



April 2009 {Vol 40:2}

International Association for Aquatic Animal Medicine

# *The IAAAM News*

[www.iaaam.org](http://www.iaaam.org)

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**Mission:** To advance the art and science of aquatic animal medicine and health, encourage the free exchange of knowledge in the interest of improving the health care and husbandry of domestic aquatic animals, and promote the proper conservation and management of wild aquatic animals.

## **40<sup>TH</sup> ANNUAL IAAAM MEETING AND CONFERENCE**

### **Clinical Conundrums**

The Conundrum Session will occur in Texas! It will be Sunday evening at 8:00 p.m. with the location to be announced.

Just as a reminder of the loose parameters we set two years ago for this session was going to the definition of a conundrum. A conundrum means a “puzzle, mystery, challenge, problem, and riddle.” We would like to keep it this way where there can be some real dialog between anyone with an idea about a case or problem.

What we are looking for are clinical cases or any other problem in management or specific therapy questions that make one want to get a lot of feedback from some of the folks in the general sessions or quietly sit in the audience, knowing brilliant things but not sharing them. So if you have a case, topic, or questions, please let me know. I want to keep it somewhat free-form, but last time with a few presentations and a panel of experts, we had a very nice turn out and excellent dialog.

Therefore if you do have something you would like to present, it can be in the form of a quick presentation with a “mini” PowerPoint as well as just questions you might like addressed. I would like you to send them in prior so I can make sure and balance all’s needs with time allowed, but just showing up and bringing up topics is the also fine.

We would like to receive a loose outline of the case with basically; signalment, history, clinical presentation, diagnostics, rule-outs, clinical course, treatments, and some supporting work if you’d like and you may

have done as in a literature search for the rule-outs, etc.

Please submit any ideas for this session to me as soon as you can as it will be arranged on a first come, first up sort of situation. This includes questions as well as cases or management dilemmas.

Again, I hope we can make this a very interesting session. Fish, polar bears, dolphins, shore birds, seals and sea lions.... Everyone is welcome! If you like to think and help solve our tough problems or just want to get into a relaxing information trading mode, this is the session for you!

By the way, the first keg of beer is on me, so bring your thirst and your brain!

My contact information is:

Michael B. Briggs, DVM, MS  
289 Butte View Drive  
Bolingbrook, Illinois 60490  
E-mail: mbbiggs@ix.netcom.com

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### **An Evening with Problem Solvers**

Remember the Profiles in Success evening (very successful and interesting) that we had show casing individuals in the field that enlightened us as to those characteristics that we consider to be successful and those that can hold you back? Now we would like to invite you to attend an evening with a group of fellow IAAAMers that will help us to understand that age old question “Is that the best you can do?” We will explore problem solving and the characteristics, personal and professional that make you a better problem solver and those that will hamper your progress at working through the difficult

challenges. Join us for another great evening at the Problem Solving Evening Seminar during the Texas meeting. Further enticements to follow.

Mike Walsh  
[WalshM@vetmed.ufl.edu](mailto:WalshM@vetmed.ufl.edu)

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### **CL Davis, DVM Foundation 4th Annual Marine Species Histopathology Workshop**

We are a mere 2 weeks away from the conference in San Antonio! We wanted to let everyone know that there is still room to register for the 4th Annual Marine Animal Histopathology Workshop on Saturday, May 2.

The workshop features Dr. Mike Rinaldi as the Keynote speaker. Dr. Rinaldi is one of the country's top mycologists. If you have an interest in learning about the fascinating role of fungal pathogens, you should not miss this lecture. In addition, the cases submitted for presentation this year include invertebrates, birds, and marine mammals- something for everyone!

The full-day cost is only \$75. That's a full day of top quality education with a take home DVD of all of the cases and their slides at a reasonable price!

You can register for this workshop and pay via e-mail, fax, or snail mail, you chose. If you are e-mailing the information, send it to me at [erika.nilson@seaworld.com](mailto:erika.nilson@seaworld.com).

Otherwise, on the registration form you will find the fax number and our mailing address to send your information.

Find the workshop details on the IAAAM web page here: [IAAAM Histopathology workshop details](#)

And the registration form here: [Histopathology workshop registration form](#)

Erika Nilson  
Pathology Veterinary Assistant  
SeaWorld San Diego

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**40th Annual IAAAM Conference Tentative Agenda**

Hilton San Antonio Hill Country Hotel &amp; Spa, San Antonio, Texas

**Saturday, May 2, 2009**

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07:00 – 09:00	Registration Desk Open
08:00 – 17:00	Board Meeting
08:00 – 17:00	Pathology Workshop – Dr. Judy St. Leger
08:30 – 16:30	ACZM Preparation Course – Dr. Greg Lewbart, Dr. Jodie Sherrill
15:00 – 19:00	Registration Desk Open
18:00 – 22:00	Icebreaker at hotel

**Sunday, May 3, 2009**

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07:00 – 08:00	Continental Breakfast
07:30 – 17:00	Registration Desk Open
08:00 – 09:40	Plenary Session
09:40 – 10:00	*Break
10:00 – 11:40	Scientific Session
11:40 – 13:00	Lunch Break
From 12:00	Set up Posters
13:00 – 14:40	Scientific Session
14:40 – 15:00	*Break
15:00 – 16:40	Scientific Session
16:40 – 18:00	General Business Meeting
18:30 – 20:00	Problem Solving Workshop – Dr. Mike Walsh
20:00 – 21:30	Conundrums Session – Dr. Mike Briggs
20:00 – 21:30	Student Workshop (Pizza furnished)

