

**American Fisheries  
Society**



**NOMINATIONS  
CALL FOR PAPERS**

**Minnesota Chapter**

**OCTOBER 1989**  $\frac{A}{S}F$

AMERICAN FISHERIES SOCIETY MINNESOTA CHAPTER OFFICERS 1989-90

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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

## **A NOTE FROM THE PRESIDENT**

At the chapter meeting last February, three proposed additions to the bylaws were discussed and approved by the membership. These additions were:

1) Associates not belonging to the Parent Society may attend the Chapter meeting, receive the Chapter newsletter, and sit on Chapter committees provided they pay dues (to be set annually by the EXCOM) to the Minnesota Chapter. They may NOT be elected to chapter office, elected to at-large EXCOM posts, vote, or be appointed as committee chairs.

2) The President will be elected in rotation from academia, federal, State Department of Natural Resources (DNR), and open affiliation categories (in that order). In the year of the open category, the Nominations Committee Chairman will make reasonable effort to secure candidates not affiliated with the other three groups. If no interested candidates can be found, persons from the other groups may be nominated.

3) Candidates for the four EXCOM members-at-large will be from the categories academia, federal, State DNR, and open affiliation. The election winner from each Category will serve on the EXCOM.

After Chapter membership approval, these additions must be reviewed by the AFS Constitutional Consultant. If the additions are interpreted as being consistent with AFS policy, they are brought before the Parent Society EXCOM for final approval.

Minnesota's proposed bylaw additions were brought before the EXCOM at Anchorage and turned down. They were reviewed as a package and the objections were toward addition #1.

The process used for the upcoming Chapter EXCOM member-at-large election depends upon the legality of addition #3. Our bylaws currently state there will be THREE members and the proposed addition states FOUR. At the recent Chapter EXCOM meeting (10/11/89) it was decided to resubmit additions #2 and #3, items that you have already voted on. These should be separately brought before the Parent Society EXCOM at their midyear meeting sometime in March.

As witnessed by the spirited discussions at our annual and EXCOM meetings over the last several years, there are strong feelings within our Chapter membership concerning addition #1. A 2/3 majority of our Chapter members wanted this language within our bylaws. The present EXCOM of the Parent Society did not approve.

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## **LETTER TO THE EDITOR**

I received the following letter this summer. Steve makes some excellent points. Let us hope that the recycling legislation recently passed by the State will give us and all citizens more incentive to be part of the solution rather than part of the problem.

The western world, particularly the United States, is literally running out of places to store waste materials. As resource professionals, we should be leaders and be examples to the public of good stewardship principles, including recycling. There are any number of things we can do in waste management that will improve the state of "spaceship earth", enhance our professionalism, and boost our image in the eyes of the public.

Recycling of paper products and aluminum cans are just two "small" ways that we can be better stewards. More frequent contact with local and regional waste management officials will result in keeping up to date on proper, responsible waste disposal and recycling procedures.

Stephen J. Boe, Bemidji, MN

**TO ALL MN/AFS MEMBERS:  
NOMINATIONS FOR 1990 MN/AFS CHAPTER OFFICERS**

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Please complete the following form and return it to me by mail to nominate candidates for 1990 Chapter Officers. Nominations must be received by December 30, 1989. You may also contact me by telephone at (218)720-5515 (work) or (218)525-5037 (home).

Ginny Snarski, Nominating Committee Chair

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**PRESIDENT-ELECT:** This year preference will be given to candidates with an academic affiliation.

1. \_\_\_\_\_  
Affiliation \_\_\_\_\_  
Telephone \_\_\_\_\_

2. \_\_\_\_\_  
Affiliation \_\_\_\_\_  
Telephone \_\_\_\_\_

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**SECRETARY-TREASURER:**

1. \_\_\_\_\_  
Affiliation \_\_\_\_\_  
Telephone \_\_\_\_\_

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**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 \_\_\_\_\_

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Affiliation \_\_\_\_\_  
Telephone \_\_\_\_\_

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Staple

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stamp

Virginia M. Snarski  
U.S. EPA  
Environmental Research Laboratory-Duluth  
6201 Congdon Boulevard  
Duluth, MN 55804  
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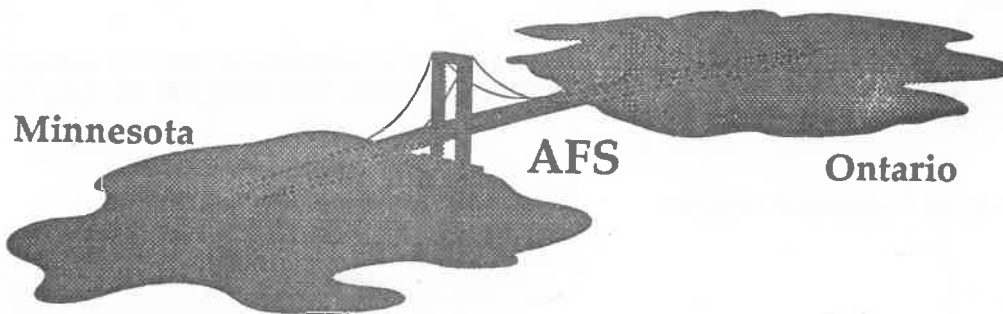
# CALL FOR PAPERS

23rd ANNUAL MEETING  
MINNESOTA AND NORTHWESTERN ONTARIO CHAPTERS  
AMERICAN FISHERIES SOCIETY  
MARCH 14 & 15, 1990  
INTERNATIONAL FALLS/FT FRANCIS

The 23rd Annual Meeting of the Minnesota Chapter of the American Fisheries Society will be held jointly with the Northwestern Ontario Chapter. In addition to the three Special Sessions: 1) Fisheries Resources and Public Policy; 2) Border Water Issues; and 3) Index Anglers and Stock Assessment; there will also be three sessions with Contributed Papers plus a Poster Session. The Contributed Papers Sessions will examine 1) the Walleye Fishery (Cost Effective Management and Stock Assessment; 2) Experimental Management Approaches for Fisheries in Minnesota and Ontario; and 3) General Subjects (Any fisheries, aquatic toxicology or limnology subject). You are invited to prepare contributions in these subject areas.

