

# LATERAL LINES

VOLUME 14, NO. 4 SEPTEMBER, 1998

THE NEWSLETTER OF THE IOWA CHAPTER OF THE AMERICAN FISHERIES SOCIETY

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## PRESIDENT'S CORNER

Greetings from your lame duck President. At the conclusion of the national AFS annual meeting in Connecticut, your next chapter President, Dick McWilliams will take office. Please join me in welcoming Dick on board!

In an earlier newsletter I had indicated that one of my presidential goals of my Chapter Presidency was to promote AFS membership for both students and agency personnel. To that end Mark Pegg, AFS student representative, and I have designed a brochure. Once we receive final Chapter approval for this brochure it will be distributed.

The AFS-IA chapter newsletter editor, Brian Pottebaum, has done a fine job in putting together the newsletter. My sincere thanks to him for his patience (waiting for my material) and for his willingness for taking on such a difficult task.

In addition, thanks to Tom Boland for being co-chair of the Catfish 2000, 1st International Ictalurid Symposium, held June 23-25, 1998 in Davenport, IA. Although I was not able to attend this meeting, I heard from individuals from both within the state and outside the Midwest that this meeting was quite good. It brought together specialists from resource agencies across the nation and the general fishing public to discuss and share their knowledge concerning the management, research, and culture of catfishes. Thanks to the cosponsors of this meeting: the Iowa and Illinois AFS Chapters, Quad Cities

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Conservation Alliance (QCCA), Upper Mississippi River Conservation Committee (UMRCC), In-fisherman, Inc., and the North Central Division of the American Fisheries Society. All AFS-IA chapter members who participated in either the planning or actual attendance in this timely meeting should also be commended. Again, great job Tom!

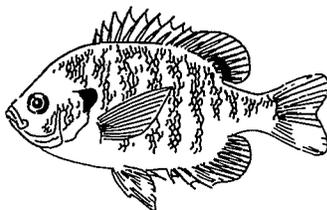
The president-elect, Dick McWilliams has been meeting with representatives from the Wisconsin and Minnesota chapters in planning the Tri-State Chapter AFS meeting in La Crosse, WI, scheduled for January 5-7, 1999. Keep in mind the deadlines for the title and abstract deadlines: titles (November 1) and abstracts (December 1). We need participation from IA chapter members to make this meeting to be both informative and substantial. Please give consideration in both submitting papers (earlier the better) and also becoming involved in various committees, e.g., raffles and meeting accommodations. See associated story in this newsletter for additional meeting details.

Clay Pierce (IA Cooperative Fisheries and Wildlife Research Unit) is in the process of setting up the next Continuing Education Workshop entitled "Applications of GIS in Natural Resources: An Introduction." It will be taught by Kevin Kane, manager of ISU GIS Support and Research Facility (formerly GIS coordinator for Iowa Department of Natural Resources). This workshop will cover the background, scope and potential applications of GIS technology in natural resources and fisheries. It will also involved the base use of desktop software (ArcView«) with hands-on exercises and fisheries examples. More details concerning this workshop will be in future newsletters.

In conclusion, my heartfelt thanks to all of you for your support during my tenure as your Chapter President. In the event that Dick ask you to become involved in the Chapter, please consider it. For those of you who are already members, please consider becoming involved in the organization, either as a candidate for office or in a service capacity. As many of you have already heard before, the quality of an organization is based directly upon those who participate fully in it.

*Joe Morris*

Iowa Chapter President



**Newsletter of the Iowa Chapter  
of the American Fisheries Society  
Volume 14, Number 4**

**Committee Chairpersons**

|                           |                           |
|---------------------------|---------------------------|
| Audit .....               | Mark Winn                 |
| Membership .....          | Tom Boland                |
| Resolutions.....          | Marion Conover            |
| REAP.....                 | Dick McWilliams           |
| Continuing Education..... | Clay Pierce               |
| Student Affairs .....     | Mark Pegg                 |
| Nominations.....          | Mark Flammang             |
| Best Paper .....          | Steve Waters              |
| Education .....           | Gary Siegwarth/Tom Boland |
| Catfish 2000 .....        | Tom Boland                |

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## Post Catfish 2000 Update

Tom Boland

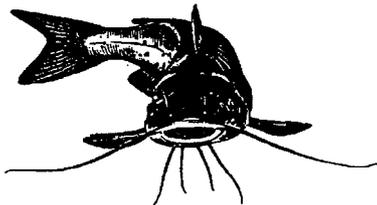
The 1st International Ictalurid Symposium is history! Approximately 250 people from 29 states and three countries attended this event. Their interests varied from catfish research and management to tackle and bait manufacturers to professional media and fishing guides. Over 60 platform papers and 11 poster papers were presented.

