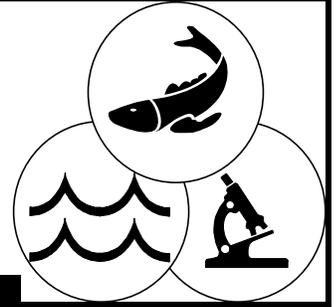


Fish Health Newsletter

Fish Health Section/American Fisheries Society



July 2001

Volume 29, Issue 3

PRESIDENT'S REPORT

As I begin my term representing the Fish Health Section I am filled with optimism and enthusiasm for what we plan to accomplish in the upcoming year. For those of you who attended the annual meeting in Victoria, you probably are aware of some of the directions we are headed. The meeting, co-hosted by the Pacific Biological Station and the Aquatic Animal Veterinarians of British Columbia, was not only a success, but it was a lot of fun. It was also a good example of how the section is attempting to broaden its membership by encouraging involvement of veterinarians with interests in fish health. Many thanks go to Garth Traxler, Dorothee Keiser and William Cox for their planning efforts!



Incoming President Jerri Bartholomew (r) congratulates past-President Mike Kent for a job well done.

Most of you are by now well aware of my well-intended (but sometimes misguided) efforts to communicate with you by email. I will be refining my technique and continue this as a means to get information out to you in a timely manner. If I had to summarize what I expect to accomplish in the next year, I think the number one goal would be to communicate. This also provides you with a means of getting information out to the membership, and I hope that I will hear from many of you during the year.

The website is a critical part of this communication and will become our lifeline as we proceed with plans to eliminate a hard copy of the newsletter. Chris Wilson has done a great job of keeping our website current and many of you have provided information on jobs and links to other opportunities. The Continuing Education committee we will be expanding that role by adding information and links on CE opportunities this year.

All of the committees have defined goals for the upcoming year, and we will see progress in revisions of the Blue Book. New and revised chapters will become available on the website and will enable you to update your current edition. By eliminating the need to produce paper copies, we hope to make the Blue Book a more

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timely and relevant resource. We have also initiated a collaborative effort with the USFW to result in the "USFWS/AFS-FHS National Fish Health Inspection Procedures". This inspection manual will supply specific procedures and instructions for inspection and will meet the needs of the FHS for intra and interstate movements of fish and import/export inspections. Another collaborative effort this year was the electronic publication of the Protocols for Whirling Disease Research. Perhaps collaboration would summarize goal number two.

Over the past few weeks I have talked with many of the members that are involved on the various committees. These people are who determine the success of the section in meeting its goals. They have all made a commitment to devote their valuable expertise and time, and deserve thanks from all of us. But to really be successful we need participation from all of you. We need you to submit case reports and interesting information to the newsletter, to publish in (and subscribe to) our journal, to keep other members apprised of important issues and to encourage new members, particularly students, to join.

My email box is always open, I want to hear from you!

Jerri Bartholomew, President

**ATTENTION MEMBERS:
FISH HEALTH SECTION NEWSLETTER GOING
EXCLUSIVELY ELECTRONIC IN 2002**

At the Fish Health Section Business Meeting, the decision was made to stop producing the hardcopy (paper) version of the Section newsletter, **beginning January 2002**. Instead the newsletter will be available exclusively in Adobe pdf format on the Section website (www.fisheries.org/fhs). The advantages of this move are many; not only will the Section save several thousand dollars in publishing costs, but the newsletter will be available about a month ahead of time, so the information will be much more timely. Items such as ballots, calls for papers, etc will still be mailed out in hardcopy form.

Members can obtain the newsletter by visiting the Section website periodically to look for new editions or they can join the Section listserv by contacting Jerri Bartholomew at bartholj@orst.edu to receive a notification by e-mail when a new edition is posted.

In the meantime, paper copies will be mailed for the July and October 2001 editions. Members are encouraged to make submissions of new and timely information on case reports, new lab findings, announcements of employment and educational opportunities, cartoons, recipes, whatever! Contacts for submission and deadlines are listed on the back of the newsletter.

To receive information electronically, it is important that members update any contact information. To do this with AFS, email Lora Bird (lbird@fisheries.org), or the main@fisheries.org address with the new information. The subject line should read something like "new contact information."

Letter from the Outgoing President

I have appreciated the honor of serving as President of the Fish Health Section for the last 9 months. First, I thank all the support and effort that the EXCOM has provided. I am particularly indebted to Drs. Jerri Bartholomew and Scott LaPatra for their sage advice and suggestions on protocols, etc. for the Section.