Anyone who would like to present a paper at the meeting should notify by January 5, 1990, the Program Chair (Greg Busacker, 704 Transportation Building, St. Paul, MN 55155). A short abstract and author information will be required later. Papers must be kept to fifteen minutes in length. Please note on your notice of intent, if you would be willing to prepare a poster for the Poster Session in the event your paper is not selected for a formal presentation. There is a "Best Paper" award that is based upon peer evaluation of all papers presented.

**SPECIAL NOTE TO INSTRUCTORS/PROFESSORS:** We encourage papers by undergraduates and graduate students at the Minnesota Chapter Meeting. If any of your students have something to present, please let them know of this opportunity.



*250 words*

*Submit on disk  
word perfect*

## 1990 NCD Meeting Notes

**SPECIAL NOTE REGARDING THE 1990 NORTH CENTRAL DIVISION MEETING:** We will need volunteers to help with the review of Abstracts for submitted papers. If you are interested, contact Charles Anderson, MNDNR at (612) 296-0794, or by mail: c/o Fisheries Section, 500 Lafayette Road, St. Paul, MN 55155.

## **MEMBERSHIP IN REVIEW**

There are currently 310 names on the Minnesota Chapter mailing list. Of these, 193 are members of the Parent Society. Only 42% are also members of the Minnesota Chapter. Currently, we have 123 paid Minnesota Chapter members (one-third are not members of the Parent Society). Of the Chapter members, 54% are affiliated professionally with the State of Minnesota, 21% are associated with the academic sector, 15% with the federal government, and 2% with the private sector. The affiliation of the remaining 7% is unknown.

These are only statistics. What this chapter has, and needs more of, are active members. As more members become involved in the Chapter and its activities, the better the Chapter can complete its role and serve its members.

### **HAVE YOU PAID YOUR 1989 MINNESOTA CHAPTER MEMBERSHIP DUES?**

If you did not attend the 1989 annual meeting in New Ulm you may not have had the opportunity to sign up for membership in the Minnesota Chapter for 1989. Remember, you must be a chapter member to continue to receive Chapter mailings such as this newsletter. Fill out the application form, attach your dues, and return it NOW!

### **DO WE HAVE YOUR CORRECT ADDRESS? DO YOU KNOW OF A MEMBER THAT DID NOT RECEIVE A NEWSLETTER?**

The Minnesota Chapter maintains an extensive mailing list that provides an important means of communication for fisheries professionals. Do we have your correct address? Please check the mailing label on your newsletter. If the address label contains the wrong information please complete the address correction form and return it as soon as possible. We want to keep our records up-to-date so that everyone in the Minnesota Chapter of the American Fisheries Society can be kept informed of what is happening.

If you know of someone that didn't receive a newsletter that is a member or wants to become a member, please forward your address correction form to them or have them call me, Gary Fandrei, at (612) 296-7363.

### **RECRUIT A NEW MEMBER TODAY!**



# Minnesota Chapter American Fisheries Society

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

## Membership Application/Address Correction Form

fold second

Name \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Affiliation:

- |                                   |                                      |
|-----------------------------------|--------------------------------------|
| <input type="checkbox"/> State    | <input type="checkbox"/> Student     |
| <input type="checkbox"/> Federal  | <input type="checkbox"/> Tribal      |
| <input type="checkbox"/> Academia | <input type="checkbox"/> Other _____ |

1989 Annual member dues enclosed?  (\$5)

Address correction requested?

fold first

Secure your check here.

Please make it payable to:

American Fisheries Society  
Minnesota Chapter

Return Address:

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Gary Fandrei  
Minnesota Pollution Control Agency  
520 Lafayette Road  
St. Paul, Minnesota 55155

## THE NORTH CENTRAL DIVISION RIVERS AND STREAMS COMMITTEE

In December 1987 the Rivers and Streams Technical Committee of the NCD was formed to provide a special focus to running water fisheries issues. The NCD committee meets twice a year: at the annual December NCD meeting and in the spring or early summer. The next two meetings will be at the annual NCD meeting (4 December 1989) in Springfield, IL and 3 April 1990 (probably in Rock Island, IL). A major concern of the committee is the protection and management of cool and warmwater streams, for which there has been less information, more human abuse and less intensive management than coldwater streams. However, as discussed at the most recent meeting, involvement by large river and cold water workers is strongly encouraged. Furthermore, involvement by all NCD members is encouraged. To ensure equal representation only one chapter representative can vote, but any NCD member can hold office and all are encouraged to participate and attend the meetings. All of you are encouraged to become involved. I will outline the summer 1989 NCD RSC meeting and, in a separate article, outline the aims and work of the MN Chapter RSC.

### JUNE 1989 MEETING OF THE NORTH CENTRAL DIVISION RIVERS AND STREAMS COMMITTEE

The meeting was held in Rock Island, IL on 6 and 7 June at Blackhawk State Park. About 30 persons attended and all but 4 NCD chapters were represented. It was decided to move the spring/summer meeting for 1990 back to April, to reduce conflicts with field work. The future spring meetings will probably focus on technical aspects and information exchange. Possible topics include sampling methods and workshops on specific topics.

