other nominations at this meeting.

Our program for May was on Bettas done by Catherine Salmon. Very interesting presentation and some very nice pictures of some of the bettas she has kept.

Door prize was won by Ernest Biktimirov.

Pat Shriner presented jar show awards to:
Tom Hillier

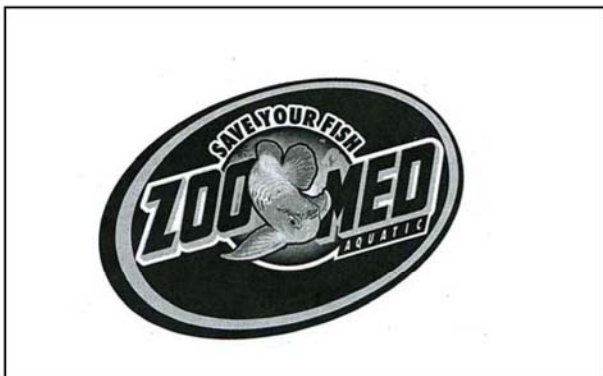
Nightly Raffle

Evening Auction

Meeting adjourned at 10 pm.

Minutes from Monday, May 16 exec. meeting.

In attendance: Tom Hillier, John Verhage, Dave Unruh, Tom and Pat Bridges
Half hour late starting due to waiting for two more members who were expected.
A reminder that the June meeting will be a bbq. Everyone was reminded to contribute a dish of food.
Rona will donate wood planks for the show.
Tom Hillier will be away the last two weeks in September and the first week in October.
The Hamilton club is planning a June 12 trip to the zoo.
The club treasurer was absent -- no report.
Hagen is paying for their advertising with some products & member discounts on their products at two local stores.
The P.A. system for the show and auction is being worked out.
The club is planning to buy a laser printer.
The meeting was adjourned around 8:30.



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Xiphophorus Nezhualcoyotl

(Northern Mountain swordtail)
Text & photos by Dave Furness

This good looking swordtail is named after a famous philosopher king, named Nezhualcoyotl (1403-1473). He was a philosopher for the Aztec ruler Montezuma, of the Texcocan people in Mexico.

Xiphophorus Nezhualcoyotl are found in fast flowing waters in the Rio Tamasi drainage basin, in the Mexican state of San Luis Potosi. This basin includes the Rio el Salto, Rio Tanchachin, Rio Los Gatos and adjoining creeks.



There are about twenty one species of xiphophorus, and the Nezhualcoyotl is one of the dwarf species amongst them. The males of this species grow to about 4-5 cm.

I picked up one male and two females at one of the auctions, and put them in a heavily planted ten gallon aquarium. The tank also included a box filter for filtration and to provide heavy water movement. The swords seem to be quite at home in their comfy 76 degree F. hideaway.



They were fed twice a day with flake food, and newly hatched brine shrimp, which was the main part of their diet.



During one of their feeding, I noticed fry that were about one eighth of an inch, hiding among the plants. After the find, I left the fry concealed in the thick plants, and continued to feed the adults and fry alike, twice a day with newly hatched brine shrimp.

There are now three fry of various sizes from three spawns living in this tank.

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Year of the Rainbowfish

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

Reprinted from the May 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 *Rhombatractus fasciatus*) and *C. crassispinosa* (first described as *Rhombatractus 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 I 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

Editors Notes

Thank you to all who submitted articles, minutes, photos etc for the Scat this past year.

It sure makes the job allot easier when there are sufficient items to put in the newsletter.

This month Tome Hillier submitted four short BAP articles with photos. It doesn't matter if there articles are short or long. What matters to me is having articles from our members to be in our newsletter. Dave Furness has an article on Xiphophorus Nezahualcoyotl, the Northern Mountain Swordtail.

Tom Bridges has sent me the last of the CAOAC Data Base Breeders Awards for SCAAS members and has included an "Analysis of Fish Breeding

"Analysis of Fish Breeding Achievements by SCAAS members". This may prove useful for members who are searching for breeding information. If you are looking for Livebearer info then you can see that Tom Bridges has spawned 29 species, so he might be the first person you could contact.

