Newsletter
Of the
Canadian Association of Aquarium Clubs

11/1/2018

Editor: Ann Stevens

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Board of Directors

Executive				
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1st Vice President	Peter DeSouza		Treasurer	Ed Bosker
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2nd Vice President	Ann-Marie Towell		Corresponding Secretary	Murray Brown
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Committees				
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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
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Binder	Ann Stevens		**Open Show**	Barb Draper
Ann.stevens@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	jmtjoy@rogers.com			

President's Message

October has been an exciting month for CAOAC! We have been trying a few new things and so far, so good.

Our first attempt at bringing CAOAC to the clubs went well. It was an informal meeting with no Quorum but quite a few club members dropped by the chat and listen to our ideas. They also gave some really valuable feedback that I will definitely be bringing to the executive.

St. Catharine's Aquarium club at their Auction on November 4 will graciously host our next meeting at 10am.

Don't forget the clocks go back Nov 4 at 1 am so don't be late for the auction!

At the end of November (24) we will be trying something new, we have entered into a deal with The Pet expo at the International Centre in Mississauga.

We are asking that as many clubs in the area as possible send members to work at our booth. We will be arranging for free entry for our club workers and the clubs will be contacted to bring some fish to show. We have approx. 20 tanks to show off our fish-more details to follow at your local club meeting.

We will be selling some fish on the Saturday of the expo with all proceeds to go directly to CAOAC.

I will be sending info to the clubs in our area to make sure we are all ready for this huge opportunity.

See you at the St Catharine's Auction!

December 9 meeting will be at: Weston Lions Arena 2125 Lawrence Ave W, York, ON M9N 1H7.

See you soon! Nancy

Informal CAOAC meeting minutes October 25, 2018

Location, KWAS Octoberfish Show

Attendees,

Nancy Egelton,

Peter DeSousa

Scott Vanderfleet

Phil- St Catherines

Cindy St. Catherines

Peter Melady

Barry-Durham

Myron-Durham

Anne Marie Towell TCGG-via facetime

This was a non-Quorum meeting so it was conducted as an informal drop in talk to several club members. We had several people stop by and just listen or chat a bit. It was a great experience.

We started off the meeting by talking about using my IPHone to tether the ipad . we used my data to converse with Ann Marie by video, it worked perfectly and used virtually no data. It was an experiment as an alternative to the fire stick, which was not available.

We talked about the Heath Canada ruling and how to word the media release. We compiled all the ideas and the facts and the statement will be supplied to all clubs for print in their newsletters

We will look into how we can contact a fish Vet to obtain antibiotics over the next few months, as the Veterinary community itself is just now compiling this information.

We will make the press release available to be in all the clubs newsletters and on the website for CAOAC the original document from Health Canada will be published

Club Insurance was talked about and the due date.

We have a chance to obtain a grant for some sort of community service .The idea of local club fish rescue has been talked about.

We need to maybe have a contest to pick a catchy name for our new local club fish rescue. This is something that each club can easily do .More info at the next meeting.

The Pet Expo was enthusiastically talked about- we will be given the chance to sell bags of fish on the Saturday with proceeds going to CAOAC, It's a great way for us to make money and help out more clubs

Meeting ended.

Thank you Zenin for the pictures.

Club Reports

Durham - With sadness we report that one of our members Paul Macintosh passed at the end of September. Our November meeting is our annual fall auction.

Kitchener-Waterloo – Our October meeting was attended by about 40 members. Our guest presenter was KWAS member Jean-Luc Stiles on native fish. The Mini Show classes were Large South American Cichlids and AOV. There were 5 people showing 12 entries. There was a raffle and mini-auction. Stuart Morley received 3 BAP awards.

Oktoberfish, our annual Show and Auction, was held on Sunday October 14. It was well attended by people from across Southern Ontario as well as Montreal. There were 197 entries in the show. CAOAC had their monthly meeting at Oktoberfish. Look for photos on Facebook.

Find Kitchener-Waterloo Aquarium Society meeting and mini show photos also on Facebook.