Symposium highlights included presentations from Doug Stange of Infisherman, Inc. (Catfishing in America), Michael Goulding (Catfish of the Amazon), and Keith Lambert from England talking about "The Mighty Wels of Europe." Also, a workshop followed the event sponsored by MICRA, which will help focus attention on future catfish initiatives.

Publication of the proceedings edited by Dr. Tom Coon (Michigan State University) is planned to be available through AFS within a year. Also, a video tape of the Plenary Session is being considered.

The co-chairmen, (Tom Boland and Steve Quinn) along with all the steering committee members would like to thank everyone that helped out with the symposium (there were many) at whatever capacity.

Thanks again for the strong interest and support by attending the symposium and making Catfish 2000 a very successful and special event. We have given the next Catfish Symposium organizers and sponsors something to shoot for.



## Iowa Chapter Welcomes New Officers

Congratulations go to **Dr. Robert Summerfelt** and **Mike Steuck**, the new Iowa Chapter President-elect and prevailing Secretary/Treasurer respectively. Robert will be busy arranging the speakers for the upcoming tri-state meeting with the Wisconsin and Minnesota AFS Chapters. If you have a paper you would like to present, please get in touch with him or Dick McWilliams ASAP. Mike will continue to invest our money wisely, and diligently record chapter events. We wish our leaders luck as they guide our Chapter toward the millennium!!

A note of special thanks goes to **Scott Gritters** and **Paula Surber** for stepping up to bat in the election and to **Mark Flammang** for putting together a slate of first class candidates. I would also like to encourage all the rest of the chapter members to consider being a candidate for the next election.

### *American Fisheries Society* 130th annual meeting in St. Louis, Missouri

The parent society is in the process of planning the next national society meeting. The 130th annual meeting is scheduled for August 14-19, 2000, in St. Louis, Missouri. The theme for the meeting will be "Reflections". The intent of this theme is to provide an opportunity to look back at milestones as well as honestly assess the society's oversights. One of the goals for this meeting will be to foster greater communication among disciplines. Although there is plenty of time until the official requests for proposals are sent out, and no immediate action needs to be taken now, please consider attending this event.



# First and Last Call for Papers

## Tri-state Chapter AFS Meeting

### La Crosse, WI

On January 5-7, 1999, the Iowa, Wisconsin and Minnesota State Chapters of the American Fisheries Society (AFS) will meet in the backwaters of the Mississippi River for scientific presentations on fish and other aquatic resources. Please plan on attending this unique Tri-State Chapter Meeting. The meeting is scheduled to be held at the Yacht Club Resort, 529 Park Plaza Resort, La Crosse, Wisconsin.

Tentative Schedule:

### January 5th, 1999 (Tuesday)

Continuing Education Workshop - Ethics in Fisheries Management (more information to follow) \$45.00

6:00-12:00 pm general discussion and mixer (all members) \$160.00 - \$130

### January 6th, 1999 (Wednesday)

8:00-12:00 noon Papers (Concurrent sessions)

\* (Lunch on your own)

1:00-4:00 pm Papers

4:00-5:00 pm Chapter meetings

5:00-7:00 pm Social

6:30-8:00pm Supper (w/guest speaker Dr. Calvin Flemming)

### January 7th, 1999 (Thursday)

8:00 - noon Papers

12:00 - lunch \*(provided if desired)

Titles and abstracts for the Tri-state Chapter Meeting are now invited. The **deadline** for title submission is November 1, 1998, and for abstracts December 1, 1998. Titles and abstracts should be submitted electronically, either mailed on a floppy disk or sent via e-mail. Files on floppy disk must be in ASCII, Word, or WordPerfect file format; e-mail submissions can be in those file formats for an attached file or placed in the body of the message. Abstracts, including the author and title lines, are to be no more than 250 words. Include at the top of the file the following information for both title and abstract submissions: author(s), institution, mailing address, phone number, e-mail address, who will present the paper (and if a student or not), and preference for oral or poster presentation. Persons submitting titles and abstracts will be notified of their receipt.

