

**American Fisheries
Society**



Minnesota Chapter

JUNE 1991

**A
S F**

AMERICAN FISHERIES SOCIETY MINNESOTA CHAPTER OFFICERS 1991-92

PRESIDENT

Jeffrey Gunderson
MN Sea Grant Extension
208 Washburn Hall, UMD
Duluth, MN 55812
(218) 726-8106

IMMEDIATE PAST-PRESIDENT

ISSUES & RESOLUTIONS COMMITTEE CHAIR

Greg Busaker
124 Transportation Building
395 John Ireland Blvd.
St. Paul, MN 55155
(612) 296-1651

PRESIDENT-ELECT

Virginia Snarski
U.S. EPA
6201 Congdon Blvd.
Duluth, MN 55804
(218) 720-5515

SECRETARY-TREASURER

Don Schreiner
MN DNR
5351 North Shore Drive
Duluth, MN 55804
(218) 723-4785

EXECUTIVE COMMITTEE MEMBERS-AT-LARGE

Dave Pederson
U.S. FWS
660 Federal Building
Fort Snelling, MN 55111
(612) 725-3596

Peter Sorenson
Dept. Fisheries & Wildlife
200 Hodson Hall
1980 Foiwell Avenue
St. Paul, MN 55108
(612) 624-4997

Molly Negus
MN DNR
5351 North Shore Drive
Duluth, MN 55804
(218) 723-4785

Dave Conner
Dept. of Fisheries
Red Lake Band of Chippewa Indians
P.O. Box 550
Red Lake, MN 56671
(218) 679-~~8844~~
3959

COMMITTEE CHAIRS

MEMBERSHIP COMMITTEE

Tim Goeman
MN DNR
1601 Minnesota Drive
Brainerd, MN 56401
(218) 828-2246

NOMINATING COMMITTEE

Chantel Cook
Chippewa National Forest
RR 3, Box 244
Cass Lake, MN 56633
(218) 335-2226

AWARDS COMMITTEE

Steven Colvin
MN DNR, Ecol Services
500 Lafayette Road
St. Paul, MN 55155-3500
(612) 296-0786

CONTINUING EDUCATION COMMITTEE

Mark Cook
MN DNR
2114 Bemidji Avenue
Bemidji, MN 56601
(218) 755-3917

RIVERS AND STREAMS COMMITTEE

Henry Drewes
MN DNR
2115 Birchmont Beach Road
Bemidji, MN 56601
(218) 755-3959

LONG RANGE PLANNING COMMITTEE

Tracy Close
MN DNR
5351 North Shore Drive
Duluth, MN 55804
(218) 723-4680

PAST PRESIDENTS COMMITTEE

Dick Siefert
U.S. EPA
6201 Congdon BLVD.
Duluth, MN 55804
(218) 720-5552

PROCEDURES MANUAL COMMITTEE

Michael Vanderford
U.S. FWS
660 Federal Building
Fort Snelling, MN 55111
(612) 725-3596

STUDENT REPRESENTATIVES

Loren Miller and Derek Ogle
Dept. of Fisheries and Wildlife
1980 Foiwell Avenue
St. Paul, MN 55108
(612) 624-3600

PUBLIC AWARENESS COMMITTEE

Steve Quinn
P.O. Box 999
651 Edgewood Drive
Brainerd, MN 56401-0999
(218) 829-1648

NEWSLETTER PRODUCER/EDITOR

Brad Parsons
MN DNR
Route 3, Box 1
Glenwood, MN 56334
(612) 634-4573



Minnesota Chapter American Fisheries Society

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

CONTENT	PAGE
Editor's Corner.....	2
Public Affairs Committee.....	2
Field Reports	
Federal Fisheries.....	3
Trout Stream Improvement.....	4
DNR Coldwater Hatcheries.....	5
DNR Fisheries Research.....	5
DNR Fisheries Management.....	6
Rivers and Streams Committee.....	6
Student Representatives.....	7
News from Anywhere.....	8
Parent Society News Releases.....	9
Minutes of the Chapter EXCOM.....	10
Membership Committee.....	12

NEWSLETTER COVER

Diane Whiting
Route 2, Box 22503
Stacy, MN 55079

NEWSLETTER PRODUCTION EDITOR

Bradford G. Parsons
MN DNR
1110 N. Lakeshore Drive
Glenwood, MN 56334

NEWSLETTER DISTRIBUTION

Charlotte Dahl
MN DNR
500 Lafayette Rd.
St. Paul, MN 55155-4012

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.

