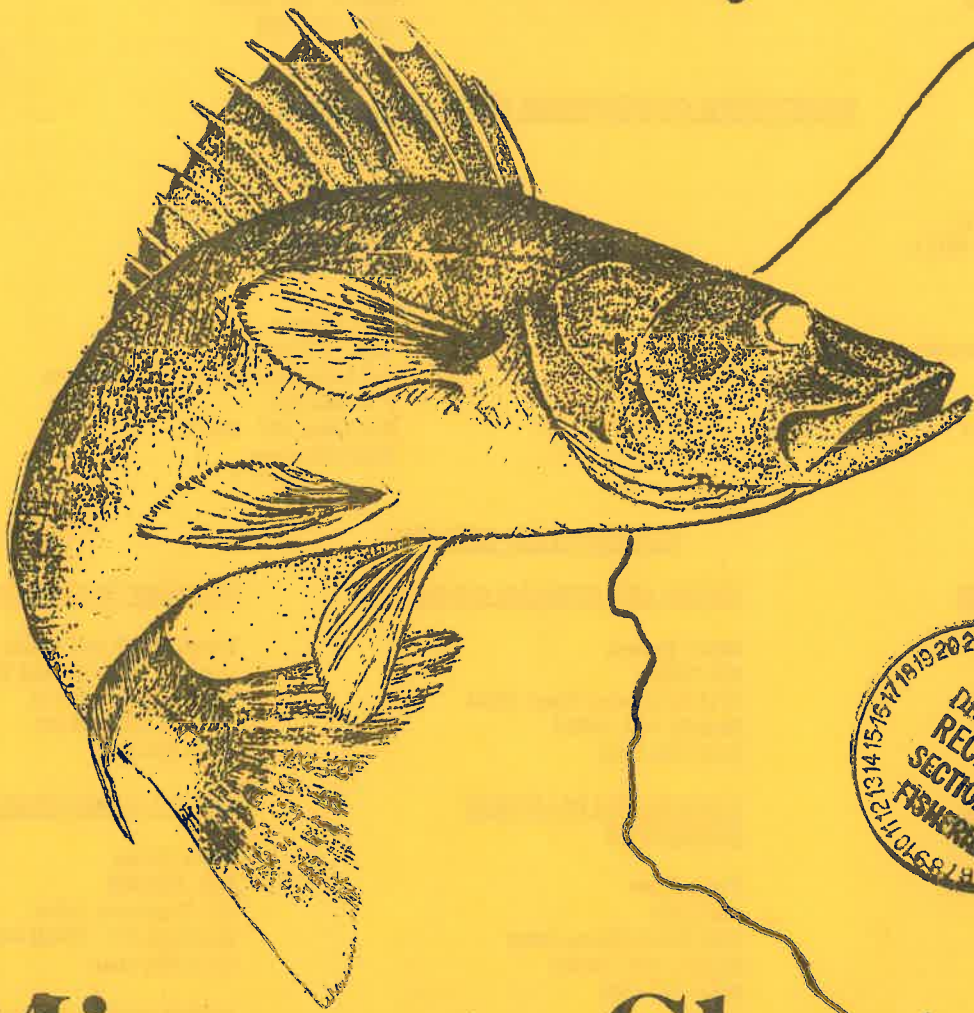


American Fisheries Society



Minnesota Chapter

DECEMBER 1991

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Minnesota Chapter American Fisheries Society

AF Promotes the Conservation, Development and Wise Utilization of the Fisheries / Organized 1870 • Incorporated 1911

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Unless otherwise stated, the opinions expressed within this newsletter are those of the author(s), not official policy of the Minnesota Chapter of the American Fisheries Society. Material submitted for inclusion in the newsletter is subject to editing at the discretion of the editor.

CALL FOR PAPERS

25th Annual Meeting Minnesota Chapter American Fisheries Society March 10-11, 1992

The 25th Annual Meeting of the Minnesota Chapter of the American Fisheries Society will be held at the Radisson Hotel in Duluth, Minnesota on March 10 and 11, 1992.

Contributed papers on general fisheries and aquatic resource subjects will constitute a large portion of the program. In honor of our 25th anniversary, papers presenting a historical perspective on fisheries issues within the state would be especially welcome.

Anyone who would like to present a paper (oral or poster) at the meeting should send a title and a short abstract to Ginny Snarski, Program Chair. Indicate your preference for an oral or a poster presentation and whether you are willing to switch presentation mode if necessary to accommodate program needs.

