



IAAAM NEWS

Volume 34, Number 1, January 2003

Rhonda A. Patterson, Editor

2003 IAAAM Conference in Hawaii

It is time to start getting your abstracts in for the 2003 Annual Meeting! What better diversion from the snow or icy rain, for those of you that have to content with the wintry elements, than to prepare your abstract while dreaming of the sun kissed sandy beaches of Hawaii. The 34th Annual IAAAM Conference will be hosted by Dolphin Quest in beautiful Waikoloa, Hawaii. The scientific program will feature both invited and submitted papers and a formal poster session with something of interest for everyone involved in aquatic medicine. The invited papers will highlight the aquatic medicine and conservation issues facing the terrestrial and marine ecosystems of Hawaii. The preliminary schedule is included on pages 10-11 of this newsletter and the deadline for abstracts is February 3rd! So don't delay!! The forms and samples for abstract submission are included in this newsletter and online (www.iaaam.org). I hope to see you in Hawaii.

Aloha!

Nina Young, President-Elect

Annual Conference Auction

Don't forget... We hope you have been squirreling away those donations for the annual auction at the conference in Hawaii. The perfect solution to those tacky gifts you all received over the recent holidays! Re-Gift them to the students of IAAAM!! Pack 'em up and bring them to Hawaii [Who could better use a ceramic dolphin or Fishes of Florida placemat?]

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The Newsletter of the International Association for Aquatic Animal Medicine is published four times a year (January, April, August, and November). An annual conference is held every year in early May, and proceedings from that conference are mailed out in June 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 WORDPERFECT, RTF (Rich Text Format), or WORD format. For submissions contact Rhonda Patterson, Newsletter Editor, at USM Box 5018, Hattiesburg, MS 39406-5018; phone (601-266-5710); fax (601-266-5797); or email (Rhonda.Patterson@iaaam.org).

For Membership Information and address changes contact Ilze Berzins, Director of Animal Health, Conservation and Research, at The Florida Aquarium, 701 Channelside Drive, Tampa, FL 33602; phone (813-367-4010); fax (813-209-2067); or email (Ilze.Berzins@iaaam.org).

Please mail dues to Don Stremme, Secretary-Treasurer, at 1129 Pine Street, Philadelphia, PA 19107-6035; phone (215-928-9289); fax (215-925-1510) or email (Don.Stremme@iaaam.org).

IAAAM Committee Representatives or Chairs

AVMA Animal Agriculture Liaison

Stephen A. Smith Tel (540) 231-5131
Stephen.Smith@iaaam.org

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Marty Greenwell Tel (312) 692-3223
mgreenwell@sheddaquarium.org

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val@uiuc.edu

AVMA Food Safety Liaison

vacant position

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kdarkush@ucdavis.edu

Site Selection

Sam Dover Tel (805) 968-7776
SDover@ksimaging.com

Student Liaison

Tracy Romano Tel (619) 553-1340
romano@nosc.mil

Update from the Student Liaison Committee Tracy Romano, Chair

The Student Liaison Committee would like to remind our student members of the new rules regarding the student travel awards and student presentation awards. Residents, postdocs, and interns remain eligible for both the student travel awards and the student presentation awards. It should be noted that there are some changes in the student presentation awards categories of Basic Research, Clinical Investigation, and Case Report to categories that reflect the education level of the students. The new categories will include: 1) Postdocs, residents, interns, (and any other students that have received a veterinary degree) 2) Undergraduate students, veterinary students, and graduate students (both Master's and PhD) 3) Posters (the poster category will remain as one category and include all levels of education). The new student presentation award categories will take effect at the next meeting in Hawaii.

