



IAAAM NEWS

**Volume 37, Number 2,
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Craig Harms, Editor

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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Message from the Conference Hosts

Conference Update! One More Week!

Just a reminder to all of those planning to attend this year's IAAAM conference in Nassau, Bahamas—deadline to take advantage of the pre-registration rates is April 6, 2006. Make those reservations today to avoid the \$50 late fee! (registration form is at http://www.iaaam.org/meeting/2006/reg_form_06.doc)

Also, hotel discounted rates have been extended until April 6 to coincide with the conference registration deadline. After that date, rates will be subject to availability. Melonie Johnson is handling the reservations for this event. She can be reached directly by calling 1-800-453-5301 extension 6373 or emailing mjohnson@wyndhamnassauresort.com. You must use that extension or you will be sent to general reservations. Also, the reservations cannot be made on the Wyndham website. If you have made your reservations any way other than through Melonie, please email her at the address above with your reservations information and she will make sure you are moved to our room block and receive conference rates. If you have any difficulty with conference or hotel registration, you may contact me at kim@dolphinencounters.com

Looking forward to seeing everyone in Nassau. We have a great conference planned!

Kim Terrell
Dolphin Encounters Ltd

William Medway D.V.M., Ph.D.

1927 - 2006

Dr. William Medway, emeritus professor of clinical laboratory medicine in the Department of Clinical Studies at the University of Pennsylvania School of Veterinary Medicine, died unexpectedly on March 19, 2006. He was 79.

Dr. Medway was a pioneer in the field of aquatic animal medicine and collaborated on much of the early clinical research on whales, dolphins, and manatees in the 1960's, 1970's, and 1980's. He was a charter and honorary life member of the International Association for Aquatic Animal Medicine (IAAAM) and was a teacher, mentor, friend, and colleague to generations of veterinarians. In 1999 the IAAAM William Medway Award for Excellence in Teaching Aquatic Animal Medicine was initiated in his honor. Dr. Medway also served as the president of the IAAAM from 1974-1975 and as the organization's secretary/treasurer from 1969-1973. He edited the IAAAM Newsletter for 10 years and was a valuable source of archived material when a comprehensive CD of scientific abstracts was produced several years ago.

Dr. Medway was born on February 23, 1927 in Manitoba, Canada. He received a B.S. degree from the University of Manitoba in 1947 and worked as an instructor in the Department of Chemistry at the Ontario Veterinary College until the fall of 1949. He received his D.V.M. degree from the Ontario Veterinary College in 1954 and a Ph.D. degree from Cornell University in 1958 where his thesis focused on water metabolism in domestic fowl. Dr. Medway joined the University of Pennsylvania School of Veterinary Medicine faculty in 1959 as an assistant professor of clinical laboratory medicine and moved through the academic ranks to become professor of clinical laboratory medicine in 1968. He also spent time as a research associate and assistant professor in the department of physiological sciences at the Ontario Veterinary College from 1960-1962. Dr. Medway was the director of the clinical laboratory at the Veterinary Hospital of the University of Pennsylvania (VHUP) from 1958-1960 and chief of clinical laboratory medicine at VHUP from 1962-1979. He retired in 1988 after 30 years of dedicated service. Dr. Medway continued to collaborate and communicate with colleagues and students after his retirement.

Dr. Medway published more than 60 scientific papers that covered a variety of veterinary topics dealing with both domestic and wildlife species. He made strong and lasting scientific contributions to the areas of marine mammal anatomy and pathology, infectious diseases of marine mammals, marine mammal clinical pathology, domestic animal clinical pathology, canine cancer, canine kidney disease, parasitic diseases of North American domestic and wild mammals, and avian clinical pathology and physiology. Dr. Medway also co-authored (first author) the 1969 *Textbook of Veterinary Clinical Pathology* and contributed six book chapters to prestigious contributed works including the *Merck Veterinary Manual*, *Fowler's Zoo and Wildlife Medicine*, and *Kirk's Current Veterinary Therapy*.

Dr. Medway taught courses in clinical pathology, fish medicine, and zoo mammal medicine at the School of Veterinary Medicine and he lectured for many years on marine mammal medicine at the unique and prestigious Aquavet® program that is offered annually at the Marine Biological Laboratory in Woods Hole, MA. He also served as the faculty advisor for the School of Veterinary Medicine's student-run Wildlife Service for

over a decade and was a member of the School of Veterinary Medicine's admissions committee from 1983-1988.

Dr. Medway belonged to over a dozen professional and scientific societies and presented many invited lectures on topics dealing with marine mammal medicine and veterinary clinical pathology.

Dr. Medway was appointed to the U.S. Marine Mammal Commission Committee of Scientific Advisors in 1982 and served in this capacity until 1985. In 1988 he was reappointed to this committee and provided his services and expertise to the Marine Mammal Commission until 1995.