**Monday, May 4, 2009**

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07:00 – 08:00	Continental Breakfast
07:30 – 18:00	Registration Desk Open
08:00 – 09:40	Scientific Session
09:40 – 10:00	*Break
10:00 – 11:40	Scientific Session
11:40 – 13:00	Lunch Break
13:00 – 14:40	Poster Session (Afternoon Break in the poster area)
15:00	Buses depart for San Antonio Riverwalk, dinner on your own
21:30	Buses depart Riverwalk for hotel

**Tuesday, May 5, 2009**

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07:00 – 08:00	Continental Breakfast
07:30 – 09:00	Registration Desk Open
08:00 – 09:40	Scientific Session
09:40 – 10:00	*Break
10:00 – 11:40	Scientific Session
11:40 – 13:00	Lunch Break
12:00 – 13:00	Second Board Meeting
13:00 – 14:40	Scientific Session
15:00	Depart to SeaWorld Tours
19:00	Dinner at SeaWorld - Live and Silent Auctions
23:00	Return to hotel

**Wednesday, May 6, 2009**

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07:00 – 08:00	Continental Breakfast
07:30 – 09:00	Registration Desk Open
08:00 – 09:40	Scientific Session
09:40 – 10:00	*Break
10:00 – 11:40	Scientific Session
11:40 – 13:00	Lunch Break
By 13:00	Break down Posters
13:00 – 14:40	Scientific Session
14:40 – 15:00	*Break
15:00 – 16:40	Scientific Session
18:00 – 19:00	Cocktail Reception
19:00 – 23:00	Awards Banquet

**Thursday, May 7, 2009**

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09:00 – 12:00	Aquatic Animal Ophthalmology Workshop/Wet Lab (at SeaWorld)
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## **PROPOSED CHANGES TO THE IAAAM CONSTITUTION AND BY-LAWS**

### **CONSTITUTION**

#### **Article I        Name**

- Section 1        The name of this organization shall be the International Association for Aquatic Animal Medicine (IAAAM), hereafter called the Association.
- Section 2        The Association is defined as an organization of individuals who are professionally involved in the practice of aquatic animal medicine or in teaching and research in aquatic animal medicine or in the husbandry and management of aquatic animals.

#### **Article II        Objectives**

- Section 1        To advance the art and science of aquatic animal medicine and health and promote the free exchange of knowledge in the interest of improving the health care and husbandry of aquatic animals held in human care and the proper conservation and management of aquatic animal resources in the wild.
- Section 2        To provide an organization within which interested and professionally qualified individuals can work together to achieve these objectives.
- Section 3        To provide a setting in which the development of the practice of aquatic animal medicine may be facilitated and enhanced.
- Section 4        To promote the application of the principles of veterinary medicine to aquatic animal disease problems.

#### **Article III       Membership**

- Section 1        Membership of this Association shall be divided into the following categories:
- a. Member
  - b. Student Member
  - c. Life Member
  - d. Honorary Life Member
  - e. Sustaining Member
- Section 2        Qualifications for Membership. Membership shall be limited to:
- a. Member. Persons who are professionally involved in aquatic animal medicine, research or teaching aquatic animal medical science, are engaged in the management of aquatic animals, and support the objectives of the Association as defined in Article II and whom the Executive Board of the Association determines to be eligible as members.
  - b. Student Member. Duly enrolled college or university students, post docs, or interns/residents at AZA accredited or equivalent institutions having an interest in conservation, veterinary practice, research, husbandry or management related to aquatic animals.
  - c. 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.
  - d. Honorary Life Member. Individuals who have made an outstanding contribution to the promotion of aquatic animal medical science and the objectives of the Association.

- e. Sustaining Member. Available on an annual basis to interested individuals or institutions who wish to make financial contributions of \$250.00 or more to sustain the work of the Association.

Section 3 All applications for membership and requests for change in membership status must be approved by the Executive Board.

Section 4 Only Members, Life Members, and Honorary Life Members may vote and hold office in the Association. Student and Sustaining Members are entitled to receive the Association communications and attend scientific sessions of the Association.

#### **Article IV      Officers**

Section 1 The officers of the Association shall be those of President, President-Elect, Past President, Secretary, and Treasurer.

Section 2 The term of office for the President, President-Elect, and Past President shall be one year beginning at the close of the annual business meeting and continuing until their successors are installed. Individuals elected to the office of Secretary and Treasurer will serve a three-year term, which may be renewable for one additional term.

Section 3 The President-Elect shall be installed as President and assume the duties and responsibilities of the President at the end of the business meeting of the annual meeting following the annual meeting at which he/she is elected.

Section 4 The Past President shall become Acting-President to fill out the unexpired term if, for any reason, the President should be unable to fulfill the duties of that office. If both the President and Past President are unable to fulfill the duties of the office of President, the President-Elect shall become Acting President. In such case, the President-Elect shall become eligible to serve his or her own full term as President. The Executive Board shall fill other vacancies, which might occur.

#### **Article V      Executive Board**

Section 1 The Executive Board Shall be composed of eight (8) members: The five officers and three other qualified members elected at large at the annual meetings. One of these positions will be designated to fulfill the role of Communications Advisor. A majority of the members of the Executive Board shall, at all times, be Doctors of Veterinary Medicine.

Section 2 Elected at large Board Members shall serve three-year terms and shall be eligible for re-election for one additional term.

