

Newsletter Of the Canadian Association of Aquarium Clubs

5/1/2019

Editor: Ann Stevens

Happy Victoria Day



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Board of Directors

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President	Nancy Egelton	Recording Secretary	Ann Stevens
nancyegelton@gmail.com	Club: TCGG	Ann.stevens11@gmail.com	Club: Hamilton
1 st Vice President	Peter DeSouza	Treasurer	Ed Bosker
pdesouza1@msn.com	Club: Hamilton	ebosker1@gmail.com	Club: Hamilton
2 nd Vice President	Ann-Marie Towell	Corresponding Secretary	Murray Brown
amtowell@shaw.ca	Club: TCGG/BBC	murray.brown.is@gmail.com	Club: TCGG
arntowon@onaw.oa	Oldb. 1 GGG/BBC	marray.srown.is@gmaii.som	Clab. 1 Caa
Past President	Ron Bishop		
ron.bishop2@sympatico.ca	Club: London		
Committees			
Advertising/Social Media	Cindy Golden		
cindygolden2005@gmail.com	Club: St. Catharines		
Aquatic Horticulturalist Directory	Ann Marie Towell	Judges	Brian Glazier/Haydn Pounder
amtowell@shaw.ca	Club: TCGG/BBC	bglazier@cogeco.ca	fisheads02@aol.com
Archivist		Membership	Ed Bosker
		ebosker1@gmail.com	Club: Hamilton
Awards	Peter Melady	Newsletter	Ann Stevens
hpmelady@hotmail.com	Club: Sarnia	Ann.stevens11@gmail.com	Club: Hamilton
Binder	Ann Stevens	Open Show	Barb Draper
Ann.stevens11@gmail.com	Club: Hamilton		
Education Directory		Speakers Directory	Peter DeSouza
		pdesouza1@msn.com	Club: Hamilton
Fish Breeders Directory	Lisa Boorman	Steering	Peter DeSouza
lisachromis@yahoo.com	Club: Chatham- Kent	pdesouza1@msn.com	Club: Hamilton
Fish Rescue	Ann Marie Towell	Ways & Means	Cindy Golden
	amtowell@shaw.ca	cindygolden2005@gmail.com	Club: St. Catharines
Futures	Udo Rohmann/Jeff Mountjoy	Webmaster	Taylor Rohmann/ Scott Vanderfleet
tesscon2000@rogers.com	imtjoy@rogers.com		

President's Message

It's that time of year again! April showers, ok.. snow will hopefully bring May flowers and lots of new fish for all! We have a busy Calendar over the next several weeks:

- May 4-5 Kitchener/Waterloo Pet Expo
- May 5 London Aquaria Society Spring Auction
- May 17-19 CAOAC ANNUAL CONVENTION

So many auctions -so many fish to buy!!!

Don't forget, at our Annual meeting we will announce the winner of the new fish rescue programme- \$100 pizza party to the winning club!

Have a wonderful spring and hope to see all of you at the Convention!

Cheers, Nancy

Executive Meeting - April 14, 2019

Called to order at 11:30 by Nancy Egelton at Waterdown Optimist Hall in Waterdown.

Executive Attendance

Position	Name	Absent/Present
President	Nancy Egelton (TCGG)	Present
1 st VP	Peter DeSouza (HDAS)	Absent
2 nd VP	Ann-Marie Towell (TCGG)	Absent
Corresponding Secretary	Murray Brown (TCGG)	Present
Recording Secretary	Ann Stevens (HDAS)	Present
Treasurer	Ed Bosker (HDAS)	Present
Past President	Ron Bishop (LAS)	Absent
Also In Attendance:	Phil Barrett	Cindy Golden

<u>Minutes</u> –Nancy moved to accept the minutes from the March meeting as distributed. Seconded by Ed. Carried

Old Business

Nancy mentioned that Andreas will need an ETA Visa from Canada to travel here.