The results of the committee to date were presented in a 180 pg spiral bound report. Included are reports of the subcommittee on fish sampling techniques and the subcommittee on habitat. The sampling component of the report contains a review of fish sampling and management procedures used by the states in the NCD (by Paul Seelbach), based on returns of surveys from each state. The habitat section contains a review of warmwater habitat improvement projects (by John Lyons and Cheryl Courtney), a summary of stream habitat methods in IL, IN and MO (by Lew Osborne et al.) and a report on stream protection capabilities in the NCD. Osborne is expanding their report to include all NCD states and provinces. The MN DNR is responding to his request for information. There is a wealth of information in this report. Updates are planned. Copies of the report are possessed by Charles Anderson (MN DNR), Dirk Peterson (MN DNR) and myself. Contact one of us if you wish to examine the report.

The third topic covered was increasing the involvement of large river and coldwater biologists and managers with the committee. One suggestion was to form separate working groups. The committee wishes to encompass the interests of all running water managers with fractionation. There is much to be gained from an interchange of information from

cool-warmwater, coldwater and large river fisheries interests. Therefore, the issue of separate working groups for large rivers and coldwater streams was tabled with the idea of increasing involvement of these persons without fractionation. All persons with an interest in any of these areas is encouraged to participate.

The NCD RSC will be sponsoring an IFIM symposium at the 1989 Midwest Meeting in Springfield. Henry Drewes (MN DNR) and Dirk Peterson are coordinating the symposium. More information is available in the Midwest meeting announcements.

Topics for the 1990 Midwest meeting in Minneapolis were discussed. After considerable discussion it was decided that the RSC would pursue the possibility of sponsoring two symposia: a) warm-water stream habitat restoration and b) the importance of temporal and spatial scale in running water fisheries. Randy Sauer (IL DOC) will be coordinating the first topic and Lew Osborne (IL Nat. Hist. Surv.) and myself will be pursuing the second topic. If you have data to present or an interest in involvement with either of these two topics contact me and I'll direct you to the right person. We need your input.

Other topics covered included a discussion of nationally based river conservation groups and elections. John Lyons (MI DNR) became chairman, Paul Seelbach (MI DNR), vice chair, Lynn Schrader (MO), secretary and Don Rosebloom (IL), treasurer. Gary Whelan (MI DNR) handed out a draft of Michigan's review criteria and recommended study guidelines for FERC relicensing. This report may be useful for those of you involved in this process. I have sent copies to several DNR and USFWS persons. I can provide additional copies to those interested. The need for more coordinated communication to chapter members was discussed. I will try to keep you informed through the Newsletter and will directly communicate with those listed as MN Chapter RSC members. If you wish to be informed directly, please contact me and request to be put on the chapter committee.

At the end of the meeting, we broke into two subcommittees (Habitat and Fish). The fish subcommittee viewed various stream shocking sampling equipment. Most were variations on familiar themes, but it was clear that more interactions on specific techniques will be helpful. It is likely that a workshop on sampling design, techniques or gear efficiencies will be developed in the next year. The habitat committee covered details of the proposed 1990 habitat symposium and set an agenda for future meetings.

All in all the meeting was quite informative. After concentrating on organization and procedure matters during the formative first year and a half, I think the committee is in the position to start contributing to information exchange and advancing the management of running water fisheries. Now is the time to become involved.

Ray Newman  
Chapter Rep., NCD Rivers & Streams Committee

## **THE MINNESOTA CHAPTER RIVERS AND STREAMS COMMITTEE**

After a good start by last year's NCD Representative, Dave Zappetillo, it was decided to formally form a Minnesota RSC, of which I am chair and the NCD representative. At present, 22 persons are involved, representing a range of experience from DNR, PCA, US EPA, USFWS and several universities. We are looking for involvement by large river and coldwater workers as well as warm-cool-water workers. Contact me if you are interested in participating. A questionnaire sent to the members revealed that water quantity issues (e.g., IFIM), relating land use to water quality and fish habitat, and assessment of water quality (e.g., IBI) are the top issues of concern to the members (based on 12 responses). Sampling and habitat improvement are also important issues.

I have decided that several areas need special consideration and have appointed subcommittee chairs to address committee involvement to these areas. Dirk Peterson (MN DNR), with the able help of Chapter President-elect Greg Busacker (MN DOT) is coordinating the development of an education packet, for area managers, on protecting fisheries resources during highway improvement projects. Gary Fandrei (MN PCA) will be leading the sub-committee on water quality issues and Luther Aadland (DNR Ecol. Serv.) will be leading the sub-committee on water quantity-instream flow issues. These committees represent our two most pressing issues. Lastly, Rich Domingue (DNR Waters) and

Howard McCormick (US EPA) will look into developing a sub-committee on public policy and information. Many rivers and streams issues involve public input and comment. Rich and Howard will be looking (with the help of the ExCom) at how the RSC might be of use in this area without becoming a political or advocacy group. Please contact any or all of the above persons if you can help with these worthwhile sub-committees.

The committee is also involved with information exchange with the NCD Committee, based on surveys and questionnaires. You can be assured that the results of these questionnaires are used. The surveys and guidelines in the NCD reports mentioned above were the result of surveys answered by agencies within the NCD. I greatly appreciate the help that Charles Anderson, Rich Domingue, Mark Ebbers, Gary Fandrei, Pat Olson, Ian Chisholm and Gary Wege have given by completing these questionnaires to date.

We still need suggestions for how this committee can best help you. We will meet as a group at the annual chapter meeting, but perhaps a fall committee meeting is in line. At the moment, the main committee function has been to handle information and survey requests from the NCD committee and the national AFS. Certainly, your involvement with the 1990 Midwest meeting will be needed. All suggestions are welcome and encouraged.

