



# Fish Health Section



The official link to the FHS website is: <http://www.afs-fhs.org/>

## FHS NEWS

### 2016 Annual Meeting in Jackson Hole, WY



Fish Health Section - American Fisheries Society

August 18, 2016

Dear Fish Health Section Members,

Here is a mid-summer 2016 update on what your section has been up to:

**2016 Annual Meeting in Jackson Hole, Wyoming** – The venue for the meeting was awesome with great views, good company and as ever a few heated and not so heated discussions. Brandon Taro and his team put on a great event, with 61 folk registered for the CE program, 110 registered for the main Western Fish Disease Workshop and 75 for the Aquatic Animal Drug Approval Coordination Workshop. In total, there were 7 posters, 35 oral presentations, 6 students registered (4 of them gave a total of 5 presentations). Megan Tomamichel won the student travel award and the best student oral presentation. There were 4 countries represented - US, Canada, Japan and France along with participants from 28 states. During the banquet the Doug Munson passed on the reins of the president's office to Dave Groman, and we were all honored with joint presentation to Mamoru Yoshimizu and Jerri Bartholomew of the 2016 Sniezko Award.

Congratulations!!!!!!!!!!!!!!

Bruce Stewart announced that the 2017 WFDW will be held in June 2017 in Olympia Washington. And, Mohammed Faisal helped to end this most successful gathering by inviting all members to Michigan State University in Lansing Michigan during the first week of April of 2017 for our next FHS Annual meeting. This meeting will take place in conjunction with the Great Lakes Fish Health Committee annual meeting and will be directly followed by the Eastern Fish Health Workshop. Keep the dates for this fish health extravaganza!

**FHS Business Meeting** – The minutes of the meeting are attached to this FHS Update. In short, discussions were undertaken on the following topics:

Veterinary Feed Directive (VFD)	2017 FHS & Western Meetings
Section membership & Recruitment	Credit Card Payments
Section awards Criteria	Students and Young Professionals
Fish Health Lab QA/QC Program	QA/QC Continuing Education
Potential By-Law changes for term of President	

**FHS Executive Meeting** – The minutes of the meeting are attached to this FHS Update. In short, discussion and decisions were provided on the following topics:

- a) AVMA Aquatic Veterinary Medicine Committee (lead by Tom Loch), discussion around the potential role of non-veterinarians as “nurse practitioners” in the US.
- b) Section Membership (lead by Doug Munson), discussion regarding lapsed memberships and ability to get List Server news, and also need to recruit new members.
- c) Sniesko Award (lead by Dave Groman), discussion on how the award criteria favors academic researchers and need to have a service tract to the award.
- d) Fish Health Lab AQ/QC Program (lead by Chris Wilson), is progressing well and several lab signed on. Proficiency testing will be the next step. Included were discussion on the format of Fish Pathologist Exam.
- e) International Meeting Oversight Committee (lead by Esteban Soto), it was announced that the bid to host the 2018 International Symposium from Prince Edward Island, Canada, was accepted.

f) AFS Fish Health Section 2017 annual meeting (lead by Dave Groman), meeting will be hosted by Michigan State University, and will occur in early April 2017. This meeting will include Great Lakes Fish Health Committee and will be followed by the Eastern Fish Health Workshop.

g) By-laws Amendment (lead by Doug Munson and Dave Groman), discussions were undertaken regarding the length of the President's term, and proposal to extend this to 2 years.

h) Other business (lead by Sascha Hallett), discussion ensued regarding payment for certification, need for a credit card to do this.

### **Follow-up Actions Taken to date:**

**ISAAH 2018** - Under the guidance of the President Elect (Esteban Soto) and the President (Dave Groman) discussion have been ongoing with the Prince Edward Island BioAlliance to finalize a contract with the Delta Hotel & Convention Centre in PEI for the 2018 ISAAH. It is anticipated that this contract will be signed by the end of this summer and steps taken move forward with the program and sponsorship. Discussion have already begun between the FHS and the World Aquatic Veterinary Medical Association and the American Association of Fish Veterinarians to participate in the 2018 meeting. Letters of invitation to other international fish health associations will be sent out soon in order to provide a maximum opportunity for attendance at the meeting.