Section 3 Terms of office for the Executive Board members shall begin at the close of the annual business meeting and continue until their successors are installed.

Section 4 The Board shall be the executive body of the Association and shall have the responsibility of administering Association affairs.

#### **Article VI      Meetings**

Section 1 The time and place of the regular annual meeting and of all special meetings shall be chosen by the Executive Board.

Section 2 All members shall be given at least thirty (30) days notice, either electronically or via a postal service, of the time and place of meetings.



**Article VII      Amendments**

Section 1      Amendments to the constitution may be affected by two-thirds of the voting members at a regular or special business meeting. Proposed amendments may be listed on the official Association website, with an electronic or postal notice being sent at least thirty (30) days prior to the meeting and the balloting. Those members unable to attend the meeting may cast their ballots by mail. Mail-in ballots must be received by the Secretary no later than ten (10) days prior to the meeting to be counted along with those ballots cast at the meeting by the members present.

Section 2      Amendments to the constitution may also be affected by two-thirds of the voting members through a postal vote. Proposed amendments will be mailed to all voting members or listed on the official Association website at least thirty (30) days prior to the postal vote. The Secretary shall mail ballots to the members eligible to vote. Members must return their ballots to the Secretary within 20 days of the transmittal of ballots.

Proposed amendments to this Constitution initially shall be considered by the Executive Committee. Upon a unanimous vote by the Executive Committee to formally consider the amendment(s), the proposed amendment(s) shall be submitted to the full membership for their action by one of the following mechanisms, at the discretion of the Executive Committee.

Proposed amendments shall be placed on the agenda of the Annual Meeting or any Special Meeting of the Association called for this purpose. All Association members in good standing shall be given notification of the proposed amendment(s) not less than thirty (30) days prior to the meeting at which the amendment(s) are to be considered. The required notification may be effected by a postal distribution of the proposed amendment(s) or by a listing of the proposed amendment(s) in the Members Section of the Association Website. Amendments shall be adopted upon a 2/3rds majority vote in favor of the amendment(s) cast by those members present and voting at a duly authorized Annual or Special Meeting of the Association. OR

Proposed amendment(s) shall be considered by the Association members in good standing utilizing an electronic balloting system by which votes shall be cast electronically within a twenty (20) day period immediately following termination of the thirty (30) day notification period as defined in Article VII, Paragraph A above. Amendments shall be adopted upon a 2/3rds majority vote in favor of the amendment(s) of those votes cast electronically providing at least 51% of the Association members in good standing cast an electronic ballot within the twenty (20) day voting period. Failure to receive votes from at least 51% of the members eligible to vote shall constitute a failure of the motion to amend.

As amended (**will need new date here**)



**BY-LAWS****Article I      Membership**

- Section 1      Membership applications shall be submitted to the Executive Board member in charge of membership issues on a form authorized by the Association, signed by the applicant and at least one member in good standing, and be accompanied by a resume or curriculum vitae.
- Section 2      The Executive Board member in charge of membership will act upon applications for membership based in accordance with the decision of the Executive Board as defined in Article III, Section 2a of the Constitution.
- Section 3      Membership in this Association shall be terminated by the Executive Board for the following reasons:
- a.      For conduct unbecoming a professional individual.
  - b.      For nonpayment of dues by March 1.
  - c.      When requested by the member.

**Article II      Dues and Finances**

- Section 1      The fiscal year of the Association shall begin on July 1 and end on June 30. Members shall pay annual dues for the next fiscal year in an amount specified by the Executive Board of the Association at the Annual Meeting of the current fiscal year in accordance with Article IV, Section 1. All dues shall become payable by March 1 of the current fiscal year. The Executive Board shall be authorized to waive membership dues partially or entirely in cases of hardship and upon retirement because of age.
- Section 2      No part of the net earnings of the Association shall inure to the benefit of or be distributed to its members, trustees, officers or other private persons, except that the Association shall be authorized and empowered to pay reasonable compensation for services rendered and to make payments and distributions in furtherance of the purposes set forth in Articles II and III, hereof, and reimburse the Executive Board for reasonable expenses, excluding salaries, associated with the execution of their duties set forth in Article III. No substantial part of the activities of the Association shall be the carrying on of propaganda, or otherwise attempting to influence legislation, and the Association shall not participate in, or intervene in (including the publishing or distribution of statements) any political campaign on behalf of any candidate for public office. Notwithstanding any other provision of these articles, the Association shall not carry on any other activities not permitted to be carried on (a) by an Association exempt from Federal income tax under Section 501(c) (3) of the Internal Revenue Code of 1954 (or the corresponding provision of any future United States Internal Revenue Law) or (b) by any Association, contributions to which are deductible under Section 1760(c)(2) of the Internal Revenue Code of 1954 (or the corresponding provision of any future United States Revenue Law).
- Section 3      Upon the dissolution of the Association, the Executive Board shall, after paying or making provision for the payment of all of the liabilities of the Association, dispose of all the assets of the Association exclusively for the purposes of the Association in such manner, or to such organization or organizations organized and operated exclusively for educational or scientific purposes as shall at the time qualify as an exempt organization or organizations under Section 501(c)(3) of the Internal Revenue Code of 1954 (or the corresponding provision of any future United States Internal Revenue Law) as the Executive Board shall determine. Any of such assets not so disposed of shall be disposed of by the court of Common Pleas of the country in which the principal office of the Association is then located, exclusively for such purposes or to such

organization or organizations, as said Court shall determine, which are organized and operated exclusively for such purposes.