St. Catharines - During our September meeting we 47 out and our program was on keeping jellyfish. We had a mini auction and raffle. Sunday November 4th is our annual fall auction doors open, registration at 8am auction begins at 10am. Our next meeting is Monday November 5th at 7pm. Bob Wright is speaking on native fish. Every one is welcome.

Windsor - The Windsor aquarium society has 17 members at its October meeting. It was a social meeting that let us catch up with each other's winter projects. We also discussed plans for a swap meet which we're very excited about. We also had our bowl show, mini auction and raffle.

Committee Reports

Awards - Authors Award submissions are due December meeting.. Newsletter submissions are to be sent to Peter Melady hpmelady@hotmail.com and are due by the January 2019 CAOAC Meeting. All other submissions are due by the February CAOAC Meeting and are to be sent to Peter Melady.

Ways & Means - At the beginning of the September meeting opening balance was $35 minus $12.05 treats for meeting. new balance now $ 22.95. 50/50 draw $45.00. Nancy Egelton winner of $22.50 which was generously donated back to the ways and means fund. There was no raffle and donations to the coffee fund where $5.05..leaving a balance of $73.00.Hope everyone had a lovely Thanksgiving weekend with their family and friends!

Our website is www.kwas.ca

Upcoming Events

November 2018			January 2019	
4	CAOAC Meeting – held at the SCAAT auction – separate room			
4	St. Catharines Aquarium Society Auction			
11	Société d'aquariophilie de Montréal" by-annual Super Auction			
24	Pet Expo – International Centre Mississauga			
December 2018			**February 2019**	
9	CAOAC Meeting – change of venue – Weston Lions Arena, Toronto			

Check the website calendar for links for more details.

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

In Memorium – Paul McIntosh

Paul Desmond McIntosh
September 24, 1933 – September 29, 2018
Retired Educator, D.D.S.B. & Church Organist for St. Paul's United Church, Cold Springs for over 50 years, passed peacefully at Lakeridge Health Oshawa, at the age of 85. Beloved husband of Marilyn McIntosh (nee Black). Loving father of Jason McIntosh (Kimberly) and Sheryl White (Jeffrey). Cherished grandfather of his granddaughter, Harper White. Paul was pre-deceased by his brother, Graydon McIntosh (Lillian). Lovingly remembered by many relatives and friends. A private family interment was held in St. Paul's Cemetery, Cold Springs. A celebration of life will be held at St. Paul's United Church, Cold Springs on Saturday November 3rd at 1 p.m., followed by a reception at Cold Springs Memorial Hall. In lieu of flowers, donations may be made to St. Paul's United Church, Cold Springs or the Multiple Sclerosis Society. Condolences received at www.MacCoubrey.com
Celebration of Life
Saturday, November 3 at 1 p.m.
St. Paul's United Church, Coldsprings
Reception
Cold Springs Memorial Hall

For CAOAC, Paul has been a part of the CAOAC and Durham Region Aquarium Society family for a long time. He has been the Archives/Historian Chair, Awards Chair, CAOAC President from 2002-2007

MEDIA RELEASE - Thursday, October 25th, 2018

CAOAC addresses Aquatic Animal Antibiotic Use

The Canadian Association of Aquarium Clubs (CAOAC) has been informed by Health Canada that a new piece of legislation will take effect on **December 1st, 2018** that could have an impact on the fishkeeping hobby.

The ruling titled "Responsible Use of Medically Important Antimicrobials in Animals" will require individuals to obtain a prescription for purchasing medically important antibiotics for all animals, including aquatic animals. This purpose of this ruling is to prevent the emergence and spread of antimicrobial-resistant infections caused by over usage of antimicrobials in veterinary medicine and in the agriculture industry.

"The Canadian Association of Aquarium Clubs formally supports Health Canada's ruling on this matter, as our mission is to teach members that good animal husbandry will help to prevent illness in our fish," said President of the Canadian Association of Aquarium Clubs, Nancy Egelton.

Before this ruling, there were no guidelines or rulings for fish medications. In addition, there were no guidelines on dosages, and medications used on humans were being purchased and used on aquatic animals. 80% of animal antibiotics used in Canada are non-prescribed and are causing animals to become immune to illnesses through the over usage of these antibiotics from their owners.