EDITOR'S CORNER

First of all I would like to thank the Chapter for paying expenses to send me to San Antonio for the newsletter editors workshop. Michael Vanderford, who has a large role in setting it up, has asked me to help out by giving a short presentation for one of the modules. I am glad to do this, primarily because the more I do, the more I feel our Chapter will be getting for its money. While I do not feel guilty being sent (and brought back), I also realize that this is a large investment for the Chapter to make. Hopefully many good ideas will be exchanged, and this editor will return with a plan to further improve the newsletter.

While putting the current newsletter together, I have noticed a very heavy bias toward DNR fisheries items. This bothers me. The best reason I can think of for this is because I am a DNR employee, I am in contact with these people more often and I can continually drop hints that we really need interesting items for

the newsletter. Eventually, it sinks in and the contributions start to flow. Unfortunately, frequent contacts with people with other employers is more difficult.

One way we are trying to get around this is using EXCOM members as field reporters. An excellent example is Dave Connor and his tribal fisheries reports. In the last newsletter he gave a nice rundown on Red Lake. In future newsletters he will give reports on other tribal fisheries activities around the state.

If you think the newsletter information articles focus too heavily on the DNR, be part of the solution. Send a paragraph or two (or more) on what you are working on. Giving a paper at a meeting, got a publication coming out? Send the abstract to me so the chapter members can know what you are up to. Also, please think about a fisheries issue that would be good for our opinion page.

PUBLIC AFFAIRS COMMITTEE by Steve Quinn, Chairman

My favorite source of quotable quotes, Bob Jenkins, wrote in 1953, "Greater efforts must be made to present the available facts to the fishing public before harmony and widespread support can be expected to blossom into improved fisheries management."

Jenkins' commission has not reached full bloom in Minnesota or elsewhere. Some pessimistic workers have argued that a perpetual frost has nipped this impetus in the bud. I more optimistically feel that fishery managers, biologists teachers, and other workers in this field have made significant advances in the last few decades, the last one in particular. There's obviously plenty to do in this regard and I would expand on Jenkins commission to include all publics, fishing or otherwise, in our communication efforts.

This pursuit has been a personal mission of mine for a number of years and I therefore accepted President Jeff Gunderson's invitation to chair a

new committee on public affairs for the Minnesota Chapter of AFS. While public affairs must be an important concern of all chapter members, only a portion of those will want to actively participate.

I'm soliciting volunteers to participate in activities of this committee. Our long-range goals, to improve communications about the Minnesota Chapter of AFS and the role of individual members in it, is critical to the continued health of our chapter, the parent society, and to many of our professions. Shorter-range goals are open to suggestion from members, primarily those of the EXCOM or those who volunteer as committee members. Unlike some committees, rest assured you'll be called upon for help, advice, and input. We're just starting, so we're open to new ideas and directions. Contact at: In-Fisherman, Inc., P.O. Box 999, Brainerd, MN 56401, 218/829-1648

FIELD REPORT: FEDERAL FISHERIES

by Dave Pederson

Concerns about deteriorating fish and wildlife resources of the Great Lakes continue to increase. These concerns include contaminants, invasion by exotic species, habitat degradation and destruction, fishery resource harvest levels, and sea lamprey predation. The U.S. Fish and Wildlife Service is proposing to undertake an ambitious and comprehensive new program to address these problems. Called the Great Lakes Initiative, the broad based program is a coordinated effort by the North Central, Northeast, and Research Regions of the USFWS to increase its own efforts, and strengthen cooperation with Great Lakes States, Provinces, Tribes, and Canadian agencies in both the protection and the restoration of the fish and wildlife resources of the Great Lakes Basin.

States, provinces and Federal agencies have spent billions of dollars in the Basin for the protection, restoration and enhancement of the resources through curtailment of pollution and implementation of strong fishery programs. The Great Lakes Initiative protects these investments and builds on them.

The Initiative focuses on 5 goals:

- 1) To attain self-sustaining lake trout populations.
- 2) To enhance sea lamprey control.
- 3) To stop illegal activities impacting the resources.
- 4) To restore degraded and destroyed habitats.
- 5) To minimize impacts of point and non-point source pollution.

The Fish and Wildlife Service spends about \$25 million a year in Great Lakes activities. Additionally, over \$25 million are spent by the states through the Federal Aid in Sport Fish and Wildlife Programs. Implementing the Initiative will require focusing current Service efforts and identifying future Service needs.

According to USFWS Program Development specialist Joe Scott, some of the activities that would be increased are the following areas:

- o Work on damage assessments and Remedial Action Plans to compensate for damages or to restore damaged habitats and ensure

inclusion of fish and wildlife resources in the Plans.

