



FISH HEALTH NEWSLETTER

American Fisheries Society/Fish Health Section

Volume 32 Number 2 July 2004

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President's Report:

As I sit preparing the agenda for the upcoming Fish Health Section EXCOM meeting, I find it incredible that my year as President is rapidly coming to a close. Beatle John Lennon once wrote that life is what happens to you on your way to somewhere else, and that's a pretty accurate summary of my past year. Plans and goals I envisioned were somewhat diverted by new and unforeseen issues, challenges and opportunities.

As I stated in previous issues, I was dismayed to discover our membership was declining last year. With lots of help (and a certain amount of arm-twisting), I think we have stopped, and hopefully reversed, that trend. A big part of the solution is for members to encourage, harass, etc your colleagues into joining. We're still making a concerted effort to reach out to other groups, such as aquatic animal veterinarians, ornamental fish biologists, students and academicians.

On a very positive note, Andy Goodwin, Sue Marquenski and many others are working hard to put the finishing touches on the newest edition of the Bluebook, which should be available on CD later this summer. These efforts continue to put the Fish Health Section and the U.S. Fish & Wildlife Service in the forefront of fish health issues in North America.

I'd like to recognize the latest group of individuals who have achieved certification through the Fish Health Section recently. Congratulations to newly certified pathologists Andrew E. Goodwin, Hui-Min Hsu, and George E. Sanders. In addition, six new Fish Health Inspectors have been certified since the last committee report: Anissa McGinnus, Cindy Rathbone, Deedra Hawk, Ken Staigmiller, Jason Woodland and Jim Thompson.

Hope to see you in Shepherdstown! Chris Wilson

Meetings:

2ND ANNOUNCEMENT - COMPARATIVE VIROLOGY OF AMPHIBIANS, REPTILES AND FISH: THE 6TH INTERNATIONAL SYMPOSIUM ON VIRUSES OF LOWER VERTEBRATES – see attached form: vlv_application

**Hakodate, Hokkaido, Japan
September 19th - 22nd, 2004**

Five times of the International Symposium on Viruses of Lower Vertebrates (ISVLV) held in Munich, Germany (1988), in Corvallis, USA (1991), in Jouy-en-Josas, France (1995), in Weymouth, England (1998) and in Seattle, USA (2002). During this period, studies on individual viruses of lower vertebrates have yielded substantial insights into important features of their biology. Especially, their molecular virological features provided with rapid progress of molecular biological techniques have conducted lots of novel prospects to us. The main purposes of the 6th ISVLV is to provide ample opportunity for discussions to bridge from the accumulating insights on molecular virology onto applied and environmental virology of lower vertebrates. We hope a lot of spirited virologists will join to the 6th ISVLV, which will be held in Hakodate, Hokkaido, Japan. The event will give scientists interested in viruses of amphibians, reptiles and fish the opportunity to discuss recent research findings in a fruitful, friendly atmosphere. The scientific program will include sessions on pathogenesis, immunity, structural biology, molecular biology, virus evolution and emerging viruses of lower vertebrates.

Prof. Yoshimizu, M.

Symposium Organizer and Chairperson
Graduate School of Fisheries Sciences,
Hokkaido University

Contact Site :

Co-organizer Assoc. Prof. Nishizawa, T.
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Schedule and Information of the 6th ISVLV

☆ Date : September 19th - 22nd, 2004

Sep. 19: Registration and Opening Reception at the 2nd Floor of Hakodate Kokusai Hotel

Sep. 20: Scientific Program (oral and/or poster sessions)

Sep. 21: Scientific Program (oral and/or poster sessions)

Banquet at the “Syunyou” in Hakodate Kokusai Hotel

Sep. 22: Optional Tour (Sightseeing around Hakodate area, from 9:00 AM to 8:00 PM)

☆ Place for the Meeting : Hakodate Kokusai Hotel

Address : Otemachi 5-10, Hakodate, 040-0064, Japan,

Phone : +81-138-23-5151, Fax : +81-138-23-0239

* The hotel is far about 10 min walking from Hakodate Station, and about 20min by taxicab with Yen 2,000 from Hakodate Airport.

