



INTERNATIONAL ASSOCIATION FOR AQUATIC ANIMAL MEDICINE

The I.A.A.A.M. News

www.iaaam.org

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Message from the IAAAM President Elect

Dear IAAAM Members,

It's only August but already Rob Laughlin and I have been hard at work planning the 2011 IAAAM conference at the Mirage in Las Vegas. We are striving to get information to you as early as possible and in order to do that we need your help.

If you are interested in proposing a workshop to be held before or after the conference- you will need to fill out the workshop proposal form and return it to me (lmazzaro@aol.com or fax to 860-572-5972) NO LATER THAN October 1st 2010. Rob and I will work to provide space for as many workshops as possible and will respond with decisions by November 1st. All conference costs will be available on the registration form so we'll need you to determine your workshop costs in a timely manner so that registration can go live right after the first of the year.

This is also your first official call for abstracts for the 2011 IAAAM Conference. Please read the instructions for abstract submission carefully and pay attention to the details. Perfect abstract submissions will be eligible for prizes!! The abstract due date is February 11th 2011 so please plan accordingly.

Finally, please consider asking your respective organizations to be sponsors at this year's meeting. You can sponsor a specific event (coffee break, breakfast, etc) or just sponsor the conference in general. Even small sponsorship amount will help us offset costs and be able to offer more for your conference registration cost.

Enjoy the rest of your summer.

Lisa Mazzaro
President-Elect

42nd Annual IAAAM Meeting and Conference

The 42nd Annual Meeting and Conference of the IAAAM will be held at the Mirage Hotel and Casino in Las Vegas starting on May 7, 2011 and running through May 11, 2011. The first call for abstracts and workshop proposals has been sent via email. If you are interested in hosting a workshop, please fill out the [workshop proposal form](#) on the IAAAM website. The abstract due date will be on or before February 11, 2011 and the [instructions for authors](#) and a [sample abstract](#) are available on the IAAAM website. This year, prizes will be awarded for abstracts with perfect formatting.

Conferences & Seminars

2nd International Congress and Exhibition on Aquatic Animal Health Management and Diseases

The 2nd International Congress & Exhibition on Aquatic Animal Health Management and Diseases will be held by Veterinary Council, I.R. Iran, as Organizer, with collaboration of Contemporary Conference Organizers as co-organizer and with support of Iran Veterinary Organization, Faculty of Veterinary Medicine of University of Tehran, Iranian Fisheries Research Organization and Iran Fisheries Organization, during October 26-27, 2010, in Tehran-Iran.

Topics of Conference consist of:

- Diseases, Prevention and Treatment
- Nutritional Health Management
- Water Quality Management
- Health Management in Farms

For more detailed information refer to our website: <http://www.icaamd.com> and please do not hesitate to contact the congress secretariat, Dr. Issa Sharifpour, if you need additional information.

AVMA/WAVMA Joint Symposium

Call for Papers - Advances in Clinical Aquatic Veterinary Medicine Aquaculture America, 2011 February 28 - March 3 New Orleans, Louisiana

As Associate Sponsors of Aquaculture America 2011, the AVMA and WAVMA invite aquatic veterinarians and veterinary paraprofessionals to submit abstracts for 15 or 30 minute presentations on issues that deal directly with, or involve aquatic veterinary medicine.

Presentations that address the following are particularly encouraged:

- Pathophysiology of emerging and important diseases in aquaculture
- Clinical cases of food and ornamental finfish, crustacean and mollusks
- Biosecurity and approaches for the prevention, control and eradication of disease
- Optimal and judicious use of biologics therapeutic agents in disease outbreaks
- Legislative and regulatory issues facing aquatic veterinary medicine
- Public health and zoonotic disease
- Seafood safety.

Presentations pertinent to practicing veterinarians and aquaculture producers are particularly important. Should this program meet veterinary CE standards, veterinarians attending will receive a veterinary CE certificate of participation.