As I stated in my platform when running for this office, a primary objective of my term was to increase and improve communications with veterinarians involved with aquatic animal medicine, and to ultimately increase membership and participation by veterinarians in the Section. To accomplish this, I formed an Ad Hoc Committee on Veterinary Issues, lead by Drs. Scott LaPatra and Myron Kebus. Recently, other Section veterinarians have joined the committee: Drs. Chris Wilson, Marilyn (Guppy) Blair, Linda Chittum, and Jerry Heidel. One task of the Committee has been to encourage veterinarians working in fish health to join the Section, and when appropriate, to encourage them to seek Fish Health Inspector certifications. The requirements for this have been clarified and slightly modified to facilitate this.

Revisions to the Blue Book and development of the fish disease inspection manual are being lead by Jerri Bartholomew (please see Jerri's letter in this issue).

At the Victoria meeting, it was decided by the EXCOM and approved by the membership in attendance to change the Newsletter to an electronic format on our web page – i.e., eliminate the printing of paper copies. There has been an extreme drop in submissions of short notes/ case reports on recent findings and emerging fish disease problems to the Newsletter. This has been an excellent source for rapid dissemination of this information, which is critical to fish health practitioners. So let's all make an effort to submit these notes to the Newsletter

I believe that our Continuing Education (CE) program has been one of our most successful endeavors. It has been financially viable, and workshops held in conjunction with our annual or regional meetings have been well attended and favorably received. I encourage our CE to expand our efforts to present workshops at non-Section events. This would not only increase our audience, but would certainly be a positive advertisement to entice new membership.

At our recent EXCOM meeting in Victoria, we identified several shortcomings with our relationship with the AFS, such as the small fraction of our total dues that are returned to the Section and the apparent lack of interest by the parent society relating to aquaculture. I will be addressing these in my annual report to AFS.

Our annual meeting in Victoria was a great success. Special thanks to Dorothee Kieser, Garth Traxler, Gina Prospero-Porta, Jon Richard and Jerri Bartholomew for organizing the meeting. As with the meeting in Pensacola in 2000, we had many attendees that were not members. In Victoria, many researchers and veterinarians from Canada that are not members participated, while in Pensacola many attendees were from the small fish carcinogenesis/toxicology field. There is a positive side to this – these are all potential new members that we should recruit. I see our Section as being broad, encompassing all aspects of fish and shellfish health – i.e., the Section is not only for those interested in resource management and enhancement.

In closing, I sincerely thank the EXCOM and other AFS committees for their outstanding support in the last year.

Michael L. Kent
Past President, AFS Fish Health Section

AWARDS PRESENTED AT THE ANNUAL FISH HEALTH SECTION MEETING

The following members were honored at the banquet for their service and dedication to the FHS.

CONGRATULATIONS and **THANK YOU** for a job well done!

Certificate of Appreciation:

- **Patricia Barbash** of the USFWS in Lamar PA, for her outstanding efforts as a member and chair of the Professional Standards Committee.
- **Pete Taylor** of the USFWS-Salmon Culture Technology Center in Longview WA, for his outstanding efforts as the only member of the Promotions Committee. Pete single-handedly designed the FHS membership brochure, and created the FHS traveling display. According to Pete it was easier being a committee of one because there was never any arguments. Way to go Pete!

S.F. Snieszko Student Travel Award:

This year two students were awarded funds to travel to the FHS Annual Meeting in Victoria, B.C. to present their research. Congratulations to both.

- **Theodore Henry**, a student in the Department of Fisheries and Allied Aquaculture at Auburn University, presented his research entitled "Electroshocking Rainbow Trout: Delayed Mortality and Susceptibility to Enteric Redmouth Disease".
- **Darin Jones**, a student in the Department of Fish and Wildlife Resources at the University of Idaho, presented his research entitled "Susceptibility of Bull Trout, *Salvelinus confluentus*, to Infection by *Renibacterium salmoninarum*, the Causative Agent of Bacterial Kidney Disease".

Best Student Paper Award:

This year six students presented research papers at the annual meeting. Three judges, with no conflicts of interest, based their decision on the quality of the presentation and significance of the research. It was a difficult choice to make! The Best Student Paper Award was presented to **David Gauthier** for his paper entitled "Interaction Between *Mycobacterium* spp. and Peritoneal Phagocytes of Striped Bass (*Morone saxatilis*)". David is a graduate student in the Department of Environmental Sciences at the VIMS. He is working with Steve Kaattari and Wolf Vogelbein, little wonder as to why



David Gauthier (center) is presented with the student award by Mike Kent and Bev Dixon

his presentation was so good. To quote a former FHS president "Excellent paper". David was awarded \$100 at the banquet.