### **Article III      Duties of Officers**

Section 1      The President shall preside at all meetings; shall serve as Chairman of the Executive Board; shall appoint all committees and at the conclusion of his/her term of office, shall serve for 1 year as a member of the Executive Board.

Section 2      The President-Elect shall:

- a.    Become Acting-President to fill out the un-expired term if, for any reason, the President and Past President should be unable to fulfill the duties of office.
- b.    Become President of the Association and shall serve as President after the President has completed his/her term of office.
- c.    Serve as Chairman of the Program Committee for the annual meeting.

Section 3      The Secretary shall record complete minutes of any meetings of the Executive Board and the annual business meeting; shall sign all legal documents; and shall be custodian of all properties of the Association. The Secretary is responsible for mailing copies of the proceedings to members who did not attend the annual conference and for correspondence from members of the Association to the board, with libraries and institutions, and with non-members via the website or sent directly to the Executive Board.

Section 4      The Past President shall serve on the Executive Board and shall become Acting-President to fill out the un-expired term if, for any reason, the President should be unable to fulfill the duties of that office.

Section 5      The Treasurer shall make one billing for dues; receive all fees, dues, and contributions; shall pay all debts of the Association subject to approval by the Executive Board; shall prepare a proposed budget for the ensuing fiscal year, and this budget, in final form, shall be, if necessary, modified, and ratified by the Executive Board; shall submit a Treasurer's report for auditing at the annual business meeting; shall prepare a final budget for the coming fiscal year and final accounting of the current fiscal year for publication in the newsletter following the end of the fiscal year; and shall prepare and submit the appropriate tax returns within the required time frames.

### **Article IV      Duties of the Executive Board**

Section 1      The Executive Board shall be the governing body of this Association and as such shall act on behalf of the membership between scheduled meetings of the organization; shall give majority approval of all bills; shall act upon all membership applications; shall act upon all petitions for Life Member status; shall receive reports of all committees; shall determine the levels of membership Dues to be levied in the year following the current Annual Meeting; shall have the power to remove any member from any appointed post by a simple majority vote by the total board membership or from any elected post by a two-thirds majority vote by the total board membership; shall have the authority to revoke membership in the Association by a unanimous vote of members; shall have the authority to waive membership dues partially or entirely; and shall carry out all other required actions appropriate to its role.

Section 2      A majority of the members of the Executive Board must be present to constitute a quorum.

Section 3      Proposed amendments to the Constitution and By-Laws shall require unanimous approval by the board for transfer to the members for action.

**Article V Meetings**

- Section 1 The annual business and scientific meeting shall be held at appropriate times and places as determined by the Executive Board. Business appropriate for action by the membership shall be considered at the annual meeting.
- Section 2 Special meetings of the membership may be called by the President for the purpose of considering actions requiring decision by the membership. Such meetings shall require a minimum 30 day prior notice concerning the stated purpose, time and place. The time and place of such meetings shall be selected by the Executive Board
- Section 3 Fifteen (15) percent of the membership eligible to vote shall constitute a quorum.

**Article VI Order of Business**

- Section 1 The order of business at the annual meeting shall be as follows:
- a. Call to order
  - b. Reading of the minutes
  - c. Unfinished business
  - d. Board and Committee reports
  - e. New business
  - f. Nominations
  - g. Election of officers
  - h. Induction of officers
  - i. Adjournment

**Article VII Elections**

- Section 1 The Association shall elect (by ballot or other acceptable voting method) at the annual meeting members to fill vacant positions within the Executive Board.
- Section 2 A nomination committee shall be appointed by the Executive Board, and it shall be their duty to prepare a list of agreeable nominees who shall have consented to serve if elected for all elective offices. This list shall be forwarded to all Members, Life Members, and Honorary Life Members thirty (30) days prior to the annual business meeting. Additional nominations may be made from the floor by any Member, Life Member, or Honorary Life Member in good standing.
- Section 3 A majority vote by those members eligible to vote and present at the annual meeting shall be necessary to elect the officers and Board Members from the nominees proposed by the Nominating Committee or by nomination from the floor.

**Article VIII Parliamentary Procedure**

- Section 1 All parliamentary proceedings at the meetings of this Association, its boards or committees shall be governed by Robert's Rules of Order, Revised, except where otherwise provided in these By-laws.
- Section 2 A parliamentarian may be appointed by the President at any regular or special meeting of the Association and shall serve in an advisory capacity.

**Article IX Amendments**

- Section 1 With prior notification by the Executive Board, amendment of these By-laws may be effected by two-thirds of the voting members at a regular or special business meeting providing said

amendment is read at the opening business session prior to the scientific program of the annual meeting or by mailing such amendments to all members eligible to vote at least thirty (30) days prior to such meeting.

## Section 2

With prior notification by the Executive Board, amendments of these By-laws may be affected by two-thirds of the voting members through a postal vote. A postcard will be mailed, at least thirty (30) days prior to the postal vote, to each voting member to inform them that proposed amendments are listed on the official Association website. The Secretary shall mail ballots to the members eligible to vote. Members must return their ballots to the Secretary within twenty (20) days of the transmittal of ballots.

Proposed amendments to these Bylaws initially shall be considered by the Executive Committee. Upon a unanimous vote by the Executive Committee to formally consider the amendment(s), the proposed amendment(s) shall be submitted to the full membership for their action by one of the following mechanisms, at the discretion of the Executive Committee.

