



Photo: Melchior de Bruin

AQUAVET® Information for 2023

AQUAVET®

Background Information

- *Need for trained veterinary professionals*
 - *contribute to the health/welfare of aquatic animals and their environment*
 - *Began in the spring of 1977*
- *Historically sponsored by*
 - *University of Pennsylvania*
 - *Cornell University*

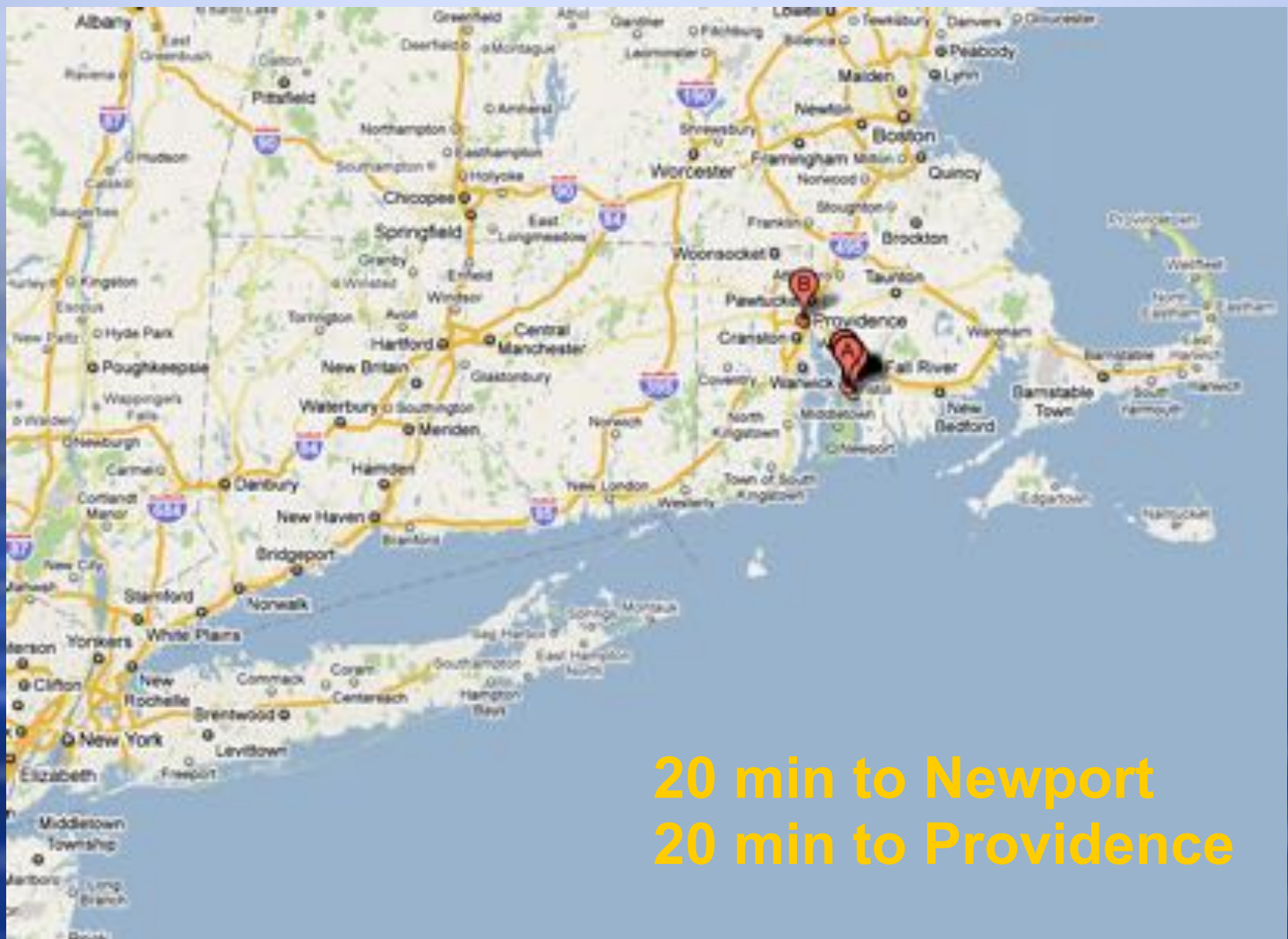
AQUAVET®

Course Information

- ◆ *Three opportunities*
 - ◆ **AQUAVET® I**
 - ◆ *Introduction to Aquatic Veterinary Medicine*
 - ◆ *4 week course*
 - ◆ **AQUAVET® II**
 - ◆ *Comparative Pathology of Aquatic Animals*
 - ◆ *2 week course*
 - ◆ **AQUAVET® Summer fellowship**
 - ◆ *Usual Location: Fish Diagnostics Lab at Cornell*
 - ◆ *Usual Topic: a selected fish viral disease*
 - ◆ *Duration: 8 weeks*

