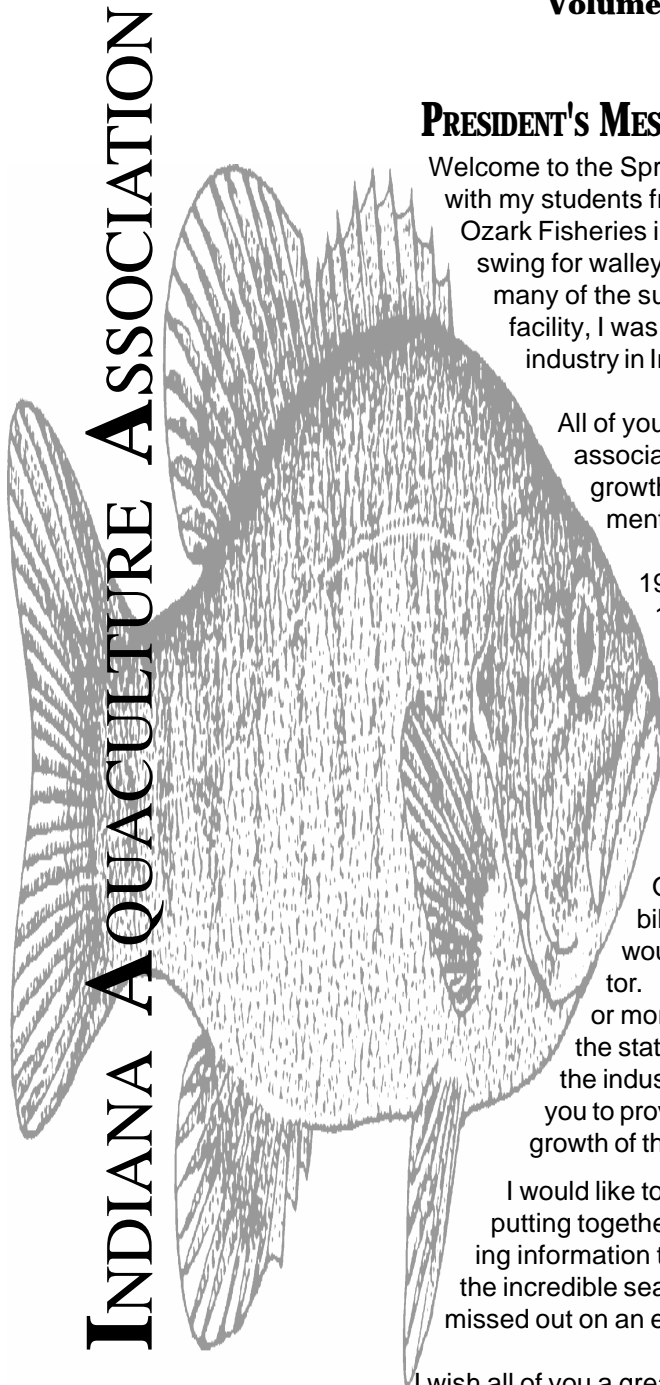


# Newsletter

Volume 13 Number 2 1999



INDIANA AQUACULTURE ASSOCIATION

## PRESIDENT'S MESSAGE

Welcome to the Spring issue of the IAA newsletter. I just returned with my students from a tour of Cikana State Fish Hatchery and Ozark Fisheries in Martinsville. The spawning season was in full swing for walleye and goldfish and by the time you receive this, many of the sunfish will be spawning as well. As we toured each facility, I was reminded of the diversity of the aquaculture industry in Indiana.

All of you are hard at work in many different capacities associated with our industry. Diversity is important to the growth of our industry and your participation and commitment to growth is vital to reach our association's goals.

1999 marks an important year for the IAA. Since 1987, the IAA has been working toward the goal of obtaining a state aquaculture coordinator. We made progress towards reaching this goal with the association's first legislative reception in March. Many members attended the gathering to discuss issues they felt were important. We were able to express our needs to legislators from around the state.

Our work has only begun, though, as we must get a bill introduced in the next legislative session that would create funding for a state aquaculture coordinator. The IAA board is working towards identifying one or more legislators to help write and present this bill in the statehouse. A state coordinator would be our voice for the industry assisting in legislative matters and working for you to provide information and leadership for the continued growth of the industry in Indiana.

I would like to personally thank Casey Reed for planning and putting together the reception. He did an excellent job of presenting information to the legislators, not to mention the selection of the incredible seafood buffet. Those of you who did not attend missed out on an excellent opportunity to voice our industries needs.

I wish all of you a great spring season and encourage you to write and speak with your local legislators so that we can be one voice for the industry. This is your association and your industry. Please be proactive and participate in all of the IAA functions.