Proposed amendments shall be placed on the agenda of the Annual Meeting or any Special Meeting of the Association called for this purpose. All Association members in good standing shall be given notification of the proposed amendment(s) not less than thirty (30) days prior to the meeting at which the amendment(s) are to be considered. The required notification may be effected by a postal distribution of the proposed amendment(s) or by a listing of the proposed amendment(s) in the Members Section of the Association Website. Amendments shall be adopted upon a 2/3rds majority vote in favor of the amendment(s) cast by those members present and voting at a duly authorized Annual or Special Meeting of the Association. OR

Proposed amendment(s) shall be considered by the Association members in good standing utilizing an electronic balloting system by which votes shall be cast electronically within a twenty (20) day period immediately following termination of the thirty (30) day notification period as defined in Article IX, Paragraph A above. Amendments shall be adopted upon a 2/3rds majority vote in favor of the amendment(s) of those votes cast electronically providing at least 51% of the Association members in good standing cast an electronic ballot within the twenty (20) day voting period. Failure to receive votes from at least 51% of the members eligible to vote shall constitute a failure of the motion to amend.

As amended (**will need new date here**)

## **NOMINEES FOR IAAAM BOARD POSITIONS**

### **Nominee for President-Elect: Judy St. Leger, DVM, DACVP (SeaWorld)**

Judy is a long-time IAAAM member interested in all sorts of things aquatic. She is part of the vet team committed to helping wildlife and collection animals at the three SeaWorld parks. Judy is a proud graduate of Cornell University and one of those Aquavet I and II alums. She still thinks that Woods Hole is somehow the center of the universe -and that the Captain Kidd has the coldest and freshest beer anywhere in the world. In those days, Paul Bowser and Don Abt ran Aquavet. Don and Sandy Abt encouraged her to do great things and to appreciate Cape Cod. Dr. Paul Bowser taught her all about Trichodina (and it's protozoal friends) and medicating salmonids. Judy spent three years doing a UC Davis residency in veterinary pathology. Folks like Linda Lowenstine taught her how cool pathology can be in practice.

Judy has spent the past nine years at SeaWorld in San Diego working with a phenomenal team of clinicians and researchers. Her position involves investigating causes of marine species mortality, improving diagnostics, and encouraging students to pursue what they love – because passion feeds the soul far better than anything else. She is interested in helping students to learn what they need and to want something more. Four years ago, she started the Marine Species Histopathology workshop. This workshop brings together pathologists, clinicians, and students for a day of exciting exchange of ideas and cases.

For the past three years, Judy has served as the membership board member for IAAAM and has worked to fund the Medway endowment. This seems like a natural fit – Judy spends a lot of time encouraging students to tackle projects related to marine species. Her perspective on IAAAM is that it represents a unique organization committed to advancing what we know about and how we manage marine species. The connections from this organization build the foundation professionals involved in aquatics across the globe. Judy attends the IAAAM meetings with her husband, Marc. Marc is more fun than her, but she knows all of the big vet words. Lately, Judy has been looking at ways to help reef fish populations – ask her about it. She'll talk your ear off....

### **Nominee for Board - Membership: Cindy P. Driscoll, DVM (Maryland Department of Natural Resources)**

Dr. Cindy P. Driscoll is the first Fish & Wildlife Veterinarian for the Maryland Department of Natural Resources. Her responsibilities cover the health and disease issues for all natural resources in the state and her Fish & Wildlife Health Program is the first of its type on the East Coast. The Fish & Wildlife Health Program consists of four components: responding to morbidity and mortality investigations, monitoring selected diseases, conducting research to answer management questions, and developing outreach materials to train biologists and disseminate information to state, federal partners as well as the public. She has obtained numerous grants for fish, wildlife, marine mammal and sea turtle health and disease investigations, including surveillance for West Nile Virus, Chronic Wasting Disease, and Avian Influenza. Additionally, she received the first grant from the Department of Homeland Security for wildlife investigation and capacity building, and infrastructure development.

Prior to her work with the State of Maryland, she was the first marine mammal veterinarian for the U.S. Department of Commerce, Office of Protected Resources, Silver Spring, MD. Working with aquarium veterinarians, researchers and marine mammal stranding facilities around the nation she reviewed operational protocols, scientific research proposals, and collaborated on health and disease investigations. She trained stranding network members in methods of appropriate sample collection through regional workshops. Additionally she developed critical policy documents for protected marine species for agency officials.

Dr. Driscoll is also an active teacher and mentor to undergraduate and veterinary students. She has been a Clinical Instructor / Wildlife Diseases at the University of Maryland, College Park for eighteen years. This innovative course is unique to the University of Maryland and brings in lecturers from the various disciplines of wildlife medicine and pathology to instruct the students and introduce them to laboratory techniques in wildlife investigations. She also serves on the interview team for veterinary student candidates for the Virginia - Maryland Regional College of Veterinary Medicine (VMRCVM). Dr. Driscoll is a participating faculty member for two veterinary training courses: AquaVet in Woods Hole, MA; she has also participated in the MarVet / Grand Cayman Island training course. Both courses are designed to provide material and courses to veterinary students that pursue additional education in aquatic medicine not taught in traditional veterinary school settings. Dr. Driscoll

also provides marine mammal/ sea turtle/ wildlife lectures and necropsy labs for the Special Species Symposium & Exotic Species Symposiums at the University of Pennsylvania and VMRCVM. She has also provided veterinary services for over twenty years for the USGS Patuxent Wildlife Research Center, a federal research facility in Laurel, MD for migratory birds and captive endangered species propagation. Dr. Driscoll is a member of the American Veterinary Medical Association and serves on the Committee on Environmental Issues as the representative for IAAAM and aquatic veterinarians. She is a long-standing member of the International Association of Aquatic Animal Medicine and the Wildlife Disease Association and past-president of the Eastern Shore Veterinary Medical Association.