Logistics – AQUAVET® I & II

- ◆ ***Roger Williams University - Bristol, RI***
 - *Classrooms and labs*
 - *Library*
- ***Tuition*** covers course work, housing and most meals
- ***Housing*** – suites with kitchen and 2 bedrooms
 - *4 students per suite*
 - *roommate*
 - *no pets*
- ***Meals*** – cafeteria meal plan
 - *Breakfast, lunch, dinner*
 - *5-10 stations*

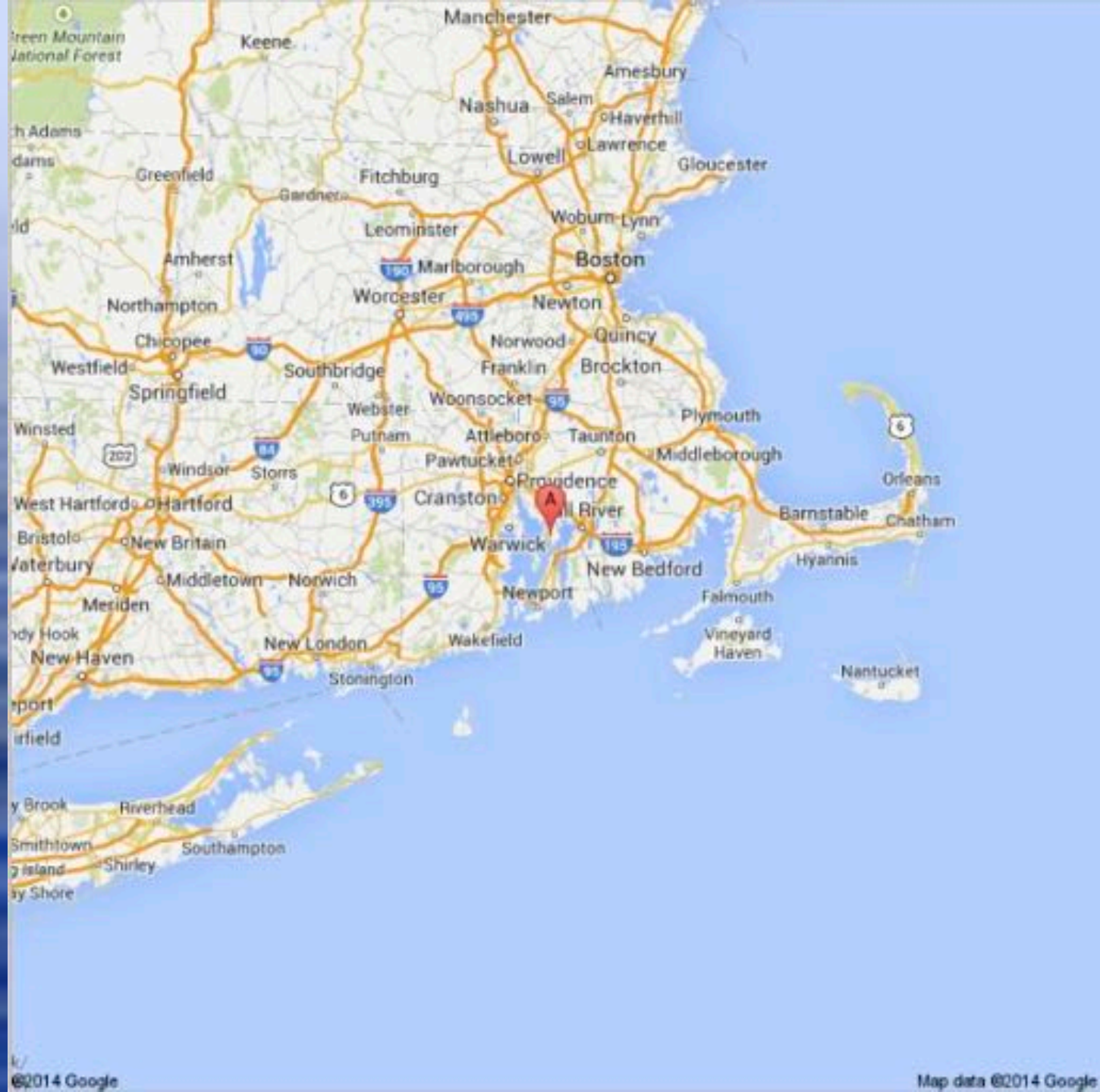


Location Bristol, R.I.