AUTHOR AND ABSTRACT INFORMATION FORM
International Association for Aquatic Animal Medicine
34th Annual Conference, Hawaii's Big Island
May 10 - 14 , 2003

Please note that there have been changes made to this form. All information must be printed clearly or the submission will not be accepted. All of the information on this form must be filled out in order for the organization to continue to be accredited for CE credits. If any information is missing the abstract will not be accepted. **NO EXCEPTIONS WILL BE ALLOWED!**

Corresponding Author

Contact Address for corresponding author

Phone

FAX

E-mail (this information is crucial to informing you of receipt and acceptance of your submission)

Institutional Address for corresponding author (if different from above)

Phone

FAX

Personal information on corresponding author

Degrees (if any) obtained

Area(s) of interest

Title of presentation

Author(s) **NOTE - Mark presenting author with an asterisk (*)**

Preferred type of presentation:

_____ Platform Standard _____ Platform Case Report _____ Poster

Student Presentation? _____ NO _____ YES

If Student, highest degree(s) completed to date?

_____ DVM _____ PhD _____ MS _____ Undergraduate

If Student, educational program currently enrolled in:

_____ DVM _____ PhD _____ MS _____ Undergraduate

_____ Residency _____ Internship _____ Postdoc

Type of Student Presentation:

_____ Basic Research _____ Descriptive Investigation

_____ Case Report _____ Poster

Audio/Visual Requirements (please check all that apply):

_____ Single slide projector _____ Overhead projector _____ Video

_____ Dual slide projector _____ Computer/Powerpoint (Windows)

Mail/email/fax this form along with one hard copy of the full abstract and/or paper, plus a disk (IBM formatted disk ONLY) copy - preferably as a Rich Text Format document by **FEBRUARY 3, 2003** to:

Nina M. Young, Director, Marine Wildlife Conservation	
The Ocean Conservancy	202-857-3276 (phone)
1725 DeSales St. NW, Suite 600	202-872-0619 (fax)
Washington DC 20036	nyoung@oceanconservancy.org

Note: Student wishing to participate in the Student Travel Awards competition must also submit their abstracts under separate cover to the Student Liaison Committee (c/o Dr. Tracy Romano, romano@nosc.mil) by **January 15, 2003**. Important Note - Student abstracts must be 500 words or less to be considered for Travel Award.

FORMAT INSTRUCTIONS FOR IAAAM ANNUAL PROCEEDINGS, 2003

Authors are encouraged to use the enclosed sample as an example of format and structure.

1. Submit one hard copy of the abstract/manuscript and one copy (Rich Text Format **ONLY**) on disk (IBM-compatible **ONLY**). Label the disk with your name, title of paper, and word processing program.
2. Use one inch (1") margins on both sides, top and bottom of each page. Text should be full justified (do not use left or right alignment). Do **not** number pages.
3. The entire title should appear in **BOLD UPPERCASE** letters at the top of the first page, using a Times or Times Roman font with a 14 point type size.
4. Names and current professional affiliations of all authors should be listed below the title at the top of the first page in **bold**. The name of the author presenting the paper should be identified with an asterisk (*), and affiliation addresses should be italicized.
5. Start the abstract/manuscript with the heading **ABSTRACT** in bold uppercase letter, then skip a double space before starting abstract/manuscript text.
6. The text of the abstract/manuscript should be single-spaced, using a Times or Times Roman font (size 12) throughout the text. Scientific names should be given in *italics*.
7. Student abstracts must be 500 words or less to be considered for Student Travel or Presentation Awards.
8. Avoid heavy solids or graphics with dark backgrounds. Simple line drawings or graphics reproduce the best and are encouraged.
9. References, if included, should be cited in the abstract/manuscript text with superscript numbers and the **LITERATURE CITED** section should be arranged alphabetically at the end of the manuscript. All references contained in the reference list must be cited in the text. Citation style is provided in the enclosed example.
10. Students should send separate copies to the Program Chair (Nina Young) with student classification noted and to the Student Travel Awards Committee Chair (Dr. T. Romano) to apply for travel support. Student abstracts are submitted in one of four categories: Basic Research, Descriptive Investigation, Case Report or Poster.
11. Double-check for spelling errors and compare your format with the enclosed sample!
12. The abstracts should be informative and stand alone. Using "to be described or discussed" is not acceptable.