Ray Newman  
Chair, River & Streams Committee

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### **MN CHAPTER TO ADVISE DNR ON FISHERIES LONG RANGE PLANS**

by  
Issues Committee Chair Michael Vanderford

The Chapter EXCOM decided at its October 11th meeting to make a broad-scale effort at commenting on the MN DNR's Long Range Plans for Fisheries Management. The Plans were first issued in the fall of '87, and then Chapter President Jon Ross provided some input on behalf of the Chapter in the winter of '88.

However, due to the slowness in developing the Long Range Plans for Wildlife Management (to which the Fisheries plans are tied as document), the DNR has not yet closed the door on comments. The opportunity for, and the benefit of, the Chapter doing a first class job of evaluating the fisheries plans, was recognized by the EXCOM.

As a result, 20 Chapter members will specifically be contacted within the month to provide their comments to Issues Committee Chairman Michael Vanderford for consolidation. The consolidated comments will be prepared for the signature by the entire EXCOM by the end of December.

**SPECIAL INVITATION:** If you, as a MN Chapter-AFS member, wish to submit comments for consolidation into the Chapter response to the DNR (even if you're not one of the "chosen" 20), you are encouraged to do so. Comments need to be sent to Michael by November 27, 1989 at: US FWS, 660 Federal Building, Fort Snelling, Minnesota 55111-407.

# PROJECT WILD AQUATIC

by  
Brad Parsons

"Water in all its forms is one of the most dramatic of today's arenas in which informed, responsible, and constructive actions are needed. Water is one of the basic components of habitat for people and for wildlife. Water is essential to all life. Aquatic species and aquatic ecosystems give humans early and clear warning about the quality of the watery environment upon which we all depend."

The preceding statement comes from the preface to the Project Wild Aquatic Education Activity Guide. This statement reflects the basic ecological values that Project Wild Aquatic intends to teach to the elementary and secondary students of Minnesota and the United States.

Project Wild was developed in 1983 as an interdisciplinary, supplementary environmental and conservation education program emphasizing wildlife. Since that time, more than 140,000 educators nationwide and almost 4,000 in Minnesota have participated. By 1987 Project Wild Aquatic had grown out of its terrestrial forerunner. The program begins with workshops for teachers. These workshops familiarize teachers with the program and the associated activities. The teachers have forty aquatic ecosystem related activities in the manual to take with them and incorporate into their lesson plans. One excellent attribute of the activities is they are not limited to teaching science alone. The activities are designed to be used in art (including an activity called "Fashion a Fish"), health ("Water We Eating"), language (Water Words"), math ("Where Does Water Go After School"), and social studies ("Where Have All the Salmon Gone") classes as well. Topics range from ecological principles and how our values relate to aquatic ecosystems to management and conservation of individual species.

Workshops in Minnesota are co-sponsored by the DNR Nongame Wildlife Program, the Minnesota Environmental Education Board, and the Minnesota Department of Education. I have had the opportunity to participate in two

workshops as an assistant leader, and have found it to be an excellent experience. My role has been to talk about the kinds of aquatic habitat in our area, the fish life and its management, and the effects of pollution on aquatic environments.

To someone like myself who has very little experience with children, the activities at first seem too simplistic to make their point. But when you listen to an elementary teacher talk about how they will adapt the activity to their class, it all seems to make more sense. It is this excitement from the teachers themselves that convinces me the program can accomplish its goals. Working with these people has been a true pleasure. I should add that Aquatic Wild is for many folks besides professional educators. Workshops I have been at have included Boy and Cub scout leaders, after school program coordinators, and 4-H folks.

I see several opportunities for chapter members to become involved with Project Aquatic Wild. One very simple and effective way is to simply ask your friends who may be teachers if they have heard of the program. I mentioned the workshop we just completed in Morris to a friend of mine, and she found the announcement buried on their bulletin board. Karen Van Norman, who works out of the DNR nongame wildlife program (612) 297-2423 can get you the names of workshop leaders in your area. I know they would welcome the participation of fisheries professionals from all affiliations.

One criticism of the Project Wild program has been an underlying tone of preservation rather than conservation. We as fisheries professionals know that it is the sportsman who pays the big portion of the bills. It never hurts to remind the public that the angler cares about the resource. Getting involved with Project Aquatic Wild is a positive step towards educating our children and their teachers about the wise use and conservation of the aquatic environments our profession depends on.

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## PEOPLE PLACES AND THINGS

**MINNESOTA NATIONAL FORESTS GET NEW BIOLOGISTS:** The US Forest Service has hired new fisheries biologists for the Superior and Chippewa National Forests. Linda Parker will take over in the Superior. Linda comes to Minnesota after stints with the Forest Service in the Pacific Northwest, Peace Corps work in the Phillipines, and work in Scotland. Chantel Waltner now has the new position for the Chippewa National Forest out of Cass Lake. Chantel joins the Forest Service from her position with the Minnesota DNR instream flow study group.

**OTHER PEOPLE NOTES:** Shirin Yousuff joined the Environmental Research Lab - Duluth fish culture unit in September from Windsor, ONT where she received her BS from the University of Windsor. Carl Richards has joined the Natural Resource Research Institute at the University of Minnesota Duluth. Pete Jacobson has transferred to the DNR fisheries research biologist position at Detroit Lakes. Pete was previously the area fisheries supervisor at

Windom. Dirk Peterson will be the Federal Aid Coordinator for the DNR in St Paul. Dirk will be leaving the area fisheries supervisor position in Waterville.