* Information for the Hakodate Kokusai Hotel is available on the following web sites;

<http://www.hakodate.ne.jp/kokusaihotel> (Japanese), <http://www.hakodate-kokusai.jp>, and

<http://www.j-hotel.or.jp/welcome-e.html>

☆ Registration Fees :

* For participant to the 6th ISVLV : 35,000 Yen per person (40,000 Yen after the deadline), which includes the costs for the Opening Reception (Sep. 19th), the Banquet (Sep. 21st), and two Lunches (Sep. 20th and 21st).

* For the Optional Tour (Sep. 22nd) : 7,500 Yen per person, which includes the costs for a Lunch, a Dinner and Everything for the Optional Tour.

* In cancellation after the August 15th, 2004, 50% of the total fees will be returned.

☆ Deadline of Application, Abstract and Payment Forms : July 1st, 2004

- * After completed, the **Application Form** and **Abstract Form** (if you have paper) should be either emailed to jjnishi@fish.hokudai.ac.jp or airmailed to Nishizawa (Graduate School of Fisheries Sciences, Hokkaido University, Hakodate, 041-8611, Japan) until **July 1st, 2004**.
- * Complete the **Payment Form** with **Credit Card Number** and **Fax** to +81-138-40-8898 or airmail to Nishizawa (the address shown above) until **July 1st, 2004**. (**Note : Do not email the Payment Form!**)
- * All payments will be charged in Japanese currency and be made to **JTB Traveland** (Kamiso Daiei, Kamiiso-cho 4-44-1, 049-0111, Japan).
- * We can accept your registration fee at the Hakodate Kokusai Hotel, but it is 40,000 yen.
- * An **Application Form** for the participation, an **Abstract Form**, **Payment Form** and their **Entry Examples** are possible to download from the web site of our laboratory (<http://cell2.fish.hokudai.ac.jp/~cell/>).

☆ **Optional Tour:** we plan sightseeing of the following places;

- 1) Onuma Lake cruising (a semi-national park), 2) A lunch in Shikabe Royal Hotel, 3) A geyser and a foot-bathing hot spring in Shikabe, 4) A volcano visit (Mt. Esan), 5) Hakodate night-view from Mt. Hakodate and 6) A Dinner at Water Front in Hakodate, etc.

<http://www.city.hakodate.hokkaido.jp/kikaku/english/>

2005 Annual Meeting of the Fish Health Section, American Fisheries Society

In 2005 the Annual Meeting of the Fish Health Section will move to the Midwest. An offer to host the meeting by Joe Marcino of the Minnesota DNR has been accepted by the FHS. The meeting will be in the Minneapolis, MN area with the specific date in the summer not yet confirmed.

Announcements:

THE CARE, HANDLING AND USE OF AQUATIC ANIMALS - <http://www.upei.ca/fishcarecourse>

Date: August 23 - 27, 2004 (Registration Deadline is July 23rd)

Location: Atlantic Veterinary College in Charlottetown, Prince Edward Island

The Canadian Aquaculture Institute (CAI), in association with the faculty and technical staff at the Atlantic Veterinary College at the University of Prince Edward Island is offering this training course. It is aimed at professionals who are involved in the care and/or experimental use of fish, crustaceans and mollusks. This program will be of particular value to animal care and laboratory technicians and grad student-level researchers with entry to mid-level experience with aquatic animals. This program may also be of interest to veterinary and laboratory animal technicians, and technical staff in aquariums, zoos and aquaculture environments.

For more information, contact Christine Jackson, Program Coordinator 902-894-2839 or by email at acjackson@upei.ca

COURSE ON EMERGING ANIMAL HEALTH ISSUES IDENTIFICATION AND ANALYSIS

USDA-APHIS-CEAH-CEI

Source: http://www.aphis.usda.gov/vs/ceah/cei/brochure_2004.htm

Course Dates: September 14-17, 2004

Cost: No charge for course. Participants are responsible for their own travel costs, including transportation, lodging, meals, etc.