Chad Nunley  
Area 30 Career Center

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## Message from the Editor

I hope all of you are having a safe and productive spring. I know you are spending many extra hours stocking and harvesting fish, plus all the long hours on the road. Please be careful and get as much rest as you can.

I have included a couple updates on the Illinois Fish Farmers Cooperative and the Processing Plant being planned for southern Illinois. These additional services in Illinois should have a positive impact not only the Illinois aquaculture industry but also the surrounding states. Both the plant and the Coop are the results of many people devoting numerous hours of discussion, planning, and championing for the Illinois Aquaculture Industry.

I recently visited a 70 acre catfish farm near Golanda, Illinois. Mr Glenn Hobbs also has a small HACCP approved processing facility he uses to process his fish which are then sold to nearby Evansville. Mr. Hobbs and his sons will benefit from a new loan program as he adds more acreage. The loan program is aimed specifically for alternative agriculture and will provide local access to the funding necessary for the capital and operating expenses needed to establish a fish farm.

At Purdue we are growing a variety of species outdoors in our ponds. We are evaluating hybrid striped produced by two well known fingerling suppliers and continuing our work with yellow perch. A field day is planned for this fall.

## Calendar

### **The 5th Annual Aquaculture Water Reuse Systems Short Course, June 22-26**

Cornell Animal Science and Teaching Center in Harford, NY. For more information contact: Brenda Snowberger, Agricultural and Biological Engineering, 607-255-2495, 607-255-4080 or bls19@cornell.edu

### **Aquaponics and Tilapia Aquaculture Short Course, July 11-17, 1999**

A 7-day course that will provide in-depth knowledge of the principles and practical application of the aquaponic and greenwater tank culture systems that have been developed at the University of the Virgin Islands. Contact Dr. James Rakocy, 340-692-4020, jrakocy@uvi.edu, or <http://rps.uvi.edu/AES/Aquaculture/UVIShortCourse.html>.

### **Second National Small Farm Conference, October 12-15, 1999.**

Second National Small Farm Conference, Regal Riverfront Hotel, St. Louis, MO. Contact: Denis Ebodaghe at 202-401-4385, eescobar@reeusda.gov or visit <http://www.luce.lincolnu.edu/nsfc>

### **129th American Fisheries Society Annual Meeting, August 29-Sep 2, 1999**

Adams Mark Hotel, Charlotte, North Carolina. Contact Betsy Fritz, 301/897-8616, ext. 212; [bfritz@fisheries.org](mailto:bfritz@fisheries.org).

## Infectious Pancreatic Necrosis Detected in Steelhead Stocks at Mishawaka State Fish Hatchery

Trout and salmon stocked in the Lake Michigan watershed are routinely sampled for the presence of diseases that threaten in the Lake Michigan ecosystem. These pathogens include viral hemorrhagic septicemia and infectious hematopoietic necrosis, which are emergency diseases because they cause high mortality and have not been detected east of the continental divide. Efforts to keep these diseases confined to the West Coast include requirements that any trout or salmon imported into Indiana originate from brood stocks located east of the continental divide. Restricted fish diseases, which are diseases that have been detected within the basin, include whirling disease, infectious pancreatic necrosis, bacterial kidney disease, furunculosis, and enteric redmouth. The pathogens that cause these diseases are also detected by these annual inspections.

Infectious pancreatic necrosis (IPN) was detected in samples of winter run steelhead immediately prior to a scheduled stocking program in December 1998. Although no mortality was detected, this lot of fish was immediately destroyed in an attempt to avoid spreading the pathogen throughout the hatchery and to protect against stocking a potential pathogen into Lake Michigan waters.

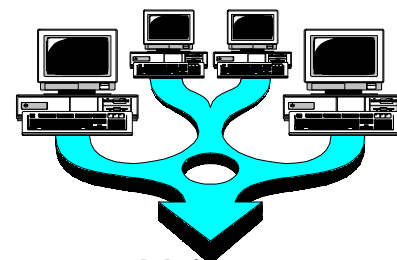
Following destruction of this lot, the other steelhead at the hatchery were immediately inspected. These fish also tested positive for IPN, although no mortality was associated with the infection. Consultation with the Animal Disease Diagnostic Laboratory and the Great Lakes Fish Health Committee revealed several different strains of IPN could be involved, including strains that do not cause mortality in fish stocks.

Armed with this knowledge, paired samples were collected from the affected lots. One set of

samples was analyzed by the LaCrosse Fish Health Center, which processes samples for many Great Lakes agencies. The other set of samples was processed by the ADDL. The samples tested negative at LaCrosse indicating the organism detected at the ADDL was not the same IPN organism monitored by the LaCrosse Lab. Based on these findings, and the total lack of disease related mortality in the affected lot of fish, they were cleared for stocking.

Further studies at the ADDL will positively identify this organism, test its ability to kill fish and provide the necessary information for determining the most appropriate management decisions if the organism is detected in the future.