**KNIFE LAKE TREATMENT SUCCESSFUL:** The DNR recently completed a rotenone treatment of the Knife Lake watershed in east-central Minnesota. This highly publicized and sometimes controversial activity appears to have removed the overabundant carp population. Restocking is planned for next spring with walleye, largemouth bass and channel catfish.

**FISH SLIDES AVAILABLE:** The Parent Society AFS has 670 color slides of North American Fishes available for sale at \$1.50 per slide. To obtain a catalog with ordering information, please send a self addressed 9 x 12 envelope with \$.65 postage to AFS Fish Photo, 5410 Grosvenor Lane, Suite 110, Bethesda, MD 20814-2199.

# MINUTES OF THE CHAPTER EXCOM, 11 OCTOBER 1989

**Members in attendance:** G. Fandrei, B. Parsons, D. Schupp, D. Helwig, H. Bolton, D. Bathel, V. Snarski, M. Vanderford, G. Busacker, R. Newman, D. Schreiner, R. Pierce.

## Old Business

### Awards Process

D. Bathel found a complete set of instructions for the selection process for awards in the chapter archives. Darryl pointed out the need for a procedural manual for the chapter so that this type of information is readily accessible.

### Fish Collection Permits

No new information on the state's policy for granting fish collection permits has been obtained.

### Firm Coalition

The Excom has not contacted the Firm Coalition yet.

### AFS Journals for Foreign Schools

The Excom is still waiting for more information from the parent society about a program to sponsor a subscription of AFS journals for a foreign school. H. Bolton recommended checking with local schools to assess the need for the chapter sponsoring a subscription of AFS journals within the state. M. Vanderford will check on this possibility.

### Chapter Bylaws

Proposed changes to our chapter bylaws were submitted to the parent society Excom at the National AFS meeting. The whole package of proposed changes were turned down by the parent society. Darryl felt that the major sticking point was Proposed Addition 1 (establishing associate memberships). Discussion focused on what steps the Excom should take next. G. Busacker moved that the Excom should submit the following to the chapter membership at the 1990 annual meeting: Remove Proposed Addition 1 from the bylaws and not resubmit it to the parent society. Put Proposed Addition 1 in a chapter procedural manual.

M. Vanderford moved that we resubmit Proposed Addition 2 (rotating the presidency among candidates from academia, federal agencies, DNR, and open affiliation categories), wording changes to Section 6 (allowing four rather than three Excom members-at-large), and Proposed Addition 3 (establishing the categories of academia, federal agencies, DNR, and open affiliation for Excom members-at-large) to the parent society mid-year meeting. He also moved that we have the parent society consider our changes point by point rather than as a single package. Excom approved.

M. Vanderford moved that we recommend the 1989 Addition (language requiring a 75% majority vote to carry an Excom decision) to the chapter membership at the 1990 annual meeting.

M. Vanderford also moved that we recommend a change in wording of Section 10 (removing the phrase "at the annual meetings") to the membership at the 1990 annual meeting. After discussions about implications of the proposed change, the motion carried.

## Committee Reports

### Nominations

V. Snarski will need to change the newsletter nomination form since the parent society rejected our bylaw changes. The committee will still provide four categories for

nominations but may have to eliminate one category later if the parent society again rejects submitted changes to the bylaws.

### Resolutions

No activity. D. Bathel reminded Excom that any resolutions for the North Central Division meeting need to be submitted soon.

### Membership

The membership list will be maintained on a PC rather than uploaded to a mainframe computer. G. Fandrei compiled some informative statistics on our membership which will be published in the Chapter Newsletter.

### Awards

The committee will recruit a judging panel for the best paper award for the annual meeting. No nominations were received for the Award of Excellence. H. Bolton asked the president to emphasize the importance of the deadlines for the Award of Excellence at the next annual meeting.

### Rivers and Streams

Four subcommittees have been formed with the titles of Transportation Project Impacts, Water Quality Issues, Water Quantity/Flow Issues, and Public Concerns. R. Newman indicated there was broad representation on the committee with a good mix of agencies/institutions. The committee has compiled a list of Who's Who in River and Stream Management in Minnesota. The committee is working on a symposium on Spatial and Temporal Scale in Stream Research and Management for the 52nd Midwest Fish and Wildlife Conference. Ray handed out a preliminary call for papers.

### Continuing Education

Both bioenergetics workshops for October are full. D. Schreiner indicated that major problems he is encountering in organizing workshops are: 1. People are not paying attention to deadlines; and 2. he is not getting registration fees before the workshops. He will need some money from the treasury to pay for the workshop until the fees are paid. The Excom should think about the possibility of funding a graduate student to attend a workshop from workshop proceeds. Don expressed an interest in having someone new take over the committee.

### Newsletter

Brad asked for news items/articles. He is using Word Perfect but can also accept ASCII or Multimate files.

### Issues

M. Vanderford asked if the chapter should get involved in reviewing the DNR Fish Species Management Plans, and if so, who should do it and who should sign it? Discussion ensued. Excom members are to send a list of names of potential reviewers to Michael. He will solicit and consolidate their comments and send consolidated comments to the Excom for further comment. He will polish up a final review and send it to DNR.

M. Vanderford also suggested sending a letter to the LCMR and House and Senate Natural Resources committees to notify them of our presence and our willingness to help them, as well as to suggest a review process for projects they fund. Excom approved with Michael to draft the letter.

### **New Business**

#### **Procedural Manual for the Chapter**

Excom discussed and identified a clear need for a procedural manual. D. Bathel suggested that the manual include items or procedures that have been worked out at previous Excom meetings as well as having chapter executives compile lists of their duties and responsibilities. Other suggestions included soliciting input from past officers and that the manual should evolve over several years of input from officers. Chapter executives are to write down their duties and bring these written descriptions to the next Excom meeting.