### **Nominee for Board - Treasurer: Pamela A. Tuomi, DVM (Alaska SeaLife Center)**

**Education:** Doctor of Veterinary Medicine, Washington State University -1970

Dr. Tuomi developed her interest in wildlife and exotic animal medicine while working as a veterinary student, and continued as a small animal practitioner and clinic owner and , since 1997, as the Senior Veterinarian at the Alaska SeaLife Center with special interest in marine animal medicine. She is a member of Association of Avian Veterinarians, the American Association of Wildlife Veterinarians and the International Association of Aquatic Animal Medicine. During the 1989 Exxon Valdez Oil Spill Wildlife Rehabilitation effort, Dr. Tuomi worked at Otter Rehabilitation Centers in Alaska as staff veterinarian responsible for medical care and monitoring of oil contaminated sea otters from capture through release. Since that time, she has remained active in ongoing marine mammal research in Alaska and in development and publication of information related to marine animal medicine and oil spill rehabilitation. She has worked as a veterinary consultant while continuing regular duties as a full time veterinarian supporting animal health and research at the Alaska SeaLife Center . Project participation has included sea otter, harbor and Weddell seal, Steller sea lion and eider duck capture, surgery, health assessment and necropsy projects in Alaska, Canada, and Antarctica.

## **PROFESSIONAL AND EDUCATIONAL OPPORTUNITIES**

### **Aquatic - Exotic Animal Medicine Internship**

The National Aquarium in Baltimore is offering a one year veterinary internship. The collection is approximately 16,000 animals (700 species): invertebrates, fresh and salt water fishes, amphibians, reptiles, birds, and mammals, including bottlenose dolphins.

The intern is integral to all aspects of animal medicine and surgery including daily interaction with husbandry personnel, physical examination and sample collection, diagnosis, routine and emergency medical treatment, radiology, anesthesia, surgery, and clinical pathology. In addition, interns have primary responsibility for daily case management of Marine Animal Rescue Program stranded animals (generally 2-5 seals and 1-3 sea turtles annually). Exceptional communication skills are essential.

#### **Qualifications/Basic Job Requirements:**

- Required - Veterinary Degree (DVM, VMD) from accredited university;
- Desired - 1-year clinical veterinary internship in small animal or large animal medicine, demonstrated proficiency in aquatic animal medicine, ability to obtain Maryland veterinary license.

**Job Time Frame:** June 22, 2009 to June 18, 2010

**Application:** Interested applicants should submit a letter of intent, curriculum vitae, school transcript, and three letters of reference to:

Dr. Leigh Clayton, Director of Animal Health  
National Aquarium in Baltimore  
501 E. Pratt St.  
Baltimore, MD 21202  
phone (410) 576-3853  
email [mmartin@aqua.org](mailto:mmartin@aqua.org)

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### **Contract Aquatic Research Associate**

EPCOT'S THE SEAS, WALT DISNEY WORLD RESORTS®

**Description:** Responsible for supporting aquatic animal-related research, including studies with water chemistry dynamics, invertebrates, fish, and sea turtles. Responsibilities will include study design, manufacture of research tools and systems, husbandry care of research animals, ordering supplies for research-related activities, data collection, and scientific interpretation/presentation of results to the scientific community and to the park's guests. Individual will work in partnership with Life Support and Aquarium Husbandry personnel.

**Contract Term:** 1 year (including a 6-month probation period), renewable for a second year.

#### **Major Duties and Responsibilities:**

- Conduct and analyze research projects as directed by Research Scientist to support the animal collection; focus will be in water chemistry dynamics as they relate to fish health; provide weekly summaries
- Provide daily husbandry of research animals
- Communicate research results at quarterly staff seminars and conferences as well as in scientific journals and popular publications (at least one publication per year)
- Develop and implement innovative ways to share research results with guests and popular audience; weekly presentations to guests



- Secondary Responsibilities: must demonstrate interest and capability to help support fish and marine mammal husbandry/behavioral/cognition studies

**Qualifications:**

- Masters Level Thesis in chemistry or biology related field desired
- Experienced in experimental design as well as parametric and non-parametric statistics
- Knowledgeable in the biology and husbandry of aquatic organisms
- Knowledgeable in the field of water chemistry dynamics
- Excellent oral and written communication skills
- Ability to work with others in a team-oriented atmosphere
- Demonstrated abilities to initiate, develop, and complete scientific research projects
- Familiarity with computer programs, such as Access, SPSS, EXCEL, and Adobe Photoshop

**Desired Qualifications:**

- Zoo and or aquarium experience
- Experience in education programming, education of general public, children
- Network with academic, conservation, and zoo/aquarium communities

**Typical Physical Demands:**

- Engage in fairly vigorous physical activity most of the day (i.e. traveling throughout the aquarium collecting research-related samples).
- Overall must be in good physical condition and be able to lift 50 pounds.