"To comply with this ruling, we (CAOAC) must learn to modify our way of thinking and our use of medications for fish.

We will be researching further to find veterinarians that will help us to correctly medicate our fish.

For further inquiries, please contact:

Nancy Egelton, President of CAOAC

CONTACT INFO: nancyegelton@gmail.com

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How to deal with Fish diseases in your fishroom: The truth , the whole truth and nothing but the truth!

From notes taken by Nancy Egelton during a tour of the aquaculture lab at the University of Florida

Seminar at the 2015 World Guppy Show Tamnpa Florida :

Dr. Roy Yanong. : University Of Florida Tropical Aquaculture

Lab, where he currently provides Extension,Research and Educational programs in Fish Health Management among many other duties involving Tropical fish care.

Things to know before you go out and buy a bunch of medications…Shotgunning (just going nuts and dumping lots of meds in without knowing what you are doing can cause you to go broke and also your fish can build up immunities to the drugs. Is it really a disease or just poor water conditions?

- Ick and velvet have very similar life cycles. The survivors are the carries of A
- Treat is Copper, Formalin drug wise(both can be difficult for the home aquarist to find.
- OR – YOU CAN USE SUPERSALINITY…(non iodized salt)

Supersalinity is a fancy name for putting regular non iodized salt in the tank. The amount –start at 1 tablespoon per gallon of tank water. Remember this is a treatment, not a regular additive. See how the fish tolerate it. If it is too much, do a large 50% water change.

Keep the fish in a salted tank for a week. No cories or snails. I would recommend a bare ten gallon quarantine tank.

- Tetrahymena: malachite green, salt or copper. Very difficult to treat.
- Gyrodactylus: Prazipro and salt.
- Digenean trematodes: comes from new fish introduced into tank without quarantine: Removal of infected fish. –Salt
- Camallanus worms: Fenbendazole or Levamisole: You can buy flake food containing these drugs at Angelfins, Kens fish etc.
- Aeromanus and Vibrio: can come from brine shrimp . bacterial infection. Clean brine shrimp hatchery with bleach and hot water between every batch.
- Columnaris: poor water conditions, dirty tank-treatment …obvious. You can use oxytetracycline.
- Fish TB… Mycobacteriosis:Poor water conditions. Environmental bacteria very hard to treat. Destroy the fish and bleach the tank

Ulcers, dropsy ,popeye. No treatment , destroy the fish bleach the tank. It can transfer to people, it is not human TB it is a bacterial infection. May have to be treated by a doctor with an antibiotic. Use gloves if you have a cut or a scrape on your hands.

The fastest and most humane way to destroy a fish, according to the fish vet is to net the fish, put in a plastic bag and lay in the coldest part of the freezer (bottom shelf) the fish will lose consciousness and die.

Basically, most of the fish meds out there are not very effective. Certain ones such as Prazipro, Fenbendazole are worth the money. And of course plain old non Iodized salt!

Regular water changes and keeping your equipment clean are the secrets to good fishkeeping. You can use bleach or peroxide just not together! Remember to rise extremely well before using. Do not dip nets from tank to tank. Sanitize first. And of course, always remember to do a good soap and water cleanse up to you elbows after working in you fishroom.

Aquaticon Calgary

Responsible use of Medically Important Antimicrobials in Animals

As of December 1, 2018, all Medically Important Antimicrobials (MIAs) for veterinary use will be sold by prescription only. The responsible use of MIAs is intended to preserve their effectiveness and minimize the development and spread of antimicrobial resistance.

