



IAAAM News

Volume 39, Number 3, August 2008

John C. Jones, Ph.D. Editor

<http://www.iaaam.org>

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.

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A Letter from the President

The success of the IAAAM is rooted on the free exchange of wisdom, experiences, and knowledge between individuals involved in wild aquatic species and those under the care of man. The membership is comprised of an eclectic mix of interests and expertise which makes this organization one of the most unique and the attendees of the 2008 Annual Meeting hosted by Zoomarine Roma were no exception.

I can't speak for everyone but from the electronic evaluations and emails I received following the meeting it appears that we pulled off a stellar conference! If not for the generosity and professionalism of our Zoomarine hosts, Pedro Lavia, Sonia Azinhais, Cristina Pilenga and many of the Zoomarine staff, I'm afraid the outcome would have been much different. Many thanks to thank our keynote speaker, Dr. Ezio Amato, the State-of-the-Art presenters, the 91 session speakers, and the 25 poster presenters who whose presentations helped to craft one of the most enlightening meetings in IAAAM's history. The dedication shown by the members of this organization is truly remarkable.

Change is good and this year should have plenty of good change. Having not received any negative comments about the lack of printed proceedings for the meeting bodes well for the future of electronic proceeding. Many thanks to Veterinary Information Network and to you for saving a forest. For those of you who still need a proceedings they are now available from the eStore of Omnipress. Many thanks to John Jones for serving as our webmaster for more years than I can remember. As you probably know John helped us turn this job over to Affiniscape and then we presented him with another daunting job of Communications Board Member. Well done, John. If you haven't already surfed the new website I urge you to as soon as possible, especially if you haven't paid your dues.

And if you haven't renewed your membership Judy St. Leger tells me that you are likely not a current member. Judy also reminded me to ask everyone to make a donation to the Bill Medway Endowment Fund to promote student activities in the IAAAM. Our goal is to match the \$55,000 pledged by Drs. Jay Sweeney and Jay Hyman by the end of 2008. Currently we are nearly half way there, so click on the link located on the front page of the IAAAM website and please be generous.

At this year's banquet the past presidents were asked to come forward for a picture. Personally it was an honor to stand with these people whose efforts have made the IAAAM what it is now and whose continued efforts help shape its future. Becoming the president is a bit intimidating, however I am comforted in the knowledge that I can contact any of them any time and receive their advice and wisdom. Please do not hesitate to contact me anytime, with any issue, so I can better represent you. In order to not receive the "Are You Dunn" award for writing I close by wishing you and your family all the best in the coming year.

Yours truly,

Tom Reidarson
IAAAM President

A Letter from the New IAAAM Communications Board Member

As many of you have already know, the IAAAM has been moving towards electronic communications for the last few years. With the move from our previous web hosting service to our new contractors, many aspects of IAAAM administration is moving online as well. Due to the decrease in demand for printed copies of *IAAAM News* and increased need for electronic distribution of IAAAM information, the newsletter editor and website manager positions have been merged.

New Website Services

As of July 1st, 2008, we have officially moved our website operations from Aplus.net to Affiniscape. Aplus.net provided only server and email space on which our website was located. All of the management of the website was done by me including providing and retrieving logon passwords. Membership data was maintained individually by the membership chair and all payments were processed manually by the treasurer. The security of the site was quite primitive and we were hacked in May 2008 allowing malicious software to download onto member's computers.

With the contracting of Affiniscape, a web-hosting company located in Austin, TX, we now have a full featured administrative service including website, membership maintenance and online payment processing with state of the art security measures. Many features you have grown accustomed to on other websites are now available to us. The clerical responsibilities of the board members have been reduced and more control has been given to members regarding their profiles. The use of a common database with restricted administrators now allows features such as: password retrieval, member updated profiles and online member directory. Upcoming features will give IAAAM more control over conference registration, abstract submissions and the potential sale of available merchandise.

Distribution of IAAAM News and other Communications

For the foreseeable future, a PDF version of *IAAAM News* will continue to be published and posted on the website as well as mailed to select IAAAM members. This will serve as an organized archive of reports, news, events, etc. for the membership. Current information will also be published on the website in a variety of places. Current news will be posted on the home page as before, events including conferences and educational opportunities will be posted on the home page and in the calendar, job openings, internships and residencies will be posted in the job bank (members only), and dues renewal notices will be emailed using your preferred email address. Please visit the website at <http://www.iaaam.org>.

I hope that I can serve you well as the communications board member and feel free to contact me if you have any questions or comments (admin@iaaam.org).

Sincerely,

John C. Jones, Ph.D.

IAAAM Executive Board - Communications

2009 IAAAM Conference Overview

by Les Dalton

The 40th annual IAAAM Meeting and Conference will be held Saturday May 2, 2009 – Wednesday May 6, 2009 at the Radisson Hill Country Resort and Spa in San Antonio, TX.

The hotel cost will be \$144.00/night and the conference rates at the hotel will start on April 29 so that you can come early and enjoy San Antonio. There will be free shuttles to SWSA and free buses to Riverwalk will be available one of the afternoon/evenings. SWSA will be open Thursday 4/30 – Sunday 5/3/2009 with an activity on one afternoon/evening and the ice breaker will be on Saturday, May 2.