Location: Fort Collins, Colorado, USA

Register on-line: www.aphis.usda.gov/vs/ceah/cei, click on link under Upcoming Training

Registration deadline: July 1, 2004

COURSE ANNOUNCEMENT: FISH HISTOLOGY AND HISTOPATHOLOGY - <http://training.fws.gov>

Location: Olympia, WA

Dates: January 24 - 28, 2005

Course Code: FIS1350

Cost: \$850

BACTERIA FROM FISH AND OTHER AQUATIC ANIMALS: A PRACTICAL IDENTIFICATION MANUAL

Nicky B Buller, Animal Health Laboratories, Department of Agriculture, Western Australia

For researchers and diagnostic laboratories in veterinary science, aquaculture and related aquatic sciences, and microbiology this is the only published text available where all relevant material is referenced together. Including 16 pages of colour plates to aid identification.

This manual enables the isolation and identification of bacteria that are found in aquatic animals (particularly fish). The emphasis is on bacteria from farmed aquatic animals (fish, molluscs and crustacea) but some attention is also given to other marine and freshwater animals such as mammals and birds, both captive (as in zoos) or wild, as well as aquarium fish.

From the Foreword:

"Assembling this manual was a monumental task and its author, Nicky B Buller, is to be highly commended for providing this invaluable addition to aquatic microbiology" J A Plumb, Auburn University, Alabama, USA

Publication Date: February 2004

Number of Pages: 352 Pages

Binding: Spiral Bound

ISBN: 0851997384

Price: £65.00 (US\$120.00) – Available from a variety of sources including CABI Publishing, Amazon.com

ANATOMY AND HISTOLOGY OF THE CHANNEL CATFISH

This book was published by Auburn University in 1976 and has been reprinted in a CD version that will be sold through the AFS Bookstore. Price for AFS members is \$29.00 and for nonmembers is \$32.00. For additional information contact John Grizzle, grizzjm@auburn.edu.

NEW RISK ANALYSIS DOCUMENTS DEALING WITH AQUATIC ANIMAL MOVEMENT ARE AVAILABLE FROM APEC (ASIAN-PACIFIC ECONOMIC COOPERATION) FISHERIES WORKING GROUP http://www.apec.org/apec/publications/all_publications/fisheries_working.html.

Manual on Risk Analysis for the Safe Movement of Aquatic Animals, May 2004

This Manual was prepared as an output of the Asia-Pacific Economic Cooperation (APEC) Fisheries Working Group (FWG) project APEC FWG 01/2002 "Capacity and Awareness Building on Import Risk Analysis (IRA) for Aquatic Animals." The manual specifically addresses the risks associated with spread of aquatic animal pathogens with movement of live aquatic animals and their products.

APEC# 203-FS-03.1, ISBN974-92182-4-8, 74pp

PDF Downloads [300KB]

Capacity and Awareness Building on Import Risk Analysis (IRA) for Aquatic Animals, Proceedings, May 2004

The project's purpose was to strengthen and facilitate trade in aquaculture products in the APEC Region and improve public health protection in APEC economies through improving human capacity, standardizing approaches, and establishing networking that will facilitate exchange of information, experience and expertise. This report, which contains 26 technical presentations, is divided into four parts: (a) Background for Risk Analysis, (b) The Risk Analysis Process, (c) Risk Analysis and the World Trade Organization: Economies Experiences and (d) Strategies for Aquatic Animal Health.

APEC#203-FS-01.2, ISBN974-92215-1-6, 221pp

PDF Downloads [1.32MB]

Earlier publications available from APEC include:

Development of a Regional Research Programme on Grouper Virus Transmission and Vaccine Development, 2001

The workshop brought together representatives from twelve economies of APEC and member governments of NACA (Australia; Brunei Darussalam; China; Chinese Taipei.; Hong Kong, China; Indonesia; Korea; Malaysia; Philippines; Singapore; Thailand; and Vietnam); technical experts/specialists on grouper diseases, import risk analysis and aquatic animal vaccines from national governments, research institutes and universities and the private sector. A Framework of a Regional Research Programme on Grouper Health and Production was drafted.

APEC#201-FS-01.2, ISBN974-7604-91-4, 155pp

PDF Downloads [2MB]

Trans-Boundary Aquatic Animal Pathogen Transfer and the Development of Harmonized Standards on Aquaculture Health Management, 2001

This report presents the proceedings of the above workshop. The impetus to the workshop was the growing concern over the impacts of trans-boundary spread of aquatic animal pathogens, including their impacts on aquaculture industries in the Americas and the Asia-Pacific Region.

