

**American Fisheries
Society**



OPEN NOW!

FINAL CALL FOR PAPERS

Minnesota Chapter

NOVEMBER 1990



AMERICAN FISHERIES SOCIETY MINNESOTA CHAPTER OFFICERS 1990-91

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 Northern States Power-ERAD
 414 Nicollet Mall
 Minneapolis, MN 55401
 612-330-5596

Dave Zappella
 612-772-7963
 Will call back
 # 722-7750

Standing Committee

2 resolutions from N.C. Division

Parent society check off

Registration
 Check off
 Cards
 Receipts

Steve Colvin DNR

Henry Drews DNR
 Very thoughtful. Yes
 Wife is expecting
 may not get to meeting.

Comments of First Draft Society Plan picked out what chapter can do to meet Society needs.

Very extensive document. Not intended to be done in one year. What parts of it we should do on an annual basis.

Ad Hoc Planning Committee

Standing Planning Committee

annual action plan

TRACY needs approval.

Non-Executive Council

Good Response from mailing
 Fair response for Nominating
 Not much of a time commitment

Will call back - Several parts collected
 Finished banner proof not yet

Will call back
 Annual Fish Workshop
 On questionnaires
 Another questionnaire at this year's meeting.

DNR Central office did not support the steps to workshop. Action for 1992
 Bob Myhr corresponded with Mark for Annual Fish Workshop



Minnesota Chapter American Fisheries Society

MF 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.

PRESIDENT'S NOTES
By Greg Busacker

The 1990 Midwest Fish and Wildlife Conference is nearly upon us and I look forward to seeing a good many of you there. Following that is our joint Chapter Meeting with Wisconsin. The summer has been relatively quiet. We did receive a request from the Division Resolutions Committee to consider rewriting our special regulations resolution (March, 90) for broader application to other political jurisdictions. At the October Excom meeting we rewrote the resolution and forwarded it to the Division for consideration at the December Midwest. If you are interested in supporting the resolution further, you now have a good reason to attend the Division Business meeting.

The Long-Range Planning Committee has forwarded a draft document for review. Tracy Close, Committee Chair, is going to compile comments and edit the document for presentation at the next Excom meeting (January 22, 1991). Assuming that some or all of the committee's recommendations are adopted, there are going to be more opportunities for members to contribute their mental powers to Chapter affairs. If you are interested in reviewing the Long-range Plan, please contact me or Tracy for a copy of the draft document. Comments to Tracy are due by Thanksgiving.

During the upcoming year, we are probably going to have to conduct some fund raising activities. Your ideas will be appreciated.

EDITOR'S NOTES
By Brad Parsons

As many of you know, our Chapter has been in the process of developing a Long-Range Plan. The Committee responsible for this, headed by Tracy Close, has produced a draft that was discussed at the October EXCOM meeting. As I was reading it, I found several areas where the responsible parties for implementing this plan included the newsletter editor. I would like to devote this space to informing you as to what these areas are and how your input can help make them work.

One area is to solicit issues for policy development, and another is to encourage and enhance scholarly debate within the chapter about policy issues critical to Minnesota through the Chapter newsletter. The responsibility for these falls on the Issues Committee and the Newsletter Editor. But ultimately the responsibility falls on all of us. We all must identify issues that are important to us and communicate those ideas to either the Issues Committee chair or to me. Even if you do not like to write out an opinion on these ideas, we can probably find someone in the Chapter with views similar to yours who can write the opinion page or help you do so. The first step is the idea! We can help you from there. I have been charged to print at least one opinion article in each newsletter, and to print responses to these in future newsletters. I would love to do this. It would make putting the newsletter together infinitely more interesting and satisfying. What are some things that could start us off? Well, recently there has been a great deal of discussion about the uses of transgenic fish. Or how about the idea of the Leech Lake Association to have some kind of quarantine on lakes with Eurasian water milfoil? Hundreds of other ideas are possible. Think about it.

The Long-Range Plan also says we should establish field reporters at major work locations. At the annual meeting we will find people to do this at the U of M, other universities, the Forest Service, DNR Central Office, Management, Hatcheries, and Research, other State agencies, Fish and Wildlife Service, EPA, Tribal fisheries, utilities, and more. This will help us all to keep in better touch with what is going on around us in the Minnesota Chapter of the American Fisheries Society.