Best Tag Team Presentation:

The award for the Best Tag Team Presentation, based on the quality of the hand-off, went to **Vicki Blazer** and **Wolf Vogelbein** for the *Aphanomyces-Pfiesteria* combo. It was Wolf's rolling entrance and belly-bump tag to Vicki that overwhelmed the audience, and thrust the team into first place.

And now to the Big Event

S.F. Snieszko Distinguished Service Award: Excellence in Career Contributions and Accomplishments in the Field of Fish Health

Dr. Vicki Blazer was presented with the S.F. Snieszko Distinguished Service Award for her outstanding career accomplishments in the field of fish health. Dr. Blazer, now at the National Fish Health Research Laboratory in Leetown VA, was honored for her contributions and research in the areas of fish immunology, physiology, nutrition, and aquatic toxicology. Vicki has numerous achievements including dozens of publications in peer-viewed journals, seven book chapters, a book, and countless presentations at national and international conferences. In addition to her research, Vicki has made outstanding contributions in teaching and education. She taught a range of courses including fish pathology, nutrition, toxicology, physiology, and fish health at the University of Rhode Island and University of Georgia. After joining the NFHRC, she continued to offer courses in fish histopathology and pathology at the National Training Center and at the AquaVet courses at Woods Hole.



Vicki was Secretary/Treasurer of the FHS and the first woman to serve as the President of the Section. She is a member of the editorial board for the *Journal of Aquatic Animal Health* and serves on numerous committees of the USDA and other professional societies. Dr. Blazer is the first woman to receive the Snieszko Distinguished Service Award. Her career accomplishments serve as a role model not only for students, but all fish health scientists. She is a distinguished mentor and valuable colleague. **Congratulations Vicki!** As members of the fish health community, we respect and appreciate your scientific achievements and service to the Fish Health Section.

VHS VIRUS IN PACIFIC SARDINES AND MACKEREL

Bill Cox, California Department of Fish and Game and Ron Hedrick, UC Davis

May 8, 2001

Adult Pacific sardines and mackerel taken as part of the commercial catch off of Southern California have been shown to be infected with viral hemorrhagic septicemia virus (VHSV). Kidney and spleen sample from fish with no outward signs of disease were examined by the Fish Health Laboratory in School of Veterinary Medicine at the University of California – Davis. Characteristic cytopathic effects were observed in EPC cells incubated at 15°C and included initial focal areas of cell rounding that progressed over a period of 5 days to complete lysis of the monolayer. Isolates obtained from each species of fish were sent to the Western Fisheries Research Center (USGS) in Seattle where through PCR assay they were shown to be additional representatives of the North American strains of VHSV that have been observed in salmonid and several marine fish species. Further comparisons of these isolates to other North American VHSV isolates is in progress. This is the first report of VHSV from California waters, and extends the known geographic and host range of the distributional range of the agent. Adult salmon and steelhead trout returning to anadromous hatcheries in California tested annually have to date shown no evidence of VHSV.

EMPLOYMENT/EDUCATIONAL OPPORTUNITIES

Fish Parasitology Course on the Great Barrier Reef and Coral Sea, 3-9 Nov. 2001

The University of Tasmania and Undersea Explorer (see web page at: www.undersea.com.au) will be conducting a 6 day field course in marine fish parasitology. The course offers a series of lectures, hands on laboratories, and opportunities to SCUBA or skin dive aboard the "Undersea Explorer" research vessel.

Drs. Barbara Nowak (University of Tasmania), Robert Adlard (Queensland Museum), and Michael Kent (Oregon State University) will teach the course.

Space is limited to 15 persons. Contact Dr. Barbara Nowak, University of Tasmania B.Nowak@utas.edu.au.

The cost is A\$3,500 (about US \$2,000), which includes 6 days aboard ship accommodation (including meals), the course, certificate of completion, and diving (including weights, tanks, airfills).

Non-refundable A\$1000 due 3 Sept. 2001.

American Fisheries Society Fish Health Section
Executive Committee Minutes
June 25-28, 2001
Victoria, B.C., Canada

The meeting was called to order by President Mike Kent. Present for the executive committee were: Larry Hanson –Awards, Andrew Goodwin-Technical Standards, John Grizzle-Professional Standards, Jerri Bartholomew-President Elect, Beverly Dixon-Past President, Paul Bowser-Vice President, Craig Olson, continuing Education and Chris Wilson, Newsletter.