Treasurer's Report

March			6,721.30
Chq #251-Peter DeSouza-Andrea's air	1,125.85		
Bank Fees			
Deposit:			
Ticket Sale- Ann Stevens		85.00	
Ending Bank Balance-April 12	1,125.85	85.00	5,680.45
To Be Deposited			
Sponsorship - London		500.00	
Sponsorship - Sarnia		300.00	
Ticket Sales			
Full Convention (7)		595.00	
Banquet Only (1)		60.00	
Speaker Only (1)		50.00	
Pending Bank Balance-April 12	0.00	1,505.00	7,185.45
Reserved Funds - Terry Little			(362.82)
Forest City Pond Club Donation			(648.00)
Working Balance			6,174.63
PayPal			

Peel membership	57.96	
Full Convention Tickets (37)	3,045.60	
Banquet Only Tickets (3)	174.18	
Speaker Only Tickets (5)	241.55	
Total	3,519.29	

No bank fees this month due to balance being over \$5000.

Motion to accept the report by Nancy, seconded by Murray. Carried

Correspondence

- PetExpo requested list of names
- Request for any historical data on Acadian Aquarium Society

New Business

Motion to adjourn at 12:00

Steering Committee Report- April 10, 2019 (conducted by Ann Stevens)

Executive Positions:

<u>President</u>: Standing - if no further nominations are received at the April 14, 2019 General Meeting then the current incumbent, Nancy Egelton, will be acclaimed

<u>1st Vice President</u>: Standing-if no further nominations are received at the April 14, 2019 General Meeting then the current incumbent, Peter DeSouza, will be acclaimed

<u>2nd Vice President</u>: Standing-if no further nominations are received at the April 14, 2019 General Meeting then the current incumbent, Ann Marie Towell, will be acclaimed

<u>Treasurer</u>: Current Treasurer, Ed Bosker, is stepping down and there is presently one nomination. Albert Van Montfort has accepted the nomination to this position. if no further nominations are received at the April 14, 2019 General Meeting then Albert will be acclaimed

Recording Secretary(RS): Current RS is stepping down and there is one nomination Murray Brown. If no further nominations are received at the April 14, 2019 General Meeting then Murray will be acclaimed

<u>Corresponding Secretary(CS)</u>: Current CS is running for another position and there are presently no Nominations for this position.

Nancy Egelton nominated Cindy Golden, seconded by Ed Bosker. Accepted.

Nominations are now closed and the following executives are acclaimed for the 2019-2020 term.

Position	Name
President	Nancy Egelton (TCGG)
1 st VP	Peter DeSouza (HDAS)
2 nd VP	Ann-Marie Towell (TCGG)
Corresponding Secretary	Cindy Golden (SCAAT)
Recording Secretary	Murray Brown (TCGG)

May 2019

Treasurer	Albert Van Montfort (HDAS)
Past President	Ron Bishop (LAS)

General Meeting

Called to order at 12:35 by President Nancy and welcomed everyone. Due to a quorum not being met, a casual conversation ensued about the upcoming convention and club reports read.

Position	Name	Absent/Present
President	Nancy Egelton (TCGG)	Present
1 st VP	Peter DeSouza (HDAS)	Absent
2 nd VP	Ann-Marie Towell (TCGG)	Absent
Corresponding Secretary	Murray Brown (TCGG)	Present
Recording Secretary	Ann Stevens (HDAS)	Present
Treasurer	Ed Bosker (HDAS)	Present
Past President	Ron Bishop (LAS)	Absent
Club	Name	
Barrie	Jeff Mountjoy (Skype)	
Betta	Catherine Salmon	
St. Catharines	Phil Barrett	
Trans Canada Guppy	Carolina Bergles	
Guests:		

Minutes -

<u>Treasurers report</u> – see Executive report for details

Cheque received from Hamilton for \$500 for convention.

Cheque received from TCGG for \$170 (\$100 for vendor table, \$70 to sponsor 2 show classes)

\$60 cash received from Phil Barrett for Cindy's banquet ticket.

\$35 from Phil for class sponsorship

\$35 from Ann for class sponsorship

Business Arising from Executive – see Executive minutes.

Committee Chairs

Title	Chair	Co-Chair
Binder	Ann Stevens	
Social Media/Advertising	Cindy Golden	
Membership	Ed Bosker	
Newsletter	Ann Stevens	
Ways & Means	Cindy Golden	
Webmaster	Ann Stevens	
Convention	Nancy Egelton	

May 2019

If you would like to be a part of a committee please contact either the chair or an executive member.