SAMPLE FORMAT FOR IAAAM PROCEEDINGS, 2003

THE USE OF BRONCHOSCOPY AND FUNGAL SEROLOGY TO DIAGNOSE *Aspergillus fumigatus* LUNG INFECTION IN A BOTTLENOSE DOLPHIN (*Tursiops truncatus*)

Thomas H. Reidarson*, Jim McBain

Sea World of California, 1720 South Shores Road, San Diego, CA 92109

James H. Harrell

Division of Pulmonary and Critical Care Medicine, University of California, San Diego, CA 92103

ABSTRACT

A five year old male bottlenose dolphin developed a harsh cough in August of 1995. The dolphin was born at Sea World of Texas in August of 1991 and was moved to Sea World of California in September of 1993. Prior to this, the dolphin's medical history was unremarkable.

On physical examination the dolphin appeared slightly underweight and had prolonged inspiration and expiration. Laboratory tests indicated inflammatory disease, and radiographs demonstrated a 4-5 cm focal alveolar pattern in the left caudal lung lobe surrounded by mild to moderate interstitial changes. Blowhole samples for cytology were unremarkable and cultures grew normal blowhole flora consisting of *Morganella morganii*, *Staphylococcus intermedius*, and *Vibrio alginolyticus*.

The dolphin was originally treated for a bacterial pneumonia with cefurozime at 20 mg/kg BID. Although laboratory work.....

Before attempting bronchoscopy, it was important to review normal cetacean upper respiratory tract anatomy.^{1,2} With this in mind, we initiated.....

ACKNOWLEDGEMENTS

This work was supported by a grant from..... The authors wish to thank.....

LITERATURE CITED

1. Cranford, T.W., M. Amundin, and K.S. Norris. 1996. Functional morphology and homology in the odontocete nasal complex: Implications for sound generation. *Journal of Morphology* 222:223-285.
2. Ridgway, S.H., and D.A. Carder. 1988. Nasal pressure and sound production in an echolocating white whale (*Delphinapterus leucas*). In: Nachtigall, P.E. and P.W.B. Moore (eds.). *Animal Sonar Systems: Processes and Performance*. Plenum Publishing Corp., New York, Pp. 53-60.

NOTE: ABSTRACTS ARE NOT REQUIRED TO CONTAIN REFERENCES. EXPANDED ABSTRACTS CONTAINING CHARTS, GRAPHS, ETC., ARE ENCOURAGED. FULL MANUSCRIPTS ARE ALSO WELCOME AND HEADINGS SUCH AS METHODS, RESULTS, AND DISCUSSION SHOULD BE FORMATTED AS ABOVE.

Call for Student Travel Award Applications

The Student Liaison Committee has been appropriated the sum of \$2000.00 to award to students intending to deliver **oral** presentations at the annual IAAAM conference in May 2003. The intentions of the awards are to defray the cost of travel to the May 10-14, 2003 conference in Hawaii to promote student participation in the professional program, and to further the commitment of the IAAAM to its students. Moneys will be awarded on a competitive basis, with the goal of supporting as many students as possible. Undergraduate students, Masters and PhD students, veterinary students, postdocs, and veterinary interns/residents are eligible. The requirements for all applicants include the following:

- * A cover letter that describes the future plans of the applicant with regard to aquatic animal medicine.
- * A copy of the abstract of the paper to be presented. This abstract must not exceed 500 words in length. Only abstracts will be considered.
- * Curriculum vitae and two (2) letters of recommendation, one of which must be from an active member of the IAAAM.
- * An itemized budget that details the travel expenditures (i.e. airfare, lodging, meals, etc) and indicates the funds available from student stipends and personal resources.
- * The student presenter must be a member (with dues paid up-to-date) of the IAAAM.