President Remarks- Mike Kent discussed progress this year in issues concerning veterinary relations, revision of the Blue Book and the continuing education program. He also addressed concerns about the relationship between the FHS and the parent society.

Committee Reports

Archives- no report

Awards - Larry Hanson announced the winner of the student travel award: Theodore Henry, University of Auburn and Darin Jones, University of Idaho. The Snieszko distinguished service award recipient is Vicki Blazer from the USGS, Leetown, WV. The student paper Judges: Bev Dixon, Larry Hanson and David Powell. The student selected was David Gauthier.

Larry Hanson made a motion that the procedures should be changed so that the 10 most recent Snieszko award winners vote on current Snieszko awardee. Second by Bev Dixon. The motion was unanimous approved.

Continuing Education – Craig Olson expressed the potential need for training in inspection protocols: e.g., bothriocephalus identification, PCR. Continuing Education credit guidelines have been set in conjunction with Professional Stds committee. Suggestions were made for future coordination with AVMA and other related meetings. The need for Continuing Education website presence with the possibility of an online course was discussed as well as the idea that courses should be videotaped.

Newsletter – Chris Wilson reported intermittent problems with the AFS server that affects all our websites. The website is currently fully accessible and could serve as a means of newsletter distribution in place of mailing hardcopies. If a phase-out of the newsletter is approved, the last issues need to announce the changes and put in a big request for emails.

Nominating and Balloting - Bev Dixon expressed concerns that only 51 votes were collected for this year election.

Professional Standards- Only one certification for Fish Health Inspector was granted. Changes in the certification wording were approved but with some concerns:

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FHS 2001-02 Executive Committee**Voting**

	Phone (ext)	FAX	Email
Jerri Bartholomew – President	541-737-1856	737-0496	bartholj@orst.edu
Ana Baya - Secretary/Treasurer	301 314 6837	935-6072	ambaya@wam.umd.edu
Paul Bowser- President-elect	607-253-3365	253-3384	prb4@cornell.edu
Chris Wilson – Vice President	435-752-1066 (21)	752-6977	cwilson@sisna.com
Mike Kent – Past President	250-756-7119	756-7053	Michael.Kent@orst.edu
Ted Meyers –Chair Professional Standards	907-465-3577	465-3510	fishpath%fishgame@state.ak.us
Andrew Goodwin – Chair Technical Standards	870-543-8137	543-8162	agoodwin@uaex.edu

Non-voting

Steve Kaattari - Journal Co-editor	804-642-7362	642-7097	kaattari@vims.edu
Ron Hedrick - Journal Co-editor	530-752-3411	752-0414	rphedrick@ucdavis.edu
Chris Wilson, Newsletter Co-editor	435-752-1066 (21)	752-6977	cwilson@sisna.com
Beverly Dixon, Newsletter Co-editor	510-881-3422	888-4747	bdixon@csuhayward.edu
Lora Petrie-Hanson, Newsletter Co-editor	(662) 325-1291		lora@cvm.msstate.edu

Standing Committees**Archives (appointed)**

Margaret Ewing - chair	405-744-9689		msewing@okway.okstate.edu
Drew Mitchell	501-673-4483	673-7710	dmitchell@spa.ars.usda.gov

Awards (appointed)

Beverly Dixon, chair	510-881-3422	888-4747	bdixon@csuhayward.edu
Vickie Blazer	304-724-4434	724-4435	vicki_blazer@usgs.gov
Ron Hedrick	530-752-3411	752-0414	rphedrick@ucdavis.edu

Continuing Education

Craig Olson, Chair	360-438-1181 (343)	753-8659	colson@nwifc.wa.gov
Jan Gleckler	360-438-1181 (340)	753-8659	jgleckle@nwifc.gov
Joy Evered	360-753-9406	753-9403	joy_evered@fws.gov
Paul Bowser	607-253-3365	253-3384	prb4@cornell.edu

Nominating and Balloting Committee (elected)

Emmett Shotts, Chair	304-724-4430	724-4435	emmett_shotts@usgs.gov
Margaret Ewing, 2yrs	405-744-9689	744-7074	msewing@okway.okstate.edu
Beth MacConnell, 3 yrs	406-994-6824	994-4090	bmac@montana.edu
Mike Kent – Past President	250-756-7119	756-7053	Michael.Kent@orst.edu