Seaworld San Antonio Facts

- Opened in 1988
- 250 ACRES
- Animal collection
- 391 species with 5,588 specimens
 - Mammals – 10 species; 118 specimens
 - Birds - 67 species; 570 specimens
 - Fish - 314 species; 4,900 specimens
- Two coasters
- Numerous exhibits
- Shows – Shamu, Viva, Sea Lion, Waggin' Tales, Ski, 4D theater
- Water areas – slides, wave pool, children's area, Journey To Atlantis
- Texas entered the union as the 28th state on Dec. 29, 1845. It was settled in 1682.
- San Antonio was the largest city in the state from 1900 to 1920 and is the 7th largest city in the US.
- It has been described as one of the 4 unique cities in the US along with Boston, New Orleans, and San Francisco.
- Population – roughly 1.5 million

Things to do in San Antonio

- Riverwalk, Paseo del Rio – 1.5 miles of cool, shady, walks with shops, cafes, restaurants, and clubs
- The Alamo – 180 vs thousands – 2/24 – 3/6/1836
- Tower of Americas – from Hemisfair '68
- SA Botanical Gardens – 33 acre horticultural facility
- El Mercado, the old marketplace – touch of Mexico
- SA Zoo
- Sunken Gardens – Japanese gardens
- Menger Hotel – Teddy Roosevelt recruited Rough Riders here
- Texas Institute of Texan Cultures
- Mission Trail – 5 missions from 1718 - 1741
- Movie theaters – 34
- Restaurants – 3,335
- Public golf courses w/in 30 miles – 65
- Park acres – 19,755
- Libraries – 42
- Museums accredited by AAM - 4

For more information, visit <http://www.seaworld.com/sanantonio/>

The Bill Medway Endowment

by Judy St. Ledger, Executive Board - Membership

In 2006, inspired by the excellent student work presented at the IAAAM meeting in the Bahamas, the call for initiation of the Bill Medway Endowment was launched. Dr. Medway was one of the founding members of the IAAAM and namesake for the Bill Medway Award for Excellence in Teaching. He was one of the first marine mammal veterinarians and had a major impact on the lives and careers of many IAAAM members.

The purpose of the Medway Endowment Fund is to provide funding to promote student activities related to the mission of the IAAAM.

The Endowment has a goal of reaching \$110,000 in gifts by December of 2008. This is an attainable goal. Dr. Jay Hyman has pledged a \$50,000 matching contribution. Dr. Jay Sweeny has pledged a \$5,000 matching contribution. With donation commitments like this, the goal is within reach. It is the goal of this fund raising drive to realize \$55,000 in donations to meet the goals of the Endowment plan.

How can I help?

Each IAAAM member is asked to donate to the endowment. IAAAM is a 501c3 organization. All donations are tax deductible. Members can make donations by:

1. Sending a check made out to the IAAAM to: Dr. Judy St. Leger, SeaWorld, 500 SeaWorld Dr. San Diego, CA 92109. Please write "Medway Endowment" in the message line. A receipt will be sent to you electronically.
2. Donate on line using the IAAAM website. Starting in August, the IAAAM website will have an area where you can click and donate – what could be simpler! There will be a secure web page to make credit card donations on line.

Members can also help with fund raising in a less direct, but just as important way:

1. Have a Bake Sale
2. Have a Car wash
3. Have a Student auction
4. Suggest names of companies or facilities and contact folks that benefit from the work of IAAAM or its members.

Dr. St. Leger is happy to help with fund raising projects or recommendations. Please feel free to contact her with ideas and suggestions at Judy.st.leger@seaworld.com

Editor's Note: The auction at the IAAAM meeting in May raised \$3200, which is going to be used to jump start raising matching funds for the Medway Endowment.

2008 IAAAM Conference Student Presentation Awards

by Lisa Murphy

The first place award in the category of **Best Presentation by a Postdoc, Resident, or Intern** went to **Patricia Gaffney** for her presentation entitled “Pathologic, microbiologic, and epidemiologic characterization of *Pseudomonas* sp. in California sea lions and Pacific harbor seals”. Second place in this category was awarded to **Cara Field** for “Disseminated fungal infection in a California sea lion with detection of cystofilobasidiomycete DNA”

In the category of **Best Presentation by an Undergraduate, Master’s, or PhD Student**, first place was awarded to **Terry Ng** for “Discovery of a novel anellovirus from a mortality event of four captive California sea lions using viral metagenomics” and second place went to **Brianne Phillips** for “The cell surface protein CD56: evolution of and implications for immunity in the bottlenose dolphin.”

William Medway Award for Excellence in Teaching - Dr. Ruth Francis-Floyd

by Laurie Gage

Dr. Ruth Francis-Floyd won the William Medway Award this year for Excellence in Teaching. Dr. Francis-Floyd has taught at the University of Florida since 1987 and is presently a Professor and Program Director in the Department of Large Animal Clinical Sciences and Director of Aquatic Animal Health programs. She has conducted dozens of laboratory workshops over the years and mentored over 50 graduate students, veterinary students and residents. She has taught clerkships, classes, and short courses in a variety of topics from fish medicine, ecology and aquatic pathobiology to marine mammal medicine and aquaculture annually for the past 11 years. She is a Diplomate of the American College of Zoological Medicine for which she has taught three ACZM Board Preparation Short Courses since 1997. She served as the President of IAAAM in 1990.

This award is given to an individual who, in his/her activities within the past 10 years, has made a significant impact on teaching aquatic sciences of one or more species or all of the following areas: clinical education, clinical scientific research, conservation, management of wild or captive aquatic species.

This award is given in the honor of Dr. William Medway who taught clinical pathology and zoological medicine at the University of Pennsylvania School of Veterinary Medicine for thirty years (1958-1988). Dr. Medway was a pioneer in the field of marine mammal medicine and a charter member of the IAAAM.

Treasurer's Notes for 2007-2008 Income/Expense Report and 2008-2009 Budget

by Julius M. Tepper, IAAAM Treasurer

In this newsletter you will find the annual income/expense summary for the last year (2007-2008) as well as the budget estimate for the coming fiscal year (2008-2009). Keep in mind the fiscal year is from July 1 to June 30 when considering this information. I have created a report that will make it easy to understand our cash flow needs. I have arranged items to show income first and expenses afterwards. Several expenses from the last fiscal year, including the payment to Omnipress for proceedings preparation, were also paid. These were expenses that were technically incurred and paid in the previous fiscal year (2006-07), but did not clear the checking account until this fiscal year. This accounts for the difference in the cash on hand compared to the profit and loss statement.

Auction Proceeds – We attempt to raise money for student awards each year. The Executive Board allocates money from the general fund to pay for these awards, as well as other student programs. The auction proceeds forms the basis for these allocations.