The Director of Education of the Board of Directors of the IAAAM and the Student Liaison Committee will review the applications. Applicants will be ranked according to judgement criteria that will include: the quality of the written abstract (500 words or less), the justification/significance of the work, the complexity of the work relative to the student's academic achievements, and the commitment of the student to aquatic animal medicine. The intent of the Student Liaison Committee and the Board of Directors is to fund as many students as possible, beginning with the highest ranked and continuing through the list of ranked applicants until the appropriated funds have been exhausted. No awards will exceed \$500.00. The rankings will be determined from the entire pool of applicants; separate awards for different academic classes of applicants (i.e. undergraduate, graduate, veterinary) will not be offered.

The deadline for applications is **January 15, 2003**, and recipients will be contacted by March 1, 2003. **Students submitting abstracts for the travel award competition must separately submit their presentation for acceptance into the conference proceedings.** The Secretary/Treasurer of the IAAAM will be notified and will send checks to the successful applicants. The Student Liaison Committee and the IAAAM Board of Directors welcome this opportunity to assist deserving students.

Candidates should send their application information to the following address:

Tracy Romano, PhD	Phone: (619) 553-1340
Texas A&M University	Fax: (619) 553-5068
Dept. of Veterinary Anatomy and Public Health	E-mail: romano@nosc.mil
VMA Bldg. Room 107A	
College Station, Texas 77843	

IAAAM Annual Meeting, May 9th - 16th, 2003
Hilton Waikoloa Village
Conference Registration

Name:

Affiliation/Institution:

Spouse/Significant Other:

Address:

City/State/Postal Code:

Country:

Telephone:

E-Mail:

Conference Registration Fees (\$ USD)

Member (Full Registration)		\$295
Member's Spouse/Guest		\$195
Non-Member (Full Registration)		\$345
Non-Member (Spouse/Guest)		\$245
Student (Includes proceedings, no lunch or banquet)		\$125
Student Lunch	# of lunches:	each \$ 25
Student Banquet		\$ 75

Pre-Conference Workshop and Wet Lab Sign-Up

Preference for May 10th
(1, 2 or 3)

Immunology for Aquatic Animal Clinicians (May 9th, 9am - 5pm)	\$ 80	
Sea Turtle Necropsy and Hematology (May 10th, 5am - 5pm)	\$250	_____
Clinical Applications of Laparoscopy & Anesthesia for Fish (May 10th, 8am - 4pm)	\$175	_____
Practical Concepts & Techniques of Ultrasound in <i>Tursiops truncatus</i> (May 10th, 8am - 4pm)	\$175	_____
Clinical Cytology Interpretation on Routine Sampling of <i>Tursiops truncatus</i> (May 10th, 12pm - 4pm)	\$ 35	_____

TOTAL: \$ _____

Payment Method: ☐ Check Enclosed

☐ Credit Card, VS, MC, AX, DC, DIS

Credit Card Number:

Expiration Date:

Name on Credit Card:

Signature: _____

Payment:

Please include either check (payable to Dolphin Quest) or Credit Card number with this form. A copy of front and back of credit card must accompany this form. All attendees must fill out individual registration forms. All forms are due by April 9th, 2003. All forms received after April 9th will be assessed a 10% late fee.

Full Registration Includes:

Conference Proceedings (Member)

Continental Breakfasts, Coffee Breaks, Catered Lunches

Admittance to all Scientific Sessions

Awards Banquet

Icebreaker Reception

Wine & Cheese Poster Session

Beach Party

Return Completed Form to:

Dolphin Quest Hawaii, Kurt Allen

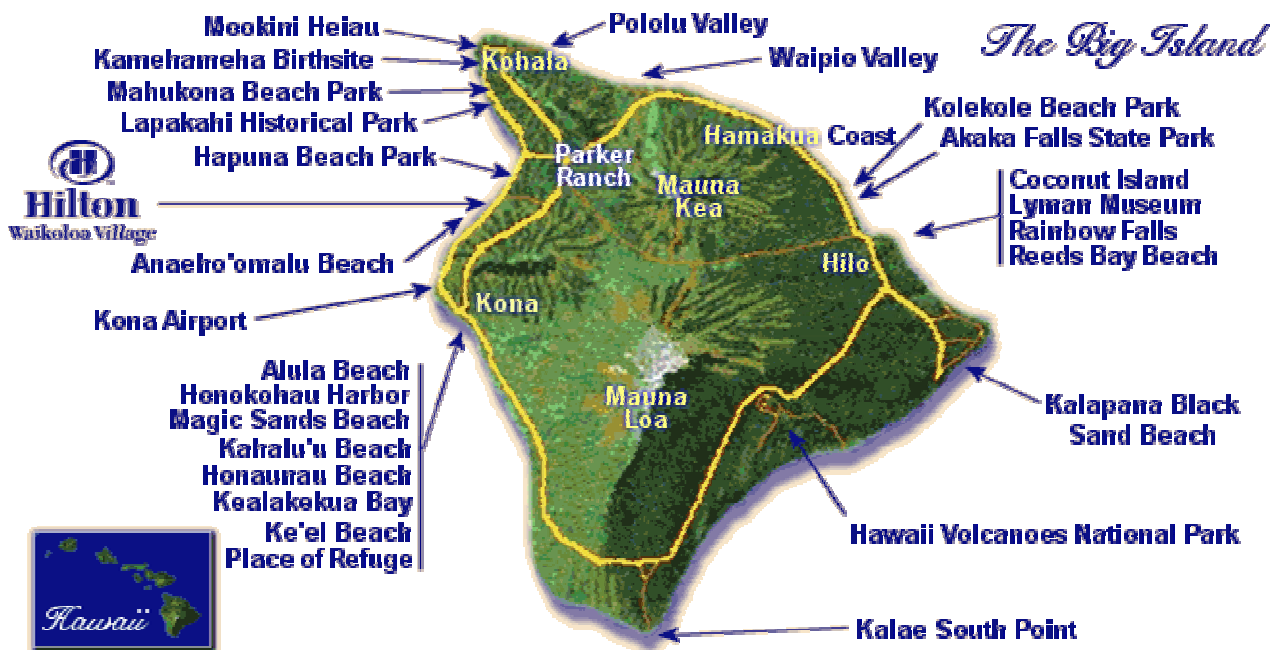
425 Waikoloa Beach Drive

Waikoloa, Hawaii 96738 USA

Phone: 808.886.1234 extension 1417

Fax: 808.886.5565

Email: kallen@dolphinquest.org



Preliminary Agenda for 34th Annual IAAAM Conference

Friday, May 9th

Workshop

- * Immunology for Aquatic Animal Clinicians (9 am - 5 pm) - Patterson

Saturday, May 10

Board Meeting (9 am to 4 pm)

Conference Registration (10 am to 6 pm)

Workshops/Wetlabs

- * Clinical Applications of Laparoscopy and Anesthesia for Fish (8 am - 4 pm) - Dover, Stetter, and Lewbart
- * Practical Concepts and Techniques of Ultrasound in Tursiops truncatus (8 am to 4 pm) - Brook and Stone
- * Clinical Cytology Interpretation on Routine Sampling of Tursiops truncatus (12 pm to 4 pm)- Sweeney and Wolden
- * Sea Turtle Necropsy and Hematology Wet Laboratory (5 am to 5 pm) - Work

Ice Breaker (7 to 10 pm)

Sunday, May 11

Conference Registration (8 am to 6 pm)

Opening of Meeting (8:00 am)

8:30 - 10:30 am Plenary Session - Aquatic Animal Health and Conservation Issues in Hawaii

- * Hawaiian Monk Seal Conservation, Sea Turtles, NWHI Refuge/Resrv., and Humpback Sanctuary

10:30 - 10:45 am Coffee Break

10:45 am - 12:30 pm Scientific Session I - *Emerging issues and environmental marine mammal/fish health threats*