- o North American Waterfowl Management Plan implementation to protect 407,000 acres of critical waterfowl habitat, enhance 135,000 acres of wetlands, and create 19,000 acres of wetlands.
- o Research on impacts and control of exotic species that displace or prey on native species and degrade or destroy habitat.
- o Focus law enforcement efforts on illegal commercial and sport fishing. It is estimated conservatively that illegal activity is removing fish valued in excess of 6 million dollars annually.
- o Increased hatchery production through construction, rehabilitation, and disease control.
- o Development of an adequate information data base for predictive models for population trend, and harvest allocations through increased and improved stock assessments.
- o Monitor and evaluate migratory bird breeding, migration, and wintering populations and habitats.
- o Complete the National Wetland Inventory mapping and digitize for Basin wetlands trend analysis (an estimated 80% of the wetlands in the Basin have been lost).
- o Nearly double the utilization of Service vessels for research and assessments throughout the lakes.
- o Increased surveillance and reporting of illegal dredge and fill activities such as occurs in harbor, marina, farming, transportation and residential developments.
- o Increase migratory bird populations through improved management capability and protection, enhancement, and restoration of waterfowl habitats on National Wildlife Refuges in the Basin.
- o Implement integrated sea lamprey management to include control techniques such as barriers and sterile male release and techniques for interconnecting waterways.

Legislation has been introduced recently which gives support and focus to needs identified in the Initiative. One example is the Great Lakes

Fish and Wildlife Restoration Act of 1990, introduced by Congressman Nowak of New York and Congressman Davis of Michigan. The Act would provide for a USFWS Fishery Assistance Office to increase stock assessments in the lower lakes, and a Great Lakes Coordination Office for inter-agency and intra-agency coordination, public outreach and information dissemination. The Act would also provide for a multi-agency inter-jurisdictional Great Lakes Fishery Resources Restoration Study.

Another example of recent Great Lakes legislation that ties in with the Initiative is the Nonindigenous Aquatic Nuisance Act of 1990, introduced by Senator John Glen of Ohio. This Act would provide for the Fish and Wildlife Service and the National Oceanic and

Atmospheric Administration (NOAA) to take action to coordinate national research, control, and educational efforts associated with the infestation of the zebra mussel and other aquatic nuisance species.

The Great Lakes fishery now generates an estimated \$4.4 billion in economic activity across the Region. The Great Lakes Initiative offers a unique and timely opportunity to compliment ongoing programs through a commitment commensurate with the need.

Program Contact: Joe Scott, Program Development, Fish and Wildlife Enhancement, U.S. Fish and Wildlife Service, Twin Cities, Minnesota 55111 Tel. (612) 725-3536

TROUT STREAM IMPROVEMENT *by Bill Thorn*

Habitat for trout in streams of southeast Minnesota has been improved for trout since the 1940's. Objectives have been general, design and construction has been extensive, and evaluations are few. A project is underway which will intensively design, construct, and evaluate improvements to produce maximum biomass of brown trout in Hay Creek. Design will emphasize more intensive use of trout cover than on any previous improvement project, and experimental methods when appropriate. The idea for this project came from the 1988 National Habitat Improvement Workshop (at Winona) when out-of-state trout experts commented that our improvements were good (extensive) but because of inherent productivity, could be better (intensive).

This project is a joint endeavor of DNR Fisheries Management, Research, and Administration. Design of the project by all involved will be emphasized. Both Region V Management Areas will help with construction. Research will evaluate the project. Administration will provide logistic support (money) and help with field work. Another goal is to provide a learning experience for all directly involved, and for other interested Management

Areas and for appropriate private groups. This project is a professional challenge for all involved.

Two miles of Hay Creek, Goodhue County, will be improved. This stream is important to the trout program because it is long (10 miles with trout), is close to the Twin Cities (many trout anglers now go to Wisconsin), is extremely degraded and has great potential for increasing trout abundance, and we have obtained easements.

To date, the stream has been mapped and electrofished. Pertinent physical stream characteristics and trout abundance and biomass have been measured in three study reaches. Abundance is <50 brown trout/mile and biomass is 10-15 lbs/acre. DNR personnel have reviewed the stream to develop a consensus design which will be reviewed by out-of-state experts in June. Construction should begin in late July.

For general information contact Bill Thorn at Lake City. If anyone wants to assist for experience contact Mark Ebbers in St. Paul. Assistance for electrofishing would be appreciated.

FIELD REPORT: DNR COLDWATER HATCHERIES
by Darryl Bathel

Spring trout and salmon stocking has proceeded on target thanks to the fish transport trailer stationed out of Lanesboro Hatchery. This flatbed trailer has been outfitted with large tanks, a bottled oxygen system, and generators to power aeration equipment. It can safely transport up to 5,000 pounds of fish at a time. Its primary purpose is to haul large loads of fish from the Lanesboro and Crystal Springs hatcheries in southern Minnesota to distribution points in the northern parts of the state.

