



# Fish Health Section Newsletter

# A S F

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## PRESIDENTS' MESSAGE

### 1980

I want to give the membership a sincere thank you for electing me president of the Fish Health Section of the American Fisheries Society. I consider this a great honor, and a definite challenge. I sincerely wish to serve well as your president.

Most of us believe that the FHS is a progressive, viable, growing organization. Recent information from our parent society indicates that memberships are increasing substantially. This is probably due, mostly, to the much improved dues payment procedure. We certainly welcome increasing memberships and we must take advantage of this situation. Some of us feel there is a definite need for more cohesiveness in the FHS. That is, we need other people ("new blood") to begin participating. This is in no way intended to discourage the much appreciated and continued activity by FHS "old hands", but we do need new blood participation to keep the FHS viable.

Past presidents, officers, and committees have initiated, completed, or continued challenging and important programs toward reaching one of our most important FHS objectives - to control diseases in our private, state, and federal fisheries. During the present term, we will continue with some projects and initiate new ones on demand.

I thoroughly agree with the view that one of our greatest challenges is to set and maintain professionalism within the FHS. Present and past professional standards committees and boards of certification have done a great job toward this goal. We now have a registry of certified fish health inspectors, and we have finally approved a program for the certification of practicing fish pathologists.

Another challenge for the FHS is to make some headway toward non-infectious diseases and forensics. There is a definite need to develop and publish standard methods and procedures for investigating and solving nutritional, genetic, physiological, toxicological, and general environmental problems.

Other problems or items that will be addressed this term include a revision of our By-laws to effect better functioning of FHS activities; taxonomy of bacterial pathogens of fishes; better relations with private industry, including pet fish and shellfish; increasing FHS membership; and preparation of a current and more complete FHS membership directory. We should also

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Committees  
1. Eguira-Eel Diseases Book p. 5-6 FHS.  
2. WD - Omission (spore comp) p. 6  
3. Pleist. salmonae needed p. 7  
4. Sporozoan Tech (agar) p. 7



continue supporting the USFWS's registration activities involving fishery-use drugs and chemicals.

During June 24-26, 1980, we will conduct our Fourth Biennial Workshop of the Fish Health Section of the American Fisheries Society, jointly with the Western Fish Disease Conference at Seattle, Washington. Along with paper presentations and discussions, each committee will present a report of their activities at this workshop. We hope most members can attend to help make the 1980 meeting another great one!

Finally, I urge all members to speak out, either directly to me, to the Newsletter editor, committee members, or whoever you wish, about any ideas or problems. The important thing is to communicate - make your views known! Believe me, those serving on committees will appreciate your contributions. We must fight any tendency toward membership apathy. And by the way, if you wish to be included as a member on any committee, or desire a new one to be formed, please contact me or any appointed committee member. The present committee appointments of the FHS - 1980 are listed below, but again remember that if you are not named but wish to be - please step forward. Our FHS needs your participation.

Douglas L. Mitchum  
President FHS/AFS



#### Committee Appointments of the Fish Health Section - 1980

##### Executive Committee

Mr. Douglas L. Mitchum, President  
Mr. Dennis E. Anderson, President-Elect  
Dr. Joseph R. Sullivan, Secretary-Treasurer  
Mr. Ronald W. Goede, Past President  
Dr. T.P.T. Evelyn, Nominating Committee  
Dr. S.K. Johnson, Newsletter Committee  
Mr. Paul Janeke, Membership Committee  
Mr. Ronald D. Major, Technical Procedures  
Dr. Richard A. Heckmann, Professional Standards

##### Nominating Committee

Dr. T.P.T. Evelyn, Chairman  
Dr. Fred P. Meyer  
Dr. Thomas L. Wellborn

##### Newsletter Committee

Dr. S.K. Johnson, Chairman and Editor  
Dr. Joe Geraci  
Dr. Glen Hoffman  
Mr. Paul Janeke  
Mr. Matteo Cardella