Professional Standards Committee (elected)

Ted Meyers, chair	907-465-3577	465-3510	tedm@ptialaska.net
Pete Taylor 2 yrs	360-425-6072	636-1855	Pete_Taylor@r1.fws.gov
Joy Evered 3 yrs	360-753-9046	753-9403	joy_evered@fws.gov
Patricia Barbash, Secretary to the chair	717-726 6611	726 7379	patricia_barbash@fws.gov

Technical Standards Committee (elected)

Andrew Goodwin, chair	870-543-8137	543-8162	agoodwin@uaex.edu
Deborah Bouchard, 2 yr	207 737-2637	737-4504	microtech@wiscasset.net
Sue Marquenski, 3 yr	608-266-2871	267-7857	marcqs@dnr.state.wi.us

Program Committee

Paul Bowser 2002	607-253-3365	253-3384	pbr4@cornell.edu
Ron Thune	504-346-3308	346-5715	thune@mail.vetmed.lsu.edu
Chris Wilson 2003	435-752-1066 (21)	752-6977	cwilson@sisna.com

Newsletter (appointed)

Beverly Dixon, Co-editor	510-881-3422	888-4747	bdixon@csuhayward.edu
Ray Brunson, Co-editor	360-753-9046	753-9403	ray_brunson@fws.gov
Chris Wilson, Co-editor	435-752-1066 (21)	752-6977	cwilson@sisna.com
Lora Petrie-Hanson, Co-editor	(662) 325-1291		lora@cvm.msstate.edu

Publications Advisory Committee

Jim Winton, Chair	206-526-6587	526-6654	jim_winton@usgs.gov
Beth MacConnell	406-587-9265	582-0242	bmac@montana.edu
Margaret Ewing	405-744-9689		msewing@okway.okstate.edu
Laura Brown	902-426-3241	426-9413	laura.brown@nrc.ca

Ex-Officio Members

Steve Kaattari - Journal Co-editor	804-642-7362	642-7097	kaattari@vims.edu
Ron Hedrick - Journal Co-editor	530-752-3411	752-0414	rphedrick@ucdavis.edu
Beverly Dixon, Newsletter Co-editor	510-885-3422	885-4747	bdixon@csuhayward.edu
Ray Brunson, Newsletter Co-editor	360-753-9046	753-9403	ray_brunson@fws.gov
Chris Wilson, Newsletter Co-editor	435-752-1066(21)	752-6977	cwilson@sisna.com

Ad Hoc Committees**Inspection Protocols (ad hoc)**

John Plumb	334-844-9215/334-821-1881 (hm)		jplumb@acesag.auburn.edu
Chris Wilson	435-752-1066 (21)	752-6977	cwilson@sisna.com
Paul Bowser	607-253-3365	253-3384	prb4@cornell.edu
Jerri Bartholomew	541-737-1856	737-0496	bartholj@orst.edu
Linda Chittum	435-752-1066 (11)	752-6977	lchittum@udwrfs.org
Andrew Goodwin	870-543-8137	543-8162	agoodwin@uaex.edu
Deborah Bouchard	207 737-2637	737-4504	microtech@wiscasset.net
Sue Marquenski	608-266-2871	267-7857	marcqs@dnr.state.wi.us

External Relations (ad hoc)

Mike Kent – Past President	250-756-7119	756-7053	Michael.Kent@orst.edu
Scott LaPatra	208-542-3456	543-4146	scottl@clearsprings.com
Vickie Blazer	304-724-4434	724-4435	vicki_blazer@usgs.gov

QA/QC

Joe Marcino	651-296-3043	296-1811	joe.marcino@dnr.state.mn.us
Patricia Barbash	717-726 6611	726 7379	patricia_barbash@fws.gov

**ANNOUNCEMENT OF POSTDOCTORAL FELLOWSHIPS
POSTDOCTORAL TRAINING POSITIONS IN MARINE BIOMEDICAL SCIENCES AVAILABLE
IMMEDIATELY**

Up to three positions for collaborative projects with Investigators of the University of Miami, NIEHS Marine and Freshwater Biomedical Sciences Center in the following areas:

- Lynne Fieber - Neurophysiology of Marine Organisms
lfieber@rsmas.miami.edu
- Lora Fleming - Epidemiology of Marine Toxin-Related Diseases
lfleming@mednet.med.miami.edu
- Robert Gawley - Chemosensors for Marine Toxins
rgawley@umiami.ir.miami.edu
- Miguel Pérez-Pinzón - Hypoxia Tolerance and Cerebral Vascular Diseases in Vertebrates
perezpinzon@miami.edu
- Kelly Rein - Biosynthesis of Natural Products
reink@fiu.edu
- Michael Schmale - Carcinogenesis Models, Virology and Transgenics in Fish
mschmale@rsmas.miami.edu
- Patrick Walsh - Ammonia Toxicity in Fish and other Vertebrates
pwalsh@rsmas.miami.edu

Positions are supported by an NIH training grant and are renewable for up to three years based on satisfactory performance and NRSA eligibility. Applicants must be U.S. citizens or permanent residents. Please contact any of the above faculty, depending on area of interest, for information concerning specifics of research programs and instructions for application.

**POSITION ANNOUNCEMENT
AQUATIC ANIMAL DIAGNOSTIC MEDICINE INTERN**

The College of Veterinary Medicine, Mississippi State University has two (2) post-DVM training Intern positions available at the Thad Cochran National Warm Water Aquaculture Center in Stoneville, Mississippi. This laboratory serves and is located centrally within the 100,000 acre channel catfish industry in Mississippi, Arkansas, and Louisiana, the largest warm-water aquaculture endeavor in the U.S. Our laboratory sees approximately 2,400 cases annually.

This internship program is designed to introduce veterinarians to Production aquaculture. Learning opportunities will be centered in the Fish Diagnostic Laboratory, performing diagnostic work-up of case materials including client consultations concerning fish health management. Other intern duties will include pond/farm visits as part of the ongoing total pond management program and participation in other Center research projects. Each intern is expected to develop and conduct an internally funded research project.

QUALIFICATIONS: DVM or equivalent. Experience in aquatics is preferred.

SALARY: Commensurate with qualifications and experience; minimum \$22,000.00 per year.

APPLICATIONS: Applications will be accepted through July 29, 2001, or until suitable candidates are identified. The proposed starting date for these positions is August 1, 2000, and are renewable annually. Qualified persons should submit a letter of application briefly outlining qualifications and pertinent experience along with a curriculum vitae, professional school transcripts and two letters of reference to: Dr. S.W. Jack, Aquatic Medicine Section, Box 9825, College of Veterinary Medicine, Mississippi State, MS 39762-9825.

**POSITION ANNOUNCEMENT
EXTENSION AQUATIC ANIMAL HEALTH SPECIALIST - SEA GRANT**

The State of New York has established a Marine Disease and Pathology Consortium at the State University of New York at Stony Brook's Marine Sciences Research Center (MSRC) for the purpose of performing research and outreach on marine diseases and pathology. The Laboratory will be jointly staffed by the Marine Sciences Research Center, SUNY Stony Brook; the College of Veterinary Medicine, Cornell University; and New York State Sea Grant. This position is for a New York Sea Grant Extension Specialist who will be located at the Marine Sciences Research Center, SUNY Stony Brook. He/she will be responsible for developing and implementing an outreach program focusing on establishing and maintaining effective communications between the Laboratory at Stony Brook, the fishing community, and government agencies. The specialist will also coordinate efforts with the Aquatic Animal Health Program located at the College of Veterinary Medicine, Cornell University. The position requires at least a masters degree and substantial knowledge and experience with matters of aquatic animal health. The ideal candidate will have expertise in diseases of marine invertebrates. At least five years of experience is required after receipt of the MS degree or two years after the Ph.D. Experience in Sea Grant extension or the equivalent is desirable. Desired professional experience would include disease diagnosis, conduct of field investigations of disease outbreaks in wild populations and/or in the mariculture environment. This position requires excellent communication skills with interested parties ranging from academics, fishermen, and government officials. It is expected that this position occasionally will involve some laboratory work as well as joining lobster fishers at work.

Review of applications will begin June 1, 2001, but applications will be accepted until the position is filled. Applicants should send statement of interests, CV, names of three references, and official college transcripts to:
Nancy Greenawalt
New York Sea Grant Extension Program
340 Roberts Hall
Cornell University
Ithaca, New York 14853-5905
Telephone 607-255-2832, e-mail nag3@cornell.edu
Fax 607-255-2812
For more information about New York Sea Grant visit its web page at: <http://www.nyseagrant.org>

**POSITION ANNOUNCEMENT
ASSISTANT OR ASSOCIATE PROFESSOR
FISH EPIDEMIOLOGY**

The Department of Fisheries and Allied Aquacultures at Auburn University is seeking candidates for the position of Assistant or Associate Professor of Fish Epidemiology. This is a 9-month, tenure-track faculty position with a research appointment. Position is available immediately.