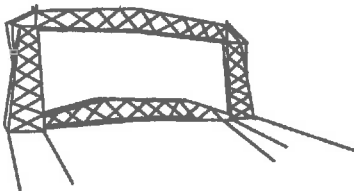
Each oral paper will be allotted twenty minutes including a question and answer period. Only 35 mm slides will be allowed for platform presentations - no overheads.

Posters will be displayed on boards provided by the Chapter and a special poster session held during which presenters will be asked to man their posters.

Special Note to Instructors/Professors: We encourage papers by undergraduate and graduate students. Please notify your students of this opportunity and encourage them to participate.

Abstract Deadline is January 15, 1992

Please send to:



Ginny Snarski
Environmental Research Lab-Duluth
6201 Congdon Boulevard
Duluth, MN 55804
(218)720-5515 work
(218)525-5037 home

ADDITIONAL MEETING INFORMATION

Lodging: Radisson Hotel - Duluth

(218) 727-8981

Rates: \$50 + 12% tax (1-4 persons)

Cutoff date for the room block is February 24, 1992.

Banquet: A banquet will be held on the evening of March 10. Dr. Tom Waters, Professor Emeritus U MN and founding member and Past President of MN AFS Chapter, will present an after-dinner talk entitled "Advances in Stream Ecology in the Past Twenty-five Years."

The Rivers and Streams Technical Committee will meet at March 10, 8:00 a.m. in the Missabe Room. Other chapter members are welcome to attend.

POSTER SESSION

25th Annual Meeting

We have made arrangements with the Duluth chapter of Sigma Xi to rent poster boards for the meeting. They will provide a display area of 4' by 8' for each poster.

When submitting your abstract, indicate your preference for a poster or oral presentation. Posters follow the same scientific style and are rated on similar criteria as platform presentations. For example, they should have, in order,; TITLE, AUTHORS, ABSTRACT, INTRODUCTION, METHODS, RESULTS, DISCUSSION, REFERENCES, ACKNOWLEDGEMENTS.

Other general guidelines are:

1) Use large type, preferably visible from 6 feet.

2) Use clear, concise captions on figures. A reader should be able to interpret graphs, tables, and photographs somewhat independently of the text.

3) "Bullets" are useful - avoid excessive verbiage.

Specific guidance and instructions will be mailed to those authors selecting poster format. Consider a poster this year as a way to increase interaction and add diversity to our meetings. Questions? Jeff Denny 218/720-5518 or George Howe 608/783-6451.

NEWS ITEMS

WATERS RETIRES

Thomas F. Waters retired from the University of Minnesota July 1 after 33 years. Waters joined the faculty in 1958 as an assistant professor for the Department of Entomology, Fisheries, and Wildlife. Waters has an international reputation for his pioneering research in stream ecology, particularly secondary production rates and the phenomenon of invertebrate drift. Today, many modern stream management techniques used to enhance fisheries are based on Waters' research. Waters also has an interest in educating the general public. He has written two popular books about Minnesota's waters, The Streams and Rivers of Minnesota and The Superior North Shore. He has also written several songs and some poetry. One of his colleagues, Professor Jim Kitts, described Waters as "one of the last scientist-philosophers left in the fisheries and wildlife area."

NCD ESOCID TECHNICAL COMMITTEE

A very successful session at the Midwest Fish and Wildlife Conference (featuring five papers by chapter members!) focusing on northern pike management and ecology served to launch the new NCD Esocid Technical Committee. Terry Margenau of the Wisconsin DNR and Jeff Reed

of the Minnesota DNR were appointed as committee co-chairs. The main focus of the committee will be to encourage communication between individuals involved with research and management of muskellunge, northern pike, muskellunge-northern pike hybrids and pickerel.

A mid-year meeting is currently being planned for 1992 in LaCrosse, Wisconsin. Tentative plans are to have presentations from agency representatives detailing Esocid research and management programs currently being implemented within the NCD.

Membership in the committee is open to anyone interested in Esocid biology and management. For further information regarding the committee please contact Jeff Reed, Minnesota D.N.R., 1110 North Lakeshore Drive, Glenwood, MN 56334, 612-634-4573.

HIRSCH NEW PROGRAM MANAGER

Steve Hirsch was promoted this summer from his DNR area fisheries supervisor slot at Grand Marais to Program Manager in St. Paul. The position opened when Ron Payer moved up to Operations Manager. Jack Wingate returned to Research Manager from his mobility assignment.