12:30 - 1:30 pm Lunch

1:30 - 3:30 pm Scientific Session II - *Infectious Disease I*

3:30 - 4:00 pm Coffee Break

4:00 - 5:00 pm Scientific Session III - *Epidemiology and Infectious Disease II*

5:00 - 6:00 pm Business Meeting

Dinner on own

Monday, May 12

Conference Registration (8 am to 6 pm)

8:00 - 10:00 am Scientific Session IV - *Immunology and Molecular Biology*

10:00 - 10:45 am Coffee Break

10:45 am - 12:00 pm Scientific Session V - *Rehabilitation, Conservation, and Recovery*

12:00 - 1:00 pm Lunch

1:00 - 3:30 pm Scientific Session VI - *Fish, Fish, and More Fish*

3:30 - 4:00 pm Coffee Break

4:00 - 6:00 pm Workshops and Round Tables

- * Clinical Conundrums, Erysipelas, and Student Workshop

6:30 - 9:30 pm Poster Session with Wine and Cheese Reception

Preliminary Agenda for the 34th Annual IAAAM Conference (continued)

Tuesday, May 13

Conference Tour Day or Free Day

People will need to sign-up ahead of time (additional costs associated with these trips)

Options of Big Island recreation tours, Volcano National Park, snorkeling, scuba diving, whale watching, horseback riding, Big Island aquaculture, etc., etc.

6:00 pm - Beach Party

Wednesday, May 14

8:00 - 10:00 am Scientific Session VII - *Clinical Cases I*

10:00 - 10:45 am Coffee Break

10:45 am - 12:00 pm Scientific Session VIII - *Clinical Cases II*

12:00 - 1:00 pm Lunch

1:00 - 4:00 pm Scientific Session IX - *Novel techniques in diagnosis and therapy*

4:00 - 7:00 pm Banquet preparations and free time

7:30 pm - 12:00 am Banquet and awards ceremony

Thursday, May 15

Here are some suggestions for those who are staying on

Oahu

Dolphin Quest Oahu

Waikiki Aquarium

Sea Life Park Hawaii

Aquaculture in Hawaii

Oceanic Institute - Aquatic development programs

Maui

Maui Ocean Center

Hike Haleakala - La Haina

You can also work with Kathy Clark Meetings & Incentives (KCMi Hawaii), who is organizing special tours and outdoor outings throughout the conference for you and your family to help you explore and enjoy the Big Island of Hawai'i.



HOTEL RESERVATIONS
IAAAM Annual Meeting
May 9th - 16th, 2003
Hilton Waikoloa Village
(Reservations due by April 9th, 2003)

Hotel Reservations may be made either by phone or through the Internet. Special conference rates have been set up and are listed as follows:

Golf, Garden or Mountain View Room:	\$130.00
Partial Ocean View Room:	\$175.00
Deluxe Ocean View Room:	\$205.00
(Rates are in USD and do not include 11.41% State Occupancy Tax)	

These views are based upon availability at the time the reservation is made. Special information about resort fees for the hotel can be found on the IAAAM web site under "Our Next Meeting" section.

The following instructions should be followed when making reservations:

PHONE RESERVATIONS:

866.223.6574 (Toll free in the US)

808.886.1234 (Direct)

Please indicate that you are making reservations for the IAAAM Conference and the Group Code is "AAM". By mentioning this code, it will guarantee you the special conference rate.

INTERNET RESERVATIONS:

1. Go to: www.Hilton.com
2. Search for "HAWAII" properties
3. Choose "**Hilton Waikoloa Village**"
4. Choose "**Book a Room**"
5. Fill in desired dates and include "AAM" in the box marked Group/Convention Code
6. Choose room type and fill in information. Foreign currency conversion is available at this point.
7. Complete reservation.