Dr. Medway is survived by his wife Carol; son Kendall; granddaughter Devon, and five brothers and sisters, Louise, Mary, Ann, Kathleen, and Peter.

(Obituary by Dr. Greg Lewbart)



2006 CONFERENCE UPDATE

Bill Van Bonn

It's snowing out my window as I draft this. The **Bahamas** sounds pretty good! And the conference plans are looking pretty good too! Below is some very important information for you all to be aware of. Please spread the word. See you in the sunshine soon.

INFORMATION FOR EVERYONE

- There seems to be some confusion with hotel reservations. In order to get the discounted conference rate and be counted against the room block, persons must follow the instructions that were listed on the website. Melonie Johnson is handling the reservations for this event. She can be reached directly by calling 1-800-453-5301 extension 6373 or emailing mjohnson@wyndhamnassauresort.com. **You must use that extension or you will be sent to general reservations.** Also, the reservations cannot be made on the Wyndham website. **If you have made your reservations any way other than through Melonie, please email her** at the address above with your reservations information and she will make sure you are moved to our room block and receive conference rates. **Remember—deadline for hotel reservations to receive conference rates is March 27, 2006!**
- **Conference Registration:** Just a reminder that the deadline for conference pre-registration to **avoid the \$50 late fee** is April 6, 2006. If you have any difficulty with your reservations, you may contact Kim at kim@dolphinencounters.com

- **The Bahamas is a foreign country for many.** Coming Into the Bahamas – Travel Requirements: **For visitors, entry requirements differ slightly depending upon place of birth, length of stay and what items accompany the traveler.**

Upon your arrival to The Islands of The Bahamas, you will be asked to fill out an Immigration Arrival/Departure Card, which you will keep part of until your departure. The airlines usually distribute these cards, but they are also available in the Immigration area of the airport. You will then clear Immigration before proceeding to pick up your luggage. All visitors are required to be in possession of a return ticket. After picking up your luggage, you will proceed to customs. Please indicate that you are a visitor for a conference and that you are staying at the Wyndham/Crystal Palace Resort.

U.S. and Canadian citizens entering The Islands of The Bahamas as visitors are required to show proof of citizenship with either a passport (current or expired within five years) or two forms of identification, one of which has to have a photo. For example, you may bring your birth certificate and a driver's license.

British subjects from the United Kingdom and colonies may enter The Islands of The Bahamas as visitors without passports or visas for periods not exceeding three weeks. For longer stays they must present a passport.

All others need a valid passport.

A Yellow Fever vaccination certificate is required from travelers over one year of age coming from the following countries: Angola, Benin, Bolivia, Brazil, Burkina Faso, Colombia, Cameroon, Democratic Republic of Congo, Ecuador, French Guiana, Gabon, Gambia, Ghana, Guinea, Liberia, Nigeria, Sierra Leone, Peru and Sudan. Travelers are required to be vaccinated 10 days prior to entering The Islands of The Bahamas and must have a valid certificate of vaccination against Yellow Fever.

For additional information, contact:

Ministry of Labour and Immigration

P.O. Box N 3008

East Hill Street

Nassau, Bahamas

tel: 242-323-7814

fax: 242-325-1920

- Our hosts have done a fantastic job of arranging for significant discounts at many local attractions for conference attendees, their families and friends. Take a look at the list below for details... There will be a number of activities suitable for children as well but **please note** - the icebreaker on Saturday evening is not one of them. Please make arrangements for childcare for that evening if children will accompany you to the Bahamas.

INFORMATION FOR ORAL PRESENTERS

- We have a full docket this year. Oral presentations will be 12 minutes long with approximately 3 minutes for questions following each.
- You must bring your presentation on either CD or USB "pen drive". If you plan to use something other than Microsoft Power Point[®] Please advise your Session Chair as soon as they contact you.
- We will have all students presenting together in three dedicated sessions rather than scattered throughout the program.

- Your Session Chairs will be contacting you soon to provide you additional details.

INFORMATION FOR POSTER PRESENTERS

- Posters will be presented in an evening session concurrent with the silent auction this year.
- Poster size should be approximately 3 foot by 4 foot.
- Posters will be displayed on easels. Posterboard will be provided.

I think that's it for now. Polish those presentations and pick from the below list of fun!