A major renovation effort to develop the Peterson Hatchery into a much needed

broodstock station has begun. A modular plan will allow phased development at the hatchery as funding permits. When complete the hatchery will hold rainbow trout, brown trout, Atlantic salmon, Gillis strain lake trout, and Isle Royal strain lake trout broodstocks as well as the juvenile future brood lots.

Promotions and new personnel:

Mark Gottwald is the new assistant supervisor at French River. Vern Imgrund has been promoted to assistant supervisor at Spire Valley. Scott Cordahl is a new technician at Peterson.

FIELD REPORT: DNR FISHERIES RESEARCH
by Paul Eiler

Sex ratios of yoy walleye:

Males were slightly more abundant than females in a survey of young-of-the-year walleye collected from rearing ponds in Minnesota during fall, 1983-1989. Sixty-nine collections from 40 different ponds provided a total of 9966 fish whose sex was identified. The proportion of males ranged from 29% to 89%, and was 53% overall. Males predominated in 13 collections, whereas females predominated in only three, and the numbers were about equal in the rest. The sex ratios in any one pond were often significantly different in different years.

Collections from five large lakes that maintain walleye populations by natural reproduction had the same overall percentage of males, suggesting that the overall stocking program does not alter sex ratios in lakes from what is normal.

The percentage of males in the ponds tended to increase from north to south in the state, however, implying that southern lakes may

regularly be receiving more males than females, but not enough data were available to prove this. Pond temperatures tend to increase from north to south also, suggesting that a correlation exists with sex ratio.

When pond temperatures were monitored and compared to the percentage of males, there was no correlation in 1987 (six ponds), but there was a clear correlation (three ponds) in 1988, so it is still unclear whether rearing temperatures can control the sex of walleye. Attempts to control walleye sex by immersing fry in solutions of male or female sex steroids were unsuccessful.

The sexes sometimes differed in size, and in nearly all collections where this occurred, females were larger. If this affords a survival advantage to females, it would help to compensate for stocking a lake with an excess of males. Stocking a lake with young-of-the-year walleye from several ponds may help to offset an extreme sex ratio from any one pond.

MN DNR FISHERIES MANAGEMENT UPDATE
by T J "Wścieckły Krawiec*" Polomis

Ah, spring/early summer, when this young man's fancy turns to thoughts of...trout fishing. From my experience, stalking stream salmonids has been more sublime, pleasurable and fraught with less heartbreak than finding a soul mate.

Speaking of trout fishing, our newest (since November 1990) Area Fisheries Manager, **Rick Nelson** from the Lanesboro office, informed me of the Hay Creek Intensive Habitat Improvement Project. According to him and **Bill Thorn**, Acting Area Manager at Lake City, this venture is using the expertise of state-wide trout experts in both management and research. Stream habitat specialists **Bob Hunt** (Wisconsin DNR) and **Monte Seehorn** (US Forest Service, Atlanta) were also imported for this venture.

The group is working to identify and alleviate the factors limiting effectiveness of current habitat enhancement techniques in southeastern Minnesota streams. Improvements are being designed for a stretch of Hay Creek that maximize the amount of overhead cover and deep pools, necessary for large brown trout. Thorn says the project will showcase the state of the art in trout habitat knowledge and improvement methods.

We welcome to the Section to several new faces, all Fisheries Management Specialists, and congratulations on your move up or in. Among the chosen joining DNR Fisheries Management

since March 1 include: **Jed Anderson** and **Jerry Wendlandt**-- Glenwood, **Ann Kuitunen**-- Fergus Falls, **Dale Lockwood**-- Brainerd, **Kevin Stauffer**-- Hutchinson, and **Rick Walsh**-- Metro East. Greetings also to all new creel clerks and apologies to anyone I excluded.

"The Krakow Connection" An interesting piece of mail was recently routed my way. It was a request from a boy in **Kęty** (**KEN-tee**), Poland for "a lot of fishing-rod, spinning-wheel, fishing-line, stripe." With the help of our MinnAqua Program coordinator **Linda Erickson-Eastwood** (who told me she received several similar requests), I sent him some info and some hooks, line, and sinkers. I also forwarded the lad's letter to the Future Fishing Foundation.

Because of my interest in the ancestral tongue, I'm going to write back a personal letter and maybe eventually send him something else. It'd be a good chance to work on my pidgin Polish, now not much beyond foods and crude expressions. I'm wondering if my superiors might consider giving me a mobility assignment there to begin a program similar to MinnAqua; we could call it FishingPoles....