Titles and abstracts should be sent to: **Paul Radomski, Minnesota DNR, 1601 Minnesota Drive, Brainerd, MN 56401; e-mail: paul.radomski@dnr.state.us.**

Talks will be scheduled for 20 minutes (15 minute presentation and 5 minutes for questions). People with questions on title or abstract submission could contact Paul Radomski at 218-828-2246.



## **Back To The Grindstone!**

The ISU students hit the books again for another semester of mental molding. It will be another busy year for the Fisheries Department. The fisheries gurus (professors if you will) will have their hands full with several graduate student projects, and don't forget the constant overflow of undergraduates. Over the years, some top notch research projects have been produced. Fortunately, there are more to come, some are new, and some are ongoing projects.

Some of the projects that are in the fire this semester are as listed:

"Habitat use and population dynamics of benthic fishes Along the Missouri River" **Mark Pegg**, with Clay Pierce as the major professor.

"Forage fish production and piscivorous consumption demand in Spirit Lake, Iowa: balancing trophic supply and demand in a managed Walleye fishery" **Mark Pelham**, **Mark Sexton**, and **Hongsheng Liao** with Clay Pierce as the major professor.

"Evaluation of the importance of instream habitats to fish populations and the potential for protecting and enhancing Iowa's interior river resources" **Jeff Madejczyk** (now completed graduate student) with Clay Pierce as the major professor.

"Plankton management for fish culture ponds" **Chuck Mischke** with Joe Morris as the major professor.

"Watershed effects on the aquatic communities of Iowa farm ponds" **Shannon Keefer** with Joe Morris as the major professor.

"Availability of sediment-bound organophosphate pesticide to fish" **Todd Phillips** with Robert Summerfelt as the major professor.

"Environmental factors influencing recruitment of walleye in Iowa's inland streams" **Louise Mauldin** with Robert Summerfelt as the major professor.

Dr. Summerfelt has recently taken on two more students, **Robert Bringolf** and **Dr. James Forsberg**. Robert started this fall, so his dissertation topic has not been developed, and Dr. Forsberg is starting his second year as postdoctoral research associate, working on physiological problems associated with transporting walleye from Rathbun to Spirit Lake.

**J. Alan Johnson** completed his MS degree December 1997, and his thesis "Spray-dried blood cells as a partial replacement for fish meal in diets for rainbow trout" with Robert Summerfelt as the major professor. Alan stayed on through August 1998 to assist Dr. Summerfelt with on-going research projects down in the fish mines in Science II. He is now seeking permanent employment. Congrats and best of luck, Al!





## The American Fisheries Society (AFS) and The Wildlife Society (TWS) Support the Missouri River Monitoring and Assessment Program (MRMAP)

Mike Steuck

A joint resolution was passed to Representatives by the Iowa Chapters of the AFS and TWS supporting authorization and funding for the Missouri River Monitoring and Assessment Program (MRMAP). This program would establish long term monitoring of biological, physical and chemical components of all reaches of the Missouri River and provide data benefiting all river managers involved in fish and wildlife, recreation, agriculture and navigation interests.

A similar program in existence on the Upper Mississippi River System for the past ten years has provided valuable information to help decision makers better manage the river's resources. The Iowa Chapters of the AFS and TWS asked for their proactive support of the Missouri River Environmental Assessment Program as it moves through Congress. They also ask you, the people, for your support as we try to establish a worth while monitoring station on the Missouri River.

The Resolution reads as follows:

Whereas: The Missouri River and its floodplain have been significantly modified in the past 50 years to serve a diversity of important human needs including flood control, navigation, hydropower generation, municipal and industrial water supply, and irrigation; and

Whereas: These modifications have profoundly impacted essential habitat for some native fish and birds resulting in federal listing of one fish and two birds; the classification of two fish as candidates for federal listing; and state listing of four other fish species in one or more Missouri River states; and

Whereas: Although these modifications have created economically significant, reservoir and tailwater sport fisheries; the cost to the natural riverine ecosystems are unknown; and

Whereas: Public and agency input to the ongoing Corps of Engineers Master Manual Review and Environmental Impact Statement process clearly identified the need for collection of comprehensive long-term natural resource data to understand the effects of management changes to the river system; and

Whereas: The Missouri River system is long and complex having six large storage reservoirs, unchannelized reaches, reaches affected by severe alterations in water temperatures and daily and seasonal flows, and has other confounding factors that affect fish and wildlife management of the river and its floodplain; and