William Van Bonn, DVM
Flossmoor, IL

37th Annual IAAAM Conference Agenda

Friday, 5 May 2006

Arrival at Wyndham Nassau Resort! & Crystal Palace Casino for
Board Members and Workshop Attendees
0900-1600 Marine Mammal Histopathology Workshop - Eleuthera Room

Saturday, 6 May 2006

0900-1700 Board meeting – Flamingo Board Room
0900-1700 Conference Registration - Foyer
0800-1700 C.L. Davis Zebrafish Workshop – Eleuthera Room
1100-1500 Student Outing to Atlantis and BBQ
0800-1700 ACZM Ultra-short course - Cat Island Room
1500-1800 Speaker 'ready room' open
1800-2100 Icebreaker at "Sea Star" Home of Robert Meister/Managing
Director of Dolphin Encounters. [Transportation to and from hotel
provided by host]

Sunday, 7 May 2006

0800-1700 Conference Registration - Foyer
0800-0930 Opening Session- Salon III, IV
0930-1000 Break
1000-1200 Physiology, Pharmacology, Toxicology- Salon III, IV
1200-1330 Lunch
1330-1500 Population Medicine- Salon III, IV
1500-1530 Break
1530-1700 Pathology- Salon III, IV
1800-2000 Student Workshop – Eleuthera Room

Monday, 8 May 2006

0800-0930 Student Session A- Salon III, IV
0930-1000 Break
1000-1200 Student Session B- Salon III, IV
1200-1330 Lunch
1330-1500 Student Session C- Salon III, IV
1500-1530 Break
1530-1700 Business Meeting- Salon III, IV
1800-2030 Poster Session/Silent Auction/Wine & Cheese - Foyer

Tuesday, 9 May 2006

0800-0930 Case Reports I- Salon III, IV
0930-1000 Break
1000-1200 Original Research- Salon III, IV
1200-1930 Beach afternoon/ evening activities
1230-1330 Board Meeting II -Dolphin Encounters Education Room
1800-1900 Live Auction

Wednesday, 10 May 2006

0800-0930 Clinical Advances I- Salon III, IV
0930-1000 Break
1000-1200 Case Reports II- Salon III, IV
1200-1330 Lunch
1330-1500 Distinctive Species- Salon III, IV
1500-1530 Break
1530-1700 Clinical Advances II- Salon III, IV
1800-1900 Cash Bar - Foyer
1900-2300 Banquet/Awards – Salon I, II

Thursday, 11 May 2006

0800-1800 Fish Practitioners Workshop- Eleuthera Room

Nominations

The Nominations Committee has put forth the following slate for President-elect, Treasurer, and Board Member. Nominations are also accepted from the floor at the business meeting.

Nomination for IAAAM President-elect:

Dr. Donald Stremme has over 30 years experience in small animal and exotics practice, including 26 years managing his own practice. He has also been the veterinarian for the Adventure Aquarium and the Philadelphia Academy of Natural Sciences for almost 14 years. He graduated from Pennsylvania State University with a B.S. in Zoology and received his V.M.D. from the University of Pennsylvania. As an undergraduate he spent a semester at the University of Cologne in Germany. During veterinary school he worked summers at the University of Hohenheim near Stuttgart Germany, where he was responsible for water quality and the care of the many research animals from fish to raptors. He worked under Dr. Gottfried Schubert, a pioneer in fish husbandry and medicine. His externship during senior year was at the Wilhelma Zoo in Stuttgart. He recently translated a German book on the husbandry of venomous snakes into English for Krieger Publishing Company. He completed AquaVet II in 2000. Don has been an active member of IAAAM since 1996 and been an IAAAM board member for 5 years (serving as secretary/treasurer and then as treasurer).

Nomination for IAAAM Treasurer:

Born and raised in NYC, **Dr. Julius M. Tepper** graduated from York College of CUNY in 1971. He then went to Europe to study veterinary medicine, graduating with honors from the University de Liege in Brussels, Belgium in 1976. Returning that year to NYC, he began practicing and held a special interest in birds and exotic animals. He owns and has managed the Shirley Veterinary Hospital, a small and exotic animal practice on Long Island from 1982 to the present. After requests from clients, he opened the Long Island Fish Hospital in 1998, serving as a private practitioner for pet fish. Besides the IAAAM,

he is a member of the Long Island Veterinary Medical Association, where he has served on the executive board, as well as being a member of the Association of Reptile and Amphibian Veterinarians, Association of Avian Veterinarians, the New York State Veterinary Medical Society and the AVMA.

Nomination for IAAAM Board:

Dr. Judy St. Leger is the Director of Pathology for SeaWorld. Her work involves assuring population health and investigating morbidity and mortality in wild and collection animals. She serves all three SeaWorld parks and associated research projects. Judy is a graduate of Cornell University, and has participated in the Aquavet I and II courses (many years ago). Her primary interests are in expanding diagnostic pathology capabilities and marine species conservation. She enjoys teaching and lecturing about marine species pathology. Judy has been a member of IAAAM for five years.

EXPLORE THE BAHAMAS

Nassau offers many activities that, as visitors to the Bahamas, you will want to enjoy. The following tours and attractions are offering special rates and/or opportunities to all IAAAM conference attendees and their families. You must book your own reservations with the vendors and you must present your official IAAAM conference badge upon check-in at each particular attraction to receive the discounts mentioned. The discounts are valid from May 3rd, 2006 – May 13th, 2006.

ARDASTRA

Gardens, Zoo & Conservation Center

Ardastra Gardens, Zoo and Conservation Center

Discount: 20% off of entrance fee. Discounted price is \$9.60 for adults and \$4.80 for children 4-12 years. Three and under are free.

