



LATERAL LINES

VOLUME 13, NO. 3 JUNE, 1997

THE NEWSLETTER OF THE IOWA CHAPTER OF THE AMERICAN FISHERIES SOCIETY

CHAPTER OFFICERS

PRESIDENT

Tom Boland
Iowa DNR/Bellevue Fisheries Management
24143 Highway 52
Bellevue, IA 52031
319/872-4976; FAX 319/872-4945

PRESIDENT-ELECT

Joe Morris
Department of Animal Ecology
124 Science II
Ames, IA 50011-3221.
515/294-6148; FAX 515/294-7874

SECRETARY-TREASURER

Chris Larson
Iowa DNR/Cold Springs Research
Lewis, IA 51544
712/769-2587; FAX 712/769-2440

PAST PRESIDENT & MEMBERSHIP CHAIR

Gary Siegarth
Iowa DNR/Manchester Research
RR 2 Box 269A
Manchester, IA 52057
319/927-3276; FAX 319/927-5736

PRESIDENT'S CORNER

It's hard to believe that my term is almost 9/12ths complete, but then, who's counting! I just got off the phone with Joe Morris, our illustrious V. P., to get the latest details on the upcoming meetings and workshop. Joe has been diligently planning a continuing education workshop that will be entitled "Statistics for the Field Biologist". It will be taught by Mark Kaiser and held sometime during October or November at Iowa State. And, as the name suggests, it will be designed for the "practical application" of statistics for the field biologist. So, be sure to get your reservation in early for this sure to be popular event. Also, Joe has met with the wildlife people to start planning our next annual joint AFS Chapter & Wildlife Society Meeting. Again, due to our "Ames Connection", it will be held in the Memorial Union at Iowa State sometime in late January. We will have multiple sessions with an ag-ecology theme, so you may want to start thinking about potential papers to contribute.

And... what has Tom been doing you might ask - working on Catfish 2000 of course! I'm pleased to say that the planning for this event is moving along well. We have accepted 68 abstracts for papers from authors in Canada, Europe, and South America as well as a full cross-section of the U.S. Multiple sessions will address the "Biology and Management of Ictalurid Catfishes," and Dr. Tom Coon of Michigan State University will be the Technical Editor for the proceedings of the symposium presentations.

Also, I want to again alert you to the emerging major issue concerning the "AFS Position Statement on Human Use of Fishes". The Human Interactions Symposium Committee will be sponsoring a symposium entitled "Human Interactions with Aquatic Organisms: Philosophy, Values, and Social Change" for the AFS meeting in Monterey, California. The Iowa Chapter, as you requested, has sent a letter expressing our concerns on this issue. Please let me know if you would like either a copy of our letter or additional information about the California Workshop. All members need to make their views known.

So until later - get out there and enjoy your summer!

Tom

INSIDE

President's Corner	Page 1
All Roads Lead to LaCrosse	Page 2
Musky Symposium	Page 2
Rainbow Trout Survival Factors	Page 3
Winter Trout Season in Southeast Minn.	Page 3
Treasurers Report	Page 4
In Search of the Grey Esoc	Page 4
Iowa Chapter Ballot	Page 5-6
Brain Teasers	Page 7



All Roads Lead to LaCrosse

Genetics Workshop and Joint Technical Committee Meetings in July

The North Central Division of the American Fisheries Society is sponsoring a workshop on "Genetic Principles & Methods for Fisheries Managers" on Wednesday, July 30th 1997. The course will be taught by Drs. Anne Kapuscinski, Eric Hallerman, Loren Miller and Dave Philipp. The goal of the workshop is to provide fisheries managers with a general understanding of genetic principles and how to apply them to management situations. In conjunction with the workshop, the Walleye, Centrarchid and Salmonid Technical Committees will be holding their mid-year meetings on Tuesday, July 29th. The workshop is available for all AFS members to attend, but preference will be given to NCD members if space becomes limiting.

Where: LaCrosse, Wisconsin, Holiday Inn (608) 784-9500., \$52/night A block of rooms for Monday and Tuesday evenings have been reserved under the American Fisheries Society.

When: Tech Committee Meetings Tuesday, July 29, Genetics Workshop Wednesday, July 30.