**TO ALL MN/AFS MEMBERS:
NOMINATIONS FOR 1992 MN/AFS CHAPTER OFFICERS**

Please complete the following form and return it to me by mail to nominate candidates for 1992 Chapter Officers. Nominations must be received by JANUARY 15, 1992. You may also contact me by telephone at (218)335-8600.

Chantel Cook, Nominating Committee Chair
Chippewa National Forest
Route 3, Box 244
Cass Lake, MN 56633

PRESIDENT-ELECT: This year preference will be given to candidates with a Minnesota DNR affiliation.

1. _____
Affiliation _____
Telephone _____

2. _____
Affiliation _____
Telephone _____

SECRETARY-TREASURER:

1. _____
Affiliation _____
Telephone _____

EXECUTIVE COMMITTEE MEMBERS-AT-LARGE: Nominate one or more candidates from each of the four affiliation groups: Academic, Federal, MN DNR, and Open.

1. _____
Affiliation _____
Telephone _____

2. _____
Affiliation _____
Telephone _____

3. _____
Affiliation _____
Telephone _____

4. _____
Affiliation _____
Telephone _____

5. _____
Affiliation _____
Telephone _____

6. _____
Affiliation _____
Telephone _____

7. _____
Affiliation _____
Telephone _____

8. _____
Affiliation _____
Telephone _____

Presidents Notes by Jeff Gunderson

I'd like to share some of my thoughts regarding a couple AFS activities that I participated in this month (December).

First, was the **North Central Division AFS EXCOM retreat and meeting** that was held in Des Moines, Iowa. I was struck by the similarity of many of the chapter initiatives in the NCD. Many chapters reported that they had developed position papers, long range and short term planning activities, procedure manuals, position papers and continuing education courses. A number of chapters also described measures they've taken to be more proactive regarding fishery issues. Nearly all chapters had written letters to legislators and other decision makers, and some chapters testified at hearings on legislative initiatives. While we did not win the NCD Most Active Chapter Award (that honor went to Michigan), our Chapter can be proud that we were involved, to some degree, in all of the above activities.

Three chapter activities that I thought were unique and interesting were: 1. the production of a video public service announcement by Wisconsin, 2. the development of a field pocket guide sold for fund raising purposes by Iowa, and 3. the addition of a summer chapter business meeting and picnic (Ohio). We may want to consider similar activities.

The second AFS activity that I attended was our Chapter's continuing education offering held at the Concordia Language Village near Bemidji. The workshop was sponsored with the Minnesota Sea Grant College Program. Mark Cook deserves special recognition for his efforts in putting the workshop together. In my judgement, it was a complete success.

George Spangler and Don Pereira also deserve the Chapter's recognition for their presentations and facilitation of the workshop. The focus of the hands-on workshop was Weisberg's Linear Growth Model. If you haven't heard of this method for analyzing fish growth before, I'm quite certain that you soon will. It offers a statistically valid way to separate growth effects due to age from growth effects due to environmental variables. Even though there were some glitches in the program that caused some frustrations, I think participants were enthused about the model's possibilities for practical research and management applications. Many of the suggestions from this workshop will be incorporated into the next version of the model. I was impressed by the dedication and long hours that were devoted by the participants. This offering was accredited and provided 1.8 continuing education credits. And the food was terrific.

One other Chapter activity that I would like to inform you of is the testimony on **genetically engineered organisms (GEOs)** provided by Don Pereira on behalf of the Chapter. Don is to be commended for his dedication and professionalism in providing this testimony. Don's testimony was reviewed by a majority of the EXCOM prior to its delivery to ensure that it represented the intent of the Chapter's position paper on GEOs. This kind of proactive involvement in fishery related issues by our Chapter is important and wholeheartedly endorsed by the Parent Society as reflected in a letter written to chapter presidents by Richard Gregory, AFS President (see elsewhere in this newsletter).



American Fisheries Society

RICHARD W. GREGORY
President 1991-1992

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PAUL BROUHA
Executive Director

Office of Information Transfer
1025 Pennock Place, Suite 212
Fort Collins, CO 80524
October 1, 1991

Jeffrey L. Gunderson
151 Wren Drive
Duluth, MN 55811

Dear Jeffrey:

Welcome to the 1991-92 Executive Committee of the American Fisheries Society. Although nonvoting, you are a full member of the committee and are cordially invited to attend both society EXCOM meetings this year, the mid-year and the annual. Your Chapter may be able to support your travel.