Situated only minutes from the heart of downtown Nassau, Bahamas, there is no place quite like the Ardastra Gardens, Zoo and Conservation Center. The 5-½ acre park is part jungle, part gardens and home to hundreds of beautiful mammals, birds and reptiles from around the world, including many endangered species from the Bahamas and the Greater Caribbean. Ardastra offers a very intimate setting to mingle with amazing wildlife and is committed to the preservation and conservation of endangered species. You can't miss the world famous marching flamingos! **Learn more at: www.ardastra.com**



Bahamas Fast Ferries

Discount: 20% off of tour price

Bahamas Ferries is bridging the distance between islands with unified modern ferry system. Customer comfort and satisfaction have been our goals since we launched our first ferry six years ago, and we are proud to offer impeccable on-time service and friendly staff ready to make guests feel at home. As guests ride in air-conditioned comfort, they can enjoy a meal and beverages served by our cabin attendants. Take our "Harbour Island Day Away" trip to this charming town in Eleuthera. The trip includes round trip fare to and from Harbour Island and Nassau, authentic Bahamian lunch,

historical tour of the town and buildings, Pink Sands beach experience, round-trip transportation from Paradise Island and Cable Beach.

Learn more at: www.bahamasferries.com



Blackbeard's Cay

Discount: 50% off entrance fee. Discounted rates are Adults (12 years and over) \$21, Child (3-12 years) \$18.50, Infants (under 3) free

Visit beautiful Blackbeard's Cay home of the World Famous, Stingray Adventure program, guaranteed to put a smile on your face! The graceful Southern Atlantic Stingrays will awe you with their beauty! Located just north west of the eastern end of Nassau, the tranquil little island, named in reverence of the most feared pirate to ever visit the Caribbean, Edward Teach, a.k.a. "Blackbeard", offers guests a true island getaway. Enjoy the beaches, visit our Bacardi Bar, relax on a lounge chair, play volleyball or basketball – there is something for the whole family.

Learn more at: www.stingrayadventure.com



Discover Atlantis – A Tour of the Atlantis Resort

Free to IAAAM members

Sign-up at the Discover Atlantis Tour Desk located in the lobbies of the Royal Towers or Coral Tower

Take a guided journey through Discover Atlantis. Home to more than 50,000 fish representing 200 species, this attraction re-creates the lost city of Atlantis while providing a fascinating look at life in the ocean's depths. The tour includes: Ruins Lagoon - re-creation of the sunken city streets of mythical Atlantis, The Dig - a labyrinth of rooms and splendid chambers, twisting streets, and corridors with remarkably "well-preserved" art works, technological artifacts and hieroglyphics from the mystical civilization and The Predator Lagoon - sharks, barracuda, large grouper and much, much more.

Take the Discover Atlantis Tour to see this unique resort. An adult 18 or older must accompany guests under 18. Please note that there is extensive walking with this experience up and down inclines and stairs and crossing of streets. Guests with younger children will need to have a stroller. Guests who are not able to cover long distances will need a wheelchair and should bring their own. Guests will not be able to visit the pools, slides or beach.

Learn more at: www.atlantis.com



Dolphin Encounters on Blue Lagoon Island

Discount: Complimentary to all IAAAM members and family

As the host of the 37th Annual IAAAM Conference, Dolphin Encounters will be hosting a Beach BBQ for all attendees on Tuesday, May 9th. (Transportation to and from the hotel will be provided.) Our large high-speed catamarans will take you on a tour of Nassau's Harbour, around Paradise Island and over to beautiful Blue Lagoon Island, the private island home of our friendly dolphins. An afternoon of games, entertainment, authentic Bahamian food and drinks, educational programs for children and time to enjoy the beautiful beaches and scenery of Blue Lagoon Island awaits. After lunch, you will meet our incredible family of dolphins in either the Close Encounter or the Swim program for an experience you will never forget. Our management and staff are ready to welcome the IAAAM!

Learn more at www.dolphinencounters.com



Island Helicopters

Discount: 30% off of trip ticket. \$84 (cash only). Ask for SuperMaps deal when booking.

The 25 minute helicopter tour departs from Paradise Island Heliport adjacent to the Bridge. The breathtaking flight starts takes you above the Prince George Wharf where all the crew ships dock while visiting Nassau. Enjoy a bird's eye view of Downtown, the Water Tower, the Straw Market, Ft. Charlotte and the Fish Fry on Arawak Cay. Next is the impressive view around the lighthouse located on the western tip of Paradise Island and some of the exclusive private homes of the rich and famous. The next landmark is "The Atlantis Resort" a magnificent piece of architecture to view from the air where the following may be observed: The Mayan Temple slide with the shark tank, The Royal Towers, the exclusive Ocean Club and the gated Golf Course Community, Ocean Club Estates. The tour continues with breathtaking view of Athol Island, picturesque Rose Island, and Sandy Cay. Next is breathtaking Blue Lagoon Island (Salt Cay) made famous as it is also the all natural marine habitat of the amazing 16 dolphins of Dolphin Encounters. The tour concludes with incredible views of downtown Nassau, the cruise ship basin and the Nassau's Harbour.