Bristol, R.I.

Just 1-1.5 hours to:

- Boston
- Mystic
- Barnstable



RWU Campus





COURSES at RWU

AQUAVET® I:

An Introduction to Aquatic Veterinary Medicine

4 weeks: total immersion course

28 May to 24 June 2023

22-24 Students

Approx. 46 invited faculty

AQUAVET® II:

Comparative Pathology of Aquatic Animals

2 weeks: total immersion course

28 May to 10 June 2023

12-18 students

Approx. 15 invited faculty



Marine and Natural Sciences Building



Typical Dorm Room





AQUAVET I 2022 Class
Woods Hole, MA 6-22-22

AQUAVET® I

Introduction to Aquatic Veterinary Medicine

- *Four weeks – begins May 28 and ends June 24*
- *Classes routinely 6 days a week (and most evenings)*
 - *Water Quality*
 - *Invertebrates to marine mammals*
 - *Lectures and laboratory sessions*
 - *Student seminars*
 - *Field trips*

AQUAVET® I

Introduction to Aquatic Veterinary Medicine

Invertebrates to marine mammals

- *Aquatic invertebrates*
- *Fish*
- *Amphibians and Reptiles*
- *Sea Turtles*
- *Aquatic Birds*
- *Marine Mammals*

AQUAVET® I

◆ *Field trips*

- *Intertidal Invertebrate Collecting*
- *Mystic Aquarium*
- *New England Aquarium*
- *Atlantis Marine World*
- *Riverhead Foundation for Marine Research and Preservation*
- *WHOI (Woods Hole Oceanographic Institute)*

AQUAVET® I

- ◆ ***Tuition for Students - \$2,750***
 - ◆ *Less \$200 from anonymous donor = \$2,550*
 - ◆ ***Includes***
 - ◆ *Tuition*
 - ◆ *Room and board (almost all meals) - 4 weeks*
- ◆ ***Required to attend class***
 - ◆ *Foundation covering 2/3 of cost*
- ◆ ***Credit Available – depending on school***
 - ◆ ***Evaluation based on***
 - ◆ *Participation in all aspects of the course*
 - ◆ *Especially student seminars*

AQUAVET® I Cost Comparisons

- **Tuition** - \$2,750 - \$200 = \$2,550
 - Compare:
 - **AQUAVET® I** – 4 weeks
 - about \$635/week - Includes
 - Tuition
 - Room and board (practically all meals)
 - **MarVet** – 2 weeks for about \$2,000
 - About \$1,000/week
 - Includes only some meals
 - **SeaVet** – about \$400 for 10 days
 - About \$300/week
 - Includes only some meals
 - Does NOT include housing



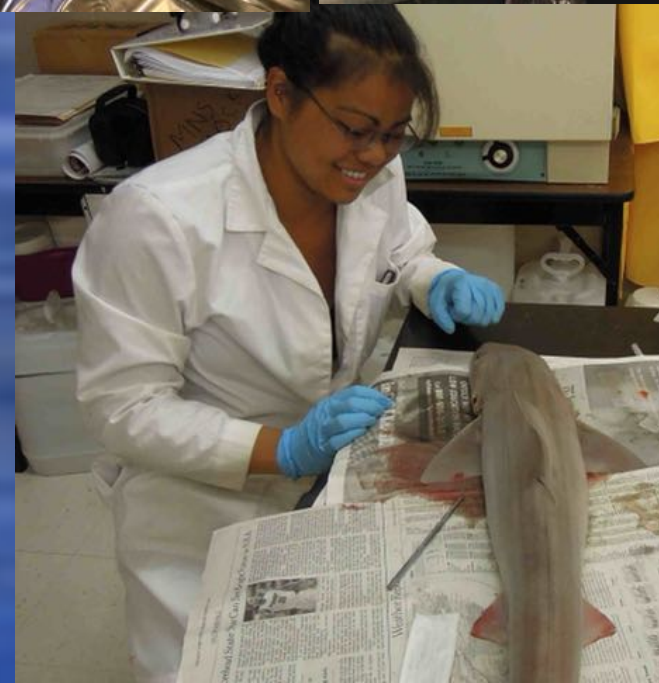
Scenes from AQUAVET® I



Scenes from AQUAVET® I



Scenes from AQUAVET® I



Scenes from AQUAVET® I



Scenes from **AQUAVET® I**

(photos – Robert Maze)