Web Labs – Some years we have expenses and/or income from web labs. This year we had neither.

CD-ROM Sales – Additional income from outside sources, this category also includes the sale of our printed Proceedings.

Dues – Dues payments were received in the differing amounts based on status and time of payment. These were further categorized into the fiscal year for which they were paid.

President, President-Elect, Secretary and Treasurer Expenses have been grouped with the cost of our Mid-Year Executive Board meeting. This includes postage and other office expenses, plus reimbursements for awards and gifts.

Communications/Publication Committee – The expenses in this category are the fees to maintain the web site, plus supplies as needed.

Awards and AVMA Liaison Committees – Awards are sometimes given out during a conference (not including Student Awards, which is a separate category). Gifts are presented to conference hosts, session chairs and board members leaving the board.

Legal/Professional – This is a new category which encompasses the cost of accounting services and Director's and Officers Insurance fees. expenses for maintaining a checking account and accepting credit cards.

Bank Transactions, Credit Card Fees – We earn some income on the money we maintain in a money market account, and incur expenses for maintaining a checking account and accepting credit cards.

Newsletter – The newsletter expenses are minimal, since these are now sent electronically.

Proceedings, CDs – This includes the cost of the flash drives provided at the Conference, as well as the costs involved with supplying the printed proceedings for those that requested them. Income from selling extra printed proceedings and CDs is noted above. The costs include online collection fees, production costs and shipping and mailing costs.

Student Liaison Committee – No expenses this year.

Student Awards and Expenses – Five students received \$500 each for Tuition Relief in Aquatic Veterinary Learning (TRAVeL). \$1500 was also given out for presentation awards at the Orlando

conference. These presentation awards for 2006-07 were paid in this last fiscal year and are shown for budgetary purposes.

Current Income and Expenses – Income for the year totaled \$24673. This was \$2400 more than anticipated. The Student Auction was again a huge success, netting \$5200. This was considerably more than was projected for a non-U.S. meeting and included the proceeds of our first ever Banquet Collection for the Medway Student Endowment. A round of applause for all those that participated. Although dues income was less than anticipated, a change in the type of Money Market account has bolstered our interest income. Expenses for the year were under budget by about \$3000. Despite unanticipated new costs for legal and professional services, this savings was accomplished by below budget expenses of the Executive Board, and especially from the considerable savings created by the changes made in providing our conference proceedings, thanks to the hard work of President Tom Reidarson.

Donations totaled \$10,072.61. This amount includes \$2000 in donations designated for the Medway Endowment and \$8,072.61 in non-designated donations, which may be used for all tax exempt purposes.

Budget for the Next Fiscal Year 08-09 – The expenses for the next fiscal year are based on the information submitted to me by those members coordinating the different committees and activities of our organization, as well as the estimate of the cost of producing and delivering the proceedings of the Conference. I have projected an income from dues based on our current membership. As the projected deficit for 07-08 never materialized, I have dropped plans for the \$15/member dues increase and recommend the dues remain at the current level for next year. I hope these explanations are helpful.

INTERNATIONAL ASSOCIATION FOR AQUATIC ANIMAL MEDICINE
2007-08 FISCAL YEAR INCOME/EXPENSE SUMMARY showing BUDGET for 07-08
July 1, 2007 to June 30, 2008

06-07 Budget Category	Income, Expenses for 06-	Budget for FY 2007-08 INCOME	EXPENSE	Income, Expenses for 07-	Budget for FY 08-09
Money Market Acct. interest	\$231.03	\$230.00		\$2,547.66	\$2,500
Auction Proceeds	\$6,637.00	\$1,000.00		\$5,200	\$4,000
Misc. Income				\$25	
CD-ROM Sales	\$955.00	\$500.00		\$255	
Dues Total:		\$20,500.00			\$16,500
Dues for Previous FY	\$110			\$150	
Dues for Current FY	\$19,020.00			\$14,745	
Dues for Next FY	\$5,595			\$1,750	
Total Income	\$32,548	\$22,230.00		\$24,673	\$23,000

President	(\$504.24)		(\$500)		
President-Elect	(\$585.54)		(\$600)		
Secretary	(\$233.56)		(\$250)		
Treasurer	(\$68.49)		(\$100)		
Mid-year Executive Board Meeting			(\$6,000)	(\$5,556.06)	(\$2,000)
Commun./Publ. Committee	(\$100)		(\$5,000)	(\$6,214.31)	(\$4,500)
Awards Committee	(\$367.80)		(\$400)	(\$97.11)	(\$100)
AVMA Liaison Committee	(\$103.42)		(\$400)		
Legal/Professional Fees				(\$3,706.25)	(\$2,500)
Bank Transactions, Credit Card Fees	(\$588.98)		(\$600)	(\$665.66)	(\$750)
Newsletter			(\$100)		
Proceedings, CDs	(\$11,034.88)		(\$11,000)	(\$6,178)	(\$6,200)
Student Liaison Committee			(\$50)		
Student Awards and Expenses:					
TRaVeL Awards	(\$3,000)		(\$3,000)	(\$2,500)	(\$3,000)
Paper awards	(\$1,500)		(\$1,500)	(\$1,500)	(\$1,500)
Total expenses	(\$18,086.91)		(\$29,500)	(\$26,417.39)	(\$20,550)
TOTALS FOR THE FY	\$14,461.12		(\$7,270)	(\$1,744.73)	\$2,450

Donations: Designated for Endowment			\$2,000
Donations: Non-designated	\$5,380.93		\$13,453.54
TOTAL:			\$15,453.54

DISTRIBUTION OF FUNDS	7/1/2006	7/1/07	7/1/08
Checking Account	\$14,814.07	\$44,137.26	\$5,270.68
Money Market Account	\$67,559.01	\$57,790.04	\$92,337.70
TOTAL	\$82,373.08	\$101,927.30	\$97,608.38

Minutes of the 2008 IAAAM Business Meeting - May 11, 2008, Pomezia, Italy

by Lisa Mazzaro, IAAAM Secretary

1:00PM – Meeting called to order by Don Stremme

1st order of business- establish if there is a quorum present (15% of 384 voting members, or 58). All full members were asked to raise their hands and were counted. We did not have a quorum at this point.

