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

FHS NEWS

MESSAGE FROM THE INCOMING PRESIDENT

"We're all waitin' in the dugout,
Wishin' we could pitch.
How you gonna throw a shutout
If all you do is bitch."
--Todd Snider, "Can't Complain" Lyrics

Paul Hershberger started his message to Fish Health Section (FHS) members last year with a quote from Hippocrates. While the musician I quoted above may not be the leading intellectual of his time, I did name my 1962 Boston Whaler after his song. My related message to you is, "If we all pitch in, the FHS will continue to be an organization that we fish health professionals can be proud of."

First off, I want to thank the organizers of the recent ISAAH-7 meeting in Portland, OR for hosting a perfect event. Each one of you – Jerri, Paul, Sascha, Stephen, Marcia, Andy, Gael, Ray, Vicki, Ron, Jill, Larry, and all the OSU students – should be proud.

I do think the fish health meetings we organize and attend are very important, particularly for budding professionals and students. They give us a chance to spend time with our mentors and lab mates in an intense learning environment and help us find collaborators. FHS meetings also provide a relaxed social atmosphere where we can talk with fellow fish geeks while enjoying good food and drink, which sometimes can open new doors and bring out innovative ideas.

When you examine how these meetings impact and relate to our FHS mission, you check off all the objectives we strive for: safeguarding the health of aquatic animals; focusing the public's attention on aquatic animal health problems; and communicating best practices through our listserve, journal, Blue Book, continuing education, and certification of fish health professionals.

Regarding FHS business, I would like to thank Past President Paul Hershberger for his really hard work this past year on behalf of the Section. I hope that I can maintain the seriousness and sense of purpose that Paul brought to our section.

In addition to Paul and I, the other current members of the FHS Executive Committee are: Doug Munson (President-Elect); Dave Groman (Vice President); Jill Rolland (Secretary/Treasurer); Kevin Snekvik (Chair - Technical Standards Committee); and Kathleen Hartman (Chair – Professional Standards Committee).

Newly elected members of FHS Committees are: Attila Karsi (Nominating and Balloting Committee); Luciano Chiaramonte (Policy/Position Development Committee); Jan Lovy (Technical Standards Committee); and Esteban Soto (Professional Standards Committee).

The newly appointed members of the Standing Committees are: Rocco Cipriano (Archives Committee); Un-named nominee awaiting permission of employer (Awards Committee); and Tom Waltzek (Continuing Education Committee).

And, finally, Tom Loch has agreed to replace Sue Marcquenski as our FHS representative on the AVMA AqVMC. Thanks, Sue, for showing our good side at all those meetings.

The ExComm did approve a new standing committee (QA/QC Committee) that would review the possibility of a QA/QC Program for the FHS. I am asking the members of the initial ad hoc committee to continue their work on this important topic with the goal that we all achieve better consistency in QA/QC. The members of this committee consist of Andy Goodwin, Kevin Snekvik, Doug Munson, Wade Cavender, and Chris Wilson. Those of you who want background on what this program would cover can start by reading the QA/QC section in the Blue Book: <http://www.afs-fhs.org/perch/resources/qa-qc-model-for-fish-health-labs-2014-rev-ref.pdf>. To get a feel for what Canadian and European fish health professionals are already doing, read the abstracts in section 18 (pages 141-145) of the ISAAH-7 proceedings at <http://www.afs-fhs.org/perch/resources/isaah7-program.pdf>.

We are already in the planning stages for next year's FHS annual meeting here in Ithaca, NY. The dates are set for 13-15 July 2015. The local organizing committee consists of Chris Whipps, Emily Cornwell, Geof Groocock, Helene Marquis, and myself. We are excited for you to come visit us. We may not be as weird as Portland, OR, but the locals do say that "Ithaca is 10 square miles surrounded by reality." To get a sneak peak of our awesome Finger Lakes Region, **type in this tiny URL and watch our Prezi Presentation! http://tinyurl.com/ow2apzr**

While my 9-plus innings (months) in office may seem like a short time, I hope that with your help pitching in we can tally some more accomplishments for our FHS. We did great last year. Let's keep getting better.

Cheers,

FHS president

JOURNAL OF AQUATIC ANIMAL HEALTH

David Spear will be leaving the JAAH as editor in January 2015 and this leaves an opening for this position. Announcement is at: http://blog.fisheries.org/afs-seeks-journal-editor/\

Thanks David for your years as editor of the journal. This is one of the most visible aspects of the FHS and you have done a great job in maintaining the high standards of the journal.