On this page

- Actions to promote responsible use of Medically Important Antimicrobials
- What is changing
- Information for stakeholders
- Prescription status: affected drugs and dosage forms
- Timelines for the changes
- Who we are working with
- Important terminology
- Who to contact

Actions to promote responsible use of Medically Important Antimicrobials

We are working with stakeholders on a number of important actions to promote responsible use, such as:

- adding MIAs now sold over the counter to our Prescription Drug List (PDL), to make sure they are sold by prescription only
  - veterinary oversight is an important part of antimicrobial stewardship. Veterinarians have the training to assess and diagnose animal disease. They can decide if antimicrobial drugs are needed and prescribe the right treatment.
- removing growth promotion claims from MIA drug labels
  - the use of MIAs in food-producing animals should only be to treat or prevent diseases
- labelling all in-feed and in-water MIAs with responsible use statements

These actions are aimed at:

- aligning with international best practices
- promoting responsible use of MIAs in animals
- protecting human and animal health and food safety

We all have a role to play.

Learn more about how Canada is tackling AMR and antimicrobial use.

Learn more about antimicrobial resistance and animals, including the regulatory changes made to promote responsible use.

What is changing

All MIAs currently sold over the counter will become prescription status, and will be sold and distributed like other veterinary prescription drugs in Canada. The existing way that prescription (Pr) drugs are sold in Canada is not changing.

There will also be changes to the labels of MIAs, for example:

- removing growth promotion claims and related directions for use
- including responsible use statements on labels of all in-feed and in-water MIAs
- including a Pr on the principal display panel to show that it is a prescription drug

Information for stakeholders

This section further explains the federal rules on how Pr drugs (in dosage form) may be accessed and sold in Canada. These rules do not apply to the non-prescription drug context.

The distribution and sale of prescription drugs is a shared authority. Some provinces and territories may authorize certain facilities, beyond veterinary clinics and pharmacies, to sell Pr drugs.

This occurs in Quebec, for example, where a permit regime exists. Consult your provincial or territorial authority for further details.

The important terminology section defines some of the key terms that apply to different stakeholders.

Animal owners

In order to purchase a prescription drug for your animal, you first need to get a prescription from your veterinarian. This applies to animal owners, including food animal producers (who may make their own feed) and companion animal owners.

With a prescription, veterinarians and pharmacists can sell you a Pr drug, including:

- implants
- injectables
- in-water drugs
- drug identification number (DIN) drug premixes for mixing in feed

With a prescription, commercial feed mills can sell you a medicated feed containing a prescription drug**.** It must be sold in the form of a:

- supplement
- micro premix
- macro premix
- complete feed

A veterinarian is also allowed to sell you a Pr medicated feed. However, most do not have facilities to produce mixed feeds in these forms.

You **cannot** give or sell a Pr drug in **any** form to someone else.

Drug companies

Drug companies can sell a Pr drug (including a DIN drug premix) to:

- pharmacists
- veterinarians
- other drug companies (manufacturers)
- wholesale druggists (such as other wholesalers and commercial feed mills who may access DIN drug premixes to support their operations)

Drug companies must comply with drug good manufacturing practices (GMP) and obtain a Drug Establishment Licence (DEL) from Health Canada.

Drug companies **cannot** sell a Pr drug to:

- an animal owner
- a retail store, such as:
  - feed stores
  - farm supply stores
  - livestock medicine outlets

Veterinarians and pharmacists

Veterinarians and pharmacists can sell a Pr drug (including a DIN drug premix and medicated feed) to animal owners. However, these end users must have a prescription.

Veterinarians and pharmacists **cannot** sell a Pr drug to a retail store.

If you wholesale DIN drug premixes (for mixing in feed) or other Pr drugs, refer to the information for wholesalers. Other Pr drugs can include:

- implants
- injectables
- in-water drugs

Note the good manufacturing practices (GMP) and Drug Establishment Licence (DEL) wholesale requirements.

Commercial feed mills

A commercial feed mill is a facility that mixes and manufactures feed for commercial sale. This must be done in accordance with the Feeds Act and Regulations.

Drug companies can sell a DIN drug premix (for mixing in feed) directly to commercial feed mills without a prescription. You can then mix the DIN drug premix with feed ingredients to make medicated feed.

With a prescription, you may sell a Pr medicated feed to end users in the form of a:

- supplement
- micro premix
- macro premix
- complete feed

End users can include food-animal producers or an on-farm feed mill. These activities do not require you to comply with drug GMPs or obtain a DEL from Health Canada.