* "W'sheekwy krahv'yets"-- Polish for "crazy tailor", used as expression of exasperation, somewhat similar to our saying, "You're driving me crazy!"

RIVERS AND STREAMS COMMITTEE

Craig Milewski reports that a DNR fisheries research project is underway to identify factors limiting gamefish in warmwater streams of southern Minnesota. For purposes of this project, limiting factors have been categorized as related to habitat, flow regime, water quality, and angling. Selected gamefish include smallmouth bass, channel catfish, walleye, and northern pike. As a first-cut the project is broad-based in nature, and a community-oriented approach is being pursued to take advantage of the fish diversity in warmwater streams.

Another item: Several projects on major rivers have heightened awareness of problems associated with snagging and clearing. The importance of these habitats to fish and wildlife has been ignored by project sponsors. MN DNR does not have a policy to deal with such projects. Chris Kavanaugh will investigate the possibility of a joint resolution with the Wildlife Society to encourage the development of a policy.

REPORT OF THE EXCOM STUDENT REPRESENTATIVES
by Derek Ogle

Early in 1990, immediate past-president Greg Busacker asked Loren Miller and myself, graduate students in the Department of Fisheries and Wildlife at the University of Minnesota, to serve as student representatives to the chapter EXCOM. Our charge was threefold: represent the views and values of member students, increase student membership in the parent society and the chapter, and increase participation of students in the Society.

After a short initiation to the procedures of the EXCOM we feel we can now competently express our personal views and values as student members of the Society. However, we have had a difficult time determining if our concerns are also the concerns of other student members. In addition, we feel that we may be unaware of other issues important to students in Minnesota. If it is not yet obvious, this is a plea for students from around the state, their advisors, and other interested individuals to contact us with their questions, concerns, and ideas. Our address is inside the newsletter cover.

As a first step in initiating dialogue with other students and to increase student membership and participation we have proposed an information dissemination network consisting of students and their advisors at each university or college in the state with an interest in fisheries or general biology. To initiate this process we contacted faculty representatives at the following institutions to determine the number of potentially interested students and if there was an individual we could recruit as part of our information dissemination network. The following table displays the results of this informal survey.

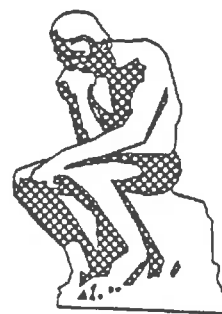
<u>Institution</u>	<u>Grad Stud.</u>	<u>Undergrads</u>
Univ. Minnesota	15-18	20-30
U. MN - Duluth	4-5	20-25
U. MN - Waseca	0	-
U. MN - Morris	0	1-2
St. Cloud St. U	1	2-4
Northwestern C	0	1-5
Gustavus Adolphus	0	2-3
Winona St. U	0	1-2
St. Johns U.	0	10
Alexandria Vo-Tech	0	25-35

Haven't Made Contact Yet:

Hamline U.	St. Thomas	Macalaster C.
Augsburg C	St. Mary's U.	Mankato St.
Bemidji St. U	Staples Tech Inst	
???????	???????	???????

Reaction to our proposal was generally enthusiastic. We will pursue this further by contacting those institutions we failed to contact and by beginning to look for students to serve as campus representatives for the dissemination network.

Finally, if anybody would like to assist us in completing the table above, please contact us at the number provided inside the newsletter cover.



NEWS FROM ANYWHERE

More F.I.S.H. Involvement Needed

Fishermen Involved with Saving Habitat (FISH), formed two years ago with the sole mission of conserving aquatic habitat, is a national coalition of groups whose members depend on, enjoy, study, and manage aquatic resources. Although the coalition has been effective in dealing with national issues, most habitat loss takes place at the local and regional levels and can be addressed most effectively by local action groups. A call is being issued to state AFS chapters and all other groups concerned with aquatic resources to form local FISH chapters. With the involvement of groups and individuals ranging from commercial and recreational fisherman to fisheries biologists, and armed with credible, factual information by fisheries professionals, FISH chapters would respond rapidly to local and regional threats to aquatic resources. FISH chapters are active in Ontario and Missouri, and are being formed in Texas, New Jersey, Virginia and Maryland. An article in the March-April issue of Fisheries offers good ideas for forming chapters. For more information on forming a FISH chapter in your area, call Les Stanfield in Southern Ontario at (705) 645-8747 or Lee Redmond in Missouri at (314) 751-4115. (From Fisheries News).