Remember to read Scanning the Exchanges by Pat & Tom to keep up with upcoming events & some good articles from other newsletters.

Look for the next issue of the SCAT to be in your mailbox in late August.

Dave



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SCANNING THE EXCHANGES

& etc.

with Pat and Tom
June, 2011



GOOD READING...



▶ ... in the The Youngstown Area Tropical Fish Society's 'Youngstown Aquarist'

May/June, 2011

- *Corydoras aneus (albino) by Dave Ayres
- *A Circle of Life by Dave by Dave Hammerlein
Michiana Aquarium Society
michianaaquariumsociety.org
- *Cichlasoma festae , The Red Terror
by Charlie Grimes
- *Breeding Synodontis lucipinnis
BAP article by Regina Spotti

▶ ... In the Hamilton and District Aquarium Society's bulletin –

March, 2011

- *Spawning the Ancistrus sp. pullcalpa
by Charles Drew
- *New Aquarium Trend? Fish that Glow
In the Dark by Matt Henning
- *Spawning the Chinese Algae Eater
by William Berg

Most clubs' newsletters are on their web sites. If they are not available to you, let me know and I'll print you a hard copy of the article you want to read.
Pat



BAP ACHIEVEMENT AWARDS presented at the May meeting



Dave Furness

Crytoheros spilurum – Blue Eyed
Cichlid.....10 pts.
Xiphophorus nezahualcoyotl –
Northern Mountain Swordtail...5

Ernest Biktimirov

Barbus titteya.....10
Congratulations! *Tom Bridges*



UPCOMING EVENTS TO OCTOBER 2011



June 26, 2011 CAOAC meetings and President's BBQ: Please call to check on possible change of venue for the two meetings in June – Bob Wright at
(416) 883-0571

11:00 a.m. CAOAC Executive meeting
in Waterdown, ON
12:00 p.m. CAOAC General meeting
in Waterdown, ON

September 18, 2011 CAOAC Meeting
11:00 a.m. CAOAC Executive meeting in
Waterdown, ON
12:00 a.m. CAOAC General meeting in
Waterdown, ON