Commercial feed mills **cannot** sell a DIN drug premix to end users even with a prescription. End users include food-animal producers with on-farm feed mills.

The only exception is if you are authorized under the laws of a province or territory to do so with a prescription. This is possible in Quebec, for example, because of its permit regime.

There are specific rules if you want to wholesale DIN drug premixes to:

- a pharmacist
- a veterinarian
- another commercial feed mill or wholesaler

You must comply with drug GMP (where products are to be stored and handled in accordance with the label). However, you do not need to obtain a DEL.

If you want to wholesale Pr drugs other than DIN drug premixes, refer to the information for wholesalers. Note the GMP and DEL wholesale requirements.

Wholesalers

Drug companies can sell Pr drugs directly to wholesalers without a prescription, including:

- implants
- injectables
- in-water drugs
- DIN drug premixes

As a wholesaler, you can sell these Pr drugsand DIN drug premixes without a prescription to:

- pharmacists
- veterinarians
- other drug companies (manufacturers)
- wholesale druggists (such as other wholesalers and commercial feed mills)

If you wholesale Pr drugs other than DIN drug premixes, you need to comply with GMP. You must also obtain a DEL for the activity of wholesale.

You only need to comply with drug GMP if you only wholesale DIN drug premixes to:

- a pharmacist
- a veterinarian
- another commercial feed mill or wholesaler

You do not need to obtain a DEL.

A Pr drug **cannot** be sold to:

- a retail store
- animal owners/end users

Retail stores

Retail stores cannot access or sell Pr drugs in **any** form to anyone (even with a prescription).

Prescription Status: affected drugs and dosage forms

The Prescription Drug List (PDL) is a list of medicinal ingredients. Any drug containing an ingredient on this list **must** be sold by prescription.

Since 2004, new MIAs approved by Health Canada have been included on the PDL and must be sold by prescription.

Further to public consultation, we are now moving all remaining MIAs approved for veterinary use before 2004 to the PDL. With this change, we establish the same level of oversight for those MIAs approved before 2004 as for those approved after.

These MIA ingredients (and their salts or derivatives) will be included on the PDL for Veterinary Use:

- Tiamulin
- Neomycin
- Bacitracin
- Tilmicosin
- Apramycin
- Penicillin G
- Lincomycin
- Erythromycin
- Virginiamycin
- Spectinomycin
- Sulphonamides
- Tylosin/Tylvalosin
- Streptomycin/Dihydrostreptomycin
- Tetracycline/Chlortetracycline/Oxytetracycline

This includes all dosage forms whether:

- otic
- oral
- topical
- in feed
- implant
- in water
- injectable
- intrauterine
- intramammary
- dusting powder

You can also find more information about the PDL process by consulting our Prescription Drug List Questions and Answers.

Timelines for the changes

Drugs listed in the prescription status: affected drugs and dosage forms will continue to be available without a prescription until December 1, 2018.

After December 1, 2018, these drugs will only be sold if there is a prescription from a veterinarian.

You may see some label changes on the market during the transition between old and new labels in early 2018.

November 2018

Who we are working with

Over the last several years we have been engaging stakeholders about these changes. We will continue to support these actions with ongoing engagement and communication.

We will continue working with:

- The Canadian Food Inspection Agency
- Provincial and territorial partners (Ministries of Agriculture and veterinary licensing bodies)
- Canadian Veterinary Medical Association(representing veterinarians)
- Animal Nutrition Association of Canada(representing animal health nutritionists as well as feed mills)
- Canadian Animal Health Institute(representing drug manufacturers)
- National Producer Associations:
    - Canadian Cattlemen's Association
    - Canadian Pork Council
    - Chicken Farmers of Canada
    - Dairy Farmers of Canada
    - Equestrian Canada

Important Terminology

Some of the terms used on this page are defined in the Foods and Drugs Act and/or Regulations. The definitions provided have been edited for clarity:

- wholesaler: this person sells a prescription drug other than at retail sale.
- drug premix: a drug for veterinary use that is assigned a drug identification number (DIN). The directions on its label specify that it is to be mixed with feed. On this page, the term used is "DIN drug premix."
- sell: in the context of veterinarians and pharmacists, sell includes dispensing for sale.