Unfinished business

Medway student endowment fund. Julie reported to the membership that we were able to smooth out rough edges and we are not at phase one- fundraising. Judy will be prodding people to give money to help us match and meet our goals. Next year we will have more information on how money will be distributed.

Board Reports

Treasurer report- Julius Tepper: Julie displayed the treasurer report spreadsheet (included at the end of the minutes). We are on budget even with very conservative projections from the auction and conference costs this year. Therefore we do not need to change dues payments for next fiscal years. Julie will take dues payments in the mornings at the registration desk

Membership report- Judy St. Leger: 2007 membership rose to 498 members (102 students, 372 full members and 10 HLM plus a handful of institutional members). HLM additions- Deke Busse and Larry Dunn. Nominating letter and history of their careers will be in the next newsletter. Judy will begin the fish-o-meter to raise 55,000 in matching funds in the next year for the Student Endowment. More members joined the meeting and full members were again asked to raise their hands for a count. It was confirmed that a quorum was present.

Motion and Second- to accept the minutes as published in the newsletter. Vote showed that the motion was passed

Changes in proceedings- Tom Reidarson

We have moved away from printed proceedings. It is the right thing for environment and IAAAM. Members now have to pay for printed copies. We are also working with VIN. VIN came to us with an offer to wave all costs for published proceedings. The proceedings were available before the conference on the website. VIN has promised and updated archive of every year by next year. Right now they have only the last 5 yrs available. Omni was contacted to get printed proceedings for members who wanted them. Over the years we have been overcharged for some things. This year the cost was whittled down to \$2700 to post the proceedings on our websites. If we go to VIN for next year we'll save \$2700. We also have the opportunity to have our abstracts included on Google scholar search. VIN is requiring a 5 year contract to sign to continue to use them. If we decide not to, we'll have to pay VIN some amount for this year.

Motion and Second- Proposing to use VIN for 5 years for our online archived proceedings, Cybercafe at meetings and Google search and to continue to use OMNI for printed proceedings. Vote showed that the motion was passed.

Question from a member- Will VIN give discounts to IAAAM members for individual members? Tom reported that he had not investigated this, but he doubted this benefit would be available. Another member commented that VIN offers free memberships for students.

Newsletter Report

There were 4 newsletters produced last year and they were mostly email and web distributions. There are only 2 members that get the newsletters via US mail.

We have a mutually beneficial relationship with ACZM for our CE forms. This allows us to offer credits with no cost to IAAAM. CE forms are available at registration desk or see Lisa Mazzaro We have 6 newly boarded IAAAM members- Jess Siegal-Willot, Jan Ramer, Marty Haulena, Laurie Gage, Pam Govett, and Leah Greer.

Committee reports

Student liaison- Lisa Murphy: The student liaison committee consists of 17 members including 2 new members (Katie Colgrove and Rene Varela). This committee also went green this year (all electronic). At this meeting there are 15 student presentations. This year we will give 4 awards in 2 categories. 11 of the committee members are here and judging talks. The 2008 student workshop was hosted by Sarah Poynton and more than ½ of the students attending were at their first IAAAM meeting. Some non-students also attended the workshop on Writing affective CV's, etc. Lisa thanked the membership for their support of students by contributions made at the auction.

Website report- Don Stremme summarized the report sent by John Jones: The major news is that John has found a company who will provide us a secure website and he is hopeful that the new website will be up and running in July.

Site Selection report- Sam Dover: 2009 meeting- San Antonio, 2010 meeting- Vancouver

Les presented some information on the conference which will be posted in the next newsletter along with more details: Conference dates- May 2nd through May 6th, Hotel - Radisson Hill Country Resort and Spa, Dates hotel is available at conference rate April 29 – May 9 2009, Hotel cost \$144/ night (other hotels available in walking distance)

New Business

Sarah Poynton extended an invitation to and solicited input for the 6th International Symposium on Aquatic Animal Health to be held in Tampa, FL in 2010 (meeting takes place every 4 years). Very broad based meeting and offers a level platform through all different phylum and wide distribution of disciplines. This is truly an international meeting and they want representation from all continents. They are hoping for strong participation from IAAAM members. The meeting will hopefully be in the spirit of IAAAM meeting, friendly, supportive and effective. Please reserve the dates in late August or early September 2010. If you are going to be in Tampa and want to help- let Sarah know. They are looking to IAAAM for the cutting edge in marine mammal health.

Nominations

The nominations committee have put forth the following candidates:

- President elect- Craig Harms
- Board Member for Communications- John Jones
- Board Member for Education- Fiona Brooks

Membership was asked if there were any nominations from the floor. There were none.

Motion and Second- That the nominations be closed and... Vote showed that the motion passed.

Motion and Second- for the meeting to be adjourned. Vote showed the motion passed

Summary of Most Relevant Topics from February 7-8, 2008 AALC Meeting from the AALC's IAAAM member

by Roy Yanong

AVMA Legislative Agenda

Active Pursuit of Passage:

- 2007 Reauthorization of the FARM Bill: omnibus multiyear authorizing law that deals with major farm and food legislation. Will impact animal health and welfare, agriculture research programs, conservation and environment, education.
- Food Animal Residue Avoidance Databank: primary source of scientifically based recommendations for withdrawal intervals after extra-label drug use. Also invaluable source of residue mitigation information when food animals are exposed to environmental contaminants. As of May 15, 2007, all public access discontinued due to lack of funding. Obtained bridge-funding in August 2007 for 2008 (via USDA-CSREES and FDA-CVM). Will be good until mid-late 2008, but short term solution only.
- National Veterinary Medical Service Act:

Support: National Offshore Aquaculture Act: see previous notes above.

Non-Support: Natural Stock Conservation Act of 2007: see previous notes above., Domestic Pet Turtle Market Access Act of 2007: requires the FDA to permit the sale of baby turtles (<10.2 cm) as long as the seller uses proven methods to effectively treat salmonella.