Whereas: The range of uses demanded of the Missouri River and its floodplain is also large and complex with some uses being in conflict or competing with river fish and wildlife needs; and

Whereas: The U.S. Corps of Engineers, natural resources, and water quality management agencies need consistently collected, system-wide long-term biological, physical, and chemical data to

identify, evaluate, prioritize, and implement cost-effective restoration and management actions that recover threatened and endangered species, preclude listing of additional species while maintaining all of the other important benefits the system provides; and

Whereas: Existing local, state and federal habitat restoration and protection programs already underway on the Lower Missouri River, e.g., the Missouri River Migration Project, U.S. Fish and Service's Big Muddy Refuge and U.S. Department of Agriculture wetland easement, should be comprehensively evaluated to determine best restoration designs and concepts and which projects result in long-term benefits to the river's ecological health; and

Whereas: Systemic sampling of the entire river will prove data that not only benefits management of fish and wildlife resources, but also a wide range of river interest including floodplain agriculture, commercial navigation, river recreation, municipal and industrial water users, Native American Tribes; and

Whereas: The Missouri River Basin Association requested that the Missouri River Natural Resources Committee develop a system-wide monitoring and assessment program for the Missouri River to provide the best scientific data possible for future river management decisions; and

Whereas: The Missouri River Natural Resources Committee, working with the United States Geological Survey-Biological Resources Division, develop a comprehensive monitoring and assessment program for the river- *The Missouri River Environmental Assessment Program* -in cooperation with 11 states and six federal agencies and 26 Native American Tribes with fish and wildlife, water quality, water supply, flood control and power generation responsibilities for the Missouri River.

Now, Therefore Be It Resolved that the Iowa Chapters of the American Fisheries Society and The Wildlife Society, through Executive Committees on March 23, 1998 hereby unanimously support Congressional authorization and funding for *The Missouri River Environmental Assessment Program*.

Be It Further Resolved that the Iowa Chapter of the American Fisheries Society and The Wildlife Society recognize that sufficient information from a number of disciplines is needed to ensure that decision makers at all levels utilize this information to restore and protect the ecological integrity and functioning of the Missouri River ecosystem for present and future generation.

Be It Further Resolved that copies of this resolution be distributed to the governor, members Iowa Congressional delegation, other interested agencies, organizations, and individuals, as well as the North Central Division of the American Fisheries Society, and the Central Mountains and Plains Section of the Wildlife Society.

# Now That's Sick!

Match the disease with the disease-causing organism.

| Disease                               | Organism                                   |
|---------------------------------------|--------------------------------------------|
| 1 Haystacks                           | A. Yersinia ruckeri                        |
| 2 Fin rot                             | B. Ichthyophthirius multifiliis            |
| 3 Furunculosis                        | C. Renibacterium salmoninarum              |
| 4 Bacterial kidney disease (BKD)      | D. Neascus (i.e. Crassiphiala bulboglossa) |
| 5 Ich                                 | E. Flexibacter columnaris                  |
| 6 Whirling disease                    | F. Aeromonas salmonicida                   |
| 7 Enteric septicemia of catfish (ESC) | G. Flavobacterium branchiophila            |
| 8 Enteric redmouth disease (ERM)      | H. Aeromonas hydrophila                    |
| 9 Black spot disease                  | I. Myxosoma cerebralis                     |
| 10 Bacterial gill disease (BGD)       | J. Edwardsiella ictaluri                   |

Answers: 1-E, 2-H, 3-F, 4-C, 5-B, 6-I, 7-J, 8-A, 9-D, 10-G

Rating: 1-2 correct- absent from class; 3-6- still need schooling, 7-8- assistant fish culturist, 9-10- fish culturist



## Brain Teasers

### A Sailor's Puzzle

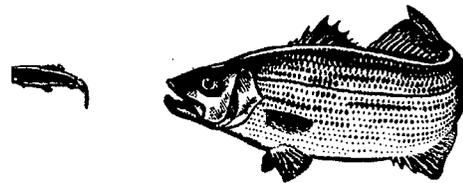
Not too long ago, a ship was loosely anchored in a port just above the dam on Red Rock Lake. A rope ladder hung over the ship's side. There were sixteen rungs in the ladder. The bottom rung of the ladder just touched the water. Every half hour, believe it or not, the water level rose exactly one-half the distance between two rungs on the ladder. How long did it take for the water to cover four rungs of the ladder?