Responsibilities include developing an externally funded research program and supervision of a laboratory for diagnosis of fish diseases and related problems that are important to aquaculture, sportfish, and environmental issues. Research emphasis will be related to prevention and control of fish diseases, including evaluation of fish health management procedures, transmission of pathogens, and environmental effects on diseases. Opportunities will be available for teaching graduate-level courses and advising graduate students.

Minimum qualifications include a Ph.D. or equivalent degree in Fisheries, Biomedical Sciences, or related field with experience in clinical epidemiology and epizootiology; experience with diseases of fish; documented evidence of individual and collaborative research in epidemiology resulting in peer reviewed publications in internationally recognized journals; ability to work with others to develop collaborative research programs; familiarity with federal, state, industry and other sponsored funding agencies; willingness to travel domestically; and ability to communicate effectively, both orally and in writing. Proof of authorization to work in the U.S. must be provided.

Rank and salary commensurate with education, years of experience, and evidence of productivity in the field of fish epidemiology. Applicants should submit a letter of application, current resume, transcripts, and names, phone numbers, addresses, and e-mail addressees of three references to:

Dr. John Grizzle, Search Committee Chairman
Department of Fisheries and Allied Aquacultures
Auburn University, AL 36849
Phone (334) 844-3474
E-mail: jgrizzle@acesag.auburn.edu

Review of applicants is in progress and continue until a suitable candidate is selected.
Auburn University is an Affirmative Action/Equal Opportunity Employer.

International Symposia on Aquatic Animal Health

The Meeting

Following the great success of the three previous International Symposia on Aquatic Animal Health, it is a pleasure to announce that the Fourth Symposium will be held at the beautiful Sheraton New Orleans Hotel in Louisiana, USA, September 2-6, 2002. Please mark your calendar and plan to attend what will prove to be an outstanding meeting in one of the most exciting and interesting cities in the world.

At present, sessions are planned for Monday-Thursday, with plenary sessions first thing in the morning, followed by 3-4 concurrent sessions for the remainder of the day. The space we have been provided will allow the poster to remain up for 3 days of the meeting, and several functions are planned in the poster exhibit area to provide ample time for poster viewing and discussion.

Make sure to mark your calendar and plan to attend the 4th International Symposium on Aquatic Animal Health in New Orleans in September 2002.

Organization

The 4th International Symposium on Aquatic Animal Health is sponsored by the following professional societies:

- Fish Health Section of the American Fisheries Society
- Fish Health Section of the Asian Fisheries Society
- European Association of Fish Pathologists
- Japanese Society for Fish Pathology
- International Association for Aquatic Animal Medicine
- National Shellfisheries Association

The 2002 Symposium will be hosted by the Fish Health Section of the American Fisheries Society and the organizing committee is chaired by Ron Thune. In addition, an informal international advisory group, comprised of the Presidents of the six societies and the organizers of the previous two Symposia, Ron Hedrick, Jim Winton, Andrew Kane and Sarah Poynton, has been formed to contribute to the development of the scientific program.

For Further Information

In order to receive further information about the 4th International Symposium on Aquatic Animal Health, you will need to be included in the Symposium mailing list. Visit the Symposium web site at <http://www.vetmed.lsu.edu/isaah2002.htm> and complete the online **Request for Information** form

(Continued from page 7)

For Fish Health Inspectors –required clarification of degree and change in requirements for direct access to equipment and services

For Fish Health Pathologists- phase in of Continuing Education credits. The revised standards are now on the web. Need new forms for Fish Health Inspectors and Pathologists.

Technical Standards – Jerri Bartholomew reported on Whirling Disease Foundation protocols and updates on the blue Book Chapters

Publications Advisory – no current activity

Veterinary Issues – Mike Kent discussed the goals he had for increasing veterinary membership, resolving conflicts between state regulations pertaining to inspection, and AVMA meeting attendance

USFWS-FHS Inspection Manual - Jerri Bartholomew is leading this effort, including coordination of our section with similar efforts by the US Fish and Wildlife Service.

A new computer monitor for Chris Wilson was unanimously approved.

QA/QC committee– discussion on continuing the colorations with FWS to produce a joint manual.