Please mail or email cover letter, curriculum vitae and three letters of reference by March 1st, 2009 to:

Andrew Stamper D.V.M., Dipl. A.C.Z.M.  
Research Biologist/Clinical Veterinarian  
Epcot's The Seas  
Walt Disney World Resorts  
EC Trl. W-251  
2020 North Avenue of the Stars  
Lake Buena Vista, FL 32830-1000  
andy.m.stamper@disney.com

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## **Postdoctoral Research Associate in Molecular Virology**

**Location:** San Diego, California

**Salary Range:** \$35,000 - \$42,000 per year (plus benefits)

**Application Deadline:** 15 April 2009

**Program Description:** Our laboratory consists of a group of veterinarians and molecular biologists with an interest in marine mammal health. The lab has facilities at both the Hubbs-SeaWorld Research Institute (HSWRI, San Diego, CA) and the University of Florida (Gainesville, FL). The position is in the HSWRI laboratory in San Diego. We work in close collaboration with SeaWorld Adventure Parks, the U.S. Navy Marine Mammal Program and Columbia University on various aspects of viral diseases of bottlenose dolphins and California sea lions. The mission of our lab is to discover novel viruses and explore the veterinary relevance of newly discovered viruses via extensive disease investigations using multiple managed and free-ranging marine mammal populations. Recent pathogen assessments include, but are not limited to poxviruses of seals, sea lions and dolphins, dolphin parainfluenzavirus type 1, San Miguel sea lion virus, dolphin enterovirus, and herpesviruses of whales and dolphins.

**Job Summary:** The successful candidate will work under the supervision of an HSWRI Research Biologist, and two Principal Investigators. The purpose of this position will be to participate in all aspects of the detection and genetic characterization of novel viruses. Specifically, the post-doc will be involved in processing of clinical samples, the screening of clinical samples using electron microscopy, specific and degenerate PCR, 454 pyrosequencing and panviral microarray. The post-doc will participate in the preparation for manuscripts on virus characterizations. The appointment will initially be for one year, with the possibility of a one-year extension.

**Qualifications:** The candidate should have a Ph.D. in a relevant field granted within the past 5 years. Previous experience with the genetic characterization of organisms, especially viruses, and a thorough understanding of molecular characterization techniques is required. Required skills include direct sequencing, sequence editing, sequence analysis, and primer design. Experience with cloning, phylogenetic analysis and preparation of samples for microarray is preferred.

**Application Materials and Contact information:** Please send curriculum vitae and a 2 page letter of intent with a description of research accomplishments and interests, relevant experience, along with the names and telephone numbers of three references to: Postdoctoral Research Associate Program, Hubbs-SeaWorld Research Institute, 2595 Ingraham Street, San Diego, CA 92109. Application materials and questions may be submitted electronically to: [HR@hswri.org](mailto:HR@hswri.org). Applicants should indicate a preferred start date.

Contact: Dr. Pamela Yochem  
Phone: 619-226-3870

Hubbs-SeaWorld Research Institute is an Equal Opportunity Employer.

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## AVMA Committee Nomination

The AVMA Committee on the Human-Animal Bond is looking for an interested person to be nominated for the position that represents zoos, aquaria and wildlife to replace Don Stremme. If you are interested, please contact him at [iaaamdws@aol.com](mailto:iaaamdws@aol.com).

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## Tuition Waiver Fish Health Medicine Program, UW School of Veterinary Medicine

Aquatic animal diseases are emerging as a critically important concern across the US, and remain one of the most important factors threatening the aquaculture industry. On October 24, 2006, in response to the discovery of VHS in the Great Lakes Region, USDA APHIS issued an emergency order to prevent the spread of VHS into aquaculture facilities or additional bodies of water. The order prohibited the importation of 37 species of live fish into the US from two Canadian provinces and the interstate movement of these same species from eight states bordering the Great Lakes. Since that time, USDA APHIS has issued Federal Orders restricting the movement of fish from the VHS-infected areas.

In effort to increase the numbers of qualified aquatic animal specialists availability to the aquaculture industry in the North Central Region US, a tuition waiver has been made available for the on-line portion of the Fish Health Medicine Program offered by the University of Wisconsin School of Veterinary Medicine.

Qualified accredited veterinarians electing to take the course will receive:

- \* Full tuition waiver
- \* 5 CE credits
- \* Fish Health Certificate upon completion

The on-line course consists of 5 fish health modules developed by experts in the field of aquatic animal health:

1. Introduction
2. Risk Management
3. Water Quality and Fish
4. Inspections
5. Assessments

**Tuition waver deadline May 7, 2009.**

Qualifications to take the course: Interested participants must be a licensed accredited veterinarian (9 C.F.R. PART 161) and must reside in one of the following states: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, or Wisconsin.

This offer is being funded through the North Central Regional Aquaculture Center (NCRAC) in cooperation with the Ohio State University. For questions on the course see [http://www.vetmedce.org/Fish\\_Disease\\_Courses/137244](http://www.vetmedce.org/Fish_Disease_Courses/137244).

To enroll in the course or for additional questions contact Chris Weeks, Regional Aquaculture Extension Specialist at [weekschr@msu.edu](mailto:weekschr@msu.edu) or call 517-353-2298.

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## Health Management of Laboratory Fish

Mount Desert Island Biological Laboratory Bar Harbor, Maine – 24 – 28 August 2009

Applications are being accepted for this 1-week educational opportunity for individuals with maintenance, management or research responsibilities in which fish are used as laboratory animals.