Private fish haulers and suppliers should remember that trout and salmon imported into Indiana and stocked in the Lake Michigan drainage must come from brood stock sources located east of the continental divide and are required to be inspected for restricted diseases as part of the Haulers and Suppliers or Aquaculture permit requirements. For more information about these requirements Contact State Hatchery Headquarters at 754-342-5527 or the Fisheries Staff Specialist at 317-232-4080.



**IAA is Now  
on the World Wide Web**  
[ag.ansc.purdue.edu/aquanic/iaa/](http://ag.ansc.purdue.edu/aquanic/iaa/)

## 1999 IAA Officers and Board Members

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**Send events for the Newsletter to:  
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Illinois-Indiana Sea Grant College Program  
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Purdue University  
West Lafayette, IN 47907-1026.**

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## Indiana Department of Natural Resources District Fish Biologists

### **District 1**

Bob Robertson  
Bass Lake Fisheries Station  
6718 E. Winona Ave.  
Knox, IN 46534  
(219) 772-2353

### **District 2**

Neil Ledet  
Fawn River State Fish Hatchery  
6889 N. SR 327  
Orland, IN 46776  
(219) 829-6241

### **District 3**

Jed Pearson  
Tri-Lakes Fisheries Station  
5570 N. Fish Hatchery Road  
Columbia City, IN 46725

### **District 4**

Ed Braun  
Tri-Lakes Fisheries Station  
5570 N. Fish Hatchery Road  
Columbia City, IN 46725  
(219) 691-3181

### **District 5**

Doug Keller  
Cikana State Fish Hatchery  
2650 SR 44  
Martinsville, IN 46151  
(765) 342-5527

### **District 6**

Steve Andrews  
Avoca State Fish Hatchery  
P.O. Box 16  
Avoca, IN 47420  
(812) 279-1215

### **District 7**

Dan Carnahan  
Sugar Ridge Fish and Wildlife Area  
2310 E. SR 364  
Winslow, IN 47598

### **District 8**

Larry L. Lehman  
Driftwood State Fish Hatchery  
4931 S. CR 250 W.  
Vallonia, IN 47281  
(812) 358-4110

Lake Michigan Office  
Jim Francis  
Lake Michigan Investigation  
100 W. Water Street  
Michigan City, IN 46360  
(219) 874-6824

Big Rivers Fisheries Program  
Tom Stefanavage  
Sugar Ridge Fish and Wildlife Area  
2310 E. SR 364  
Winslow, IN 47598  
(812) 789-2724

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## Indiana Department of Natural Resources State Hatcheries

Avoca State Fish Hatchery  
P.O. Box 16  
Avoca, IN 47420  
(812) 279-1215

Curtis Creek  
Trout Rearing Station  
4250 E, 400 N.  
Howe, IN 46746  
(219) 562-3855

East Fork State Fish Hatchery  
R.R. 2 Box 161  
Montgomery, IN 47558  
(812) 644-7717

Mixsawbah State Fish Hatchery  
5500 S, 675 E  
Walkerton, IN 46574  
(219) 369-9591

Cikana State Fish Hatchery  
2650 State Road 44  
Martinsville, IN 46151  
(765) 352-5527

Driftwood State Fish Hatchery  
4931 S. 250 W.  
Vallonia, IN 47281  
(219) 562-3855

Fawn River State Fish Hatchery  
6889 N. State Road 327  
Orland, IN 46776  
(219) 829-6241

Bodine State Fish Hatchery  
13200 East Jefferson  
Mishawaka, IN 46545  
(219) 255-4199

## Pinckneyville Prison Fish Processing Center

The processing center is currently in the design stages. We hope to break ground this summer, and have the facility open for business during winter/early spring next year. The processing center will be approximately 14,000 square feet in size, and it will have a maximum capacity of 20 million pounds of fish annually. The processing line will be mostly manual, so it will handle to a wide variety of farm-raised fish, including-but not limited to-catfish, tilapia, trout, perch, and hybrid striped bass. The processing center will not buy fish-it will simply charge \$0.20-0.22 cents per pound live weight to process the fish. The fee includes a box to package the fish. This processing fee is half the industry average. Furthermore, we are removing the "middle man" and allowing fish farmers to earn a greater percentage of the *wholesale* value of their processed fish. Professional fish brokers will be working with the processing center and fish farmers to market processed fish to the wholesale market. More details on the project will become available in July.

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## Illinois Fish Farmers Co-op Update

The Illinois General Assembly is considering legislation (HB 1900/SB 725) to provide \$1 million dollars per year for ten years to develop the Illinois Fish Farmers Co-op. The funding for the co-op will be derived by diverting \$0.006 cents per pound of the current Illinois retail sales tax on seafood. HB 1900 passed the Illinois House 114-0, and SB 725 passed the Senate 53-2. Both bills will soon be presented to Illinois Governor George Ryan for his approval.