Reservation Policies

Deposit: A two (2) night deposit is required to secure a room reservation. This deposit is fully refundable if you cancel the reservation more than 72 hours prior to arrival. Checks and major credit cards are acceptable to establish prepayments. Credit cards will be charged immediately upon reservation being made.

Check-in time: 3:00pm

Check-out time: 12:00pm (noon)

Hotel Information:
Hilton Waikoloa Village Resort
425 Waikoloa Beach Drive
Waikoloa, Hawaii 96738
Telephone: 808.886.1234
Fax: 808.886.2902
www.Hilton.com
www.HiltonWaikoloaVillage.com

34th Annual IAAAM Conference Pre-Conference Wet Laboratories and Workshops

Immunology for Aquatic Animal Clinicians-

Rhonda Patterson

May 9, 2003 9am to 5pm

This workshop is directed towards veterinarians that would like an introduction or a review of basic immunological principles. The emphasis will be on the interrelatedness of the various components and divisions within the immune system. Given the diversity of organisms represented by aquatic animals there will be a brief section on the comparative immunology of these various organisms. The information provided (including the terminology that will be defined) will be of practical use for clinical situations. Hard copies of the PowerPoint presentations will be provided (along with disk copies for those who are interested). The last part of the day will include informal discussion time with a few researchers (Aldridge, DeGuise, Middlebrooks, Romano, and Stott) and what their projects could mean to your work as clinicians. Lunch is included.

Participant number - 40

Cost: \$80.00

Sea Turtle Necropsy and Hematology Wet Laboratory

Dr. Thierry Work

May 10, 2003 5am to 5pm

This wet laboratory is for clinicians interested in post-mortem and clinical hematology techniques for sea turtles. Clinicians will participate in a demonstration and get hands-on experience in performing a necropsy of green sea turtles. Topics to be covered include basic anatomy, proper sample collection for histopathology, and brief discussions on major diseases of wild sea turtles. Hematology section will cover recognition of different white cell types of sea turtles, methods to conduct standard hematology (total white and red cell counts, differentials), and pros and cons thereof.

Participants will travel as a group from the Big Island to Oahu for this laboratory. All airfare and ground transportation is included in the cost of this laboratory. Lunch is included.

Participant number -10

Cost: \$250.00

Clinical Applications of Laparoscopy and Anesthesia for Fish-

Sam Dover, Mark Stetter, and Greg Lewbart

May 10, 2003 8am to 4pm

This full day workshop and wet laboratory is for the aspiring and veteran fish veterinarian. This course will be broken up into a morning classroom session (that focuses on an introduction to equipment, techniques, and case reports), and a hands on afternoon wet laboratory. Lunch is included.

Participant number - 12

Cost: \$175.00

34th Annual IAAAM Conference Pre-Conference Wet Laboratories and Workshops Continued

Practical Concepts and Techniques of Ultrasound in *Tursiops truncatus*

Fiona Brook and Rae Stone

May 10, 2003 8am to 4pm

This is a full day intensive workshop designed specifically for the marine mammal clinician with a basic understanding of ultrasound and at least some limited experience in dolphin ultrasonography. Through classroom teaching, case reports and "hands on" animal experience, participants will be exposed and trained in basic ultrasonographic anatomy, examination, and interpretation. A major focus of this workshop will be in reproductive ultrasonography and fetal monitoring. Lunch is included.

Participant number - 12

Cost: \$175.00

Clinical Cytology Interpretation on Routine Sampling of *Tursiops truncatus*

Jay Sweeney and Bill Wolden

May 10, 2003 12pm to 4pm

Clinical cytological examination is an integral part of the routine physical examination of *Tursiops truncatus*. This workshop is designed for veterinary students and veterinarians with limited experience in basic diagnostic cytology in *Tursiops truncatus*. We will introduce participants to sample collection, preparation, and diagnostic interpretation. The handbook of cetacean cytology is included.