**APPLICATION DEADLINE - JULY 15.**

The course is offered at the Mount Desert Island Biological Laboratory, Salisbury Cove, Maine during the period of 24 - 28 August 2009. Topics to be discussed will include general system design and water quality management, anatomy and histology of fish, general fish diseases and disease management strategies. Infectious and non-infectious diseases common to all fish as well as specific diseases of importance to laboratory-maintained zebrafish will be discussed. The course will consist of lecture, laboratory exercises and discussions. During the course there will be an opportunity for students to discuss unusual and/or unsolved diagnostic case experiences from their home laboratories as problem-solving exercises. The course should be particularly valuable to technical staff, graduate students, postdoctoral fellows, junior faculty and investigators needing skills to monitor the health of a colony of aquatic organisms.

For more information on the course, please see the course web site at:  
<http://www.mdibl.org/courses/fishhealth09.shtml>

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## **MEETINGS, CONFERENCES & EVENTS**

**34th Annual Eastern Fish Health Workshop**, High Peaks Resort, Lake Placid, New York. Apr 27 - May 1, 2009 {[More Info](#)}

**40th Annual IAAAM Meeting and Conference**, Hilton Hill Country Resort and Spa, San Antonio, TX. May 2 - 6, 2009 {[Conference Web Page](#)}

**AQUAVET® I & II**, Marine Biological Laboratory, Woods Hole, MA. May 17 - June 13, 2009  
89th Annual Meeting of the American Society of Mammalogists, Fairbanks, AK. June 24-28, 2009

**The 2009 International Academic and Community Conference on Animals and Society** - Minding Animals, Civic Precinct, Newcastle, Australia. July 13 - 18, 2009 {[More info](#)}

**International Aquaculture Biosecurity Conference**: Practical Approaches for the Prevention, Control and Eradication of Disease, Trondheim, Norway. August 17-18, 2009 ([Website](#))

**ACZM Board Certification Examination**, University of Tennessee, College of Veterinary Medicine, Knoxville, TN. Sept 18 – 20, 2009 {[ACZM website](#)}

**18th Biennial Conference on the Biology of Marine Mammals**, Québec City, QC, Canada. October 12-16, 2009 ([Website](#))

**41st Annual IAAAM Meeting and Conference**, Vancouver, BC, Canada. May 8 - 12, 2010 {[Vancouver Aquarium Web Site](#)}

**IUCN XI<sup>th</sup> International Otter Colloquium**, Pavia, Italy. September 1 - 5, 2010 {<http://www.otterspecialistgroup.org/>}

## **OTHER ITEMS OF INTEREST**

### **Recent Advances In Zoo And Wild Animals Health & Management Book**

ed.by Dr.B.M. Arora, Dr. A.K. Srivastava      \$ 70.00 (INCL. POSTAGE)

#### **ABOUT THE BOOK**

The book "Recent Advances in zoo and Wild Animals Health and Management" has been compiled to disseminate the scientific and technical advancement among scientists, researcher, conservationists and policy makers working in the field of zoo and animals health and management.

Content of the book has been compiled from the selected invited lead papers either presented in or published proceeding of international congress on "Advances in zoo and wild Animals Health and Management" held at Jammu, india in April,2007. The contributors of the papers are persons having vast experience in thier field.

In recent years there have been significant development in scienific and technical knowledge indifferent aspect of zoo and wild animals health and management, the same has been compiled and presented in the form of book.

Our mission will be accomplished if this book finds its way into the hands of those working in the concerned field to update their knowledge and relieve suffering of these animals and save them.

For more informaiton please contact:

M/s.Shyam Book Distributors  
25, Ganesh Nagar, Niwaru-Nangal by pass Road,  
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JAIPUR-302 012(INDIA)

(M) +91 9460553022

(MI)E-mail: [Shyambookdistributors@rediffmail.com](mailto:Shyambookdistributors@rediffmail.com)

## **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:

Judy St. Leger, DVM  
SeaWorld of California  
500 SeaWorld Drive  
San Diego, California 92109

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 Judy St. Leger at judy.st.leger@seaworld.com.

## **IAAAM EXECUTIVE BOARD**

### **President**

Tom Reidarson (Tom.Reidarson@SeaWorld.Com)

### **President-Elect**

Craig Harms (caharms@ncsu.edu)

### **Past-President**

Don Stremme (IAAAMdws@aol.com)

### **Treasurer**

Julius Tepper (cypcarpio@aol.com)

### **Secretary**

Lisa Mazzaro (lmazzaro@MysticAquarium.org)

### **Board-Membership**

Judy St. Leger (judy.st.leger@seaworld.com)

### **Board-Communications**

John C. Jones (admin@iaaam.org)

### **Board-Education**

Fiona Brook (fmb@resoundinternational.org.uk)

## **HONORARY LIFE MEMBERS**

Don Abt  
Lanny Cornell  
Jack Gratzek  
Jay Hyman  
Bob Wright  
Jesse White\*

Deke Beusse  
Joe Geraci  
Ted Hammond  
Sam Ridgway  
William Medway\*

\*deceased

## **IAAAM COMMITTEE CHAIRS AND/OR REPRESENTATIVES**

### **IAAAM Nominations and Awards**

Don Stremme (IAAAMdws@aol.com)

### **IAAAM Site Selection**

Sam Dover (sdoverdvm@cox.net)

### **IAAAM Student Liaison**

Lisa Murphy (murphylp@vet.upenn.edu)

### **Student Endowment Oversight Committee**

Tracy Romano (tromano@MysticAquarium.org)