Workshop Registration will cost approximately \$30. For more information contact: Doug Beard 608/267-9427 e-mail: beardt@dnr.state.wi.us

Newsletter of the Iowa Chapter of the American Fisheries Society Volume 13, Number 3

Committee Chairpersons

Audit	Joe Larscheid
Membership	Gary Siegwarth
Resolutions	Marion Conover
REAP	Dick McWilliams
Continuing Education	Joe Morris
Student Affairs	Hongsheng Liao
Nominations	Mark Flammang
Best Paper	Steve Waters
Education	Gary Siegwarth/Tom Boland
Catfish 2000	Tom Boland

Newsletter Editor:

Mark Cornish
3390 Highway 22
Muscatine, IA 52761
Phone: (319) 263-5062 Fax: (319) 262-9053
e-mail: fishiowa@muscanet.com



Musky Symposium

The Esocid Technical Committee (ETC) will be organizing a symposium at the 1997 Midwest Fish and Wildlife Conference tentatively titled, *Current Strategies in Muskellunge Management* in cooperation with Muskies, Inc.. The probable format will involve one half day of presentations involving stocking and culture of muskellunge and a second half day addressing recent advances in muskellunge ecology and management. The ETC is currently coordinating advertisement for the symposium with organizers of the Wisconsin meeting, and are investigating costs and schedules for publication of symposium proceedings. Drafts of presentations must be submitted by July 1, 1997, to facilitate timely publication of the proceedings of this symposium.



Factors Affecting the Survival of Two Strains of Anadromous Rainbow Trout During Egg and Fry Stages

Mary L. Negus, *Minnesota DNR*, Duluth

Two strains of rainbow trout are currently being stocked in Minnesota waters of Lake Superior to satisfy public demands for a recreational fishery. There is concern among biologists that the two strains may have the potential to hybridize, thus compromising the genetic integrity of the wild strain. The wild strain, referred to as steelhead, was first introduced over 100 years ago, and is considered to be naturalized because it spawns naturally. The Kamloops is a hatchery strain that was more recently introduced. Feral brood stock of both strains are captured annually in the French River to obtain eggs for stocking. Steelhead are stocked primarily as fry to minimize the hatchery influence, but some have recently been reared to yearling size. Kamloops are stocked as yearlings. There is no genetic evidence of natural reproduction by Kamloops at this time, and hybrids have not been identified. However, unusual climatic conditions or inadvertent human intervention may enable their hybridization, since their spawning runs overlap in time and place.

Preliminary results suggest that survival to hatch was greatest in pure steelhead eggs, poorest in pure Kamloops eggs, and intermediate in hybrid eggs. Experiments were undertaken to quantify behavioral differences between pure strain and hybrid fry, and these data are currently under analysis.

The apparent lack of successful natural reproduction by Kamloops at this time is critical, because it means the population can still be controlled by fisheries managers. Information of this type is timely for managers, who are attempting to develop and justify management strategies that promote healthy, sustainable, economical and ecologically sound fish populations. ➤

Winter Trout Season in Southeast Minnesota

Tim Schlagenhaft, *Minnesota DNR*, Lake City

An experimental catch and release only winter trout season (January 1-March 31) was implemented on portions of four streams in southeast Minnesota between 1988 and 1991. The objectives of the regulation were to increase angling opportunities without impacting fingerling abundance (by wading on redds) or adult biomass (hooking mortality). Regulations were implemented allowing artificial lures only, however, bait (barbless hooks only) was allowed as a result of legislative action in 1992. These regulations were evaluated from 1988-1995.

For each stream reach, there was no impact on fingerling abundance or adult biomass as a result of winter fishing. Fingerling abundance and adult biomass followed trends similar to those in control reaches and in other area streams without winter seasons. Public meetings were held during November 1995 with most anglers supporting the winter season and many recommending it be expanded to include other streams. DNR Fisheries is proposing to include one additional stream, and extend the length of reach open on three streams already with winter regulations.

The impact of wading on natural reproduction, and hooking mortality on adult biomass were initial concerns. The amount of wading that occurred or its impact on individual redds was not measured, however, fingerling abundance was not affected in reaches with winter fishing. Throughout the study anglers were informed of the potential for egg mortality and were encouraged to stay out of the streams as much as possible.