September 25, 2011 London Aquaria
Society SHOW & AUCTION

October 2, 2011 Hamilton & District
Aquarium Society SHOW AND AUCTION

October 23, 2011 St. Catharines & Area
Aquarium Society SHOW AND AUCTION

October 30, 2011 Kitchener Waterloo
SHOW AND AUCTION

**JAR SHOW RULES
AND REGULATIONS**
will be on display at the jar
show table at each meeting

Database Entries for Tom & Pat Bridges

FISH	CLASS DATE	
<i>Badis badis</i>	all other	catfish mar98
<i>Bedotia geayi</i>	all other	cichlid
<i>Brachygobius numus</i>	all other jan01	cichlid sep01
<i>Carassius auratus auratus</i>	all other apr09	cichlid may99
<i>Glossolepis ramuensis</i>	all other feb98	cichlid apr.92
<i>Melanotaenia boesemani</i>	all other 87	cichlid
<i>Melanotaenia maccullochi</i>	all other feb.96	cichlid jun05
<i>Melanotaenia praecox</i>	all other sep98	cichlid nov10
<i>Melanotaenia splendida inornata</i>	all other feb.96	cichlid
<i>Melanotaenia trifasciata "Goyder R."</i>	all other jan98	cichlid apr.88
<i>Pseudomugil furcatus</i>	all other nov.93	cichlid apr.88
<i>Pseudomugil gertrudae</i>	all other apr.96	cichlid
<i>Tateurndina ocellicauda</i>	all other sep01	cichlid jun05
<i>Telmatherina ladigesi</i>	all other feb98	cichlid
<i>Betta splendens</i>	anabantid	cichlid apr03
<i>Colisa lalia</i>	anabantid apr.88	cichlid
<i>Colisa sota (chuna)</i>	anabantid apr.95	cichlid apr.89
<i>Macropodus opercularis</i>	anabantid apr.88	cichlid jan01
<i>Trichogaster leeri</i>	anabantid apr.88	cichlid
<i>Trichogaster trichopterus</i>	anabantid apr.88	cichlid
<i>Barbus arulius</i>	barbs etc. feb.96	cichlid jan01
<i>Barbus conchoni</i>	barbs etc.	cichlid
<i>Barbus cumingi</i>	barbs etc nov01	cichlid
<i>Barbus melanampyx</i>	barbs etc. feb99	cichlid apr.95
<i>Barbus nigrofasciatus</i>	barbs etc.	cichlid apr.88
<i>Barbus oligolepis</i>	barbs etc. apr.95	cichlid
<i>Barbus sachsi</i>	barbs etc.	cichlid
<i>Barbus tetrazona</i>	barbs etc. apr.88	cichlid
<i>Barbus titteya</i>	barbs etc.	cichlid apr.88
<i>Brachydanio frankei</i>	barbs etc. apr.88	cichlid apr.90
<i>Brachydanio rerio</i>	barbs etc. apr.88	cichlid
<i>Celestichthys margaritatus</i>	barbs etc. nov08	cichlid
<i>Danio malabaricus</i>	barbs etc. apr.89	cichlid
<i>Rasbora borapatensis</i>	barbs etc. nov03	killie
<i>Tanichthys albonubes</i>	barbs etc. apr.88	killie apr.95
<i>Ancistrus sp.</i>	catfish	killie apr.88
<i>Corydoras (Scleromystax) barbatus</i>	catfish sep09	killie apr.88
<i>Corydoras aeneus (albino)</i>	catfish	killie
<i>Corydoras metae</i>	catfish nov01	killie apr.88
<i>Corydoras paleatus</i>	catfish	killie apr.89
<i>Corydoras panda</i>	catfish apr03	killie apr.88
<i>Corydoras pygmaeus</i>	catfish nov10	killie
<i>Farlowella acus</i>	catfish mar00	killie apr.88
<i>Hoplosternum pectorale (dwarf)</i>	catfish apr.88	killie apr.89
<i>Hoplosternum thoracatum</i>	catfish apr.94	killie
<i>Ricola macrops</i>	catfish apr03	killie mar.96
<i>Rineloricaria sp. (Whiptail)</i>	catfish may98	killie apr.88
<i>Sturisomatichthys leightoni</i>		killie
<i>Aequidens (Cleithracara) maronii</i>		killie
<i>Apistogramma cacatuoides</i>		killie
<i>Apistogramma steindachneri</i>		killie
<i>Cichlasoma (Archocentrus) nigrofasciatum</i>		killie
<i>Cichlasoma (Thorichthys) meeki</i>		killie
<i>Cichlasoma nicaraguense</i>		killie
<i>Cyphotilapia frontosa</i>		killie
<i>Etoplus maculatus</i>		killie
<i>Geophagus brasiliensis</i>		killie
<i>Geophagus gymnogenys</i>		killie
<i>Geophagus jurupari</i>		killie
<i>Haplochromis borleyi</i>		killie
<i>Haplochromis electra</i>		killie
<i>Hemichromis bimaculatus</i>		killie
<i>Herotilapia multispinosa</i>		killie
<i>Julidochromis marlieri</i>		killie
<i>Julidochromis ornatus</i>		killie
<i>Julidochromis regani</i>		killie
<i>Julidochromis transcriptus</i>		killie
<i>Labeotropheus fuelleborni</i>		killie
<i>Labidochromis caeruleus</i>		killie
<i>Lamprologus meeli</i>		killie
<i>Melanochromis auratus</i>		killie
<i>Melanochromis chipokae</i>		killie
<i>Mikrogeophagus ramirezi</i>		killie
<i>Neolamprologus brichardi</i>		killie
<i>Neolamprologus leleupi</i>		killie
<i>Pelvicachromis pulcher</i>		killie
<i>Pseudotropheus camillio</i>		killie
<i>Pseudotropheus crabro</i>		killie
<i>Pseudotropheus edwardi</i>		killie
<i>Pseudotropheus tropheops</i>		killie
<i>Pseudotropheus zebra</i>		killie
<i>Pterophyllum scalare</i>		killie
<i>Sciaenochromis fryeri</i>		killie
<i>Symphysodon aequifasciata axelrodi</i>		killie
<i>Aphyosemion australe</i>		killie
<i>Aphyosemion bivittatum</i>		killie
<i>Aphyosemion geryi (Roloffia)</i>		killie
<i>Aphyosemion scheeli</i>		killie
<i>Aplocheilus lineatus</i>		killie
<i>Cynolebias whitei</i>		killie
<i>Epiplatys annulatus</i>		killie
<i>Epiplatys dageti</i>		killie
<i>Fundulopanchax amieti</i>		killie
<i>Fundulopanchax gardneri Akure</i>		killie
<i>Fundulopanchax sjoestedti</i>		killie
<i>Nothobranchius rachovii</i>		killie
<i>Oryzias melastigmus</i>		killie
<i>Pachypanchax playfairi</i>		killie