Zander Update

The status of the zander introduction program in North Dakota was the subject of a letter Terry Steinward, Chief of Fisheries recently wrote to Paul Brouha. In summary, North Dakota Game and Fish Department is still evaluating the zander and plans to continue the introduction process. Severe drought interrupted plans to import and stock zander into Spiritwood Lake (a closed basin) in 1990 and will again in 1991 because water levels continue to recede at an alarming rate. The resulting increase in predator density and reduced submergent vegetation, reduced survival of stocked zander fry. Stocking in the future will depend on restoration of natural conditions. There are no plans to stock zander into other waters until North Dakota is assured there will be no detrimental impacts and only then will it proceed with extreme caution. Extensive fishery and creel surveys in 1990 to assess the success of the 1989 stocking of zander

yielded information that no zander were caught by anglers and only one zander was found during the netting effort (it was dead). The creel survey will continue in 1991. Terry indicated he would keep us informed of new developments and asked that he be contacted if there were any questions or if clarifications were needed. Call Terry at (710) 221-6300 or write him at North Dakota Game and Fish Department, 100 North Bismarck Expressway, Bismarck, ND 58501-55095. (From the AFS Diary)

Triploid Technique for Bluegills

Researchers at Michigan State University have developed a technique for producing sterile bluegill through inducement of triploidy, with implications for both aquaculture and recreational fishing. Developed by Dr. Don Garling and M.S. student Andy Westmas, the technique involves subjecting newly fertilized eggs to a cold shock of 5 degrees Celsius shortly after fertilization. The researchers assert that the use of sterile bluegills in ponds and reservoirs would eliminate the problem of stunting due to population growth. According to Dr. Garling, the use of green sunfish-bluegill hybrids now employed to avoid stunting does not preclude the problem, but only delays population growth. In addition, the sterile fish grow faster than normal bluegill, allowing three pound fish to be produced in three to four years. The coldshock technique is not without drawbacks, heavy mortality occurs among eggs subjected to the treatment.

The researchers also hope to develop a way to induce tetraploidy (four sets of chromosomes) in bluegills. Unlike triploid bluegills, which have three sets of chromosomes rather than the normal two, tetraploids can reproduce. Rainbow trout experiments have indicated that triploid young produced from crossing diploid and tetraploid parents are superior to those in which triploidy was induced. For more information contact Dr. Don Garling, Department of Fisheries and Wildlife, Michigan State University, East Lansing, MI 48824, (517) 355-7493. (From Fisheries News).

PARENT SOCIETY NEWS RELEASES

BROUHA NAMED AFS EXECUTIVE DIRECTOR

Paul Brouha, deputy director of the American Fisheries Society since 1986, has succeeded the late Carl Sullivan, who had served as the Society's executive director since 1975. AFS President Dr. Larry Nielson made the announcement to the Society's 8,700 fisheries science members, to the interested public, and to the conservation community.

Brouha, a New England native, received a bachelor's degree from Penn State and, after a stint as a pilot with the U.S. Air Force, earned a master's degree in fisheries science from Virginia Tech. He then began a fisheries science career with the Wisconsin Department of Natural Resources. In 1977 he joined the U.S. Forest Service as a fisheries scientist stationed in Redding, California. In the next ten years he was given progressively more responsible assignments with the Forest Service, culminating in his appointment as national fisheries program manager for the entire Service.

As AFS executive director, Brouha's responsibilities will include habitat protection, support for the Society's subunits, legislative liaison, and related activities in pursuit of the Society's goals and objectives. In filling this important position, President Nielson said, "We're very fortunate to attract a man with Brouha's credentials. He has a solid fisheries background and is devoted to promoting fisheries as a science, a sport, and as a profession. AFS Executive Director Brouha is a certified fisheries scientist and a 17-year member of the American Fisheries Society. He is an active fisherman, an enthusiastic bow hunter, and a strong advocate of outdoor recreational opportunities. Paul, his wife Carol, and college-age children Brook and Anne reside in Falls Church, Virginia.

STATES COOPERATE ON A MISSISSIPPI RIVER BASIN MANAGEMENT PLAN

Twenty-six of the 29 states that form the Mississippi River Drainage System have decided that they must cooperate to save one of the largest and most valuable ecosystems in the world.

At an April meeting on Missouri's Table Rock Lake, representatives developed a comprehensive management plan as part of their "Mississippi Interstate Cooperative Resource Agreement."

"We've initiated a process under which states can work together to solve large-river restoration and fisheries concerns," said Paul Brouha, executive director of the American Fisheries Society. "There are problems the states can't solve by themselves because they transcend boundaries."

Both AFS and the U.S. Fish and Wildlife Service are assisting with the ambitious project that addresses fisheries concerns for the Mississippi, Missouri, Ohio, Tennessee, Arkansas, and Red Rivers, as well as their tributaries.