Learn more at: www.island-helicopters.com



Island World

Discount: 20% off of tour price

Climb aboard one of our twin, 45' custom built, state-of-the-art high-speed power boats. We take you to exquisite Saddleback Cay just 40 miles from Nassau in the Northern Exumas. Relax and unwind on one of the seven uninhabited beaches. Take a leisurely stroll, gather sea shells or soak up the sun. Encounter gentle stingrays, groupers and conch in their incredible natural environment. You may even see migrating turtles and dolphins. We offer authentic Bahamian cuisine for lunch. Many different species of sharks, barracudas and stingrays are present in the waters around Saddleback Cay and there is an array of beautiful tropical fish just waiting to be fed! As you make your way back to Paradise Island at the end of the day visit Leaf Cay, another island in the breathtakingly beautiful Exuma Cays. Leaf Cay is home to dozens of friendly Iguanas just waiting to meet you!

Learn more at: www.islandworldadventures.com



Pirates of Nassau

Discounted admission: \$10 for adults, \$5 for children (up to age 17) and with each paying adult, one child under 12 will be free.

Located in downtown Nassau, Pirates of Nassau is a true landmark nestled in three historical buildings: The Slave Kitchen, which is approximately 200 years old; the Loft house, which is approximately 150 years old and the Marlborough Arms, which is approximately 100 years old. The exhibit, which opened in 1998, is a world-class interactive experience that has been called "the Best Pirate Exhibit in the World," by Dr. David Cordingly, author of "Under The Black Flag," former head of exhibitions at the Greenwich Maritime Museum and renowned contemporary authority on pirates.

Learn more at: www.piratesofnassau.com



Power Boat Adventures

Discounted admission: 20% off of tour price

Board one of our custom built 1000hp offshore powerboats for an exhilarating 55-minute ride to the Exuma cays some 38 nautical miles away from Nassau. Hold on tight and feel the rush of wind as our boats slice through the crystal clear Bahamian waters at 40mph and above. Pulling in to the secluded Allen's Cay you will meet the protected Allen's Cay Rock Iguana (*Cyclura cyclura inornata*). We call this critically endangered species the Bahamian Dragon and have often provided transportation for research and environmental teams to Allen's Cay to aid in the study and conservation of these lizards. A few photo opportunities with these amazing and ancient creatures and we are ready to launch the boats back into a high-speed ride up to our own private and secluded island paradise, Ship Channel Cay. When we arrive, you will be greeted by our indigenous 'customs officers' the wild boars. Our converted fishing cottage provides shelter from the blazing island sun, while our numerous decks provide a place to sit, chat or just watch the world go by. We offer a full bar, lunch and time to enjoy the beautiful beaches.

Learn more at: www.powerboatadventures.com



Stuart Cove's Aqua Adventures

Discount: 20% off programs

Stuart Cove's Dive Bahamas is Nassau's leading full service dive resort. Located on the southwest side of New Providence Island, Stuart Cove's is in the ideal physical location to take advantage of the diverse underwater geological formations. As such, dive sites are available for divers with no experience all the way up to expert-level dives including four new shipwrecks that they have helped place in the last two years. A wide spectrum of diving activities is available: night dives, over 13 diving locations including steep vertical walls that plummet to 6,000 feet of depth, shallow tropical reefs, ship or airplane wrecks, and numerous locations that were used as underwater movie sets for feature films. They also offer Shark Adventure and Wall Flying Adventure programs.

Learn more at: www.stuartcove.com



Side Trip to Treasure Cay Hotel, Resort and Marina in Abaco

Discount: 25% off of regular room rates

Treasure Cay is a quaint Bahamian village community located less than 200 miles from the east coast of Florida and just North of Nassau. "Breathtaking" is the only word for the world-renowned Treasure Cay Beach; a 3.5-mile stretch of powdery white sand, matched only in

brilliance by the turquoise water caressing its shore. Treasure Cay Hotel Resort & Marina has embraced the charm of this community. One feels like a local living in lovely Bahamian-style rooms and villas, eating authentic island cuisine in the resort's restaurants or by sharing grocery store visits, shopping for beachwear, and breathing sweet scents from the bakery. Many visitors arrive by boat and enjoy the first-class amenities offered at the 150 slip marina. "Live like a Local"; rent a motor boat, find a private beach, go barefoot, or tour neighboring islands and cays. The best part is; one can relax and do nothing at all, or be adventurous and golf the 18-hole Dick Wilson designed course or try fishing Abaco's legendary waters, snorkeling and diving. At Treasure Cay Hotel Resort & Marina, it's all about enjoying island living.