Intent to Present - deadline August 10, 2010

To ensure inclusion in this Session, speakers intending to present should send the author name/s and presentation title, and the desire for a 15 or 30 minute presentation to:

Dr. A. David Scarfe, Session Coordinator
American Veterinary Medical Association
dscarfe@avma.org (847) 285-6634

Abstract Submission - deadline August 30, 2010

All abstracts must be submitted online through <http://www.WAS.org>.

AQUACULTURE AMERICA 2011, AVMA and WAVMA are unable to subsidize registration fees, travel or hotel costs. All presenters are required to pay their own registration, accommodation and travel expenses.

Professional and Educational Opportunities

Veterinarian - Texas State Aquarium

The Texas State Aquarium is actively recruiting a Veterinarian to oversee the Aquarium's animal health care program. The Texas State Aquarium is a 501(c)(3) organization whose mission is to inspire appreciation and wise stewardship of the Gulf of Mexico.

Essential Functions:

Oversee the planning and participate in the preventative veterinary care program for the Aquarium's animal collection. Assist in the development of protocols concerning animal diets, quarantine, and preventative medicine. Perform necropsies and prepare post-mortem samples for lab analysis. Participate in the medical care of the Aquarium's bird, sea turtle, and marine mammal rehabilitation program. Ensure that the veterinary care program is compliant with local, state, and federal regulations. Participate in the Aquarium's research committee.

This position is a member of the Senior Animal Husbandry staff and will report to the Director of Animal Husbandry

Requirements:

The successful candidate must be motivated, a self-starter, and enthusiastic; demonstrate excellent communication skills and team-building abilities. Prior staff supervisory experience preferred. Proficiency in animal immobilization, anesthesia, radiography, and basic surgical procedures is a must. Knowledge of and experience in practicing medicine with marine and terrestrial mammals, birds, reptiles, and aquatic species. Knowledge of USDA/APHIS regulations and state/federal permits. Ability to lift 50 pounds and perform strenuous duties in extreme weather is required. Must possess or obtain a valid Texas Drivers License.

Qualifications:

Candidates are required to have a DVM from an AVMA accredited veterinary college. Candidates must have one year of experience in a zoological/aquarium setting. Candidates must possess or obtain a valid State of Texas

Veterinary License, DPS and a DEA substance registration, National Veterinary Accreditation from USDA-APHIS, and a valid Texas driver's license.

Benefits include, but are not limited to, medical coverage, retirement plan, and vacation/holiday leave. The Texas State Aquarium is an equal opportunity employer and a drug free workplace.

Please complete a Texas State Aquarium online application process available at our website at www.texasstateaquarium.org under Employment.

Emergency Relief Officer - International Fund for Animal Welfare

Position Title: Emergency Relief Officer

Reports To: Manager, Emergency Relief-Disasters

Location Of Job: Headquarters – Yarmouth Port, MA Job Code: AIC027

Purpose

Under the guidance of the Manager, Emergency Relief-Disasters, responsible for the implementation and monitoring of IFAW projects in accordance with the IFAW strategic plan. Specific activities include emergency response worldwide and on the ground project work.

Accountabilities/Responsibilities

- Train for, and respond to, IFAW emergency responses, including hands on work. Trained to the level to act as ER field team leader.
- Maintain oversight of ER projects and liaise with country office staff to ensure smooth operation of ER projects. Supervise and monitor on the ground staff, grantees and contractors, and daily operations of ER projects. Responsible for visits to project sites and timely submission of project status reports and documentation.
- Team membership and/or leadership of IFAW staff and volunteers in emergency responses.
- Monitor expenditure and track budgets for assigned ER projects.
- Support IFAW HQ departments (Direct Marketing, Online Campaigns & Marketing, Philanthropy, Finance, Communications, etc.) in achieving IFAW institutional goals through ER projects.
- Maintain oversight of Emergency Relief Networks internationally with an emphasis of partner agencies in the United States.
- Provide trainings in emergency management (Incident Command System), emergency animal sheltering, and technical rescue.
- Other relevant duties as assigned.