The co-op will work with the fish processing center and Illinois fish farmers to develop and organize Illinois' aquaculture industry. The co-op will use their funding source to: Hire extension staff, provide diagnostic services, institute quality standards in the Illinois industry, identify and fund research needs, develop education programs in high schools.

More details will be available in July...if you have questions call Doug Wojcieszak at 217-782-5409.

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## NCRAC Publications

<http://ag.ansc.purdue.edu/ncrac>

Contact LaDon Swann for ordering information

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### Extension Fact Sheets

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- #101 - Making Plans for Commercial Aquaculture in the North Central Region, by *D. Garling (Michigan State University)*
  - #102 - Pond Culture of Walleye Fingerlings, by *L. Harding, C. Clouse, R. Summerfelt, and J. Morris, (Iowa State University)*
  - #103 - Choosing an Organizational Structure for Your Aquaculture Business, by *S. Kohler and D. Selock (Southern Illinois University-Carbondale)*
  - #104 - Transportation of Fish in Bags, by *L. Swann (Purdue University)*
  - #105 - Use and Application of Salt in Aquaculture, by *L. Swann and S. Fitzgerald (Purdue University)*
  - #106 - Pond Culture of Channel Catfish in the North Central Region, by *J. Morris (Iowa State University)*
  - #107 - Pond Culture of Hybrid Striped Bass Fingerlings in the Midwest (*in press*), by *J. Morris (Iowa State University) and C. Kohler (Southern Illinois University-Carbondale)*
  - #108 - Trout Culture in the North Central Region, by *K. Cain and D. Garling (Michigan State University)*
  - #111 - Costs of Pond Production of Yellow Perch in the North Central Region, 1994-95, by *J. R. Riepe (Purdue University)*
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### Culture Series

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- #101 - Walleye Culture Manual, *R. Summerfelt - Managing Editor*
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### Video Series

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- #101 - Something Fishy: Hybrid Striped Bass in Cages, by *L. Swann (Purdue University)*
  - #102 - Aquacultural Marketing: A Practical Guide for Fish Producers, by *R. Pierce (University of Missouri), R. Henderson, and K. Neils (Kansas State University)*
  - #103 - Investing in Freshwater Aquaculture, *edited by L. Swann (Purdue University)*
  - #104 - Sunfish (*Lepomis spp.*) Culture, *edited by J. E. Morris and C. C. Mischke (Iowa State University)*
  - #105 - A Guide to Making Safe Smoked Fish  
*A. Ingham (University of Wisconsin - Madison)*
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### Technical Bulletin Series

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- #101 - Aquaculture Law in the North Central States: A Digest of State Statutes Pertaining to the Production and Marketing of Aquacultural Products, by *S. Thomas, R. Sullivan, R. Vertrees, and D. Floyd (Ohio State University)*
  - #102 - A Basic Overview of Aquaculture, by *L. Swann (Purdue University)*
  - #103 - North Central Region 1990 Salmonid Egg and Fingerling Purchases, Production, and Sales, by *R. Kinnunen (Michigan State University)*
  - #104 - Survey of Wholesale and Retail Buyers in the Six Southern States of the North Central Region, by *L. Hushak, C. Cole, and D. Gleckler (Ohio State University)*
  - #105 - The Bait Industry in Illinois, Michigan, Minnesota, Ohio, South Dakota, and Wisconsin, by *T. Meronek (Georgia Department of Natural Resources), F. Copes and D. Coble (University of Wisconsin, Stevens Point)*
  - #106 - Factors to Consider in Establishing a Successful Aquaculture Business in the North Central Region, by *F. Lichtkoppler (Ohio State University)*
  - #107 - Niche Marketing Your Aquaculture Products, by *L. Swann and J. R. Riepe (Purdue University)*
  - #110 - Cage Culture of Fish in the North Central Region, by *L. Swann (Purdue University), J. Morris (Iowa State University), D. Selock (Southern Illinois University-Carbondale), and J. R. Riepe (Purdue University)*
  - #111 - Enterprise Budgets for Yellow Perch Production in Cages and Ponds in the North Central Region, 1994-95, by *J. R. Riepe (Purdue University) (cost reimbursable-case by case)*
  - #112 - Culture Potential of Selected Crayfishes in the North Central Region, by *P. Brown (Purdue University) and J. Gunderson (University of Minnesota)*
  - #113 - Walleye Markets in the North Central Region: Results of a 1996/97 Survey, by *J. R. Riepe (Purdue University)*
  - #114 - Plankton Management for Fish Culture Ponds (*in press*), by *J. E. Morris and C. C. Mischke (Iowa State University)*
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