#### **T-shirts**

Excom decided Tracy should get additional t-shirts and maybe some could be children's sizes. Could Tracy check on the possibility of selling coffee mugs with the AFS logo?

#### **Letter from NCD President**

Lee Redmond is soliciting comments on what the NCD can do for our chapter. Direct any comments for Lee to D. Bathel or G. Busacker.

#### **Transgenic Fish**

D. Schreiner felt the chapter should develop a resolution or statement of concerns about the uses of transgenic fish.

Discussion ensued about how to handle this issue. Don will set up a forum for the 1990 annual meeting. The forum will be a prelude to discussions of a formal statement at the business meeting.

#### **Timeliness Survey for AFS Publications**

D. Bathel received a survey on the timeliness of AFS publications from the parent society. He sent the survey to some other chapter members, reviewed their comments, and sent their comments back to the parent society.

#### **1989 Committee Summaries**

D. Bathel needs a report of the year's activities and a list of future actions that need to be taken from each committee chair two weeks before the next meeting. He would also appreciate a recommendation of new candidates for the committee chairs.

#### **1990 Chapter Meeting**

Meeting will be 14-15 March 1990 at the Holiday Inn, International Falls, with an Excom meeting the night before. G. Busacker needs white elephant sale items.

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## **NORTH CENTRAL DIVISION AWARDS NOMINATIONS**

The North Central Division invites nominations for the following Division awards:

### **MOST ACTIVE CHAPTER:**

This award will be given to the chapter which has carried out the most active program for enhancing professionalism and fisheries management within its geographic jurisdiction.

### **EXCELLENCE IN FISHERIES SCIENCE:**

This award will be given to a member who has made an outstanding contribution to fisheries science or management. This may be for a single activity or a collection of achievements over the individual's career. Former Division members may be honored if most of their work occurred while they were North Central Division members.

### **MERITORIOUS SERVICE AWARD:**

This award will recognize extraordinary individual service to our society, at the chapter, division, section, or parent level. The award may be given on the basis of a single clearly outstanding service achievement or for a variety of service activities. In all cases, there should be evidence that the service has gone beyond the routine and that it has made a genuine and lasting contribution to the betterment of the Society.

Please use the appropriate enclosed nomination form(s) and submit it immediately to:

William W. Taylor  
Chair, NCD awards committee  
Department of Fisheries and Wildlife  
Michigan State University  
East Lansing, MI 48824  
(517) 353-3048

1989 Application: Most Active Chapter Award  
North Central Division of the American Fisheries Society

1. Chapter Name: \_\_\_\_\_

1a. # Members: \_\_\_\_\_

2. Officers: Pres. \_\_\_\_\_ Sec. \_\_\_\_\_  
VP \_\_\_\_\_ Treas. \_\_\_\_\_

3. Contact Person: Name & Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4. Number & Type Meetings:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5. Special Activities/Projects: (attach newsletters etc.)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

6. Membership Recruitment Activities:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

7. In <250 words describe what makes your chapter a unique and active contributor to the NCD, AFS, and the profession. Use space to expand upon any above areas.

1989 Application: Meritorious Service Award  
North Central Division of the American Fisheries Society

1. Nominee (name & affiliation):

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2. Nominator 1 (name & affiliation):

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3. Nominator 2 (name & affiliation):

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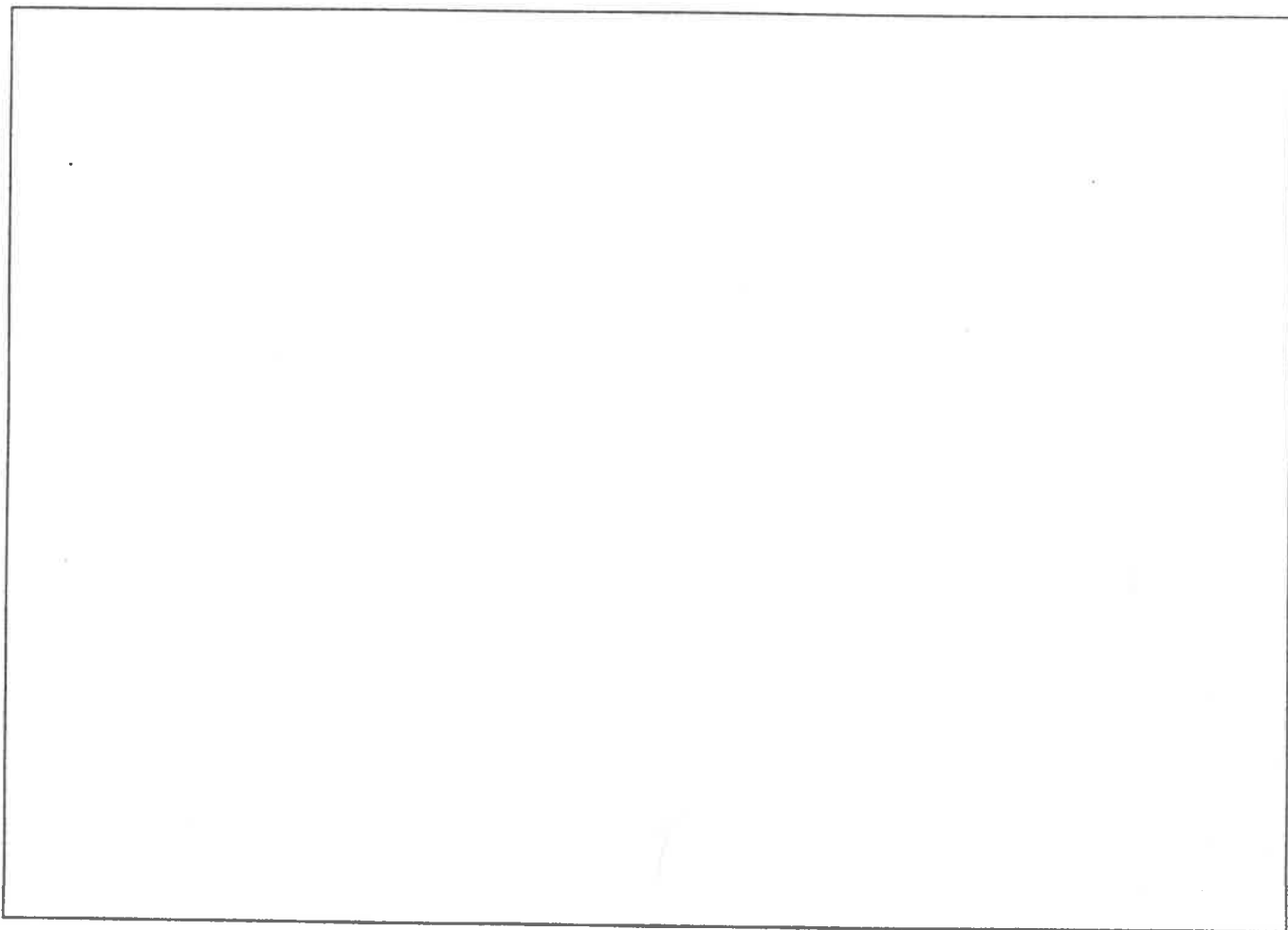
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4. Brief biographical sketch of nominee (<400 Words):