Hooking mortality was not measured since the legislative change occurred during the middle of the evaluation period, however, adult trout biomass was not affected by the winter season and hooking mortality was assumed to have no impact on the adult population. ➤



Treasurers Report

By Chris Larson

As of the middle of May, the Iowa Chapter had \$1618.90 in a NOW account at the State Bank in Spirit Lake. Expenditures for this past year have included:

\$100.00	1997 Student Travel Grant Hongsheng Liao
\$700.00	Iowans for Better Fisheries executive advisory board membership for 1997 and lobbying for the Trust Fund Amendment
\$150.00	Iowa REAP Alliance board membership for 1997
\$250.00	American Fisheries Society AFS 2000
\$1000.00.....	Catfish 2000 sponsorship contribution
\$100.00	Iowa Environmental Council 1997 sustainer membership

Our Chapter has received numerous letters of thanks from these organizations for our financial support. The Iowa Chapter appreciates the time and effort that Dick McWilliams, Tom Boland and Mart Konrad put into representing our Chapter with these organizations. 🐟

In Search of the Grey Esoc

The Esocid Technical Committee (ETC) is looking for grey literature (non-peer reviewed) for compilation of a library. Wayne Stancill (no address) and Jim Diana (School of Natural Resources, University of Michigan, Ann Arbor, MI 48109, 313/763-5834 e-mail jimd@umich.edu) have continued to work on compiling a library of esocid grey literature. Both Wayne and Jim have sent letters to agency fisheries research departments, universities, and other potential contributors to solicit literature. The Fish and Wildlife Reference Service has agreed to store and distribute the information the ETC is collecting -- storage will be in the form of a separate esocid database at the USFWS with a three-digit access code. Persons with relevant literature who have not already done so are encouraged to contribute. 🐟

1ST CALL FOR PAPERS

"Management of Anadromous Salmonids in the Great Lakes, Biological, Economic, and Social Implications"

This symposium will examine the changing role that anadromous salmonids have played in the Great Lakes fish community. It will address both native and non-native salmonids. Basin-wide, lake-wide, and individual stream studies are welcome. Papers that focus on the restoration of native anadromous salmonids or establishment of wild non-native anadromous salmonids are strongly encouraged.

If you are interested in making a presentation at this symposium or would like further information, please contact: Donald R. Schreiner, Minnesota Department of Natural Resources, Lake Superior Area Fisheries, 5351 North Shore Drive, Duluth, MN 55804; phone (218)723-4785, fax(218)725-7738. 🐟

Would you like to become an Iowa Chapter AFS Member?

To join, fill out the information below and send a \$5.00 check (payable to the Iowa Chapter AFS) to:

Chris Larson Sec/Treas.
Iowa DNR/Cold Springs Research
Lewis, IA 51544

Name: _____
Street: _____
City: _____ State: _____ Zip: _____
Phone: _____ Fax: _____

THE IOWA CHAPTER AFS ELECTION BALLOT



PRESIDENT-ELECT



Scott Gritters

I was born on a farm near Pella, Iowa and obtained a B.S. in Fisheries and Wildlife Biology from Iowa State in 1987. In my Iowa DNR career, I have worked at numerous locations including Lake View, Bellevue, Wapello and Decorah. I have also assisted fish management teams in Missouri and Utah. Presently, I am a fisheries biologist at the Mississippi monitoring station in charge of data analysis for long term ecological trends. My time is spent on projects such as the "Maquoketa River Alliance", fish, turtle, and invertebrate monitoring, and the fisheries web site on the internet. I have been an AFS member since 1987. In addition, I am a member of the walleye, salmonid, and the rivers and streams technical sub-committee's. Outside DNR life I belong to Pheasants Forever, Trout Unlimited, Iowans for Better Fisheries and the Iowa High School Athletic Association. Semi-pro baseball, softball, fishing and hunting are squeezed in whenever possible. 🐟