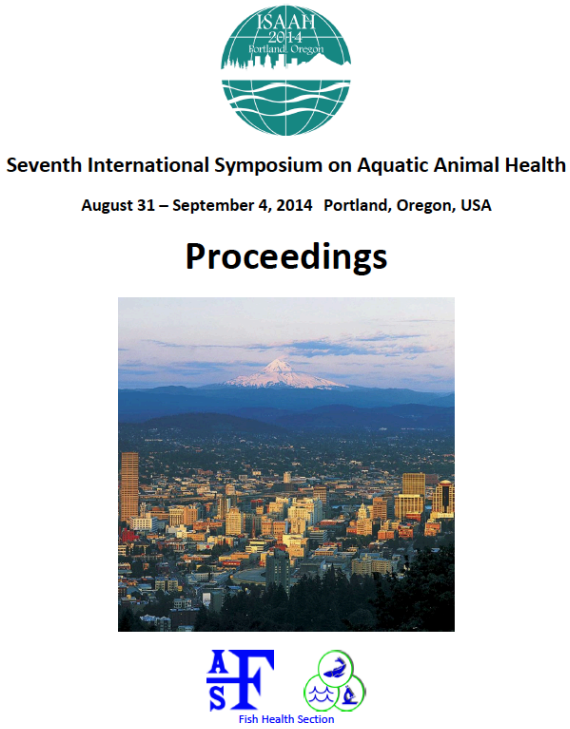
ISAAH WRAP-UP

This was in the previous update, but many new photos have been added, and we are continuing to upload new ones if you have them.

The Program and abstract book can be downloaded at the following link: isaah-7.science.oregonstate.edu/files/isaah/ISAAH-7%20program.pdf

You can view symposium photos in the following Google Drive folder: **ISAAH2014_PHOTOS** (including group photo)(these can be viewed by anyone with the link, but not edited): https://drive.google.com/folderview?id=0B2Kp6-0p96X5SXJaWU9jQndaWmc&usp=sharing

If anyone would like to share their photos, please create a folder with your last name in the folder **Incoming Photos**: https://drive.google.com/folderview?id=0Bz-BRq9yF-7CZThrWHI2cjN2cDA&usp=sharing



BLUE BOOK

The Fish Health Section – BLUE BOOK, 2014 Edition, "Suggested Procedures for the Detection and Identification of Certain Finfish and Shellfish Pathogens" is now online and open access

Currently available at: http://afs-fhs.org/bluebook/bluebook-index.php

In 2014, the FHS Executive Committee approved an online / open access format. This new format will allow the technical standards committee to return to an annual publication cycle for the Blue Book. We hope that the new online, open access format will attract a new audience for the Blue Book and enhance the Section's reputation as a leading source for high quality and relevant information on the detection and diagnosis of aquatic animal diseases.

STUDENT-YOUNG PROFESSIONAL SUBSECTION - http://www.linkedin.com/groups?home=&gid=8129129&trk=groups_guest_about-h-logo

JOBS

MICROBIOLOGIST II (PARASITOLOGIST): This is a full-time, career service position, located in Logan, Utah. Replacing Anna Forest who transferred. Requisition #02434 **CLOSES: 10/08/2014.** ***THIS IS A PUBLIC RECRUITMENT*** To view and/or apply for this job announcement, go to http://statejobs.utah.gov , click on Job Search, then Job Listings for more details.

STATE OF UTAH
invites applications for the position of:

Microbiologist II (Parasitologist)

SALARY:	$20.50 - $25.19 Hourly
OPENING DATE:	09/25/14
CLOSING DATE:	10/05/14 11:59 PM
NUMBER OF OPENINGS:	1
BENEFITS:	This position is eligible for a full benefits package including medical, dental, life, and long-term disability insurance, a retirement plan, plus paid leave to include annual, sick, and holiday pay. The State requires employees to receive their pay through direct deposit or a payroll debit card account. If selected, you will receive more information about these benefit options and enrollment information through our onboarding process and during your first week or two on the job.
DRIVER LICENSE REQUIREMENTS:	Employees hired for this recruitment will be subject to the Driver Eligibility standards found at the following link:

	http://www.rules.utah.gov/publicat/code/r027/r027-007.htm#T3
PHYSICAL ADDRESS:	1465 West 200 North Logan, UT 84321
RECRUITER NAME:	Gaye Betts
RECRUITER TELEPHONE NUMBER:	801-538-7202
RECRUITER EMAIL ADDRESS:	gbetts@utah.gov
SCHEDULE CODE:	B - Competitive Career Service
SCHEDULE CODE DESCRIPTION:	B - Competitive Career Service position - Employment in this position requires a probationary period.
JOB DESCRIPTION:	

This position is located directly at the DWR Fisheries Experiment Station and the incumbent provides laboratory services to Utah's fish health program. Applies knowledge and experience in microbiological methods including bacteriology, parasitology and virology. As part of the laboratory team, the incumbent is partially responsible for maintaining Utah's fish health laboratory and assists in planning, scheduling, and performing fish health inspections and laboratory analysis in accordance with legal requirements outlined within Utah's Fish Health Policy. Performs animal dissections (necropsy's), collects tissues, oversees transport of biological samples, prepares and examines tissues for laboratory analysis in accordance with legal requirements and standard protocols identified within Utah's Fish Health Policy (Bluebook Standards and Procedures). Often requires the use of quantitative and qualitative laboratory techniques such as media and reagent preparation, biochemical testing, API bacterial identification systems, antibiotic sensitivity testing, direct fluorescent antibody testing (DFAT), enzyme linked immunosorbent assays (ELISA), SDS Page analysis, Qiagen DNA extraction methods, DNA sequencing, electron microscopy, polymerase chain reaction analysis (PCR), pepsin trypsin digest (PTD), histology and light microscopy to analysis and identify fish pathogens. Equipment used during this process may include, but is not limited to a laminar flow hood, UV PCR hood, high speed centrifuge, light microscope, fluorescent microscope, dissecting microscope, ELISA reader, gel electrophoresis supplies, thermocyler, spectrophotometer, autoclave, microtome, tissue processor, dissecting kit, stir plates and electronic pipette.