**Answer:** *The water never covered any of the rungs. A ship, as you may already know, floats on the water. So, as the water level rose, the ship rose accordingly. And the rope ladder, which was attached to the ship, rose as well.*

### What kind of fish am I?

1. I am a member of the Centrarchidae family.
2. I can be found in lakes, rivers and streams.
3. I am sometimes referred to as a green trout.
4. I have a smaller mouth than my closely related family member.
5. The state record was caught in West Okoboji Lake (7 lbs. 12 oz.) in 1990.
6. I am frequently caught by Willy Wackerbarth, but never by Dean Roush.

**Answer:** I am a smallmouth bass (*Micropterus dolomieu*). Other names for me are brown bass, brownie, bronzeback, river bass, jumper, Oswego bass, and redeye bass.



### Did you know...

The Dardevle, a red-and -white spoon was originally called the Daredevil. But because of fears that religious types would object to the association of the Devil with a fishing lure, the spelling was changed. For the record, the Dardevle originally celebrated the U.S. Marines of WWI, who were nicknamed the Dare Devils by their Allies.

Taken from *Wit & Wisdom of Fishing* by Bignami et al.



## Meetings of Interest



Sept 15-16, 1998 **Upper Mississippi River Conservation Committee (UMRCC) Meeting.** Held in Dubuque. Contact Tom Boland, Bellevue Research Station, 319/872-4976 for more information.

Oct 9, 1998 **Brushy Creek Dedication.** Contact Lanny Miller at the Black Hawk Station, 712/657-2639 for more information.

Dec 6-9, 1998 **North Central Division Salmonid Technical Committee Symposium, 60th Midwest Fish and Wildlife Conference.** Hyatt Regency, Cincinnati, Ohio. Contact Kevin Kayle, Fairport Fish Station, Ohio Division of Wildlife, 421 High Street, Fairport Harbor, OH 44077; 440/352-6100; FAX 440/350-0250; kevin.kayle@dnr.state.oh.us

Jan 5-7, 1999 **Iowa-Wisconsin-Minnesota Joint Annual AFS Chapter Meeting.** At the Yacht Club Resort in LaCrosse, WI. Contact Dick McWilliams, Iowa DNR / Boone Research Station, 1436 255th Street, Boone, IA 50036, 515/432-2823; FAX 515/432-2835.

Jan 12-14, 1999 **Cool water Fish Culture Workshop.** Regency Inn, Kearney, NE. Contact Jim Gleim, NE Game & Parks Conservation, 308/346-4226 for more information and to contribute a paper/talk.

Jan 27-30, 1999 **"Aquaculture America" World Aquaculture Society/ AFS Fish Culture Section.** Tampa Bay, Florida. Contact Dr. Robert Summerfelt, Iowa State University, 515/294-6107 for more information.

Feb 1-3, 1999 **Midcontinent Warmwater Fish Culture Workshop.** Harrah's, Kansas City, MO. Contact Tommy Crawford, Kansas Dept. of Wildlife & Parks, 913/238-2638 for more information and to contribute a paper/talk.

Aug 30-September 2, 1999 **The 129th Annual Meeting of the AFS.** Adams Mark Hotel, Charlotte, North Carolina. Contact Betsy Fritz; AFS; 5410 Grosvenor Lane, Suite 110; Bethesda, MD 20814-2199; 301/897-8616, ext. 212; FAX 301/897-8096; bfritz@fisheries.org.

Aug 20-24, 2000 **The 130th Annual Meeting of the AFS.** Adams Mark Hotel, St. Louis, Missouri. Contact Betsy Fritz; AFS; 5410 Grosvenor Lane, Suite 110; Bethesda, MD 20814-2199; 301/897-8616, ext. 212; FAX 301/897-8096; bfritz@fisheries.org.

Aug 19-23, 2001 **The 131th Annual Meeting of the AFS.** Crowne Plaza Hotel and Phoenix Convention Center, Phoenix, Arizona. Contact Betsy Fritz; AFS; 5410 Grosvenor Lane, Suite 110; Bethesda, MD 20814-2199; 301/897-8616, ext. 212; FAX

*The American Fisheries Society supports the conservation of North America's fisheries and aquatic ecosystems by promoting professional excellence in fisheries science, management, and education.*



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