CALL FOR PAPERS

24th Annual Meeting Minnesota and Wisconsin Chapters American Fisheries Society January 23-24, 1991

The 24th Annual Meeting of the Minnesota Chapter of the American Fisheries Society will be held jointly with the Wisconsin Chapter. The meeting will be held on January 23-24, 1991 at the Hudson House Inn (Best Western) in Hudson, Wisconsin.

There will be three special sessions: 1. Exotic Species Impacts and Management, 2. Tribal Fisheries Management Programs, and 3. Fish Contaminant Advisory Issues. The remainder of the program will be contributed papers on general subjects (any fisheries, limnology, aquaculture, or aquatic toxicology subjects).

Anyone who would like to present a paper or poster at the meeting should send a short abstract to Jeff Gunderson, the program chair (address below). If possible, please submit the abstract on disk using Word Perfect or as an ASCII file. Papers must be kept to fifteen minutes in length. Also note that only slides will be allowed for presentations -- no overheads. Please create slides that are concise, that enhance your message, and that are readable. A "Best Paper" plaque will be presented to the best Minnesota Chapter paper, based upon peer evaluation.

Special Note to State Employees. State employees can now stay in out-of state lodging if it is within 10 miles of the border. The Hudson House Inn and Comfort Inn are within that limit.

Lodging. The Hudson House has blocked off a number of rooms at a special rate. The rate for one person is \$36 per night plus tax and the rate for two people is \$44 plus tax. The block of rooms and special rate will be held until January 8, 1991. The Comfort Inn is within walking distance of the Hudson House. Special rates for our meeting at the nearby Comfort Inn are \$37.05 for one person and \$42.91 for two people plus tax.

Hudson House (715) 386-2394 or (612) 436-5858
Comfort Inn (800) 228-5150 or (715) 228-5150

715-386-6355

ABSTRACT DEADLINE IS NOVEMBER 28, 1990.

Please send to:

Jeff Gunderson
Sea Grant Extension
UMD
Duluth, MN 55812
(218)726-8715 work
(218)727-0188 home

Jerry Smith

Suite
185 + tax
550

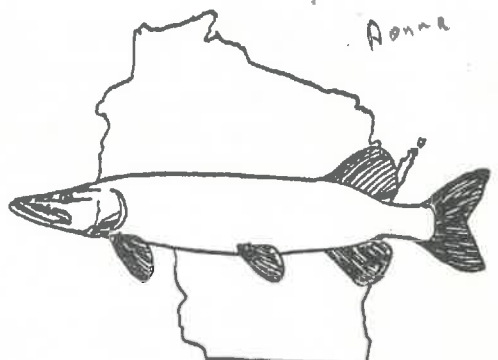
9:30

Anna

\$30.36 + tax (per person)

Hold 20
15 - double
5 - single

Till 20th



**STATISTICS IN FISHERIES MANAGEMENT AND RESEARCH:
AN OVERVIEW OF STATISTICAL METHODS
FOR FISH MANAGERS AND BIOLOGISTS**

*by Dr. Paul Hinz
Iowa State University*

The Minnesota Chapter of the American Fisheries Society is hosting its fourth annual continuing education workshop at Concordia Language Villages. Dr. Paul Hinz will present an overview of statistical methods applicable for fisheries biologists. This workshop will review many statistical techniques that are appropriate for fisheries science. Whenever possible, Dr. Hinz will use actual fisheries examples to demonstrate the correct way to apply a variety of statistical tests. The workshop will consist of instruction blocks, followed by problem solving sessions where participants will get actual hands on experience with these statistical procedures. Although previous statistical class work is not a prerequisite, it would be helpful.

Dr. Paul Hinz, is a professor at Iowa State University in the Department of Statistics. He received his B.S. and M.S. degrees in Wood Technology at Penn State and N.C. State. Dr. Hinz was granted his Ph.D. in Statistics from the U. of Wisconsin. At Iowa State he teaches courses in statistical methods, experimental design, and multivariate analysis. Dr. Hinz has conducted a similar workshop for the Illinois Department of Natural Resources with very good reviews. This workshop has also been approved for continuing education credits through the AFS parent society.

Lodging and meals will be provided by the Concordia Language Villages located east of Bemidji, MN. Sleeping quarters will be in several of the village cabins, complete with fireplaces. The language village is located on Turtle River Lake, and with any luck the walleye fishing should be excellent.