<i>Procatopus gracilis</i>	killie	nov97	<i>Poecilia picta</i>	livebearer	apr.88
<i>Alfaro cultratus</i>	livebearer	apr.92	<i>Poecilia reticulata</i>	livebearer	apr.88
<i>Alfaro huberi</i>	livebearer	sep98	<i>Poecilia sphenops</i>	livebearer	apr.88
<i>Ameca splendens</i>	livebearer	apr.88	<i>Skiffia lermiae</i>	livebearer	feb10
<i>Anableps anableps</i>	livebearer		<i>Xiphophorus helleri</i>	livebearer	apr.88
<i>Ataeniobius toweri</i>	livebearer	apr.88	<i>Xiphophorus maculatus</i>	livebearer	apr.88
<i>Brachyrhaphis holdridgei</i>	livebearer	mar02	<i>Xiphophorus montezumae</i>	livebearer	mar09
<i>Brachyrhaphis rhabdophora</i>	livebearer	apr.88	<i>Xiphophorus variatus</i>	livebearer	apr.88
<i>Brachyrhaphis roseni</i>	livebearer	nov10	<i>Gymnocorymbus ternetzi</i>	tetra	
<i>Chapalichthys pardalis</i>	livebearer	mar99	<i>Hasemanianana</i>	tetra	jun.96
<i>Dermogenys pusillus</i>	livebearer	apr.94	<i>Hemigrammus ocellifer</i>	tetra	mar97
<i>Gambusia affinis</i>	livebearer	apr.88	<i>Hyphessobrycon columbianus</i>	tetra	mar09
<i>Girardinus metallicus</i>	livebearer	apr.93	<i>Hyphessobrycon flammeus</i>	tetra	87
<i>Ilyodon xantusi</i>	livebearer	apr.88	<i>Hyphessobrycon herbertaxelrodi</i>	tetra	apr.93
<i>Jenynsia lineate</i>	livebearer	apr.92	<i>Hyphessobrycon pulchripinnis</i>	tetra	feb98
<i>Limia melanogaster</i>	livebearer	apr.88	<i>Hyphessobrycon serape</i>	tetra	87
<i>Limia perugiae</i>	livebearer	sep.96	<i>Inpaichthys kerri</i>	tetra	feb98
<i>Nomorhamphus ebrardti</i>	livebearer	may03	<i>Moenkhausia pittieri</i>	tetra	87
<i>Nomorhamphus liemi</i> (Celebes half-beak)	livebearer	87	<i>Nematobrycon palmeri</i>	tetra	
<i>Phalloceros caudomaculatus reticulatus</i>	livebearer	apr.89	<i>Pristella maxillaries</i>	tetra	87
<i>Poecilia (Acanthophaelus) wingei "Endler's"</i>	livebearer	mar02	<i>Thayeria boehlkei</i>	tetra	
<i>Poecilia latipinna</i>	livebearer	apr.88			