**FHS Meeting 2017** – Under the leadership of Mohammed Faisal the contracts and planning for the FHS – Great Lakes Fish Health Committee – Eastern Fish Health Workshop are nearly signed. The meetings will take place over the week of April 2 – 7<sup>th</sup>, 2017 at the Kellogg Hotel & Conference Center in Lansing Michigan. In short, the FHS and GLFHC will meet on April 2-3rd, and the EFHW from April 4-7<sup>th</sup>. A Continuing Education Program will be hosted by the EFHW of Friday April 7<sup>th</sup>.

**Journal of Aquatic Animal Health** – The Executive has asked the editors of the JAAH to inquire with the AFS Publication section as to the ability of the JAAH to provide Spanish as well as English Abstracts. This is currently done by the AFS for the Fisheries Magazine, which also includes French Abstracts for the articles. It is hoped this change will encourage more Latin American fish health scientist to both submit articles and potentially join the FHS.



Joint presentation of the S.F. Snieszko Distinguished Service Award to Mamoru Yoshimizu and Jerri Bartholomew.



Megan Tomamichel won the student travel award and the best student oral presentation.



Dee Dee Hawk, Carl Smith, Kim Frazier, Brandon Taro and Tim Pridmore of the Wyoming Game and Fish Department Fish Health Program receiving a Certificate of Appreciation for their outstanding effort in organizing the annual meeting.



Doug Munson awarded a certificate of appreciation for his service as FHS President.

### **Update on Scott LaPatra**

Scott and his family would like to thank everyone for the cards and friendly notes. They have helped lift his spirits during recovery. Scott has continue to improve following his stroke and is expecting to get back to work this fall. Thanks again!!

Scott LaPatra  
2765 Longbow Dr  
Twin Falls, ID 83301

### **Questionnaire – Goede Quantitative Fish Health Assessment Index**

The concept of a tool that could assess the overall aspects of fish quality evolved as a group of biologists and friends worked toward a set of numerical criteria for judging the health and survivability of a population of fish. The Fish Health Condition Profile was developed as a way to accomplish this goal. Ron Goede, along with others, developed the program and, over the past several decades, Ron has taught it to over 2,000 persons in a variety of agencies.

Presently the program (dubbed the Goede Index) is only available in paper format from journal articles or as the original manual from workshops that included photos and an optional DOS-based computer spreadsheet, AUSUM. Both formats are still being used throughout the US and overseas for various applications. Your feedback is important to understanding how you use the program and what improvements could be made for the future. Please take a moment to fill out a very brief questionnaire at:

<https://www.surveymonkey.com/r/5RDYWQZ>.

The questionnaire will remain open until September 30. Thank you for your time in filling out this survey.

Ron and Lisa Goede

## **Why Join the AFS and FHS?**

We will be running a series of items in the next listserv updates concerning the benefits of joining the AFS and the FHS.

To Policymakers, this is why AFS should be a part of the conversation on fishery issues on Capitol Hill:

***AFS has an excellent reputation as a serious, credible science-forward fisheries organization. Our Expertise, Science and Community are renowned in a small community.***

## **MEETINGS, WORKSHOPS AND COURSES**

**Fish Health Bonanza!!!! Save the Date for the 2017 AFS-FHS meeting (Jointly with the Great Lakes Fishery Commission Fish Health Committee) followed by the Eastern Fish Health Workshop**

Sparty invites you to a full week of Fish Health Bonanza on April 1-7<sup>th</sup>, 2017!!!

- 2017 AFS-FHS meeting jointly with the Great Lakes Fishery Commission Fish Health Committee (April 1-3)
- Eastern Fish Health Workshop (April 3-6)
- Continuing Education (April 7)

This is an exciting announcement and the meetings will be held at the Kellogg Hotel and Conference Center at Michigan State University in East Lansing, MI.

Please see the PDF entitled, "FHS2017" for the Save the Date!