Job Requirements

- College degree preferred or equivalent relevant experience (e.g. vet. technician, animal rescue and disaster management, animal behavior, etc).
- At least two years working in a hands-on environment with animals, or with emergency relief or disaster management, or related relevant NGO experience.
- Able and willing to travel anywhere in the world on extremely short notice, work long hours, and live in difficult (often dangerous) conditions for a month or more at a time.

- Physically fit and capable of passing the “vigorous” fit test (3 miles, 45 min, 45 lb).
- Able to work interdependently, optimizing the skills available within the team.
- Meet minimum NARSC standards for “Technical” level for shelter and field rescue worker.
- High level of professionalism – the mix of dependability, initiative, industry and ability to make sound judgments, within agreed guidelines, that will earn respect and achieve success in chaotic, fast moving and high pressure environments. Ability to adapt to working in varied environments and to handle high or chronic stress situations.
- Excellent communicator, both verbally and in writing. Ability to interact harmoniously and communicate effectively with people (both internally and externally) from varying educational, social and cultural backgrounds.
- Skills in one or more relevant languages preferred.
- Commitment to animal welfare and promoting IFAW’s mission preferably with experience in the field of animal welfare or conservation.
- Demonstrated ability to work and live under adverse conditions.

How to Apply

If interested in applying for a position posted, send cover letter and resume to Gia Thomas:

Email: recruitus@ifaw.org

Fax: +1-508-744-2119

Or Mail:

IFAW
290 Summer Street
Yarmouth Port, MA 02675

Chicago Zoological and Aquatic Animal Residency Program

The University of Illinois, College of Veterinary Medicine in conjunction with Brookfield Zoo, Lincoln Park Zoo and John G. Shedd Aquarium are offering a three year residency in Zoological and Aquatic Animal Medicine. The residency is approved by the American College of Zoological Medicine (ACZM) and is supervised by two Diplomates of this college. The residency is supported by a minimum six full-time zoo, aquatic and wildlife veterinarians between all the facilities. The residency is designed to integrate experiences from all four institutions to provide clinical training that will enable the resident to become competent in exotic, zoo, aquatic and wildlife medicine and provide the necessary requirements to be eligible for certification in the American College of Zoological Medicine.

The residents primarily rotate among Brookfield Zoo, Lincoln Park Zoo and the Shedd Aquarium which are all located in and around Chicago. Each rotation will be between four to eight months and residents will spend approximately 10-14 months at each of these facilities. These world class conservation institutions offer extensive exposure to zoological and aquatic species including: megavertebrates, large carnivores, non-human primates, cetaceans, herptiles, birds and fish. Residents gain clinical experience under the direction of veterinary and management staff including handling and immobilization, providing preventative medicine, management of sick and injured animals as well as population health. Residents participate in rotations with the Zoological Medicine and Surgery Service at the College of Veterinary Medicine and are encouraged to spend some time rotating through Imaging, Anesthesiology and Surgery. Residents complete graduate level courses (statistics) through the

University of Illinois. Residents have the opportunity to interact and work with the University of Illinois Zoological Pathology Program which provides service to all three zoological institutions based in Chicago. Opportunities to work towards a graduate degree may be available.

Primarily emphasizing clinical medicine, the residency will provide scientific opportunity and encourages scholarly activities of publication and teaching. Residents participate in weekly multi-institutional courses including literature and topic review, case rounds and teach veterinary students on clinical rotations at each facility. Residents will also participate in teaching some didactic course work and laboratories for veterinary students. Residents will be responsible for writing and submitting manuscripts for publication to fulfill ACZM credentials and present selected projects at professional meetings. One manuscript must be an original research project which will be selected with input from veterinary mentors.

Funding is provided to permit the resident to attend continuing education annually and one-time attendance of the ACZM preparatory course. The position starts in mid July of each year with annual re-appointment for a maximum of three years based on annual performance. Residents will be employed by UIUC-CVM and compensated on a scale of standard residency programs which includes benefits through UIUC-CVM with vacation and sick leave accruing monthly.