Maintains and develops standard operating protocols (SOP) for handling of hazardous chemical and materials. Responsible for maintaining and developing legally required SOPs for inspection requirements and laboratory procedures such as sample processing, pathogen identification systems, safety methods and equipment maintenance. Develops and maintains general safety protocols in

accordance with OSHA standards. Maintains Material Safety Data Sheets (MSDS) for all chemicals/reagents and advises immediate supervisor on safety concerns. Develops and maintains network of contacts in the scientific community in order to improve standard laboratory protocols and procedures.

Participates in meetings, classes and seminars pertaining to fisheries, fish health and laboratory techniques in order to keep abreast of current scientific information and research to maintain laboratory proficiency. Attends research meetings, reviews scientific literature and provides insight and technical support for fish health related research as needed. Develops and maintains a network of professional contacts in order to keep abreast of current fish health related research. Also, provides limited service to Utah's Aquatic Invasive Species program for the identification of invasive organisms in the absence of designated laboratory services.

EXAMPLE OF DUTIES:

- Work as the microbiologist/parasitologist for the fish health program at the Fisheries Experiment Station.
- Performs animal dissections, collects samples and prepares specimens for laboratory analysis.
- Utilize Pepsin Trypsin Digest (PTD), Polymerase Chain Reaction analysis (PCR), dichotomous key and other laboratory methods to identify aquatic pathogens.
- Provides technical assistance to the fish health team by performing cell culture and media preparation for virus and bacteria identification methods when needed.
- Assists with fish health research projects as needed. Participates in research meetings, developing and performing experiments and interpreting results.
- Serve as quality assurance/quality control manager by developing and maintain laboratory protocols.
- Maintains accurate records and logs. Reviews and inspects work for quality, accuracy, and completeness.
- Write summary reports, standard operating procedures & maintain Whirling Disease database. Maintains technical data, generates reports & findings. Defends analytical work as needed. Develops or modifies rules, policies, or standards, etc.
- Other duties as assigned.

TYPICAL QUALIFICATIONS:

- Principles, theories, and practices of microbiology.
- fish anatomy, necropsy, and sampling techniques
- general chemistry, laboratory skills sand safety awarenes
- bacteriology, parasitology, and virology techniques
- quality control methods, laboratory procedures, computer proficiency; testing and/or examination methodologies
- familiar with experimental design, vaccine development, use of biologics in

aquaculture; perform literature review, basic statistical analysis, compose and create reports
- light microscopy
- principles, theories, and practices of chemistry such as composition, structure, and properties of substances and of the chemical processes and transformations that they undergo. This includes uses of chemicals and their interactions, danger signs, etc.
- use logic to analyze or identify underlying principles, reasons, or facts associated with information or data to draw conclusions
- enter, transcribe, record, store, or maintain information in either written or electronic form.
- evaluate information against a set of standards
- use scientific instruments and equipment; laboratory techniques and safety practices
- make a decision or solve a problem by using logic to identify key facts, explore alternatives, and propose quality solutions
- use scientific methods to solve problems
- review and/or edit documents for accuracy and completeness
- identify and apply appropriate safety intervention techniques
- compose and produce reports, documents and related material
- communicate information and ideas clearly, and concisely, in writing; read and understand information presented in writing agency and/or organizational program(s); ensure compliance with contract terms, policies and procedures, etc.
- applicable laws, rules, regulations and/or policies and procedures; read, interpret and apply laws, rules, regulations, policies and/or procedures

SUPPLEMENTAL INFORMATION:

- Work is performed in both the laboratory & in the field.
- Some travel including overnight trips are required.
- Valid drivers license.
- Aquatic Animal Health Inspector Certification within 18 month following hire.

Preference may be given to applicants with a Masters Degree in a related field. BA/BS Degree in microbiology, fisheries biology or a related field of study.

The State of Utah is an equal opportunity employer. Hiring is done without regard to race, color, religion, national origin, sex, age or disability. The State provides reasonable accommodations to the known disabilities of individuals in compliance with the Americans with Disabilities Act. For accommodation information or if you need special accommodations to complete the application process, please contact the Department of Human Resource Management at (801) 538-3025 or TTY (801) 538-

3696.

APPLICATIONS MAY BE FILED ONLINE AT:
https://statejobs.utah.gov

2120 State Office Building
Salt Lake City, UT 84114
801-538-3025

statejobs@utah.gov