One of my goals this year is to promote Chapter activism and to convince you that subunits and especially Chapters, are the Society. We need your active participation and input. Chapters should be more than a social club to network, consume your favorite beverage, and kick dirt! Sportspersons in your state need to know who you are and what you do. I challenge you to take on at least one important fisheries resource issue in your state this year and let our client groups and us hear about it.

My other major emphasis this year is outreach to the women and minorities who will make up our work force by the year 2000. We cannot afford to wait for these future professionals and potential society members to come to us. I suggest that you make a concerted effort to conduct an environmental project this year, such as a stream or lake clean-up, and involve local high school and junior high students, especially those that have had no opportunity to get wet and muddy chasing fish. The goal is to teach them about our work, get them involved in saving fish, and encourage them to get the science education needed to enter this profession. Invite the promising students to shadow Chapter members for a day and become mentors for those who may become society members/leaders in the future. Invite high school career counselors to your Chapter meetings.

If I can be of any help, please contact me or your Division president. We want to hear from you and I hope you will run for my job one day!

Sincerely,

A handwritten signature in cursive script that reads 'Rich Gregory'.

Richard W. Gregory
President

cc: Division President

Southeast Minnesota Trout Management Controversy: A Loss of Proper Perspective.

by Rick Nelson

Some of you have heard about the recent "special fishing regulations" controversy in southeast Minnesota. Special or experimental regulations are those with goals to reduce fishing mortality and restructure fish populations, provide more trout and larger trout, increase angler catch rates, and provide additional fishing opportunities. Application of experimental regulations in southeast Minnesota is less than a decade old. While important, the role of these regulations have been experimental and restricted to limited numbers and miles of streams. Less than three percent of southeast trout water is currently under experimental regulations. Experimental regulations are a relatively small component of a multifaceted, evolving, and largely successful management program. Why then, has an emotionally charged debate over this issue developed involving angler groups, DNR Fisheries, and state legislators? How did this issue lose its proper perspective?

This conflict is not new to trout management in North America. Many states with coldwater fisheries have seen similar conflicts. Dr. Robert J. Behnke, Fisheries Biologist at Colorado State University, describes the general scenario:

"...When a state agency transforms a stream or a section of a stream from a catchable trout fishery to a wild trout fishery with special regulations, which prohibit bait, there is often a backlash of outrage from the main body of anglers who believes that wild trout management with special regulations is simply a ploy by elitist fly fishers denying them fish that are rightfully theirs - frequently they have the backing of politicians and local business people."^a

In 1983, the Minnesota Legislature authorized the designation of "experimental waters" to be managed with innovative and experimental management, or regulations. Since 1984, experimental regulations have been placed on a total of seven southeast trout stream reaches. Four currently remain in place (South Branch, Middle Branch, and Main Branch Whitewater Rivers, and Hay Creek) while three have been removed (Trout Run Creek, East Beaver

Creek, and South Branch Root River). In addition, special winter trout seasons are in place on four trout streams reaches, all in the Lake City Area. Regulations limit fishing gear to artificial lures only and prohibit harvest, except limited harvest is allowed on the South Branch and Main Branch Whitewater Rivers. Experimental regulations on the three streams south of Interstate 90 have been removed. On East Beaver and Trout Run during the regulation evaluations, fishing mortality was too low for regulations to be successful. On South Branch Root River, it appeared that regulations may have caused an increase in medium sized trout, but no increases were seen in trophy size trout.

All current regulations are being evaluated through 1995. Evaluation will include ongoing field studies and peer review by the recently formed Section of Fisheries coldwater regulation committee. If successful, these "experimental regulations" would become "special regulations" of a more permanent nature.

Opponents of special regulations have raised a number of concerns and expressed fears about the use of special regulations, largely unfounded but difficult to dispute. For example, 1) special regulations discriminate against bait anglers, children, elderly, and disabled anglers; 2) Special regulations are the result of government caving into special interest groups and elitist anglers, creating special fishing areas for these groups; 3) special regulations will grow to dominate fisheries management in the southeast, removing bait angling and fish harvest as legitimate angling activities; and 4) too much money is being spent on these regulations and on fisheries research.