1989 Application: Meritorious Service Award  
North Central Division of the American Fisheries Society

5. Brief narrative of significant contributions made by nominee (<450 Words):

A large, empty rectangular box with a thin black border, intended for the applicant to write a brief narrative of significant contributions made by the nominee. The box is currently blank.

6. Please submit any supporting materials.

1989 Application: Excellence in Fishery Science Award  
North Central Division of the American Fisheries Society

1. Nominee (name & affiliation):

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2. Nominator 1 (name & affiliation):

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3. Nominator 2 (name & affiliation):

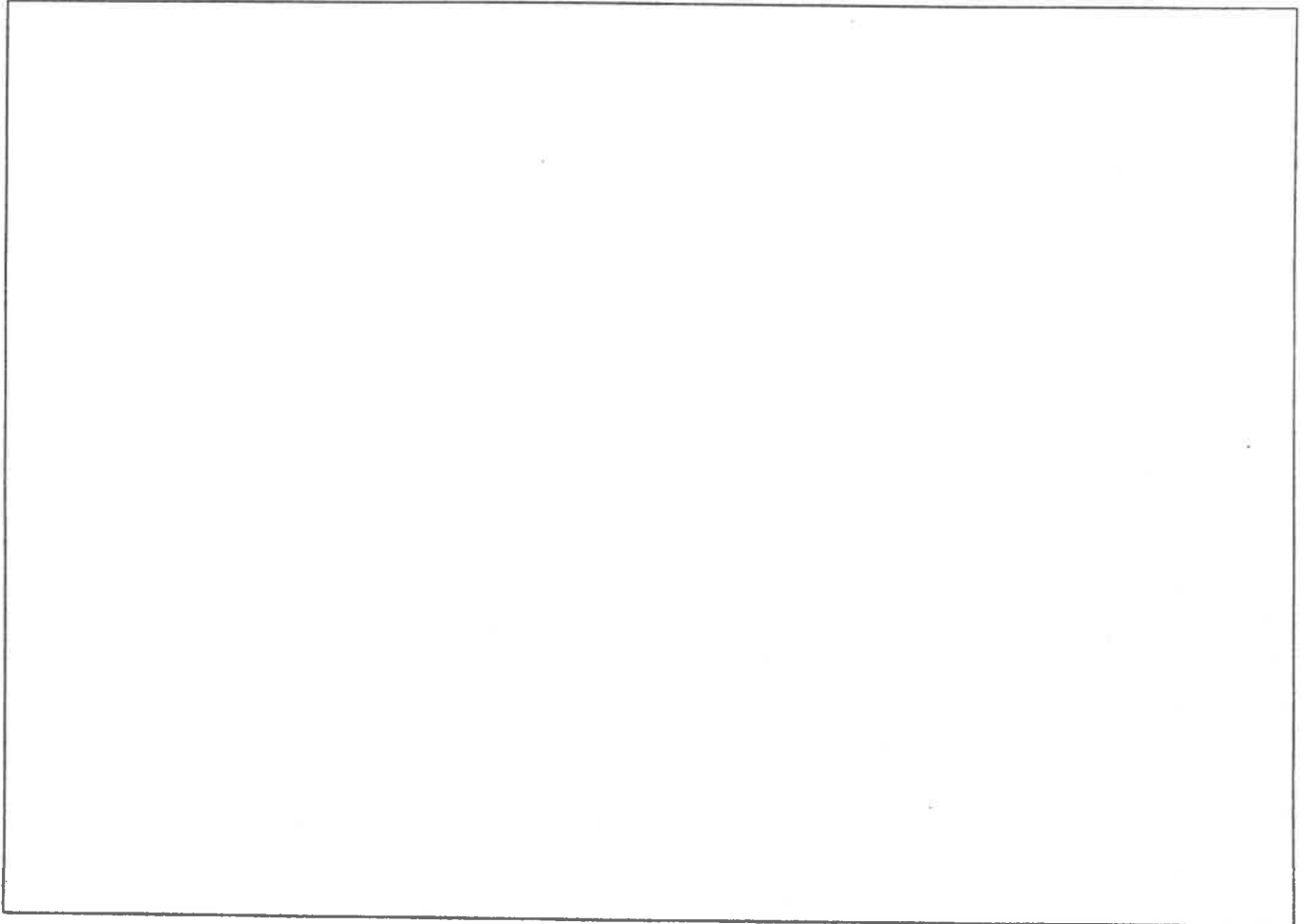
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1989 Application: Excellence in Fishery Science Award  
North Central Division of the American Fisheries Society