National Foundation for Infectious Diseases Annual Conference on Antimicrobial Resistance (NFID-ACAR) Liaison—Description/Meeting Report:

This liaison stays current with issues of antimicrobial resistance within the human medical community as well as governmental agencies. It also allows the AVMA to have input on seminars and speakers and allows AVMA to present a balanced picture of how antimicrobials are used in animal populations.

Issues of relevance to veterinary medicine:

Identifying scientific evidence that provides a “smoking gun” that antimicrobial use in animals has a positive association with antimicrobial resistance in humans; determining the true risk/benefits to growth promoting use of antimicrobials; science-based evidence reviewed by both medical and veterinary community that may justify limiting use of any antibiotics rather than political agenda or health scare based; funding and use of FARAD;

Liaison recommended attention to: focusing on selecting representation on veterinary issues relating to the ecology of resistance in soil and environment; determining the risks and benefits of antimicrobial use in production medicine; providing information on the principles of growth promotant use; more involvement in the seminars.

Codex Ad Hoc International Task Force on Antimicrobial Resistance Liaison

Codex is the international body that sets standards for “Food Law.” Working on development of international harmonized approaches and guidance to minimize the spread of antimicrobial resistance at all stages of the food chain. Language used in the developed Codex Guidance Documents will affect the membership and the allied industry significantly, including through trading requirements. Has worked on determining veterinary critically important antimicrobials (VCIA); thoughtful, and comprehensive risk analysis.

IAAAM-AALC Liaison did not submit a report for this meeting to the AALC.

Summary of Most Relevant Topics from September 6-7, 2007 AALC Meeting from the AALC's IAAAM member

by Roy Yanong

AVMA Legislative Agenda

Support: National Offshore Aquaculture Act: legislation directs the Secretary of Commerce to establish an operating permit process for the development and operation of offshore aquaculture facilities in areas of the U.S. EEZ.

Non-Support: Natural Stock Conservation Act: amends the National Aquaculture Act of 1980 to prohibit the issuance of permits for marine aquaculture facilities until requirements for the permits are enacted into law.

World Organization for Animal Health (OIE) Liaison Report

Animal Welfare Guidelines

OIE supported in principle the “Universal Declaration on Animal Welfare” proposed by the World Society for the Protection of Animals (WSPA). The Universal Declaration calls on countries to acknowledge the importance of animal welfare. The resolution was modified to add language recognizing the OIE as the science-based organization with the mandate of establishing standards on animal welfare. (note: AVMA also sent comments regarding aquatic animal welfare, but not through AALC)

FDA-CVM report

Melamine problem: In May, through a trace-back, trace-forward process, FDA discovered that contaminated wheat gluten products were used to manufacture fish feed in Canada, and some of that feed was shipped to the U.S. and fed at hatcheries. However, the fish that may have received the melamine-tainted feed were not considered a human health risk, under the risk assessment FDA and USDA developed

Minor Use Minor Species Animal Health Act of 2004: Designation: The “Designation” section of the MUMS Act is similar to the “Orphan Drug Act” for humans, which provides incentives, including 7 years of market exclusivity, to pharmaceutical firms that develop drugs for minor species or for rare diseases or conditions. The final rule about product “Designation” goes into effect October 9, 2007. The rule also describes the criteria CVM will use for granting or denying these requests

Indexing: This provides a basis for legally marketing an unapproved new animal drug intended for use in mainly non-food-producing minor species. Inclusion in the Index will be based primarily on the evaluation of the target animal safety and effectiveness of each specific product by a panel of qualified experts who will report their findings to FDA

Conditional Approval: a vet drug sponsor may ask CVM for “conditional approval,” which will allow the sponsor to make the drug available before collecting the required effectiveness data

FDA-CVM is working on industry guidance documents for the above.

USDA-CSREES report

Congress eliminated funding for support of the Food Animal Residue Avoidance Databank (FARAD). FDA initiated an agreement to support FARAD for 2007.

Report submitted to Animal Agriculture Liaison Committee by International Association for Aquatic Animal Medicine Liaison, Roy Yanong**I. Meetings:**

1. International Association for Aquatic Animal Medicine 39th Annual Conference, May 10-14, 2008, Rome, Italy
2. Aquaculture America (US Aquaculture Society), February 9-12, 2008, Lake Buena Vista, Florida
3. World Aquatic Veterinary Medical Association Annual General Meeting: tentative: in conjunction with the Canadian Veterinary Medical Association, host of the 2008 World Veterinary Congress, July 27-31, 2008, Vancouver, Canada.

World Aquatic Veterinary Medical Association: (information from WAVMA): The WAVMA held its first Annual General Meeting in Washington DC on July 18, 2007. Opening the meeting of a large number of attendees WAVMA President, Dr. Peter Merrill, thanked WAVMA sponsors and supporters including Novartis Animal Health (US), Pharmaq (UK), Intervet Norbio (Singapore), Inter-Res Research (Germany), Aquatic Ecosystems (US), AUMS (UK), Blackwell Publishers (US) and Net business (UK). Emphasizing the global reach of WAVMA he outlined the structure and function of the Association that would reach out to all veterinary organizations throughout the world and an estimated 7,500 plus veterinarians already involved with different aspects of aquatic veterinary medicine. He also emphasized the need for an entity such as the WAVMA to help address and focus on educational needs for aquatic practitioners, the clear recognition of aquatics as a unique discipline of veterinary medicine, and the need for credentialing practitioners to be clinically competent in this discipline. These and other needs of members will be developed and driven by WAVMA members that volunteer to form and serve on committees.