Discussion of these issues has taken the form of heated public meetings, legislative hearings, numerous newspaper articles, and coffee shop and bar conversation. The emotionally charged atmosphere has led to a number of casualties. Among these are the Root River Chapter of Trout Unlimited (TU), who were decertified by the National Board of Directors of TU after lobbying independent of the TU State Council for legislation restricting special

regulations. This group has been resurrected as the Minnesota Trout Association (MTA), whose charter favors bait angling and opposes special regulations. Another casualty may be fisheries professionals and experimental management. A recent bill introduced in the State House would severely modify current experimental regulations and prohibit new experimental or special regulations in southeast Minnesota. By far the biggest losers could be the angling public and fishery resources. Passage of this bill could set a dangerous precedent in restricting management activities of the DNR Division of Fish and Wildlife. In addition, the debate has taken focus off critical issues including managing habitats and watersheds, managing for wild trout, providing diverse and quality fishing experiences in the face of increasing pressure, and protecting and enhancing fishery resources. Little has been said about positive

developments and achievements in Section of Fisheries programs including habitat development programs, easement and acquisition, and the recent focus on developing watershed management partnerships. Nothing has been said about the growing threat of coldwater spring development by aquaculture interests.

The loss of proper perspective seems to be a constant battle in our clientele relationships. Our challenge is to redirect the focus where it should be: on wise, science-based management to protect and enhance our valuable coldwater fisheries.

^a Behnke, Robert J. 1991. From hatcheries to habitat? Look again. *Trout Magazine*, Autumn 1991.

**ANNUAL CONTINUING EDUCATION WORKSHOP A SUCCESS.
GROWTH ASSESSMENT FOR FISHERIES RESEARCH AND MANAGEMENT:
THEORY AND APPLICATION**

by Mark Cook

The annual Minnesota Chapter continuing education workshop was held this year on 9-11 December at Concordia Language Villages in Bemidji. The instructors for the growth assessment workshop were Dr. George Spangler (Univ. of Minnesota) and Dr. Don Pereira (MN-DNR). There were 31 students in attendance and the following organizations were represented; the Leech Lake Indian Reservation, Minnesota DNR, University of Minnesota, Minnesota Sea Grant, and Northern States Power.

The instructors spent the first day lecturing on various growth models, growth theory, and introducing the Weisberg linear growth model. During an evening session, the model was installed on computers and data sets distributed to the various work stations. On

the second day, students were formed into working groups, and spent the day analyzing actual data sets with the Weisberg linear growth model. Data sets included largemouth growth information from Lake Minnetonka before and after Eurasian milfoil, smallmouth bass data from lakes with and without lake trout, and bluegill growth data separated by reproductive strategy, just to name a few. A group discussion was held on the last morning to present the findings of each working group to the whole class.

During the workshop, participants bunked in several cabins in the Norwegian Village of the language camp. Chefs at the Language Village also attempted to educate our palates, as they served meals typical of the following countries: Germany, France, Spain, and Norway.

FIELD REPORT: FEDERAL FISHERIES

by Dave Pederson, Federal EXCOM member

Federal Aid Support for Technical Workshops

Many Minnesota Chapter members attended the Midwest Fish and Wildlife Conference recently in Des Moines, IA. Some of you may also have attended the Creel Survey Workshop there, sponsored by the North Central Division (NCD) Continuing Education Committee. The Creel Workshop serves as an example of the type of technical workshops, training, and program development activities that Federal Aid is involved in with states in the Service's North Central Region. Other workshops/symposia approved for Federal Aid in 1992 include: *

Fish Health and Condition. January.
Sponsor: Iowa DNR

Minnesota/Michigan/Wisconsin/Tri-State Fisheries Research Meeting. February 18-19.
Sponsor: Michigan DNR.

Technical/Scientific Writing Workshop, Jud Monroe, Instructor. February 17-21.
Sponsor: Missouri DOC.

Fluvial Geomorphology, 3 workshops. Spring. Coordinator: Illinois State Water Survey. Host states: Illinois, Ohio, Wisconsin.

Uniform Fish Health Assessment (Great Lakes) Workshop. No Date. Sponsor: Illinois. Training for Facilitators (Organization of Wildlife Planners, presenters). Spring. Sponsor: Indiana DNR.

Conservation and Management of Freshwater Mussels. October 12-14. Sponsor: UMRCC through Wisconsin DNR.