For reservations in the U.S. call 1-800-327-1584, outside the U.S. call 1-954-525-7711

Learn more at: www.treasurecay.com

Student Travel Award Winners

After thorough and thoughtful review of highly-qualified student applications for the 2006 IAAAM Student Travel Awards, the Student Liaison Committee recommended that each of the following four students be awarded \$500 to defray their costs for the upcoming conference:

* Allison Tuttle, North Carolina State University: "Evaluation of the tissue reactions in the skin of the African-clawed water frog (*Xenopus laevis*) to five commonly used suture materials"

* Reza Fard, Leibniz-Institute of Freshwater Ecology and Inland Fisheries, Berlin: "Attachment, colony formation, and encystment in *Spiroplasma salmophilum* (Diplomonadidae)"

* Sally Davis, North Carolina State University: "Sea hare (*Aplysia californica*) health status investigation based on hemolymph factors"

* Jenny Meegan, Mystic Aquarium and Institute for Exploration: "Serosurveillance of wild bottlenose dolphins (*Tursiops truncatus*) and evaluation of both newly developed marine-specific and commercially available *Brucella abortus* serologic tests for the detection of antibodies to marine-origin *Brucella*"

The Registry of Tumors in Lower Animals

The mission of the National Cancer Institute's Registry of Tumors in Lower Animals (RTLA) is to facilitate scientific discovery in the fields of comparative pathology, oncology, and biology by providing access to a dynamically updated archive of pathological specimens, historical data, and literature pertaining to cold-blooded vertebrates and invertebrates. The RTLA archive contains tissue specimens, case histories, and images pertaining to greater than 7,600 case accessions that have been contributed from worldwide sources during the past forty years, as well as a collection of more than 7,300 reprints from scientific publications related to neoplastic disease in lower animals.

Thanks to funding by the NCI, consultation is provided at no cost to the contributor, and case submission forms and instructions are located on the RTLA Web page. In addition to consultation services, the RTLA provides tissue specimens for retrospective studies, participates in collaborative research, sponsors teaching workshops, and offers internship opportunities. Please take a moment to review our interactive Web site at www.pathology-registry.org, or contact us about visiting our facility in Sterling, Virginia, located close to Dulles International Airport.

Upcoming Meetings and Education Opportunities

- | | |
|-----------------------|--|
| 6-10 May 2006 | IAAAM , Dolphin Encounters, Nassau, The Bahamas
(http://www.wyndhamnassauresort.com/).
Fish practitioner workshop on the 11th. |
| 2007 | IAAAM , The Mirage Hotel, Las Vegas, Nevada. |
| 2008 | IAAAM , Rome, Italy. |
| 23 – 27 April 2006 | Association of Reptilian and Amphibian Veterinarians conference, Baltimore, MD. http://www.arav.org/ |
| 30 May – 2 June 2006 | 8 th Annual International Conference on Exotics (ICE), Bonita Springs, FL. For more information: www.exoticdvm.com/ice . |
| 5 – 16 June 2006 | Diseases of Warmwater Fish Course. University of Florida, Ruskin and St. Augustine, FL. For specific details and online registration go to http://www.conference.ifas.ufl.edu/ame/wwf/index.html . |
| 17 – 21 June 2006 | 86 th Annual Meeting of the American Society of Mammalogists, University of Massachusetts, Amherst, MA. Will include a symposium on large-scale marine ecosystem change and the conservation of marine mammals. http://asm06.org/ |
| 19 – 24 June 2006 | SEAVET II, University of Florida. SEAVET II is designed to train senior veterinary students and graduate veterinarians about Florida's aquatic megavertebrates, including crocodilians, manatees, dolphins, sea turtles, and a small section on pinnipeds. The goal is to give a thorough overview of clinical medicine to the level of the ACZM board examination.
http://conference.ifas.ufl.edu/seavet2/index.html |
| 6 – 10 August 2006 | Annual Meetings of the Wildlife Disease Association and the American Association of Wildlife Veterinarians, University of Connecticut, Storrs.
www.conferences.uconn.edu/wildlife . |
| 12 – 15 November 2006 | Defenders of Wildlife Marine and Terrestrial Carnivore Conference--Carnivores 2006: Habitats, Challenges, and Possibilities. Will include session on dolphin foraging ecology. (www.carnivoreconference.org) |

Continuing Education in Aquatic Animal Health

The Canadian Aquaculture Institute, in association with the Atlantic Veterinary College at the University of Prince Edward Island, is offering the following CE programs and workshops during the Spring/Summer 2006:

- Mollusc Health and Disease Management (June 5 - 8, 2006)
- Advanced Pathology Techniques for Fish (August 14 - 18, 2006)
- Care, Handling and Use of Aquatic Animals (August 21 - 25, 2006)
- Molecular Biology Techniques (TBA)