Applicants must hold a DVM from an AVMA accredited program and have minimally completed a one-year internship or equivalent practice experience. Licensure to practice or eligibility for licensure in Illinois is needed to apply with full licensure required before beginning the residency. The University of Illinois, Brookfield Zoo, Lincoln Park Zoo and the John G. Shedd Aquarium are interested in candidates with the highest standards of scholarship and ethics and who are committed to conservation and animal welfare. Interested candidates are encouraged to contact and/or visit participating institutions the summer prior to applying or well before the application deadline. Please contact Dr. Jennifer Langan, DVM, Dipl. ACZM (via Barbara Matuch at Barbara.Matuch@czs.org), Dr. Kathryn Gamble, DVM, MS, Dipl. ACZM (kgamble@lpzoo.org) or Dr. Caryn Poll (cpoll@shedd Aquarium.org) for more information. Applications should include a letter of intent, curriculum vitae, original transcripts, and three letters of reference. Applications should be sent to: Sheila Voyles (svoyles@uiuc.edu), Attn: CZAAR, University of Illinois, College of Veterinary Medicine, Department of Veterinary Clinical Medicine, 282 SAC, 1008 West Hazelwood Drive, Urbana, IL 61802, FAX: 217-244-1475. Deadline for application is the **October 16, 2009**. Candidates are responsible for ensuring all application materials, including reference letters are received by the posted deadline.

<http://www.cvm.uiuc.edu/vcm/zooresid.html>

Other Items of Importance

Tribute to Dr. William Medway

The June issue of Veterinary Clinical Pathology contains a tribute to the late Dr. William Medway, one of the founders of the IAAAM. To read the entire article, journal subscribers can use the following link: <http://www3.interscience.wiley.com/journal/122212193/group/home/home.html>.

The article is in the Laboratory Medicine: Yesterday •Today •Tomorrow section. *Dr. William Medway (1927–2006): teacher and colleague from yesterday, remembered today, and influencing tomorrow.* (p 136-137) by Patricia M. McManus, Published Online: Jun 1 2010 11:22PM, DOI: 10.1111/j.1939-165X.2010.00236.x

Training and Service Opportunities in Conservation, Environmental, Wildlife, and Zoological Medicine Database

The AVMA Committee on Environmental Issues (CEI) database, "Training and Service Opportunities in Conservation, Environmental, Wildlife, and Zoological Medicine," is now live at http://www.avma.org/meetings/environmental_opps/default.asp.

Dr. Ilze Berzins Named New CEI member

Dr. Ilze Berzins has been named as the new AVMA Committee on Environmental Issues member for Aquatics. Please let her know if there are any AVMA issues which need to be addressed. Contact Dr Berzins at iberzins@sheddakquarium.org

Nutrition Survey

Attached is a survey designed to determine what the current supplementation practices are at facilities that maintain marine mammals, penguins and sharks. This survey has been approved by the Marine Mammal TAG and Penguin TAG Steering Committees. Some of you may have already received the survey and returned it (in which case you can ignore this request). If your facility cares for any of these animals, please consider taking a few minutes to fill out and return this survey. About 20 years ago when I was a PhD student I mailed out a smaller version of this survey to determine the ranges of vitamins A and E that were being fed to pinnipeds at that time. We found much variation in the concentrations that were being fed to animals under human care. Twenty years have passed and I imagine that supplementation practices have changed and I'm interested in evaluating the current practices. Results of the survey will be presented at multiple conferences including IAAAM and NAG and you can see my results from 20 years ago at the end of the survey. I'm hopeful that 20 years later the internet will allow me to get this survey to more facilities and also allow you to return it to me in an easier fashion. If you are interested in receiving a copy of the results please note that and once the data is presented I'll be happy to send out the results. Thank you.