Participants - 20

Cost: \$35.00

Other Educational Opportunities

Internship in Aquatic Animal Medicine

A one year veterinary internship is being offered by the National Aquarium in Baltimore. The collection includes over 550 species of invertebrates, fresh and salt water fishes, reptiles, birds, amphibians, mammals, and marine mammals. The intern will be involved in all aspects of exotic animal medicine and surgery including daily interaction with husbandry personnel, physical examination and sample collection, diagnosis, routine and emergency medical treatment, radiology, anesthesia, surgery, clinical pathology, and necropsy examination.

A DVM is required, and post-DVM training is desirable. Good communication and people management skills are essential. The salary will be \$24,000 plus benefits. Interested applicants should apply prior to February 14, 2003 by submitting a letter of intent, curriculum vitae, school transcript, and three letters of reference to: Dr. Brent Whitaker, Director of Animal Health, National Aquarium in Baltimore, 501 E. Pratt St., Baltimore, MD 21202; phone (410) 576-3853; fax (410) 576-1080; e-mail mmartin@aquaria.org

MEETING AND COURSE ANNOUNCEMENTS

First International Symposium on Bio-logging Science, March 2003

National Institute of Polar Research of Tokyo

This symposium aims at gathering researchers currently using or willing to use bio-loggers (data-recorders embarked on animals and that monitor life's parameters in situ). Details and further information can be found on the web page (<http://www.isc.nipr.ac.jp/~penguin/oogataHP/IndexC.html>) of the symposium. Please direct your inquiries to the following e-mail address: animal@nipr.ac.jp or to the organizing committee of the symposium on bio-logging science (National Institute of Polar Research, 1-9-10 Kaga, Itabashi-ku, Tokyo 173-8515 JAPAN)

TOXICOLOGY SHORT-COURSE FOR WILDLIFE PROFESSIONALS

FEBRUARY 22, 2003, Brookfield Zoo, Brookfield, Illinois, USA

MARCH 29, 2003, New England Aquarium, Boston, Massachusetts, USA

This course is being offered by the ASPCA Animal Poison Control Center in conjunction with the Brookfield Zoo in February 2003 and the New England Aquarium in March 2003. The goal of the one-day course is to enhance the medical care of wildlife species by providing education in the area of toxicology to wildlife professionals, including veterinarians, veterinary technicians, rehabilitators, biologists, students, and other interested animal care personnel. The day will include lectures on decontamination procedures, pesticides, herbicides, environmental pollutants, heavy metals, and biotoxins, and conclude with an evening roundtable discussion/question-and-answer session. Bound handout materials and continuing education credits will be available. For further information, please contact Dr. Lisa Murphy at 217-337-5030 x246 or lmurphy@apcc.aspc.org.

SIXTH INTERNATIONAL SYMPOSIUM ON FISH PARASITES

22-26 SEPTEMBER 2003: BLOEMFONTEIN, SOUTH AFRICA

The Sixth International Symposium on Fish Parasites will be hosted by the University of the Free State (www.uovs.ac.za) in Bloemfontein, South Africa from 22 - 26 September 2003. The International Steering Committee for the Sixth International Symposium On Fish Parasites selected this venue based on a bid submitted by the Aquatic Parasitology Research Group of the Department of Zoology and Entomology of the Free State University after the Aberdeen Group withdrew their offer to host the meeting in 2003.

Bloemfontein is a friendly small city and the capital of the Free State. It is also the judicial capital of South Africa and the seat of the Appeal Court. Bloemfontein Airport has daily flights in and out to Johannesburg and Cape Town as well as to other major centres (See tourist information: www.linx.co.za/bloemfontein/). The organizing committee of the Sixth International Symposium on Fish Parasites request that anyone interested in attending to contact us by e-mail (61sfp@rs.uovs.ac.za) so that we can place you on our mailing list.

**THE INTERNATIONAL ASSOCIATION
FOR AQUATIC ANIMAL
MEDICINE NEWSLETTER**
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Dr. Ted Hammond
Dr. Sam Ridgway

***Deceased**