Membership and Balloting Committee

Mr. Paul Janeke, Chairman

Mr. Gary W. Camenish

Technical Procedures Committee

Mr. Ronald D. Major, Chairman

Mr. Dennis E. Anderson

Mr. Gary W. Camenish

Professional Standards Committee

Dr. Richard A. Heckman, Chairman

Mr. Terry N. Otto

Mr. James W. Warren

Dr. Thomas L. Wellborn

Dr. Richard E. Wolke

Finance Committee

Dr. Joseph R. Sullivan, Chairman

Mr. Paul Janeke

Dr. S.K. Johnson

 Board of Professional Certification

Mr. David W. McDaniel, Chairman

Dr. Fred P. Meyer

Mr. Harold Wolf

Dr. Donald F. Amend

Dr. Wilmer A. Rogers

AD HOC Committees1. Non-Infectious Disease Committee

Mr. Ronald W. Goede, Chairman

Dr. Marsha L. Landolt

Mr. Charlie Smith

Dr. Gary Wedemeyer

Dr. George Post

Dr. Ray Simon

Dr. William T. Yasutake

2. Awards Committee

Mr. James W. Warren, Chairman

Dr. William T. Yasutake

Dr. Glenn Hoffman

3. Continuing Education Committee

Dr. George W. Klontz, Chairman

Dr. John A. Plumb

Dr. Fred P. Meyer

4. Private Industry Relations Committee

Dr. John A. Plumb, Chairman

Mr. James W. Warren

Dr. Andrew J. Mitchell

Dr. Paul Bowser

Dr. Stan Hudson

Dr. Dave Erickson

Dr. Dave Ranson

5. Taxonomy of Bacterial Pathogens of Fishes

Dr. Stanislas F. Snieszko, Co-Chairman

Dr. Emmett B. Shotts, Co-Chairman

Dr. G.L. Bullock

Dr. D.H. McCarthy

6. By-Laws Amendment/Revision Committee

Mr. Dennis E. Anderson, Chairman

Mr. Ronald W. Goede

7. Program Committee - 1980 Workshop

Dr. Donald F. Amend, Co-Chairman

Dr. Anthony J. Novotny, Co-Chairman

8. Arrangements Committee - 1980 Workshop

Dr. William T. Yasutake, Co-Chairman

Dr. Rowan Gould, Co-Chairman

9. Proceedings Publication Committee-  
1980 Workshop

Dr. Fred P. Meyer, Chairman



## 1980 AFS MEETING

The American Fisheries Society will meet, September 21-24, 1980 at the Galt House, Louisville, Kentucky. Submission deadline for formal abstracts and queries, should be sent to: H. Ronald Preston, AFS Program Chairman 1980, 303 Methodist Building, 11th and Chapline Streets, Wheeling, West Virginia 26003.

## NEW FHS DIRECTORY

A new, current directory is in the making. It will include all current (1980 paid) Fish Health Section members. Please send your current address AND PHONE NUMBERS to:

Mr. Paul Janeke, Chairman  
Membership and Balloting Committee  
Fish Disease Control Center  
P.O. Box 916  
Fort Morgan, CO 80701  
(303-867-9474)

## MEETING PROPOSAL

In the last newsletter a brief review was made of Fred Meyer's keynote address to the 1979 meeting of the International Association of Aquatic Animal Medicine (IAAAM). The review mentioned a proposal by Fred Meyer that a national or international meeting be held in 1980 or 1981 to include all groups interested in aquatic animal health.



In response to this idea Tony Novotny made these points and suggestions:

1. The Fish Health Section is holding its Biennial Workshop in 1980 and all arrangements have been made. The year 1980 for Fish Health Section is already set.
2. The Fish Culture Section (FCS) is meeting in New Orleans in 1980 with the World Mariculture Society and others.
3. Both FHS and FCS meet biennially and will plan for 1982 at the 1980 meetings.
4. Since FCS will probably meet with WMS in 1982 and WMS and Fish Health Section are both larger organizations than FHS, the FHS would likely move to that time slot also. Tony believed that the IAAAM is not too far from a usual late winter date anyway, so this would mean only a slight adjustment for them. Tony suggested that the President of the FHS appoint Fred Meyer to start coordination as soon as possible.

EDITORIAL COMMENT: A proceedings of the 1979 IAAAM-Florida Sea Grant "State of the Art" seminar on Aquatic Animal Health is to be printed by the Florida Sea Grant Office, University of Florida. It will be available in early 1980.