Other important terms that don't have regulatory definitions include:

- wholesale druggist: examples of wholesale druggists include commercial feed mills (who may access DIN drug premixes to support their operations) and wholesalers
- commercial feed mill (a type of wholesale druggist): a facility that mixes and manufactures feed for commercial sale in accordance with the Feeds Act and Regulations
- retail stores (not including pharmacies or veterinary clinics): these include facilities such as:
    - feed stores
    - farm supply stores
    - livestock medicine outlets

Who to contact

For questions about Veterinary prescription drugs, email: hc.vetdrugs-medsvet.sc@canada.ca.

For questions about drug GMP:

- email GMP_Questions_BPF@hc-sc.gc.ca
- learn more about preparing for a GMP wholesaler inspection
- understand the obligations in Part C Division 2 of Food and Drug Regulationsto comply with expectations as a wholesaler of a Pr drug or DIN drug premix
- find more information in Health Canada's Good manufacturing practices guide for drug products

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For questions about the Feeds Act and Regulations, email: FEED_MILL_INSP@inspection.gc.ca.

For questions about DELs, email: DEL_Questions_LEPPP@hc-sc.gc.ca. Learn more about obtaining a Drug Establishment Licence.

Contact your provincial/territorial authority for questions about:

- licensing
- dispensing
- other rules within your province/territory

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

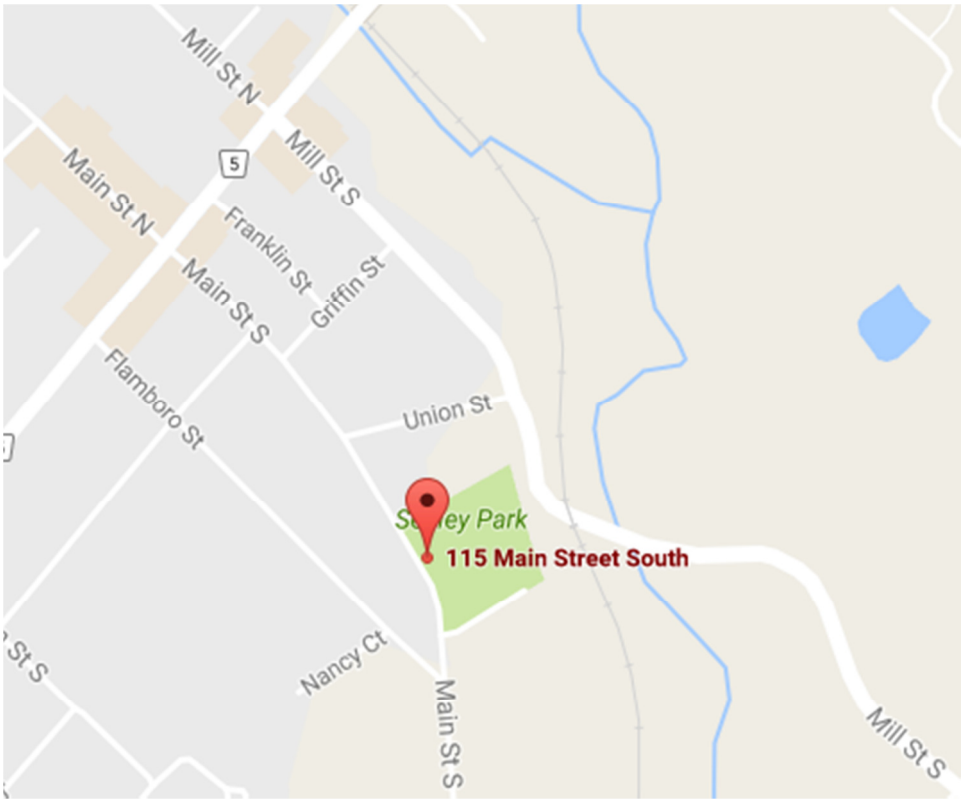
Can't attend the meeting? You can Skype in and participate that way. Here are the details:

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.