The comprehensive plan includes 10 goals with deadlines ranging from 1991 to 1995. The goals focus on improving public education about the Mississippi River Basin, determining the socioeconomic impact of the fishery resources, preserving and restoring fish populations and their habitats, and developing and coordinating management programs among federal, regional, state, and tribal agencies.

"If we throw up our hands here (April meeting), the fishery has no chance," said Stan Moberly, chairman of the AFS External Affairs Committee. "The future of the river lies with what evolves out of this process."

For more information about the comprehensive plan, write to Jerry Rasmussen, MICRA Coordinator, U.S. Fish and Wildlife Service, 608 E. Cherry Street, Columbia, MO 65201.

MINUTES OF MINNESOTA CHAPTER EXCOM
May 16, 1991

Members in attendance: Dave Conner, Dave Pederson, Don Schreiner, Derek Ogle, Steve Quinn, Ginny Snarski, Tim Goeman, Chantel Cook, Molly Negus, Mark Cook, Don Pereira, Jeff Gunderson, Tracy Close, Brad Parsons

Minutes from the January 22, 1991 EXCOM and January 23, 1991 business meeting were reviewed and approved. Income and expenditures since January 23, 1991 were reviewed. President Gunderson instructed the treasurer to send the approved \$200.00 endowment to the parent society. D. Schreiner reported that he had received a membership rebate from the parent society of \$237.00 and the current treasury balance was \$4,991.74.

Annual Chapter Meeting Update

G. Snarski presented tentative plans for the 1992 Annual Chapter meeting. It is presently scheduled for Duluth on March 10th and 11th. The Radisson appears to be the best value at this time. Options for a banquet speaker were discussed, it was hoped that someone with a historical perspective on MN fisheries could be found to highlight the 25th anniversary of the chapter. An effort will be made to increase student attendance and include a formal poster session into this year's meeting. A motion was made and passed for the past presidents committee to explore the chapters history. D. Pederson volunteered to assist them.

President's Update

President Gunderson updated the EXCOM on a variety of issues from the parent society. He mentioned that the parent society voted for a name change and the front runner is presently "Fisheries Society of the Americas"; new parent society members will get a free 1 year membership to the section of their choice; and fund raising for the building expansion was a success. The North Central Division (NCD) will hold a half day retreat before the mid-west on Chapter-Division relationships.

Committee Reports

Membership - T. Goeman

The chapter dues check off will be on the next membership billing from the parent society. All members are encouraged to use this method, although dues can still be paid at the annual meeting. There are presently 319 people on the mailing list, 158 members attended the annual meeting in 1991. Approximately 30% of the chapter membership does not belong to the parent society. Lifetime memberships at the chapter level are being explored.

Nominating - C. Cook

Request for nominations will go out in the October newsletter and ballots will be distributed one month before the annual meeting. Ballots will only be sent to chapter members that are also parent society members.

Awards - S. Colvin

Presently have one nomination for chapter award of excellence, would like to see more. Will present awards at banquet. Members are encouraged to nominate chapter members for NCD awards.

Continuing Education - M. Cook

Steve Boe has resigned as co-chair, Mark Cook has assumed chairmanship and would appreciate help from members who have an interest. A larval fish workshop is being explored, tentative time for workshop would be fall of 1991. Two other areas of interest noted from survey results were fish population dynamics and multivariate statistics.

Rivers and Streams - H. Drewes

MNAFS Rivers and Streams Committee met April 1, 1991 and the NCD Rivers and Streams Committee met on April 2-3, 1991. The Large River Fisheries and Restoration Act was discussed, not all states are supportive and question funding, lines of authority, wording and program structure. Next meeting of the

R&S Committee will be in conjunction with the 1992 Chapter meeting.

Long Range Plan - T. Close

Plan was published in the newsletter and few responses were received. EXCOM will review plan and vote for approval through mail ballots.

Procedures Manual - G. Busaker

Manual will be published in newsletter for membership review. EXCOM will vote for acceptance.

Students - D. Ogle

Surveyed which educational institutions had fisheries or aquatic oriented programs and how many students might be interested in AFS activities. Will be examining other chapters that have student chapters. Will pursue establishing a representative for AFS at each of the educational institutions.

Public Awareness - S. Quinn

Would like to recruit 10-15 members that would work closely with public and help organize a symposium for legislators, outdoor writers, etc. Proposal to invite media, legislators, writers, to our chapter meetings. Soliciting other ideas on what to pursue.