<u>Fish Breeders Directory</u> – We have had a few submissions in the last month. The following 2 clubs have reported breedings:

SCAAS CKAS

There was one new First In Award this month. SCAAS Michael Daniels - Liosomadoras oncinus Apr 2019

<u>Fish Rescue</u> –Ann Marie managed to rescue some cichlids near Regina, Saskatchewan. Ann Stevens received an email about some Koi and forwarded to Marcus of GTA club. He contacted the lady.

<u>Memberships</u> – no changes

Newsletter - Remember to send me your flyers for your events

<u>Social Media</u> - There are now over 224 followers on the Instagram to the CAOAC account. I will continue to post any club events, or if anyone has anything that they would like posted on the Instagram account email them to me please.

<u>Steering</u> – Voting and nominations were conducted by Ann Stevens on behalf of Peter DeSouza who was in Edmonton. All positions are filled and no elections will take place at the convention. Just voting for the amendment will take place.

<u>Ways & Means</u> – Ways and Means report is as follows. Opening balance was \$163.05. 50/50 brought in \$44.00, with Nancy winning \$22.00. Raffle brought in \$30.00.Ed Bosker won a bag of fish, Carolina won the guppy standard feeder, Nancy as well as Brian won a bag of fish and Peter won a bag of small fish bags. Donations brought in \$5.00. Thank you, Ed Bosker, for the soup that everyone enjoyed.

\$12.00 was spent on treats and cream, bringing our balance now to \$208.60 for the hospitality suite at the convention. Woohoo! Have a good night!

Cindy brought in a pot of chili.

Website – All events have been updated as received.

Club Reports

<u>Barrie</u> – The Barrie Region club held its 4th annual auction on March 31st. The auction had approximately 150 people attending and over 600 items sold. This year, every bidder had the chance to win numerous aquarium related door prizes and gift cards drawn throughout the day as well as a 25 gallon aquarium setup donated by Miracles Aquariums. A few club member vendor tables were present this year and this feature is something the club will consider again for future auctions. Despite some unfortunate canteen service issues that were out of our control, everyone seemed to enjoy the day. BRASS would like to thank all the sellers, bidders, volunteers, Albert Montfort, auctioneers Bob Wright & Udo Rohmann and its various sponsors in making our 4th annual auction a success.

At our April general meeting some members brought some of the tools, unique and repurposed items, as well as sharing tips and tricks they use in working with their aquariums at home. A recap of the auction was discussed and a new member at her first meeting, Angie was a thrilled winner of our 50/50 draw.

<u>Betta Breeders</u> - "The Group had its second in person meeting of the year on March 24th at Peter's place. It was well attended with a dozen members. Thanks Peter for hosting the meeting. Plans are in the workings for the IBC convention show at the CAOAC convention on May long weekend. Sponsorships are available for the major awards. The class list will be available shortly and the rules will be posted on our web site and Face book page."

<u>Calgary</u> – Calgary is at 71 members. Our last meeting had Bart Haze speaking on his collecting trip in South America. We will have a vet speaking on the new legislation regarding fish medications in May. Our auction is April 28th and our home tour is June 2.

<u>Chatham-Kent</u> – Been a quiet month as our meeting landed on the same day as the Sarnia Auction. Did not realize until too late that the dates conflicted. Ken spoke at NEC and highly enjoyed himself. Still looking for speakers willing to travel to Chatham on a weekend. If you would like to speak to us, please contact us on our facebook group. Several of our members have already got their tickets to the CAOAC convention and are looking forward to it.

<u>Durham</u> – We would like to thank all who attended Aquariama.

<u>Kitchener-Waterloo</u> – Our April meeting was attended by about 60 people, the most in recent memory. A few joined as new members. There were 2 BAP certificates awarded. Name That Plant turned out to be Bucephelandra. We had a raffle and an auction. Mini Show was Catfish, AOV, and a new class CARES. 3 people entered 9 fish. We also discussed the upcoming DRAS Aquariama and CAOAC Convention. Zenin Skomorowski did a presentation on Loaches.

Find Kitchener-Waterloo Aquarium Society meeting photos on Facebook.