For more information on these and other programs, please visit

<http://www.upei.ca/cai>

C.L. Davis Foundation Satellite Symposium - One Day Conference on Zebrafish Management, Husbandry and Diseases in association with the 37th Annual International Aquatic Animal Medicine Conference

One Day Conference, May 6, 2006, in conjunction with the 37th Annual Aquatic Animal Medicine Conference, May 6-10, 2006

The symposium agenda will include the anatomy and histology of the zebrafish *Danio rerio*, topics of research that are currently active, different types of housing systems, management aspects of zebrafish care including water quality, filtration, nutrition, stocks, husbandry techniques, health monitoring, surveillance of colonies, necropsy procedures, and typical diseases in a laboratory setting. In addition, federal regulations and guides will be discussed when housing aquatic species especially in those institutions that are following formal animal care guidelines.

The one day symposium will provide information on a wide range of zebrafish management and husbandry topics. The one day symposium is designed to help investigators, laboratory animal personnel, managers and veterinarians with information on the current issues involving zebrafish.

Faculty:

* Michael Kent Ph.D., Director of the Center for Fish Disease Research and Professor, Oregon State University, Corvallis, Oregon

* Joseph M. Scimeca DVM., Ph.D., Director Laboratory Animal Program, Southern Illinois University, Carbondale, Illinois

* Claudia Harper DVM., Senior Clinical Veterinarian, Massachusetts General Hospital, Center for Comparative Medicine, Charlestown, Massachusetts

Cost: Davis Foundation Members: \$150.00

To download a printable registration form, visit

<http://www.afip.org/CLDavis/2006satellite.registration.html>.

2006 Marine Mammal Histopathology Workshop

May 5, 2005, Nassau Bahamas, in conjunction with the International Association for Aquatic Animal Medicine Annual Conference.

This is the first marine mammal histopathology workshop with an intention to become a regular feature of the IAAAM meeting. If all goes well the goal is to integrate this workshop into the CL Davis program in future years. The structure of the workshop will follow that established with AAZV, AAVLD, primate path, and ACVP. The workshop will include a keynote presentation and case presentations from 12-15 veterinarians involved in marine mammal diagnostics. The workshop is designed to provide an informal but instructive atmosphere of open exchanges regarding health and disease in marine mammals. The workshop is open to all interested parties but registration is limited to 50 participants.

This year's guest speaker will be Dr. Joe Geraci. Joe will give us a historical perspective on marine mammal health, disease, and the role of pathology in marine mammal medicine.

Interested parties should send name, address, phone number, and E-mail information, and a \$20 check made out to SeaWorld, Inc to:

Dr. Judy St. Leger
SeaWorld
500 SeaWorld Dr.
San Diego, CA 92109
USA

Alternatively, they can fax this information along with their credit card information to the secured fax number 619-225-4292.

American College of Zoological Medicine (ACZM) Ultra-short Course

2006 ACZM Ultra-short Course

The ACZM Education Committee will sponsor a 1-day ultra-short course (Saturday, 6 May, 8 am to 5 pm) in conjunction with the International Association of Aquatic Animal Medicine Annual Conference

The IAAAM Annual meeting will be in Nassau, Bahamas May 6-10, 2006 (see http://www.iaaam.org/meeting/2006/2006_meeting.htm).

The ultra-short course is intended to:

- Introduce interested veterinarians to the ACZM and explain reasons for becoming a Diplomate of the American College of Zoological Medicine
- Describe how to become eligible to take the ACZM examination;
- Provide study and test-taking strategy, including a short mock exam and "How a fish veterinarian can pass the ACZM exam";
- Cover selected areas of invertebrate, fish, and marine mammal medicine in-depth.

This course is specifically designed not to overlap with the content covered at the ACZM Short Course, which will be held in July at the University of California, Davis.

Instructors will be Ruth Francis-Floyd, Craig Harms, Greg Lewbart, Tom Reidarson, and Andy Stamper.

The cost of this course is \$120 and will include a binder of ACZM information handouts, lecture materials and refreshments. The course will be limited based on the classroom size.

To register please mail registration (available at http://www.iaaam.org/meeting/2006/2006_meeting.htm)

and check by **14 April** to:

Craig A. Harms
North Carolina State University
Center for Marine Sciences and Technology
303 College Circle
Morehead City, NC 28557

Depending on availability, on-site registration may be available at an increased cost (\$135).

IAAAM Private Practitioner's Workshop/Sessions

Nassau, Bahamas

Thursday, May 11, 2006

8:00 am - 6:00 pm

Please plan on participating in one or both of the two private practitioner workshops, currently planned and in development. Format for both will include invited speakers (as well as submitted abstracts, time allowing) and round table discussion:

1) Mycobacteriosis in Recirculating Systems

Mycobacteriosis is an important problem in recirculating systems for both public aquaria as well as production aquaculture. This workshop/session is intended to explore, through lectures and round table discussions with knowledgeable experts in different aspects of the problem, a number of important issues surrounding this disease, including: current understanding of mycobacterial biology, relevant recirculating systems design, pathogenesis, diagnostics, vaccinology, and management/ treatment considerations.