Lisa Mazzaro

Aquatic Animal Supplementation Survey

Purpose: The purpose of this survey is to determine the ranges of key supplements currently being fed to aquatic animals. No institution will be individually identified in any presentations or publications using this material. Previous (early 1990) survey data for marine mammal supplementation is included at the end of this survey for your information.

Thank you for taking part in this survey! **PLEASE RETURN SURVEY VIA EMAIL OR FAX TO:**
Lmazzaro@mysticaquarium.org or 860-572-5972 by October 1st 2010.

1. Institution name: _____
2. Contact person: Email _____ Phone _____
3. Type of facility _____ Public Display _____ Research _____ Stranding _____ Other _____

4. What food items to you feed to your aquatic animals? (please fill in approximate % of each food item)

Food items	Pinnipeds	Cetaceans	Otters	Penguins	Sharks
Herring					
Capelin					
Smelt					
Mackeral					
Trout					
Sardines					
Salmon					
Squid					
Gel diets					

Marine Mammals

5. Which vitamin supplements do you feed to your aquatic mammals? (circle supplement in table below or add one not listed)

*NOTE: if you choose a column not filled in please fill in the amount of the requested nutrients per tablet

Table 1. Amount of nutrients per tablet in supplements used for marine mammals

	Mazuri 5M26	Mazuri 5TLA	Mazuri 5TWX	Mazuri 584Y	Sea Tabs mammals	Generic plus E/B1	B1 and E only	Other
Vitamin A (IU)	7990	0	0	563	5500			
Vitamin B1 (mg)	226	233	100	255	250			
Vitamin C (mg)	280	280	125	0	75			
Vitamin D (IU)	0	0	0	0	400			
Vitamin E (IU)	259	259	125	368	350			
Iron (mg)	0	0	0	0	0			
Lutein (mg)	0	0	12.5	0	0			

6. Please check the box next to each species maintained at your facility and fill in the supplement dosing information.

Example: (1 tab/5lb fish/day; 2 tabs/day for animals x to x kg body weight)

*NOTE: Add any additional marine mammals maintained at your facility to the list

Table 2. Dosing information for aquatic mammals at your facility

Species	Dosing information
Harbor seal	
Grey seal	
Harp seal	
Hooded seal	
Calif. Sea lion	
Steller sea lion	

	Northern fur seal	
	Walrus	
	Sea otter	
	River otter	
	Polar bear	
	Bottlenose dolphin	
	White-sided dolphin	
	Beluga	
	Orca	
	Manatee	

Penguins and Sharks

7. Which vitamin supplements do you feed? (check the box below the supplement that you use for your marine mammal/s or add one not listed)

*NOTE: if you choose a column not filled in please fill in the amount of the requested nutrients per tablet

Table 3. Amount of nutrients per tablet in supplements used for penguins

	Mazuri 5M23	Mazuri 5M25	Mazuri 5TLC	Mazuri 584Y	Sea Tabs peng/shark	Generic Plus E/B1	Thiamin-E per/ml	Other
CHECK BOX								
Vitamin A (IU)	3995	835	0	563	1000		0	
Vitamin B1 (mg)	110	20	23	255	50		50	
Vitamin C (mg)	130	25	28	0	10		0	
Vitamin D (IU)	0	0	0	0	20		0	
Vitamin E (IU)	125	25	26	368	50		100	
Iron (mg)	0	0	0	0	1.0		0	

Table 4. Amount of nutrients per tablet in supplements used for sharks

	Mazuri 5M24	Mazuri 5MD8 (.19g)	Mazuri 5TLC (.15g)	Sea Tabs peng/shark	Generic Plus E/B1	Other
Vitamin A (IU)	7730	700	5500	1000		
Vitamin B1 (mg)	83	10	83	50		
Vitamin C (mg)	531	63	502	10		
Vitamin D (IU)	690	87	690	20		
Vitamin E (IU)	54	13	103	50		
Iron (mg)	0	0.03	0.25	1.0		
iodine	231	30	237			

8. Please describe dosing rates for penguins and sharks at your facility. Example (1 tablet per day or 1 tablet 2x per week, etc)