STUDENTS & FACULTY



STUDENTS & FACULTY



Not All Fun and Games

Classes

***regularly 5.5 to 6 days a week
(and most evenings)***

Required to Attend Class

8 am to noon

1 pm to 5 pm

6:30 pm to 8:30 pm or later



AQUAVET® I

◆ ***Student seminars***

- ◆ ***25-30 minute***
- ◆ ***PowerPoint***
- ◆ ***Topics***
 - ◆ ***Invertebrates to marine mammals***
 - ◆ ***Marine plants***
 - ◆ ***Ecology***
- ◆ ***prepare early***

Diving adaptations of sea turtles

Colin McDermott
University of Pennsylvania
School of Veterinary Medicine
Aquarist I
June 6 2008

Piping Plover

- Small shore bird:
 - Adults ~55 g and 6-6.5 inches tall
- Sandy-colored feathers with grayish-brown crowns and backs
- White foreheads
- Dark, incomplete rings encircle the necks
- Short, straight bills



Conservation of the Hawaiian Monk Seal

Monachus schauinslandi



<http://www.kauaimonkseal.com/Home.html>

<http://archives.starbulletin.com/2006/02/19/news/s206115.html>

The American Paddlefish



www.pilotpumpkin.com/

Past, Present and Future

Ari Fustukjian

Amblyrhynchus cristatus

Galapagos Marine Iguana - Marine Iguana - Sea Iguana



Cassie Bolton
Aquavet I 2006
Kansas State University
cbolton@vet.ksu.edu

Natural History of the Octopus



Presented by
Alexandra Outlaw, D.V.M.

Koi Herpesvirus

May 27, 2004
Isadora Marion

Manatee Biology



Barbara Carver
NCSU College of Veterinary Medicine
Aquavet I
March 30, 2006

AQUAVET II 2022



ROGER WILLIAMS UNIVERSITY
BRISTOL, RHODE ISLAND

AQUAVET® II

Comparative Pathology of Aquatic Animals

FOCUS

Pathology and Pathogenesis of diseases

- of important
aquatic invertebrates and fish
- biomedical research models
- cultured species

AQUAVET® II

Comparative Pathology of Aquatic Animals

- *Prerequisites: AQUAVET® I or equivalent*
- *Two Weeks – May 28 to June 10, 2023*
- *Classes 6 days a week and most evenings*
- *Lectures, slide review, and occasional wet labs*
 - *Primarily Fish and Invertebrates*
 - *Comparative Anatomy*
 - *Parasites*
 - *Bacterial, Viral and Fungal Diseases*
 - *Toxicology*
 - *Histopathology*