II. Regulatory Information:

1. VHS: Viral Hemorrhagic Septicemia remains an important regulatory and disease issue for wild fish in the U.S., with potential to impact negatively aquaculture in the U.S. The VHS interim rule is still pending, but, when finalized, will outline surveillance/determination of endemic zones/susceptible species list as well as additional regulations. Harmonization among states remains problematic.
2. KHV: Koi herpesvirus is now listed by the OIE as a notifiable disease, but is considered endemic in the U.S. However, only basic information on outbreaks will be requested by the USDA-APHIS-VS, for biannual report. Client information remains confidential, and there is no mandatory depopulation required.
3. The new "Health Certification for the Export of Live Finfish, Mollusks, and Crustaceans" (VS-Form 17-141 (March 2006)) is now available for international shipments of these groups of animals.

USDA-APHIS-VS and the AVMA are hosting a meeting following the fall 2007 Aquatic Veterinary Medicine Committee meeting to discuss content of aquatic animal accreditation modules for the updated USDA-APHIS veterinary accreditation program.

American Veterinary Medical Association Committee on Environmental Issues (CEI) Report

by C. P. Driscoll, DVM

AVMA COMMITTEE ON ENVIRONMENTAL ISSUES – Report to IAAAM May 2008

The following issues were discussed in the February 27, 2008 conference call of the Committee on Environmental Issues. While most issues related to terrestrial animals – this report reflects pertinent actions conducted.

1. AVMA GPRC – Review of Committees: For the past few years the AVMA Governance Performance Review Committee (GPRC) has reduced the number and size of committees, as well as the number of meetings per year, to conserve AVMA funds (for travel to committee meetings, etc.). In 2007 the CEI (as well as other committees) was reduced to one meeting per year and the size of the committee was reduced by half. The IAAAM/ aquatic representation on the committee was not questioned, however other members/ disciplines were removed.
2. Wildlife Brucellosis: CEI was asked for input on revising the Brucellosis position statement. Action: CEI suggested a revised position statement to read “control” rather than “eradicate” for free-ranging wildlife (terrestrial and marine).
3. Compound 1080 & M-44 for predator control (coyotes): the EPA issued a controversial notice of intent to cancel the registration for both compounds.
Action: CEI suggested a letter to AVMA to conduct a complete review of available literature to guide its actions on the subject.
4. 110th AMVA Legislative Agenda: CEI received a briefing on legislative updates included in the 110th AVMA Legislative Agenda. The specifics were too numerous to list in this report – but in general were categorized into the following areas: Active Pursuit of Passage; Active Pursuit of Defeat; Support, Non-Support; No Action. (for a complete list of actions in this briefing - visit the AVMA website).
5. Global Warming: CEI discussed the need for AVMA to have a policy on global warming – and formed a sub-committee to formulate a draft for consideration at the August meeting.

Jobs, Meetings and Educational Opportunities

Aquaculture Europe 2008

Aquaculture Europe 2008 including an aquaculture conference, an industry forum and an exhibition, organised by the European Aquaculture Society (EAS) and hosted by Polskie Towarzystwo Rybackie (the Polish Fisheries Association) will take place in Krakow, Poland, from September 15-18, 2008.

Register now at <https://www.was.org/easonline/Registration/Default.aspx> to take advantage of early Bird Registration Fees.

The conference theme "Resource management" addresses the natural, human and material resources for the sustainable development of aquaculture. The Water Framework Directive (WFD) (2000/60/E) is the most substantial piece of water legislation ever produced by the European Commission. It requires that all inland and coastal waters within defined river basin districts must reach at least good status by 2015 and defines how this should be achieved through the establishment of environmental objectives and ecological targets for surface waters. This will be just one focus of AE2008.

The thematic sessions will take place each morning and these open the debate and pave the way for the parallel, technical sessions of contributed presentations. AE2008 Thematic plenary sessions:

- Ian Johnston from St Andrews in Scotland on the application of basic research to understand and influence the domestication process
- Ronald Hardy from the University of Idaho on feed sustainability
- An overview of progress on closing the cycle of the European eel by Guido van den Thillart
- Carmen Popa from the Romanian National agency for Fishing and Aquaculture on the WFD and how Pond Aquaculture manages water resources
- Economic and social aspects of European aquaculture addressed by John Dallimore, Good Business columnist for Fish Farming International

Abstract submission for AE2008 was open at the EAS website from October 2007 to May 2008. More than 360 abstracts have been submitted from participants from 40 countries. Considerable

preparatory work by our AE2008 Programme co-chairs Ewa Kamler and Konrad Dabrowski has lead to the development of the programme, which is made up of 15 parallel sessions running over the 3 conference days.

Of special note here is the focus on reproduction. A special session will look at latest research in gamete physiology and methods of improvements in gamete biotechnology. Another session linked to this has been organised by the EU-funded project REPROFISH (<http://www.reprofish.eu> > www.reprofish.eu). REPROFISH brings together specialists from all over Europe and from the scientific and industry sectors to identify and extract the most important results of past and current research programmes, and to prepare future actions. The REPROFISH session has a wide range of presentations that provide examples of this approach.

AE2008 addresses issues of domestication, but also conservation. Apart from Guido van den Thillart's Thematic presentation, there will be a parallel session focusing on eels, and a special keynote presentation will be made by Professor Katsumi Tsukamoto, who is leading eel research in Japan. In a similar theme, AE2008 will also focus on sturgeon, with a session developed in cooperation with the World Sturgeon Conservation Society (<http://www.wscs.info>). Other sessions are many and varied and are listed on the EAS web site. The industry forum will include an industry day or farmers day, workshops for industry and the Aquaculture Europe 2008 student forum. As always, various social events will be a part of the Aquaculture Europe meeting. For the full brochure on this upcoming event, registration and submission details, please visit the website here.

We take pleasure in informing you that registration for Aquaculture Europe 2008 is also possible online at the same page. We invite you to register early on as registration costs will increase after June 15. We also invite you to book your accommodation in Krakow as early as possible.

We very much look forward to welcoming you in Krakow in September.