## **2017 Western Fish Disease Workshop – Save the Date**

The Northwest Indian Fisheries Commission and the Washington Department of Fish and Wildlife invite you to attend the 58<sup>th</sup> Western Fish Disease Workshop on June 20-22, 2017 at the Clearwater Resort located on the Kitsap Peninsula in Washington.

Please see the PDF entitled, "2017 WFDW save-date" for more information.

## **Call For Papers: 2017 AVMA Convention Aquatics Session**

The AVMA's Aquatic Veterinary Medical Committee (AqVMC) is seeking presentation abstracts for 50-minute talks at the 2017 AVMA Convention Aquatics Session to be held in Indianapolis from July 21<sup>st</sup>-25<sup>th</sup>. The submission process only takes a few minutes and includes session title and objectives; details on how to submit an abstract are provided in the attached document. When you submit your aquatics abstract(s), be sure

to select the Track "Food Animal/Equine" and Sub-track "Aquatic". Please submit SOON as the abstract submission site closes Sunday, September 25<sup>th</sup> 2016. Please help the AqVMC in creating another great aquatics program in 2017 by submitting one or more abstracts! Please do not hesitate to contact Thomas Waltzek ([tbwaltzek@ufl.edu](mailto:tbwaltzek@ufl.edu)) or Brian Palmeiro ([petfishdoctor@gmail.com](mailto:petfishdoctor@gmail.com)) with any questions.

Please view the PDF entitled, "AVMA Call for Abstracts" for more information.

## **JOBS/GRADUATE ASSISTANTSHIPS**

### **Fisheries Research Biologist (Biologist II) Utah Division of Wildlife Resources Logan, UT**

The Utah Division of Wildlife Resources is currently seeking applicants for a Fisheries Research Biologist Position at the Fisheries Experiment Station in Logan, UT. For full information on this position, please view the PDF entitled, "UtahDWR Bioll PositionAd".

### **Fish Health Manager Clear Springs Foods Buhl, ID**

Clear Springs Foods is seeking applicants for a Fish Health Manager. For full information on this position, please view the PDF entitled, "Clear Springs Foods Fish Health Manager".

### **Faculty Positions in Microbiology University of Texas Arlington Arlington, TX**

The Department of Biology at the University of Texas Arlington invites applications for two tenure-track faculty positions at the level of Assistant or Associate Professor with a research focus in Microbiology. For full information on these positions, please view the PDF entitled, "Microbiologist\_faculty".

## **RESOURCES/NEWS**

### **UPEI Part of 'Unprecedented' Ocean Research Program**

<http://www.cbc.ca/news/canada/prince-edward-island/pei-upei-ocean-frontier-institute-1.3749669?cmp=rss>

## AQUI-S®20E: Immediate Release of Marine Fish

### AQUI-S®20E: Immediate Release of Marine Finfish

Date: 07 September 2016



#### U.S. Authorization for Immediate Release of Marine Finfish After Exposure to AQUI-S®20E

Friends, Partners, and Colleagues:

Good news! We received authorization from the U.S. Food and Drug Administration Center for Veterinary Medicine for the immediate release of marine finfish for field based fishery management activities under INAD 11-741. This means all freshwater AND marine finfish that are sedated with AQUI-S®20E at 10—100 mg/L for up to 15 min as part of field-based fishery management activities, may be released immediately after treatment. Hatchery use, for both freshwater and marine fish, still has a 72 hr withdrawal period; however fish that are illegal for harvest may be released immediately.

All AQUI-S®20E work must be done under the approved INAD (11-741). Please contact Bonnie Johnson ([bonnie\\_johnson@fws.gov](mailto:bonnie_johnson@fws.gov)) to sign-up to use AQUI-S®20E.

Mention of trade names or commercial products does not imply recommendations or endorsements by the U.S. Fish and Wildlife Service or the Aquatic Animal Drug Approval Partnership Program.