The U.S. Fish and Wildlife Service Federal Aid Division is pleased to help sponsor these workshops. The objective of this effort is to use administrative funds to provide, in a structured way, additional support targeting state activities that might not otherwise be funded through Sport Fish and Wildlife Restoration (Federal Aid) projects. These projects must also serve as broad a need as possible relative to the combined interests of the eight states in this region.

Toward this objective, sponsoring agencies are also asked to reserve space for people from other states. State Fisheries Chiefs are contacted by workshop sponsors to determine interest and identify candidates.

Minnesota workshops are arranged through DNR Fisheries Central Office Staff and Dirk Peterson, Federal Aid Coordinator.

* This is a news item. Enrollment for these workshops is limited; inquiries with sponsors are not being solicited with this announcement.

FIELD REPORT: DNR FISHERIES MANAGEMENT

by Taylor "Seasick Crocodile" Polomis

Many of us were surprised by winter's sudden and spectacular arrival. Several stations, including mine, ended up having to remove frozen-in nets from lakes and ponds; not exactly my favorite way of being "chipper". Since it's mid-December, I'm used to the weather and can frequently recall my favorite nugget of "Yooper" folk wisdom, compliments of a family friend: "Dat nort' wind, she's really cold; especially when she blows from da sout'." Happy Holidays to all!

Welcome aboard newly hired Fisheries specialists: Kim Karnitz to the Park Rapids

office, and John Lott and Steve Kubeny to the Fergus Falls office. Congratulations are also in order for the new Spire Valley Coldwater Hatchery Supervisor, Gary Mattson. I also bid farewell (I hope temporarily) to a good friend as well as colleague. Bob Miltner, late of the Hutchinson station, is on a leave of absence to pursue his Master's at the University of North Carolina-Wilmington. At least he picked the right time to vacate this state.

Demented definitions...a Russian ship loading caviar for export: roe-ing its boat.

FIELD REPORT: DNR FISHERIES RESEARCH

THE NORTHCENTRAL ANGLER by Cindy Tomcko, DNR Grand Rapids

Fishing pressure, catch, and angler characteristics have been summarized from the seven northcentral lakes which are included in the research study on northern pike special regulations. Summer fishing pressure was higher than winter pressure on all lakes. Fishing pressures were within ranges previously reported for Minnesota lakes. Though sunfish were not sought, many anglers harvested sunfish.

Typical angler characteristics were not surprising and were similar to characteristics reported in the past. The typical northcentral Minnesota angler was most often a Minnesota resident, male, and under 45 years old. He either lived locally or had traveled more than 75 miles and most often fished in a party of two. In the summer, the typical angler most frequently still-fished from a boat less than 20' long, using minnows or bait plus a lure and fished for 3 hours. In the winter, the typical angler fished for 2 hours when spearing, 3 hours when angling and fished from an ice shelter rather than on the open ice.

Editor's note: When Cindy sent this for a news item, I thought it might be interesting to contrast the "northcentral" angler she describes with the "westcentral" angler. The research here in Glenwood on walleye fingerling stocking included six years of creel survey on three walleye lakes in Douglas County of westcentral Minnesota.

The typical westcentral Minnesota angler was also male, but in some years over 50% were 55 or older. He was also generally from the Twin Cities and stayed at a resort. Mr. Westcentral pursued walleye by trolling with some kind of live bait, and 80% used a depth finder. However, 10-22% still fished for sunfish.

WARMWATER RIVERS AND STREAMS, by Craig Milewski, DNR Lake City

Natural and unnatural processes on different spacial and temporal scales create or limit physical characteristics, water quality, and flow

regimes of rivers and streams and, thus, influence the fisheries. For example, streams within an ecoregion of similar land form, land use, soil types, and potential natural vegetation may share similar characteristics while streams among ecoregions may have differences. Furthermore, gradual changes in physical complexity, flow stability, and water quality occur on a continuum of small, high-gradient streams to large, low-gradient rivers. Persons intimately involved with stream management and research often have an intuitive feel and strong appreciation for these interactions. However, a statewide study of pooled survey data will allow stronger quantified use of survey data to assess both a stream's potential for fish habitat and relative level of degradation.