Dick McWilliams

Although born in northeast Iowa, I spent much of my early life around Ames and along the Mississippi River at Quincy, Illinois. After four years at Iowa State University, the next few years were spent with the Peace Corps working in warm water fish production and culture in West Bengal, India. I finished my formal education with an M.S. from ISU and joined the Iowa Conservation Commission in 1971. Between 1971 and 1990 I was a research biologist at Spirit Lake, and since 1990 have been a management biologist for the Boone Fish Management District. I am a member of the American Fisheries Society (Certified Fisheries Scientist), Iowa Chapter AFS (past Sec./Treas.), Iowa Academy of Science, the walleye technical sub-committee (past Chair and currently Sec.), Iowans for Better Fisheries, and currently the Iowa Chapter AFS representative to the REAP Alliance. 🐟



SECRETARY/TREASURER



Don Herrig

I was raised in Alton, Iowa. I graduated from Iowa State University in 1974 with a degree in Fisheries and Wildlife Biology. I was employed by Ichthyological Associates and then RMC-Ecological Division as a fisheries biologist from 1974 to 1979. At that time I returned to the great state of Iowa as a fisheries technician at the Rathbun Fish Hatchery from 1979 to 1981. In 1981 and through the present I have served as a fisheries technician in fish management at the Black Hawk District Office. I am a member of the Iowa Academy of Science, the parent society of the American Fisheries Society, and the Iowa Chapter of the American Fisheries Society. I reside in Lake View with my Gordon Setter, Bailey. 🐟



Mike Steuck

I was born and raised on the mighty Mississippi River in Dubuque, Iowa. I graduated from Iowa State University in 1987 with a degree in Fisheries and Wildlife Biology. I started with the Iowa DNR as a fisheries aid in 1986 at Bellevue working with the fish management team. I began full time employment at the Mississippi monitoring station in Bellevue as a fisheries technician in 1989. In 1996 I transferred into my present position working in fisheries research on the interior rivers and streams through out the state. I have been an Iowa Chapter AFS member since 1987 and a parent society AFS member since 1991. I have served as chair of the Iowa Chapter nominations committee and am a member of the walleye and rivers and streams sub-committees plus I've served as committee member in Pheasants Forever. When I am not working, I spend my time fishing, hunting or remodeling something. I reside in Dubuque with my wife and two Brittany Spaniels. 🐟

It's Election Time

The Iowa Chapter is holding its annual election of officers and we have a fine slate of candidates. Scott Gritters and Dick McWilliams are running for President Elect with Don Herrig and Mike Steuck running for Secretary/Treasurer.

On the reverse of this page you will find a ballot and a brief biography of each candidate. Please mark your selection, fold and tape the ballot, then drop it in the mail.

Hurry, the deadline is **July 3, 1997!**

Fold Here

Stamp

Mark Flammang
Rathbun Hatchery
RR 2, Box 400
Moravia, IA 52571

Fold Here



Perch Pontification

Match the Common Name to the Scientific Name

Common Name	Scientific Name
1 Yellow Perch	A. <i>Ethostoma exile</i>
2 Slenderhead Darter	B. <i>Etheostoma asprigene</i>
3 Sauger	C. <i>Stizostedion vitreum</i>
4 Iowa Darter	D. <i>Percina phoxocephala</i>
5 Walleye	E. <i>Percina caprodes</i>
6 Northern Logperch	F. <i>Stizostedion canadense</i>
7 Mud Darter	G. <i>Etheostoma nigrum</i>
8 Fantail Darter	H. <i>Perca flavescens</i>
9 Johnny Darter	I. <i>Etheostoma flabellare</i>
10 Rainbow Darter	J. <i>Etheostoma caeruleum</i>

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

1 correct: Worm Inflator; 2 - 3 Crawler Rig; 4 - 5 Bucktail Jig; 6 - 7 Erie Deary; 8 - 9 Lindy Rig; 10 Wally Diver



Brain Teasers

Two bad jokes about ice fishing

Bad Joke 1

This old hippie went ice fishing. He starts to drill a hole with his auger when a loud booming voice says, "THERE'S NO FISH DOWN THERE!" So he stops drilling and moves a little ways and starts to drill again. The same voice booms, "THERE'S NO FISH DOWN THERE!" So he moves a little further and is about to drill again, but the voice immediately comes again, "THERE'S NO FISH THERE EITHER!" The hippie looks around and says, "Who are you anyway? God?" "NO I'M THE ARENA MANAGER!"