FHS will be represented in the following Meetings

AVMA in Boston:	Scott La Patra
USAHA-AAVLD in PA:	Scott La Patra
JSA in Washington D.C.:	Vicki Blazer

Jerri Bartholomew made the motion that the FHS provide funding for Scott to attend the AVMA and USAHA meeting, second by Paul Bowser and unanimous approved.

Finance – Ana Baya reported the section financial status. At this time \$ 34,600.66 is held in the general account, the continuing Education Committee holds \$ 6,105.13 and the AFS holds 39,720.39

General Business Meeting

Opening remarks by the president Mike Kent

Newsletter will be available online exclusively after January 1, 2002 as pdf formatted document . Member suggested to have contents list and keep attachment to minimum.

Committee Reports were presented by the chairs of: Professional Standards, Continuing Education, Technical Standards, Finance, Nominating and Balloting and Veterinary Issues

PROGRESS REPORT ON COLLABORATION BETWEEN AFS/FHS AND USFWS IN DRAFTING A UNIFORM NATIONAL FISH HEALTH INSPECTION PROCEDURES MANUAL

Submitted by Patricia Barbash, USFWS, Lamar, PA; AFS/FHS- Secretary for the Professional Standards Committee

A working group of representatives of the AFS/ Fish Health Section and the US Fish and Wildlife Service met to begin collaboration on a draft Fish Health Inspection/Certification Procedures Manual. The meeting took place on June 24th & 25th, 2001, prior to the Annual Fish Health Section meeting in Victoria, B.C. Those in attendance included: Jerri Bartholomew, FHS President; Robert Bakal, USFWS; Kimberly True, USFWS; John Plumb, FHS; Eric Pelton, USFWS; Paul Bowser, FHS; Patricia Barbash, USFWS; Andrew Goodwin, FHS; Laura Kessel, USFWS; Chris Wilson, FHS; Marilyn Blair, USFWS; Linda Chittum, FHS; Linda Vannest, USFWS; Joy Evered, USFWS; Ray Brunson, USFWS.

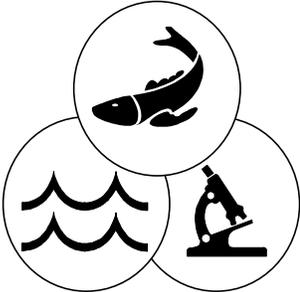
The group considered USFWS efforts on the National Wild Fish Health Survey Procedures, re-draft of the National Fish Health Policy, and an attempt to produce a comprehensive Fish Health Handbook that would address standard procedures for almost all operations within a FHC (diagnostics, QA/QC, risk assessment, policy, etc.). This "Aquatic Animal Health Laboratory Certification Manual" (AAHLCM) is being drafted with current OIE standards and Bluebook format in mind, but includes more updated technologies and detail on laboratory procedures. It contains a built-in annual review/revision process, as well as a standardized QA/QC Program.

There followed discussion about how should a collaborative effort between the USFWS could or should proceed with the FHS. With the exception of the Wild Survey Procedures, the AAHLCM is still in draft format, and it was agreed that initial review by FHS members would follow a more extensive review for the collaborative document. This collaboration would result in the "USFWS/AFS-Fish Health Section Uniform National Fish Health Inspection Procedures" manual". It was generally acknowledged that the Technical Procedures Committee of the FHS would be the focus of review. The group assembled a tentative list of participants for subcommittees that would approach a review on the basis of pathogen groups (i.e. bacteria, viruses, etc.). These subcommittees will review the pertinent sections of the current AAHLCM draft, and provide initial input back to committee chairs. Initial turn-around has been given a September 1 (2001) deadline, so these committees have their work cut out for them!

A more thorough drafting will go forward toward a completed document containing Fish Health Inspection/Certification Procedures, and the collaboration will be maintained during annual revisions, QA/QC audits, research and benchmarking of new procedures, etc. The Fish Health Section and USFWS recognize that for matters of national fish health, APHIS, AVMA, NMFS, state agencies and probably others should or could eventually have input.

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September 30, 2001

Fish Health Newsletter

Fish Health Newsletter - Editorial Policy

The *Fish Health Newsletter* is a quarterly publication of the Fish Health Section of the American Fisheries Society. Submissions on any topic of interest to fish health specialists and preliminary case reports are encouraged with the understanding that material is not peer reviewed. Abstracts submitted to the *Journal of Aquatic Animal Health* are also encouraged. Articles should not exceed two newsletter pages and should not have more than five references. Submissions *must* be formatted in Microsoft Word, WordPerfect 6.x or other major Windows word processors, 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.

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