## NEW JOURNAL

The Journal of Aquaculture, (Aquascience Research Group, 512 East 12th Avenue, North, Kansas City, Missouri 64116) is now accepting papers. The deadline for the first quarterly issue (March, 1980) was December 1, 1979. The Journal is intended to be a professional resource and practical guide to all involved in aquarium science. Included will be feature articles, scientific papers, short communications, aids and book reviews. Subscription: \$35.00 per year (before March 1, 1980), \$40.00 per year (after March 1, 1980).

Submitted by Dr. Mark Dulin, 1403 Clark St., Ames, IA 50010.

## EEL DISEASE BOOK

A Diagnostic Manual of Eel Diseases Occurring Under Culture Conditions in Japan by S. Egusa, H. Wakabayashi, Aka, and Ohue 1974 (translation UNC-SG078-06 edited by W.L. Rickards), UNC Sea Grant, 105 1911 Bldg., N.C. State University, Raleigh, N.C. 27659, 89 pp., \$9.00.

(OVER)



sent CC  
Dave Mc Gregor  
+ Dave Bucke  
Ch Smith

This handy, color illustrated booklet is typical of everything Professor Egusa puts his hand to. It covers the bacterial, fungal, protozoan, trematode, nematode, copepod, and miscellaneous diseases encountered in eel culture in Japan. The above authors are credited with their respective contributions.

Submitted by Glenn L. Hoffman, U.S. Fish and Wildlife Service, Fish Farming Experimental Station, P.O. Box 860, Stuttgart, Arkansas 72160.

## Whirling Disease, Sins of Omission

When the revised Fish Disease Leaflet on whirling disease (Myxosoma cerebralis) was written, omitted was the basic parasitological must of "this species differs from its closest relatives in---". Please clip this out and insert it in page 3 of FDL 47:

### Myxosoma cerebralis--location, size, and morphology:

M. cerebralis is the only Myxosoma found in the cartilage of salmonids (the genus Myxosoma can be verified by the absence of an iodophilous vacuole; it is present in Myxobolus). Myxosoma squamalis occurs in the scales of Western USA salmonids, is about the same size as M. cerebralis (about 9 $\mu$ ) but possesses a narrow, but obvious, ridge that parallels either side of the sutural ridge. Myxobolus kisutch, another western salmonid parasite, occurs in the central nervous system, is about the same size as M. cerebralis, but possesses an iodophilous vacuole. Myxobolus neurobius, more widespread geographically, also is found in the central nervous system, but it is larger--10-13 X 7.5-8 microns. With this information any microscopist ought to be able to identify M. cerebralis. For further information contact Dr. G. L. Hoffman, U.S. Fish and Wildlife Service, Fish Farming Experimental Station, P.O. Box 860, Stuttgart, Ar 72160.

## **Pleistophora Salmonae Needed**

Dr. Carol Morrison, Fisheries and Oceans, P.O. Box 550, Halifax, N.S. B3J 2S7, Canada is making a critical electronmicrography study of microsporidians of trout and cod. She would like to receive some material preserved in preferably gluteraldehyde or possibly buffered 10% formalin. Gluteraldehyde--use 2.5% at pH 7.3, fix for 2 hours at about 4C, then store in same. For further information contact Dr. Morrison or Dr. G. L. Hoffman, Fish and Wildlife Service, Fish Farming Experimental Station, P.O. Box 860, Stuttgart, AR 72160.

## **SPOROZOAN TECHNIQUE**

Z. Hostounsky and Z. Zizka of Czechoslovakia, have modified an agar technique for examining spores of microsporidia and myxosporidia:

1. Preheat slides to about 60° C and add a drop of hot 2% agar.
2. Spread as when making blood smears, let cool and dry and store until needed.
3. At use, a small drop of spore suspension is placed on cover slip and placed face down on the agar-slide.
4. The suspension will spread and the spores will become firmly attached to the agar as it swells.

ADVANTAGES: No Brownian Motion, monolayer of spores, slides can be stored and are thus ready for use, cover slips can be sealed.

See: J. Protozool. 26 (3, Part 1) 1979 Program and Abstracts, p. 41A.

Submitted by Dr. G. L. Hoffman, U.S. Fish and Wildlife Service, Fish Farming Experimental Station, P.O. Box 860 Stuttgart, AR 72160.



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