Our website is www.kwas.ca

<u>St. Catharines</u> – Our April meeting featured a presentation from Haydn Pounder on catching natural food. There were 53 in attendance. Our next meeting is Monday May 6th and Mike Major will be speaking about his work at Big Al's. As always there will be a mini auction, jar show and raffle. Everyone is welcome.

<u>Société d'Aquariophilie de Montréal</u>-. Our speaker will be David Viau, an extremely talented aquascaper. In addition, we will have the draw for the tank!

Notre conférencier sera David Viau, un aquascaper extrêmement doué. De plus, nous ferons tirer le bac qu'il va aménager devant vous !

<u>Windsor</u> - This month the Windsor Aquarium society had 35 members come out to hear Jessica Bullock's talk on dwarf cichlids. What an awesome talk she has put together. April ends our year for BAP, HAP and Bowl show. Our bowl show for April was Discus, Angelfish, Rainbowfish and Nano tank beautiful. We had quite a few entries this month. The bowl show seems to be growing every month for us which is great. We also had our small auction and raffle and then a bit of social time to end the meeting.

Thank you Phil, Zenin, and Cindy for sending their reports prior to the meeting. Thank you to those who sent their reports after also. It is appreciated.

Old Business

Convention 2019

May 2019

	QTY	Price	Total
Full Convention-Cash/Cheque	9	85.00	765.00
Full Convention-Cash/Cheque		100.00	-
Full Convention-PayPal	37	85.00	3,145.00
Full Convention-PayPal			-
D-#I		100.00	
Raffle			-
Complementary	4		
less PayPal fees			(99.40)
Total sales			3,810.60
Banquet Only-Cash	3	60.00	180.00
Banquet Only-PayPal	3	60.00	180.00
Less PayPal fees			(5.82)
			354.18
Speaker Only - Cash	1	50.00	50.00
Speaker Only-PayPal	5	50.00	250.00
Less PayPal			(8.45)
			291.55
		_	
Individual			-
		20.00	
Total Ticket Sales			4,456.33

38 show classes for the CAOAC show need sponsors at \$35 each. Float to be $$1140 - is 1^{st} - $15, 2^{nd} - $10, 3^{rd} - 5 Best in Shows are gifts.

Badges – Ann to purchase what is needed and create.

Peter DeSouza is looking after the bags and stuffings to have ready before the convention.

New Business

Annual Reports are due May 4, this allows time to compile and print for convention.

2nd Reading of motion to be voted at Annual Meeting:

Peter DeSouza made a motion to reduce the number required for a quorum for the executive to 3. Seconded by Peter Melady. This will now be sent out with the steering email to be put for a vote at the convention.

Adjourned at 2:37 by Ed.

Upcoming Events

	May 2019		September 2019	
4-5	KW Pet Expo, Kitchener Auditorium,		21	Sarnia Aquarium Society Auction
5	London Aquaria Society Spring Auction,		29	London Aquaria Show & Auction
17-19	CAOAC Convention			
	June 2019		October 2019	
15	Peel Region Aquarium Club Dinner speaker with Josh Cunningham		13	Saskatoon Aquarium Society Show & Auction,
			20	Kitchener-Waterloo Oktoberfish Annual Show & Auction,
			27	Peel Region Aquarium Club Auction

Check the website calendar for links for more details.

PLEASE REMEMBER TO SEND ME YOUR CLUB EVENTS TO BE INCLUDED ON THE CALENDAR



Nominations & Voting at Annual General Meeting

The nominations were close with all positions being filled at the break, prior to star of the General Meeting.

Executive positions are:

President: Nancy Egelton Acclaimed

1st Vice President: Peter DeSouza Acclaimed

2nd Vice President: Ann Marie Towell Acclaimed

Recording Secretary: Murray Brown Acclaimed

Treasurer: Albert Van Montfort Acclaimed

Corresponding Secretary: Cindy Golden Acclaimed

There is also a motion for a change in the By-Laws that is being tabled for voting at the General Meeting.

Peter DeSouza made the following motion:

To reduce the number required for a quorum for the executive to 3 from the current "A majority of the Executive shall be required to form a quorum for the transaction of business at any Executive Meeting".

Seconded by Peter Melady.

What makes a jellyfish?

Date: April 15, 2019

Source: Okinawa Institute of Science and Technology (OIST) Graduate University

Summary: Genomic study reveals how jellyfish develop into floating beauties, rather than staying stationary like corals or sea anemones.