Alistair Lane
EAS Executive Director

WEZAM Marine Mammal Conference Call for Abstracts

After the success of last years Marine Mammal Conference held here at the University of Wisconsin, Madison, we have decided to host the 2nd WEZAM Marine Mammal Conference this year on November 8th/9th 2008. The conference is being sponsored by ALOKA ultrasound systems and Morris Animal Foundation. This year the conference will consist of lectures/presentations on Saturday and Sunday morning, and two wet lab sessions (one for all delegates on Saturday detailing the use of ultrasound and demonstrating other clinical diagnostic methods and a second necropsy lab on Sunday afternoon with limited access). Most exciting is the addition of a poster session designed primarily for students undertaking summer externships in the field of marine mammal medicine or biology.

We are inviting submission of posters from the following areas of interest:

- Marine mammal wildlife health
- General zoological medicine for marine mammals
- Marine mammal pathology
- New technologies in marine mammal health
- Literature review
- A general submission relating to any other marine mammal topic

Delegates submitting abstracts must register for and be present at the conference. Registration for the conference will open during the first week of September and will be limited. The top five abstracts submitted will have registration reimbursed and will be guaranteed a place in the limited Sunday afternoon necropsy wet lab. The winning poster at the conference will be awarded an additional prize.

This is the ideal opportunity for students undertaking research during externships/internships to gain experience in presenting posters and demonstrate what can be achieved during such an opportunity.

Further questions or queries, or to request an electronic submission form, please contact Dr. Sophie Dennison at dennison@svm.vetmed.wisc.edu or Dr. Ewan Wolff at ewolff@wisc.edu.

Exotic Animal Medicine for the Clinical Practitioner

Presented by the American Association of Zoo Veterinarians

Continuing education credits endorsed by the American College of Zoological Medicine

The American Association of Zoo Veterinarians is presenting an in-depth, 2- day course on exotic, zoo, and wild animal medicine Saturday, October 11, 2008 to Sunday, October 12, 2008 at the Hilton Los Angeles Airport, Los Angeles, California. Lectures will be geared to the private exotic animal clinical practitioner and are expected to include exotic animal necropsy techniques, critical care, anesthesia, and nutrition with special species focus of primate, exotic felid, and marsupial medicine, basic and advanced avian, aquatic, reptile, amphibian, and small mammal medicine. Registration includes lecture materials, break refreshments, Sunday evening reception, and certificate of attendance for display in your practice. Class offers 14 hours of CE credits sponsored by the American College of Zoological Medicine. Register at <http://www.aazv.org> Learn exotic animal medicine from the experts!

Health and Colony Management of Laboratory Fish at Mount Desert Island Biological Laboratory

Applications are being accepted for this 1-week short course 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 25 - 29 August 2008. 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/fishhealth08.shtml>

Senior Biologist - New England Aquarium

Central Wharf, Boston, Massachusetts
Reports to Stranding Program Department Manager

The New England Aquarium (NEAq) is a non-profit organization that responds to stranded whales, dolphins, porpoises, seals and sea turtles. NEAq maintains a rehabilitation hospital on site as well as a satellite facility in Duxbury, Massachusetts. NEAq's mission is to provide rapid response and humane care to stranded marine mammals and sea turtles and to conduct research and education, ultimately with the intention of releasing rehabilitated animals back to the wild. NEAq's Rescue Program is one of the oldest in the country, and responds to approximately 500 reports of stranded marine mammals and sea turtles annually.

Essential Job Functions:

- Manage marine mammal and sea turtle rehabilitation hospital
- Provide husbandry and care for animals collected through the Rescue Program
- Administer medical therapy as prescribed by veterinarians
- Perform health assessments and medical procedures on stranded animals, including restraint and immobilization
- Manage animal diets and medication schedules
- Provide coverage for 24-hour stranding "hotline" as necessary
- Coordinate field stranding response, including health assessment, collection, transport and relocation of animals
- Conduct post mortem exams including field necropsy of marine mammals and sea turtles
- Compile, analyze, and present stranding data at annual Northeast Region Stranding Network conference
- Present information about the program through media interviews, press conferences, and e-mail inquiries stimulated through the website
- Deliver public lectures about the program, marine animal natural history, and research projects to NEAq and outside audiences
- Develop and update content for department website

Maintain records and databases of:

- Daily food intake, medical condition, treatment and disposition of hospital animals
- Accession and disposition of live and dead animals collected through the Rescue Program
- Requests for research material from outside investigators and collaborators
- Tissue and specimen inventory
- Medical tests and results
- Assist with federal reporting requirements
- Provide proper care and maintenance of equipment in the facilities including scheduled maintenance of lab equipment and construction/maintenance of life support systems
- Supervise and train hospital volunteers/interns in daily husbandry activities
- Assist with management of field volunteer network, including coordination of annual training workshop
- Assist in handling chemical and biological samples, including waste disposal
- Perform other position-related duties, as assigned

Qualifications:

Bachelor's degree in biology, marine science, or zoology is preferred with a minimum of 5 years related experience_ or _a CVT with a minimum of 5 years related experience. Related experience should include a minimum of 3 years working with marine mammals or sea turtles in a clinical setting. Experience may be substituted for degree. A valid Massachusetts driver's license is required.

Knowledge, Skills, and Abilities:

- Knowledge of animal hospital setting and husbandry procedures
- Knowledge of diagnostic and therapeutic techniques
- Clinical experience with marine mammals and or sea turtles
- Previous exposure to aquariums or zoo animal medicine
- Ability to handle and restrain large animals
- Working knowledge of necropsy equipment and sampling protocols
- Strong written and verbal communication skills
- Strong leadership skills in routine and emergency situations
- Strong organizational and time management skills
- Working knowledge of Microsoft WORD, EXCEL, and ACCESS software
- Working understanding of marine life support systems and equipment
- Ability to work on rough terrain during inclement weather and lift moderate weight

Physical Demands:

Applicant must be able to engage in fairly vigorous physical activity most of the day (i.e. performing husbandry duties). Energy and stamina level must be appropriate for the position. Applicant must be able to work in extreme weather conditions and for long hours, sometimes overnight. Overall must be in good physical condition and be able to lift 50 pounds.