You thought the last one stunk just read on....

Bad Joke 2

There were two old boys from Centerville who love to fish, and they wanted to do some ice fishing. They'd heard about it up in Spirit Lake, and they took off up there. The lake was frozen nicely. They stopped just before they got to the lake at a bait shop and got their tackle. One of them said, "We're going to need an ice pick." So they got that, and they took off. In about two hours, one of them was back at the shop and said, "We're going to need another dozen ice picks." Well, the fellow in the shop wanted to ask some questions, but he didn't. He sold him the picks, and the old boy left. In about an hour, he was back. Said, "We're going to need all the ice picks you've got." The bait dealer couldn't stand it any longer. "By the way," he asked, "how are you fellows doing?" "Not very well at all," he said. "We don't even have the boat in the water yet."

Maybe next time you'll believe me when I say they're bad!



Where am I?

Where do these organizations call home?

Organization	Location
1 Coffelt Manufacturing, Inc.	A. Yellow Springs, Ohio
2 In-Fisherman, Inc.	B. Watkinsville, Georgia
3 Custom Telemetry	C. Spirit Lake, Iowa
4 Berkley Tackle	D. Vancouver, Washington
5 Bass Pro Shops	E. Brainerd, Minnesota
6 YSI	F. Sidney, Nebraska
7 Smith-Root, Inc.	G. Bethesda, Maryland
8 American Fisheries Society	H. New York, New York
9 Cabelas	I. Springfield, Missouri
10 Field & Stream	J. Flagstaff, Arizona

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

1 - 3 correct Angler; 4 - 6 Technician; 7 - 9 Biologist; 10 Supervisor



Meetings of Interest



July 29 **NCD Walleye, Centrarchid and Salmonid Technical Committee Meetings.** Holiday Inn, LaCrosse, Wisconsin. Contact Doug Beard, Wisconsin DNR 608/ 267-9427; beardt@dnr.state.wi.us

July 30 **Genetic Principles & Methods for Fisheries Managers Workshop.** Holiday Inn, LaCrosse, Wisconsin. Contact Doug Beard, Wisconsin DNR 608/ 267-9427; beardt@dnr.state.wi.us

Aug 18-20 **Wild Trout VI, "Putting the Native Back in Wild Trout."** Montana State University, Bozeman, Montana. Contact Robert Gresswell, U.S. Forest Service, Pacific Northwest Research Station, 3200 SW Jefferson Way, Corvallis, OR 97456; 541/750-7410; gresswer@ccmail.orst.edu.

Aug 24-28 **The 127th Annual Meeting of the AFS.** Monterey Convention Center, Doubletree and Marriott Hotels, Monterey, California. Contact Paul Brouha; AFS; 5410 Grosvenor Lane, Suite 110; Bethesda, MD 20814-2199; 301/897-8616; FAX 301/897-8096; pbrouha@fisheries.org.

Aug 31-Sep 5 **Third International Conference on Reservoir Limnology and Water Quality.** Ceske Budejovice, Czech Republic. Contact Wayne Hubert, Wyoming Cooperative Fish and Wildlife Research Unit, University of Wyoming, Laramie, WY 82071; 307/766-5415; FAX 307/766-5400.

Jan 1998 **Iowa AFS- Wildlife Society Joint Meeting.** ISU Student Union, Ames. Contact Joe Morris, Department of Animal Ecology, 124 Science II, Iowa State University, Ames Iowa 50011-3221. 515/294-6148 FAX 515/294-7874

Jun 23-28, 1998 **First International Ictalurid Symposium: Catfish 2000.** Davenport, Iowa. Contact Steve Eder, Missouri Department of Conservation, P.O. Box 180, Jefferson City, MO 65109-0180; FAX 573/526-4047; eders@mail.conservaion.state.mo.us.

Jan 1999 **Iowa-Wisconsin Joint Annual AFS Chapter Meeting.** Dubuque area. The groundwork for this meeting is still being laid, stay posted for further details

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.



Mark A. Cornish, Newsletter Editor
Fairport Fish Hatchery
3390 Highway 22
Muscatine, IA 52761



Dick McWilliams, Fisheries
1436 255th Street
Boone, IA 50036