Jellyfish start out in a stationary polyp stage and later develop into jellyfish, when environmental conditions are right. The Morbakka virulenta, pictured here, is beginning to develop into a full-fledged jelly.

Credit: OIST

Translucent jellyfish, colorful corals and waving sea anemones have very different bodies but all fall on the same big branch in the animal family tree. Jellyfish actually start out anchored to the sea floor, just like corals and anemones. Researchers at the Okinawa Institute of Science and Technology Graduate University (OIST) recently uncovered which genes allow jellyfish to graduate from this stationary stage and swim off into the sea.

Early in their life cycles, jellyfish develop from larvae into polyps -- immobile, stalk-like structures rooted into the sediment. Anemones and coral live out their lives in this state, which earned them the name anthozoa or "flower animals" in Greek. Jellyfish set themselves apart from anthozoans by being able to develop from the polyp stage to the medusa stage, blossoming into the luminous, bell-like creatures we know and love.

The new study, published in April 16, 2019 in Nature Ecology & Evolution, reports the genomes of two jellyfish species and investigated why some creatures can enter the medusa stage while others remain frozen as polyps. The genomes can be browsed online and compared to other species on the OIST BLAST server.

Newly Decoded Jellyfish Genomes

OIST researchers and colleagues from Japan and Germany compared the genomes of a moon jellyfish (Aurelia aurita) and a giant box jellyfish (Morbakka virulenta). In Japanese, these species are known as the "water jellyfish" and "fire jellyfish," respectively. The fire jellyfish is highly venomous and owes its name to its painful, burning sting.

"By comparing two different types of jellyfish we expected to identify some universal rules on how to make a medusa stage," said Dr. Konstantin Khalturin, first author of the study and a scientist in the OIST Marine Genomics Unit led by Prof. Noriyuki Satoh. As a jellyfish exits its polyp stage and leaves the sandy sea floor, different genes switch on to drive its development. To identify these special genes, the researchers first had to catalogue all the genes present in their sample jellyfish species.

"We then looked at how these genes behaved in the polyp and jellyfish stages of their lifecycles," Khalturin said.

The researchers sequenced the complete genome of a moon jellyfish from the Baltic Sea and giant box jellyfish from Japan. Genomes contain all the instructions to build and maintain an organism, encoded in individual building blocks known as genes. Along with a creature's genetic composition, the order in which these building blocks are lain helps determine how a creature develops. The researchers compared their freshly decoded jellyfish genomes to those from corals and anemones, pinpointing which genes appeared in each animal and in what sequence.

"We expected that the genome organization in the two jellyfish would be more similar to each other than to the genomes of sea anemones or corals," said Khalturin. Surprisingly, the gene order in the moon jelly genome resembled anthozoans much more closely than fire jellyfish. In contrast, the genetic composition of the two jellyfish hardly overlapped; their genomes differ as drastically as humans do from sea urchins.

What Makes the Difference

The results suggest that the giant box jellyfish genome must have been vigorously reshuffled at some point in its evolution. The dearth of similarities between moon and giant box jellies convinced the researchers that there is no universal region within jellyfish genomes responsible for orchestrating the medusa stage formation.

One question remained: why can't corals and anemones enter the jellyfish stage?

To solve this mystery, the researchers assessed which genes were active in the polyp and medusa stages of both jellyfish. They compared these distinct patterns of gene expression to those observed in 11 different

cnidarian species -- the taxonomic group that encompasses medusozoans and anthozoans. Remarkably, they found that coral and anemones contain about two-thirds of the genes active in the moon jellyfish's medusa stage.

But moon jellyfish have a special genetic toolkit: an elite arsenal of genes that activate during their medusa stage but are absent in anthozoans. Devoid of a jellyfish stage, corals and anemones lack the genes to grow certain organs and tissues, such as eyes and specialized swimming muscles. The researchers found that water and fire jellyfish share about 100 of these species-specific genes that only switch on in their jellyfish stages. A large proportion of these genes code for transcription factors, proteins that fine tune which genes are expressed, when and in what quantities.