APEC#201-FS-01.1, ISBN 974-7313-27-8

PDF Downloads [1.89MB]

Husbandry and Health Management of Grouper, 2001

This practical guide is to aid farmers in grouper culture. It aims to help farmers improve production and reduce fish mortality thus utilize the existing grouper seed resources more efficiently.

APEC#201-FS-03.1, ISBN 9718511520

PDF Downloads [3.61MB]

Study into the Nature and Extent of Subsidies in the Fisheries Sector of APEC Member Economies, 2000

This study summaries the subsidies used globally in the fisheries sector, highlights those subsidies used within the APEC region.

APEC#00-FS-01.1

PDF Downloads [3.83MB]

Free Trade and Investment in the Fisheries Sector of the Asia Pacific Region: An Economic Analysis of Tariff, 1999

This study examines the economic impact of eliminating tariffs on fish and fish products in APEC economies.

PDF Downloads [572KB]

APEC Air Shipment of Live and Fresh Fish and Seafood Guidelines

This manual aims to assist in preparing the supplier/shipper to meet the expectations of APEC Economies' Customs regulations and help smooth the way in shipping live and fresh fish and seafood products.

APEC#98-FS-03.1, ISBN 0-9669316-0-2

PDF Downloads [1.09MB]

INFORMATION REQUEST - SAPROLEGNIASIS

Our Department is working on a proposal for a government research grant. The proposal intends to investigate treatment for fungal infections substituting malachite green. I understand that FDA put out a report on research done with malachite green. I am looking for names or contacts with some expert group or University that has worked on Saprolegniasis or other fungal diseases in fish. The grant allows collaboration with international institutions. Therefore, it would be highly important for us to initiate contact with people that would be willing to work with us on this project. The deadline for submitting the proposal is very soon. Thank you in advance for your help.

Sergio Contreras Lynch M.V.

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GUIDELINES FOR THE USE OF FISHES IN RESEARCH

www.fisheries.org/html/Public_Affairs/Sound_Science/Guidelines2004.shtml

The new 2004 Guidelines were developed to help scientists develop realistic understandings of fish in the design and conduct of research on fish and fish habitats. The Guidelines provide a structure that ensures appropriate attention to valid experimental design and procedures while ensuring humane treatment of fish. Written by the 11-member Uses of Fishes in Research Committee, the Guidelines provide recommendations on field and laboratory activities, such as sampling, holding, and handling fishes; information on administrative matters, including regulations and permits; and advice on ethical questions such as perceptions of pain or discomfort that may be experienced by experimental subjects. The 53-page document now includes many listings of web sites of value. The Guidelines have been developed for use by researchers within the U.S.; therefore, the roles, responsibilities, and information needs of Institutional Animal Care and Use Committees are given specific attention. However, the principles described in the Guidelines are applicable to research on fishes everywhere.

To order a printed copy of the Guidelines, contact:

Aaron Lerner, Publications Manager

American Fisheries Society

5410 Grosvenor Lane

Bethesda, MD 20814

phone: 301-897-8616, ext. 231

e-mail: alerner@fisheries.org

Cost:

\$7.00 per copy (includes shipping) within the United States

\$12.00 per copy (includes shipping) for mailing outside the United States

10 or more copies: \$4.00 per copy within the United States and \$7.00 outside the United States

Orders must be prepaid. Payment must be made in U.S. currency against a U.S. bank or paid by VISA or MasterCard.

Fish Health Newsletter – Editorial Policy

The *Fish Health Newsletter* is a quarterly electronic publication of the Fish Health Section of the American Fisheries Society and is available for downloading in Adobe pdf file format. Submissions on any topic of interest to fish health specialists and preliminary case reports are encouraged with the understanding the material is not peer- reviewed. Abstracts submitted to the *Journal of Aquatic Animal Health* are also encouraged. Submissions must be formatted in Microsoft Word, WordPerfect, or Rich Text Format, and can be sent by electronic mail or via 3.5” floppy disk to the editor’s address below. **Graphics files should be sent separately in jpeg format.**

Editor

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