Newsletter - B. Parsons

Thanked everyone for contributions. Encouraged members to keep up the good work. Next issue of newsletter scheduled for the end of June. Will be attending newsletter workshop at AFS national meeting in September.

OLD BUSINESS

Transgenic Fish - Position statement on transgenic fish authored by Don Periera was passed in principal by membership at business meeting and published in the newsletter. A motion was made, and passed by the EXCOM, to adopt the present version of the position statement and distribute it to the appropriate legislators. Executive summary was to be shortened as necessary.

Chippewa National Forest Plan - President Gunderson was asked to review the CNF Plan. He responded with a letter to the Forest Service that was distributed to all EXCOM members.

Exotic Species Legislation - Comment was solicited from the EXCOM on the Exotic Species Bill and G. Busaker wrote a letter of support to key legislators which summarized the position of the MNAFS. The letter was distributed to EXCOM members.

Large River Fisheries and Restoration Act - Paul Brouha, Executive Director of the parent society requested that MNAFS write a letter of support to our state representatives. President Gunderson responded to his request and distributed his letter and the responses he received to the EXCOM.

Dakota Chapter Resolutions - President Gunderson distributed resolutions that were sent to him from the Dakota Chapter dealing with water level management plans to benefit fisheries on the Missouri River and the management of Missouri River flows for endemic species. The resolutions were sent to MNAFS only for communication purposes and no action was taken.

Lamprey Control (GLFC) - President Gunderson wrote and distributed a letter of support from MNAFS to congressmen for a proposed increase in funding of the Great Lakes Fishery Commission. This funding will be used to increase the control of sea lamprey and conduct research on fishes in the Great Lakes. EXCOM members were also encouraged to write in support of this proposal.

MNAFS Logo - A formal request was made by MNAFS, and permission was given by Diane Whitting (Logo creator) to officially use the MNAFS logo. A motion was made and passed to give Diane a T-shirt and cap with the logo printed on them. The EXCOM felt that a written statement giving the chapter exclusive use of the logo should be obtained and is now being pursued by T. Close.

NEW BUSINESS

Lake Superior Steelhead Plan - EXCOM members were asked to comment in writing on the steelhead plan by President Gunderson. The few comments that were received were positive. D. Schreiner gave a brief outline of the plan and updated the progress to date. EXCOM members will review the final draft when it becomes available and comments will be forwarded to the MN-DNR.

Raffle - The parent society is holding a raffle in conjunction with the annual meeting in San Antonio. EXCOM members and others were given tickets to sell. All sales receipts should be sent to President Gunderson by August 1, 1991.

Fund Raising - How to improve the chapters financial situation was discussed. Suggestions included: Compiling and selling booklets that discussed the various fish communities in lakes and streams around major tourist areas of MN; increasing cost of registration at the annual meeting, and soliciting cooperate sponsors on an annual basis. A motion was made and passed to explore the cooperate sponsor proposal.

Youth Aquatic Education - President Gunderson expressed his desire to increase the role of MNAFS in aquatic education. He stressed getting involved in National Fishing Week. There were proposals made to send letters of support to both the MN-DNR Commissioner and the Director of Extension supporting Minnaqua and 4-H fishing programs. D. Pederson and President Gunderson volunteered to write the letters. There was a suggestion that MNAFS members could lend their expertise in review of materials used in aquatic education programs.

Before adjournment President Gunderson urged the EXCOM to think about additional topics for position papers and reminded everyone to support RIM funding and the Wetlands Bill while the legislature was still in session.

The next EXCOM meeting will be held in Brainerd on September 26, 1991.

Respectfully submitted,
Donald R. Schreiner
Secretary/Treasurer

MEMBERSHIP REPORT by Tim Goeman

The Minnesota Chapter currently has 159 paid members for 1991. This is a 28% increase over the 1990 membership. A one-year complimentary membership is available to anyone who needs a little incentive or persuasion to join the state chapter. Contact the membership chairman if you know a colleague who might be interested in this offer.

Remember that chapter dues can be paid with parent society dues starting with the next statement from the parent society. Watch for this check-off. Anyone can still pay chapter dues at the annual meeting or directly to the membership chairman. Chapter members who do not belong to the parent society can vote at chapter meetings and participate on committees, but can not hold chapter offices or act as committee chairs due to the necessary interactions with the parent society.

Missing in action- Anyone knowing the whereabouts of Karl S. Koller please contact the membership chairman with the appropriate information. Karl is a paid 1991 member, but his last newsletter was returned as undeliverable.

2868 CHESTNUT CIRCLE NE
BRAINERD MN 56401

FIRST CLASS

Steven E. Colvin
DNR Ecological Services
500 Lafayette Rd., Box 25
St. Paul, MN 55155-4025