5. Brief narrative of significant contributions made by nominee (<450 Words):

A large, empty rectangular box with a thin black border, intended for the applicant to write a brief narrative of significant contributions made by the nominee. The box is currently blank.

6. Please submit any supporting materials.

## Who's Who in River and Stream Management: Minnesota

### Chapter Rep. NCD RSC

Ray Newman  
University of Minnesota  
Fisheries & Wildlife  
612 625-5704

### Fish Tissue Contaminants

Jack Skrypek  
MN DNR, Ecological Services  
612 296-0783

Stan Smith  
USFWS  
612 290-3131

Dan Helwig  
MN PCA  
612 296-7250

### Fish Kills

Steve Colvin  
MN DNR, Ecological Services  
612 296-0782

### Habitat Enhancement

Mark Ebbers  
MN DNR, Fisheries  
612 297-2804

Jerry Decker  
USFWS  
612 290-3131

### Habitat Assessment

Mark Ebbers  
MN DNR, Fisheries  
612 297-2804

Jerry Decker  
USFWS  
612 290-3131

Patricia Bailey  
MN PCA  
612 296-8878

### Instream Flows

Ian Chisholm  
MN DNR, Ecological Services  
612 296-0781

Luther Aadland/Chantel Waltner  
MN DNR, Ecological Services  
507 362-4223

Rich Domingue  
MN DNR, Waters  
612 297-3901

### Hydropower Impact Assessment

Ian Chisholm  
MN DNR, Ecological Services  
612 296-0781

Gary Wege/Robert Krska  
USFWS  
612 290-3131

Rich Domingue  
MN DNR, Waters  
612 297-3901

Louis Flynn  
MN PCA  
612 297-3364

### Channel Changes Impact Assessment

Luther Aadland  
MN DNR, Ecological Services  
507 362-4223

Chantel Waltner  
MN DNR, Fisheries  
507 362-4223

Louis Flynn  
MN PCA  
612 297-3364

### Riparian Laws/Rights

Ron Harnak  
MN DNR Waters  
612 296-0440

### 401/404 Permit Review

Steve Colvin  
MN DNR, Ecological Services  
612 296-0782

Jerry Decker  
USFWS  
612 290-3131

Ron Harnak  
MN DNR Waters  
612 296-0440

Louis Flynn  
MN PCA  
612 297-3364

### Drainage Districts

Dirk Peterson  
MN DNR, Fisheries  
507 362-4223

### Urban Fisheries

Duane Shodeen  
MN DNR, Fisheries  
612 296-2959

Large Rivers

Jack Enblom  
MN DNR, Ecological Services  
612 296-0785

Gary Wege  
USFWS  
612 290-3131

Watershed Management

Dirk Peterson  
MN DNR, Fisheries  
507 362-4223

Wayne Anderson  
MN PCA  
612 296-7323

Non-Game or Commercial Stream Fish

Floyd Henniger  
MN DNR Fisheries  
612 296-2308

Cold Water Streams

Tracy Close  
MN DNR, Fisheries  
218 723-4680

Bill Thorn  
MN DNR, Fisheries  
612 345-3365

Scenic and Protected Rivers

Michael Markell  
MN DNR, Trails & Waterways  
612 296-6413

Sandy Fecht  
MN DNR Waters  
612 297-2401

Fisheries Assessment

Tim Schlagenhaft  
MN DNR, Fisheries  
612 297-3287

Patricia Bailey  
MN PCA  
612 296-8878

Data Base Management

Tim Schlagenhaft  
MN DNR, Fisheries  
612 297-3287

Kathy Svanda  
MN PCA  
612 296-8856

Stream Macroinvertebrates

Gary Montz  
MN DNR, Ecological Services  
612 297-4888

Environmental Assessment

Steve Colvin  
MN DNR, Ecological Services  
612 296-0782

Cliff Anderson  
MN PCA  
612 296-7799

Gene Soderbeck  
MN PCA  
612 296-7222

Form Compiled by Ray Newman, MN rep to NCD RSC

Contributions by:

Charles Anderson MN DNR Section of Fisheries 500 Layfayette Rd St. Paul, MN 55155 612 296-0794	Gary Fandrei MN PCA 520 Layfayette Rd. St. Paul, MN 55155 612 296-7363	Gary Wege USFWS Suite 50 400 Sibley St. St. Paul, MN 55101 612 290-3131	Rich Domingue MN DNR Division of Waters 500 Layfayette Rd St. Paul, MN 55155 612 297-3901
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Abbreviations:

MN = Minnesota  
DNR = Department of Natural Resources  
PCA = Pollution Control Agency  
USFWS = U.S. Fish & Wildlife Service

Fisheries = Section of Fisheries  
Waters = Division of Waters  
Ecol. Serv. = Section of Ecological Services  
RSC = Rivers & Streams Committee



GUNDERSON JEFFREY L  
151 WREN DR.  
DULUTH MN 55811

FIRST CLASS

7378 Iverson Ave. S.  
Cottage Grove, MN 55016