Penguins: _____

Sharks: _____

9. What species of penguin(s) is maintained at your facility? _____

10. Are your penguins maintained in fresh or salt water? _____

11. Do you feed salt supplements to your penguins? _____

Previous survey data from the early 1990's

Table 2. Vitamin A (IU/day) and E (IU/day) supplementation ranges

Vitamin A	# of institutions	Vitamin E	# of institutions
0	4	50	2
200-600	1	140-300	4
1250	3	400	4
4950-6600	5	430	4
10,000	2	500	1
12,500	1	750-1000	4
16,500	1	4000	1
20,000	1		
40,000	1		
49,500	1		

IAAAM MEMBERSHIP INFORMATION

Complete membership information is available <http://www.iaaam.org> under the membership link, which includes online or downloadable new membership/renewal forms to accompany payment.

Membership is available in the following categories:

FULL MEMBER – Persons contributing to the advancement of, or devoting a portion of their professional activities to, aquatic animal medicine practice, research, teaching or management. \$50.00/year, discounted to 40.00/year if paid by 1 July.

STUDENT MEMBER – Students having an interest in veterinary practice, research, husbandry, management or conservation of aquatic animals. Student membership is open to all full-time undergraduate, graduate, veterinary and postdoctoral students enrolled in formal programs at academic and comparable institutions as well as individuals enrolled in full time internships and residencies. \$30.00/year, discounted to 25.00/year if paid by 1 July.

SUSTAINING MEMBER/ ASSOCIATION – Individuals, institutions or associations which make significant financial contributions (\$250 or more) to sustain the IAAAM. (Contact Treasurer for additional information).

LIBRARY/INSTITUTION SUBSCRIPTION - Libraries and institutions wishing to receive our meeting proceedings. \$70.00/year, discounted to 60.00/year if paid by 1 July.

LIFE MEMBER - Upon professional retirement, full members in good standing for a minimum of 10 consecutive years of active membership may be afforded life membership by the Executive Committee upon petition by the member.

HONORARY LIFE MEMBER - Individuals who have made an outstanding contribution to the promotion of aquatic animal medical science and the objectives of the Association.

Payment is due by July 1st, each year. March 1st is the last day to pay and still get the member conference registration rate. If paying by check, be sure to make your check payable to –IAAAM.

Please send your completed membership form and payment to:

IAAAM/ Pam Tuomi, DVM
Alaska SeaLife Center
P.O. Box 1329
Seward, AK 99664

The Newsletter of the International Association for Aquatic Animal Medicine is published four times a year (usually in January, April, August, and November). An annual conference is held every year in the spring and electronic proceedings from that conference are mailed out in June or July to those not in attendance. The International Association for Aquatic Animal Medicine is a nonprofit organization dedicated to advancing the art and science of aquatic animal medicine and health.

Newsletter submissions are welcomed, although the newsletter editor and the IAAAM board reserve the right to edit and/or refuse the publication of any submissions. The deadlines for submissions are December 1, March 1, July 1, and October 1. Submissions should be made in RTF (Rich Text Format), or WORD, without complex formatting. For submissions contact John C. Jones, Newsletter Editor, at admin@iaaam.org.

For membership information, including dues payment, and address changes contact Cindy Driscoll at cdriscoll@dnr.state.md.us.

IAAAM EXECUTIVE BOARD

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HONORARY LIFE MEMBERS

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*deceased

Deke Beusse*

Lawrence Dunn

Jack Gratzek

Jay Hyman

Bob Wright

Jesse White*

IAAAM COMMITTEE CHAIRS

IAAAM Nominations and Awards

Don Stremme (IAAAMdws@aol.com)

IAAAM Site Selection

Sam Dover (sdoverdvm@cox.net)

IAAAM Student Liaison

Kathleen Colegrove (kcolegrove@lumc.edu)

Student Endowment Oversight Committee

Tracy Romano (tromano@MysticAquarium.org)