Analysis of Fish Breeding Achievements by SCAAS members

BREEDER	CLASS of FISH	# of species	Points
Ernest Biktimorov	Barbs	1	10
	Catfish	1	10
	Cichlids	1	5
Tom & Pat Bridges	Anabantids	6	50
	Barbs, Minnows & Rasboras	15	140
	Catfish	13	230
	Cichlids	34	380
	Killies	15	150
	Livebearers	29	230
	Tetras	13	185
All Others	14	145	
Jim Chalmers	Catfish	1	10
	Cichlids	3	35
	All Others	1	15
Michael Daniels	Catfish	1	20
	Cichlids	4	35
	Livebearers	1	10
	All Others	1	15
Pam Danyluck	Catfish	1	10
	Cichlids	1	5
	Livebearers	11	60
Dave Furness	Catfish	3	50
	Cichlids	29	285
	Killies	3	15
	Livebearers	17	95
	Tetras	2	30

Brian Glazier (SCAAS only)	Livebearers	3	20
Bruce Hallett	Cichlids	1	5
	Livebearers	3	15
Bob Hayslip	Cichlids	1	10
Tom Hillier	Catfish	2	25
	Cichlids	7	65
	Livebearers	5	30
Mike Nelson	Catfish	1	10
	Cichlids	4	40
	Livebearers	3	20
	Marine	1	20
Pat Shriner	Catfish	1	10
	Cichlids	12	100
Henry Soja	Anabantids	1	10
	Minnows	1	5
	Catfish	3	45
	Cichlids	2	20
	Livebearers	2	10

Dave Unruh	All Others	6	70
	Anabantids	7	85
	Barbs, Minnows	5	40
	Catfish	9	155
	Cichlids	110	1230
	Killies	1	5
	Livebearers	12	70
	Marine	1	20
	Tetras	3	45

Jack Vandermaas	Cichlids	1	15
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John Verhage	All Others	2	15
	Anabantids	4	40
	Barbs	1	10
	Catfish	2	25
	Cichlids	22	240
	Killies	2	20
	Livebearers	3	20

Respectfully submitted by Tom Bridges (Breeders Awards Program Chair) with the assistance of Dave Furness



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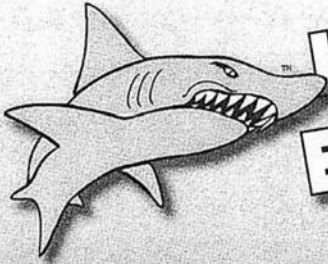
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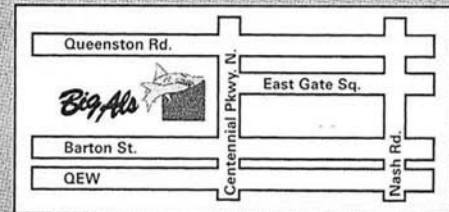
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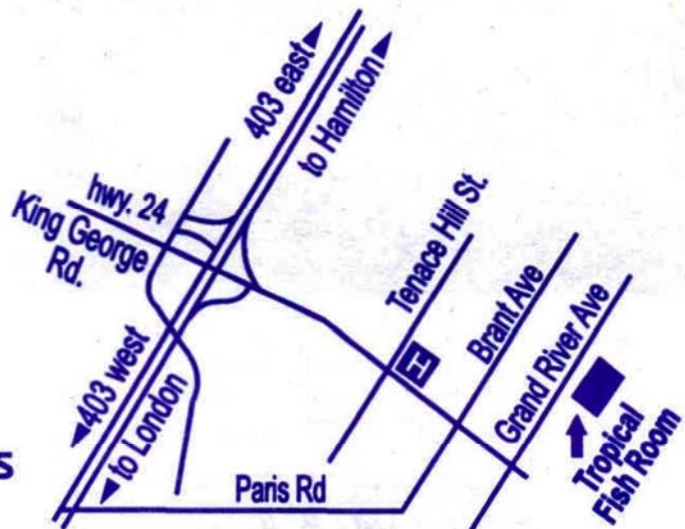
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