Invited speakers:

Joseph O. Falkinham, III, Professor, Department of Biology, Virginia Tech

Dr. Falkinham is highly regarded in the field of mycobacterial ecology, specializing in non-tuberculous mycobacteria.

Ronald F. Malone, Chevron U.S.A. Professor, Department of Civil and Environmental Engineering, Louisiana State University

Dr. Malone is internationally recognized as a leader in the field of aquaculture engineering and recirculating systems design.

Stephen A. Smith, Professor, Department of Biomedical Sciences & Pathobiology, Virginia-Maryland College of Veterinary Medicine

Dr. Smith, our distinguished aquatic animal medicine colleague, has studied mycobacterial pathogenesis, disinfection, and vaccines.

Adel Talaat, Assistant Professor, Department of Animal Health and Biomedical Sciences, University of Wisconsin-Madison

Dr. Talaat (working with Dr. Renate Reimschuessel) developed a goldfish model for mycobacteriosis and currently studies mycobacterial pathogenesis on a genome-wide scale to generate useful therapies (drugs and vaccines).

2) Fish Vaccinology

Organized by Dr. Hugh Mitchell, Novartis

Vaccines have been an effective preventative medicine tool for terrestrial agriculture and zoo and wildlife species for many years. Vaccines have been in use for commercially important aquacultured finfish as well, but their great potential has not been realized to any significant degree for ornamental/public aquaria species.

This workshop/session is intended to provide background information on current vaccine use in commercially important finfish, vaccine production methods, considerations for development of new vaccines, autogenous vs. commercial types, caveats and limitations, current and future technology, and how to start a vaccine program.

Contact:

General Information for each workshop/session:

Roy Yanong, email: rpy@ifas.ufl.edu; phone: 813-671-5230, extension 104

Vaccinology Session:

Roy (info above) OR Hugh Mitchell, email hugh.mitchell@novartis.com

Hard copies of the **IAAAM Proceedings from 2002 – 2005** are available for \$10 (USA addresses) or \$15 (non-USA addresses), postage inclusive. Copies are also available for donation to libraries rebuilding from Hurricane Katrina. Send payment to

Lisa Mazzaro, Ph.D.

Mystic Aquarium

55 Coogan Blvd.

Mystic, CT 06355



The American College of Zoological Medicine

Dear IAAAM members:

For those of you who may be unfamiliar with our organization, we would like to take a moment to introduce you to the American College of Zoological Medicine (ACZM). Some members from IAAAM may be interested in joining the ACZM and for these individuals we would like to help guide you through the certification process of this veterinary specialty board. The mission of the ACZM is to further the health and well being of captive and free ranging wild animals by integrating the principles of ecology, conservation and veterinary medicine. Our membership has a tremendously diverse range of medical expertise in such areas as aquatic animal medicine, wildlife medicine, ecosystem health, reptile medicine, avian medicine, conservation medicine, zoo medicine, exotic pet medicine and numerous others. We believe this broad diversity gives this veterinary specialty college its unique value.

Becoming a board certified specialist is a challenging venture for anyone and we recognize that both the process to credential for the examination and the commitment to study and pass the two-day examination is significant. To assist those who may be interested in becoming board certified, a mentor from the ACZM, who can provide guidance and support, is always assigned to potential candidates. In addition, the ACZM supports several board review classes throughout the year to aid individuals in preparing for the examination.

Our college has seen a great deal of growth in recent years and we believe that this field of veterinary medicine represents an area of increasing importance and can provide significant service to animal, human and ecosystem health.

We would welcome the opportunity to discuss with your membership more about our college and its programs. Our website at ACZM.org also provides a wealth of information.

Sincerely yours,

The ACZM Executive Board

Mark Stetter, President
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IAAAM Membership Information

<http://www.iaaam.org/memberinfo.htm>

Complete membership information is available at the link above, which includes 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 MEMBER - Libraries and institutions wishing to receive our newsletters and meeting proceedings. \$70.00/year, discounted to 60.00/year if paid by 1 July.

Payment is due by July 1st, each year. If paying by check, be sure to make your check payable to “**IAAAM.**” Please send your completed membership form and payment to:

Tom Reidarson, DVM
SeaWorld of California
500 SeaWorld Drive
San Diego, California 92109
Tom.Reidarson@iaaam.org

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 (office), or by email (Craig.Harms@iaaam.org).

For membership information, including dues payment, and address changes contact Tom Reidarson, 500 SeaWorld Drive, San Diego, CA 92109 7904 or by phone at 619.226.3962 (office) or by email (Tom.Reidarson@iaaam.org).

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stsmith7@vt.edu

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murphyLP@vet.upenn.edu

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cdriscoll@dnr.state.md.us

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