U.S. Fish and Wildlife Service, AADAP Program, 4050 Bridger Canyon Road, Bozeman, Montana 59715





## Authorization for New INAD 12-781: Erymicin 200 Injection

### Erymicin 200 Injection

Date: 12 September 2016

#### Authorization for New INAD 12-781: Erymicin 200 Injection (Erythromycin)

Friends, Partners, and Colleagues:

When it rains it pours.....more good news!! We recently received authorization from the U.S. Food and Drug Administration Center for Veterinary Medicine for **new INAD 12-781** for the use of erythromycin (Erymicin 200 Injection) treatment to control bacterial kidney disease (BKD; causative agent *Renibacterium salmoninarum*) in salmonids. More specifically, Erymicin 200 Injection treatment may be used to 1) control mortality caused by BKD in salmonid species, and 2) reduce or minimize *R. Salmoninarum* levels in BKD positive female salmonid broodstock in order to control (prevent) the vertical transmission of *R. Salmoninarum* to eggs/progeny.

Bacterial kidney has long posed a serious health concern in both cultured and free-ranging salmonid populations, and we are pleased to announce this opportunity for not only a new BKD treatment option, but also for AADAP to begin cooperatively generating safety and effectiveness data that can ultimately be used to support FDA-approval of Erymicin 200 Injection for use in aquatic species. For additional information on Erymicin 200 Injection INAD 12-781 please visit the AADAP website, or contact Bonnie Johnson ([bonnie\\_johnson@fws.gov](mailto:bonnie_johnson@fws.gov)).

Mention of trade names or commercial products does not imply recommendations or endorsements by the U.S. Fish and Wildlife Service or the Aquatic Animal Drug Approval Partnership Program.

U.S. Fish and Wildlife Service, AADAP Program, 4050 Bridger Canyon Road, Bozeman, Montana 59715



## Journal of Aquatic Animal Health

### New Issue Contents

Volume 28, Issue 3, 2016

#### ***Dermocystidium* sp. Infection in Blue Ridge Sculpin Captured in Maryland (p. 143-149)**

*Vicki S. Blazer, Nathaniel P. Hitt, Craig D. Snyder, Erin L. Snook & Cynthia R. Adams*

#### **Hematological and Histological Changes in Prussian Carp *Carassius gibelio* Infected with Cyprinid Herpesvirus 2 (p. 150-160)**

*Jun Lu, Hongda Lu & Genping Cao*

#### **Influences of Sex and Age on the Hematological Profile of the Jundiá (Silver Catfish) *Rhamdia quelen* (p. 161-165)**

*Nivaldo Ferreira do Nascimento, Laura Satiko Okada Nakaghi, Cleonice Cristina Hilbig, Arlene Sobrinho Ventura, Ana Carolina Barni de Azevedo, Andressa Fierli Dean & Robie Allan Bombardelli*

#### **Stress and Humoral Innate Immune Response of Gilthead Seabream *Sparus aurata* Cultured in Sea Cages (p. 166-172)**

*Fulvio Salati, Alessandra Roncarati, Giulia Angelucci, Alessandra Fenza & Adele Meluzzi*

**Rapid Detection of Cyprinid Herpesvirus 3 in Latently Infected Koi by Recombinase Polymerase Amplification (p. 173-180)**

*Meagan A. Prescott, Aimee N. Reed, Ling Jin & Manoj K. Pastey*

**Effect of Tributyltin, Cadmium, and Their Combination on Physiological Responses in Juvenile Grass Carp (p. 181-186)**

*Wei-Na Mu, Zhi-Hua Li, Li-Qiao Zhong & Yan-Hua Wu*

**Eutrophication, Ammonia Intoxication, and Infectious Diseases: Interdisciplinary Factors of Mass Mortalities in Cultured Nile Tilapia (p. 187-198)**

*Nermeen M. Abu-Elala, Reham M. Abd-Elsalam, Sherif Marouf, Mohamed Abdelaziz & Mohamed Moustafa*

**Improved Broth Microdilution Method for Antimicrobial Susceptibility Testing of *Francisella Noatunensis Orientalis* (p. 199-207)**

*Esteban Soto, Iona Halliday-Simmonds, Stewart Francis, Trelor Fraitas, Beatriz Martínez-López, Judy Wiles, John P. Hawke & Richard D. Endris*