At present, data on physical characteristics for about 450 stations on 95 streams have been compiled from warmwater stream surveys. To refine an ecoregion approach to examining physical characteristics, streams were placed into one of nine categories ranging from small, high gradient streams to large, low gradient rivers. Preliminary results of a multivariate analysis of variance indicate differences in physical characteristics among ecoregions and stream gradient-size categories. Striking differences occur in substrate composition, percentage of riffle and run, and width:depth ratios. Means (least-squares) are currently being examined to discern differences. Of particular interest may be the amount of variation for streams within an ecoregion and gradient-size category. Some of this variation may be due to relatively high or low levels of degradation. If so, then a stream with low levels of degradation may serve as a model of fish habitat conditions that are attainable for streams with high levels of degradation.

Other analyses nearing completion are relationships of physical characteristics (including those presented above) with gamefish density and size structure. Upcoming work will examine existing water quality and discharge data. Fish community data from surveys and assessments will be analyzed to delineate possible fish species guilds and habitat relations useful in stream assessments.

FIELD REPORT: TRIBAL FISHERIES

by Dave Conner, EXCOM Member-at-large

The 5th annual Native American Fish and Wildlife Society's Great Lakes Regional Conference was hosted by the Grand Portage Band of Chippewa Indians in September. This conference brings together tribal natural resources personnel from throughout the Great Lakes region to hear presentations and discuss topics related to fish and wildlife. Tribal conservation officers hold their annual meeting in conjunction. The conference is hosted by a different tribe each year.

Presentations this year ranged from walleye rearing to moose biology, and presenters were from tribes, U.S. Fish and Wildlife Service, U.S. Environmental Protection Agency, MN DNR, Bureau of Indian Affairs, and the Native American Fish and Wildlife Society (NAFWS).

One topic discussed at the conference was the formation of a Midwest Tribal Aquaculture network. The purpose of the network will be to facilitate information exchange among the dozen or so tribal fish hatcheries operating in the

midwest, as well as other interested hatcheries and private operators. A quarterly newsletter will be produced, with the first issue slated for publication early next year.

Two awards are presented each year at this conference. The Patricia M. Zakovec Memorial Conservation Enforcement Officer of the Year award is presented in memory of Pat Zakovec, president of the NAFWS and a pioneer in Great Lakes tribal natural resources conservation efforts, who passed away this year. This year's award went to officer Leo Jordan of Cass Lake. The second award is the Dr. William H. Eger Memorial Tribal Biologist of the Year award, presented in memory of Bill Eger, former executive director of the Chippewa/Ottawa Treaty Fishery Management Authority, who passed away last year. This year's award went to Tom Busiahn, who recently left his position with the Great Lakes Indian Fish and Wildlife Commission to become project leader of the U.S. Fish and Wildlife Service Ashland Office of Fishery Assistance.

COMMITTEE REPORTS

MEMBERSHIP

Tim Goeman, Chair

The upcoming Annual Meeting of the MN Chapter offers a great opportunity for all members to become active in recruiting by inviting colleagues who are not members to the meeting in Duluth. The effectiveness of the dues check off on the parent society statement will soon be available for review. Membership information for any level of the AFS is available on request.

RIVERS AND STREAMS

Henry Drewes, Chair

The Rivers and Streams committee will be holding a brief meeting in conjunction with the Chapter Annual Meeting. The meeting will occur from 8-10 AM on 10 March while registration is going on. Two items for discussion will be: 1) a policy statement on clearing and snagging in rivers and 2) the final review of the committee mission statement.

AWARDS

Steve Colvin, Chair

If enough posters are presented at the Annual Meeting, the Chapter will be giving a Best Poster Award along with the annual Best Paper Award. Also, with the anniversary of the Chapter, we

will be awarding 25 Year pins beginning this year. We would appreciate hearing from members who were around for the inaugural meeting in 1967.

NOMINATING

Chantel Cook, Chair

The Nominations Committee would like to remind AFS members that nominations for 1992 Chapter Officers and EXCOM members are **DUE BY 15 JANUARY**. This deadline has been extended to accommodate members who forgot about nominations during the holiday season. The form is in this issue; please nominate your cohorts for office!

PUBLIC AWARENESS

Steve Quinn, Chair

The Public Awareness Committee has been recruiting members and getting ideas for potential projects. Mike Hoff of Wisconsin DNR and AFS Chapter sent copies of two short videos that In-Fisherman built for them, depicting aquatic resources and fisheries activities. Their Public Awareness Committee sent the 30-second pieces to TV stations to broadcast as Public Service Announcements (PSA's). The video should be available for viewing at the Annual Minnesota Meeting.

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FIRST CLASS

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