Looking forward, the researchers plan to sequence the genome of a local box jellyfish called the Okinawan sea wasp (Chironex yamaguchii, "habu-kurage"), which will provide a closer comparison to the fire jellyfish. Future studies could advance our understanding of how jellyfish evolve and what sets them apart from their blobby

brethren and other creatures of the deep.

Story Source:

<u>Materials</u> provided by **Okinawa Institute of Science and Technology (OIST) Graduate University**. *Note: Content may be edited for style and length.*

Journal Reference:

Konstantin Khalturin, Chuya Shinzato, Maria Khalturina, Mayuko Hamada, Manabu Fujie, Ryo Koyanagi, Miyuki Kanda, Hiroki Goto, Friederike Anton-Erxleben, Masaya Toyokawa, Sho Toshino, Noriyuki Satoh. **Medusozoan genomes inform the evolution of the jellyfish body plan**. *Nature Ecology & Evolution*, 2019; DOI: 10.1038/s41559-019-0853-y

Okinawa Institute of Science and Technology (OIST) Graduate University. "What makes a jellyfish?." ScienceDaily, ScienceDaily, 15 April 2019. www.sciencedaily.com/releases/2019/04/190415172145.htm.

What do you want to read?

The intent of this newsletter is to share some of the details of the meeting and upcoming events. From time to time, I try to include recent news. If there is something you would like to see, or if you have an article you would like included, please send it to me, ann.stevens11@gmail.com.

Regular Monthly Meetings

Who can attend? Any member of an Aquarium Club can attend the General Meeting that follows the Executive Meeting. It usually starts around 12:00 noon.

We have raffles, 50/50 draws, and snacks to share.

Why should you attend? To be part of the discussion that takes place between other clubs and items that are raised by the Executive. It's a great way to share ideas and discuss issues you may be having.

Skype Details

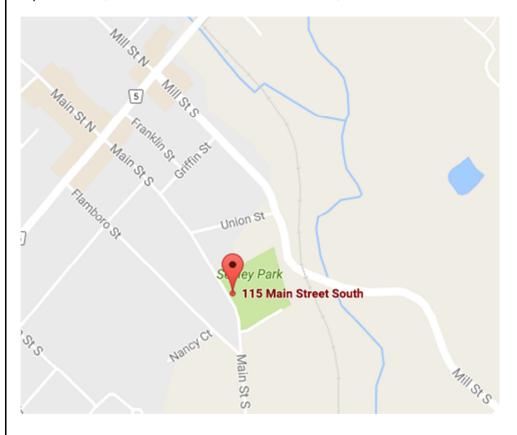
Can't attend the meeting? You can Skype in and participate that way. Here are the details:

Search for either Nov18angel or ann.stevens11@gmail.com

Request to be added to your contacts and I will accept.

Where do we meet?

Optimist Hall, 115 Main Street South Waterdown, Ontario



What is CAOAC?

We are often asked this question. CAOAC stands for The Canadian Association of Aquarium Clubs. We are a non-profit corporation and are composed of member aquarium, reptile & amphibian, pond & water garden, and similar clubs or societies from across Canada and the Northeast United States. CAOAC was founded in 1959 (incorporated in 1963) to allow the clubs to work together for their common good and the good of the hobby. Legislative issues, promotion of events, a judging system, national awards, assistance for new clubs, & liability Insurance are just a few of the things on which clubs can work and benefit together. Recently, a Fish Rescue Program has begun. This has been developed with outside partners who also have an interest in our hobby and environmental issues.

What are the benefits of being a member?

- National awards program to honour those in member clubs who have achieved success in breeding, plant propagation, or other endeavours related to the hobby.
- National judging program to train and certify judges as well as set standards that all can use to judge their shows.
- > Third-party liability insurance program to protect club members in case of an unfortunate accident at one of their functions.
- National forum to express views and opinions.
- National voice to deal with legislation which may impact negatively on our hobby and to put forward constructive ideas to politicians and bureaucrats.
- ➤ A chance to become involved with people who share similar interests with yourselves.
- If you are interested in joining CAOAC as a club or as a private (non-voting) member, please contact our Membership Chair, see under committees for email address.
- ➤ In person meetings are held monthly (except July & August) in Waterdown, Ontario (unless otherwise posted) at the Optimist Hall where clubs which are within driving distance send their representative (s) to discuss issues of the day as well as the future.