Typical Equipment Used:

This position utilizes a variety of animal handling (stretchers, herding boards, kennels, cetacean transport containers, etc.), medical (needles, syringes, blood tubes, etc.) and sampling equipment (flensing knives, scalpels, etc.).

Please send CV or resume to Human Resources before August 11, 2008.

Human Resources
Attn: Rescue Department
New England Aquarium
Central Wharf
Boston, MA 02110

The New England Aquarium is an equal opportunity employer.

Biologist I - New England Aquarium

Central Wharf, Boston, Massachusetts

Reports to Stranding Program Department Manager

The New England Aquarium (NEAq) is a non-profit organization that responds to stranded whales, dolphins, porpoises, seals and sea turtles. NEAq maintains a rehabilitation hospital on site as well as a satellite facility in Duxbury, Massachusetts. NEAq's mission is to provide rapid response and humane care to stranded marine mammals and sea turtles and to conduct research and education, ultimately with the intention of releasing rehabilitated animals back to the wild. NEAq's Rescue Program is one of the oldest in the country, and responds to approximately 500 reports of stranded marine mammals and sea turtles annually.

Essential Job Functions:

- Provide husbandry and care for animals collected through the Rescue Program
- Administer medical therapy as prescribed by veterinarians
- Assist with and perform health assessments and medical procedures on stranded animals, including restraint and immobilization
- Provide 24-hour stranding "hotline" coverage as necessary
- Conduct field stranding response, including assessing animals and coordinating pick up, transport and relocation of animals
- Assist with post mortem exams including field necropsy of marine mammals and sea turtles
- Supervise and train hospital volunteers/interns in daily husbandry activities
- Assist with management of field volunteer network, including coordination of annual training workshop
- Maintain records and databases of:
 - Daily food intake, medical condition, treatment and disposition of hospital animals
 - Accession and disposition of live and dead animals collected through the Rescue Program
 - Requests for research material from outside investigators and collaborators.
 - Tissue and specimen inventory
 - Medical tests and results
- Provide proper care and maintenance of equipment, including lab equipment and life support systems
- Maintain inventory and order supplies for Rescue Program
- Assist in handling chemical and biological samples, including waste disposal
- Assist with other administrative responsibilities, such as filing and general organization, as necessary

Qualifications:

Bachelor's degree in biology, marine science, or zoology is preferred. Experience may be substituted for degree. Minimum two years experience in related field is required. Valid Massachusetts driver's license is required.

Knowledge, Skills, and Abilities:

- General knowledge of biology, anatomy and animal behavior
- Basic knowledge of medical and husbandry procedures
- Ability to handle and restrain large animals
- Strong written and verbal communication skills
- Strong leadership skills in routine and emergency situations
- Strong organizational and time management skills
- Working knowledge of Microsoft WORD, EXCEL, and ACCESS software
- Working understanding of marine life support systems and equipment
- Ability to work on rough terrain during inclement weather and lift moderate weight

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Please send CV or resume to Human Resources before* July 25, 2008*.

Human Resources
Attn: Rescue Department
New England Aquarium
Central Wharf
Boston, MA 02110

The New England Aquarium is an equal opportunity employer.

CONFIDENTIALITY STATEMENT:

The information contained in this [communication, document, transmission] is for the intended recipients only. If you have received this [communication, document, transmission] in error or are not the intended recipient, you should notify the sender and destroy this [communication, document, transmission] immediately. Any unlawful use or disclosure of this information by any parties other than the intended recipients is considered a privacy violation and is punishable by Federal law.

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 Large Animal Surgery.

Residents are strongly encouraged to complete two graduate level courses (minimally 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 encourage scholarly activities of publication and teaching. Residents participate in bi-monthly multi-institutional journal review courses, rounds and teaching 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. Bill Van Bonn (bvanbonn@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.

Applications will be accepted October 1- 22, 2008.

Upcoming Meetings and Educational Opportunities

Aug 25 - 29, 2008: 2008 Health and Colony Management of Laboratory Fish Course, Mount Desert Island Biological Laboratory, Salisbury Cove, Maine

Sep 15-18, 2008: Aquaculture Europe 2008, Krakow, Poland

Oct 11 - 12, 2008: Exotic Animal Medicine for the Clinical Practitioner, Los Angeles, California

Nov 8 - 9, 2008: 2nd Annual WEZAM Marine Mammal Conference, Madison, WI

May 2 - 6, 2009: 40th Annual IAAAM Meeting and Conference, Radisson Hill Country Resort and Spa San Antonio, TX

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 Craig Harms, Newsletter Editor, at NCSU CMAST, 303 College Circle, Morehead City, NC 28557, or by phone at 252-222-6339, or by email (Newsletter@iaaam.org).

For membership information, including dues payment, and address changes contact Judy St. Leger, 500 SeaWorld Drive, San Diego, CA 92109 7904 or by phone at 619-225-4259 or by email (Membrrship@iaaam.org).

EXECUTIVE BOARD MEMBERS

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Tom.Reidarson@SeaWorld.Com

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caharms@ncsu.edu

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IAAAMdws@aol.com

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cypcarpio@aol.com

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lmazzaro@MysticAquarium.org

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judy.st.leger@seaworld.com

Board-Communications: John C. Jones

Board-Education: Fiona Brook
fmb@resoundinternational.org.uk

HONORARY LIFE MEMBERS

Don Abt	Deke Beusse
Lanny Cornell	Joe Geraci
Jack Gratzek	Ted Hammond
Jay Hyman	Sam Ridgway
Bob Wright	William Medway†
Jesse White†	

† deceased

IAAAM Committee Representatives or Chairs

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

AVMA Animal Agriculture Liaison Committee

Roy P.E. Yanong
rpy@mail.ifas.ufl.edu

AVMA Food Safety Advisory Committee

Kathleen Hughes Hartman
kathleen.h.hartman@aphis.usda.gov

AVMA Committee on Environmental Issues

Cindy Driscoll
cdriscoll@dnr.state.md.us

Student Endowment Oversight Committee

Tracy Romano
tromano@MysticAquarium.org