AQUAVET® II

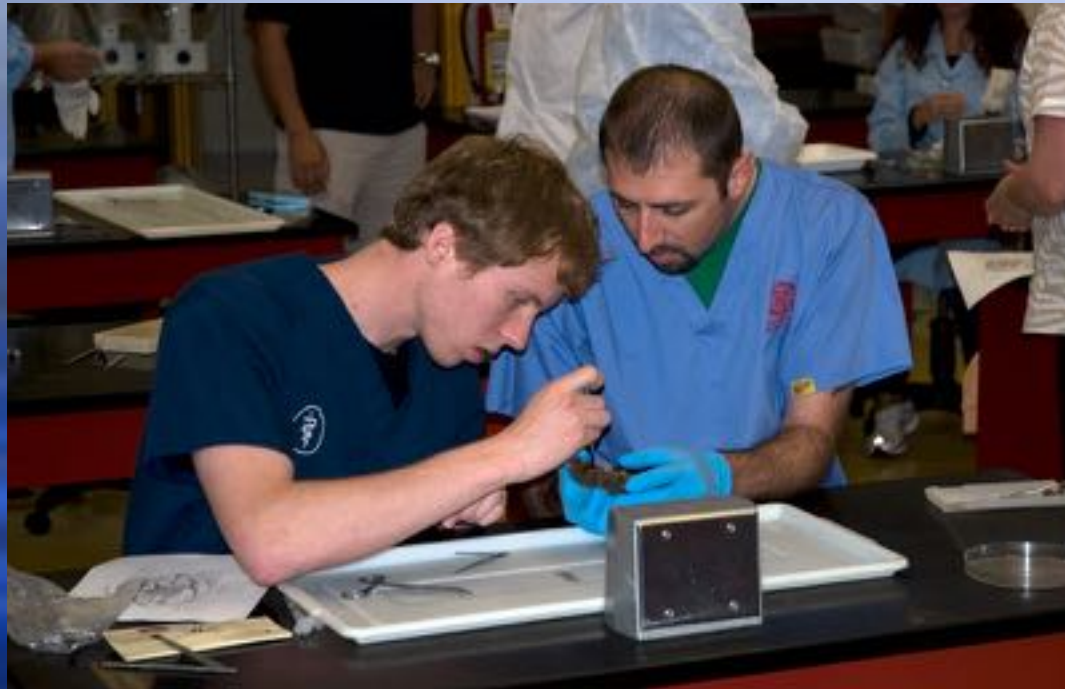
- ***Student Tuition - \$1,665***
 - ***Includes course instruction and room and board***
- ***Required to Attend Classes***
 - ***Foundation covering 2/3 of cost***
- ***Course Credit possible***
 - ***Depends on school requirements***
- ***Evaluation***
 - ***Based on class participation***



Scenes from AQUAVET® II

AQUAVET® II - Lots of Microscope Work





Several Wet Labs in AQUAVET® II



Whale Watch

Humpback Whale



Finback Whale



Finback Whale



Photo: Melchior de Bruin



Free Time





AQUAVET® Summer Fellowship

- *Research project under guidance of AQUAVET® faculty*
- *8 week duration (July and August)*
- *Aquaculture Based Project (funding requirement)*
- *Limited positions – usually 1*
- *Pays stipend of \$3,800 after finishing all 8 weeks*
- *Publication often generated at the end of project*

APPLICATION PROCESS

Application forms www.aquavet.org

Down-load the application form

MS Word and pdf

Please Submit **Electronically**

APPLICATIONS DUE 15 Jan

APPLICATION PROCESS

What you must submit:

1. The completed application form
2. OFFICIAL Undergraduate transcripts
3. OFFICIAL Veterinary school transcripts
4. Current CV (Curriculum Vitae)

NOTE: “OFFICIAL” means they are sent directly to the director by the university. We cannot accept transcripts sent by the students. Most are done electronically these days.

APPLICATION PROCESS

NOTES:

- If applying for more than one course, need to submit application for each, however, only one set of transcripts
- If applying for a second year (e.g. AQV2 or AQV3), only the updated veterinary school transcript is required (and application)
- Veterinary school transcript must include recent work (fall of the year before application due)
- CV now also required
- Letters of recommendation accepted but NOT required
- Transcripts must be official copies sent directly to the director
 - Transcripts should be sent electronically by the university to the director
 - Paper transcripts are problematic, but IF NECESSARY will be accepted at director's address

APPLICATION PROCESS

Where to submit:

Should be electronic: aquavetmail@gmail.com

If transcripts must be sent by mail:

**Donald W. Stremme, V.M.D.
AQUAVET® Director
Cornell University
College of Veterinary Medicine
Microbiology and Immunology
C5181 Vet Medical Center
Ithaca, NY 14853**



APPLICATION PROCESS

- *Applications due January 15th*
- *Application forms - website*
 - *Via E-mail as PDF file preferred*
- ***Essay** - highlight any aquatic experience*
 - *Can be separate word document*
 - *This is most important part of your application*
- *Acceptance to the program*
 - *Competitive Basis*
 - *Announced in February*

APPLICATION PROCESS

The application process is competitive

What does the admission committee look for?

An indication that you will use the information in the future

What have you done in the past in the aquatic sciences
and/or aquatic animal medicine.....

and/or even other exotic animal work

Formal courses

Other courses

Paid and volunteer work experience

Other: e.g. hobbies (keep aquarium fish)

Membership: IAAAM, WAVMA, AAFV, AAZV, ARAV, etc.

Application form, essay –

Why you think you will benefit from the course.

Probably the most important part of the application.

Follow the instructions regarding length of your essay.

Proof read it.

Further information

- Website www.aquavet.org
- Contact Information

Donald W. Stremme, VMD
(609) 350-3044
aquavetmail@gmail.com