ADVANCED REGISTRATION IS REQUIRED. Upon receipt of registration, you will be sent a packet with more detailed information. Unfortunately space is limited, so the workshop will be filled on a first come first

serve basis, so please register early.

DNR EMPLOYEES NOTE: In past years, funding for AFS continuing education workshops has been provided by the central office. This funding is not available this year. You will need to contact your local supervisor (area, region, research biologist) to ascertain whether funds are available. The short time frame before registrations are due means you must act quickly.

TENTATIVE WORKSHOP SYLLABUS

- I. Use of randomization in planning and analyzing data from experiments. Summary statistics: histogram, mean, variance, standard deviation.
- II. Variance of linear combinations. Variance of means and differences of means. Decomposition of a sum of squares and the analysis of variance table. The F-distribution, confidence intervals on means, least significant differences.
- III. The nature of observational studies. The intraclass correlation coefficient. Random versus non-random sampling. Sample size estimation.
- IV. Simple linear regression. Analysis of variance for regression. Variable standardization. Measures of precision in regression.
- V. Methods for increasing precision in experiments and observational studies.
- VI. Multiple regression. Interpretation of regression coefficients. Curvilinear relationships.
- VII. Interaction in cross classifications. Plotting techniques.
- VII. Applications to fisheries research and management.

When: January 7th, 12:00 p.m. - January 11th, 12:00 p.m., 1991

Where: Concordia Language Villages, Bemidji, MN.

How many: 25 maximum

Cost: \$125 - Instruction fee, text, continuing education
registration
\$155 - Activities, meals & lodging at the language village

STATISTICS WORKSHOP REGISTRATION FORM

Please register me for the course "Statistics in Fisheries Research and Management".

Name _____

Address _____

Phone (Work) _____ (Home) _____

Organization _____

Statistics workshop fee and text - \$125 _____
Meals & lodging at the language village - \$155 _____
Total cost _____

REGISTRATION DEADLINE IS DECEMBER 15, 1990

Send registration form and payment (checks payable to MN-AFS) to:

Mark Cook or Steve Boe
Continuing Education Co-Chairmen, MN-AFS
Area Fisheries Headquarters
2114 Bemidji Ave
Bemidji, MN 56601

NOMINATIONS CLOSING SOON

The closing date for nominations of MN Chapter AFS officers has been changed to Nov. 30, 1990, to accommodate the change in the annual meeting date from March to January.

Please submit nominations to: Cindy Tomcko
1201 E. Hwy. 2
Grand Rapids, MN 55744

RIVERS AND STREAMS COMMITTEE UPDATE

By Ray Newman

The North Central Division Rivers and Streams Committee (RSC) will hold its fall meeting on Sunday, 2 December 1990 at 6-7:30 PM. It will be held in the Greenways B Room on the second level of the Minneapolis Hyatt Regency. The hospitality session will follow the meeting. All chapter committee members as well as any other interested persons should plan to attend this meeting. Also note that the Division RSC is sponsoring two symposia at the Midwest: Restoration of Midwest Stream Habitat (Tues. Dec 4 - PM and Wed. Dec. 5 - AM) and Spatial and Temporal Scale in Stream Management (Mon. Dec. 3 - PM and Tues. Dec 4 - AM). This should be a fine meeting. I urge you to attend the RSC meeting as well as the symposia and the rest of the Midwest. This is a once in 10 year chance for meeting other stream workers with so little travel.

On the local front, the chapter committee has been plagued by turnover. Subcommittee Chairs Gary Fandrei and Rich Domange have moved out of state. We need to fill those slots, better define our mission and make some more progress. I would like to hold a chapter meeting at the Midwest. Plan on meeting briefly at the NCD RSC meeting to set up a meeting time and place for the chapter. Those remaining subcommittee chairs should be prepared to give reports and suggest tangible actions to be completed by the Minnesota Chapter meeting this January in Hudson WI. I intend to step down at that time and Jeff Gunderson will appoint a new chair. Now's the time to get involved and set the agenda for the future.

INTERNATIONAL HABITAT IMPROVEMENT WORKSHOP

By Bill Thorn

Charles Anderson, Mark Ebbers, Bill Thorn, and Mike Hayes attended the Seventh International Habitat Improvement Workshop in Waterloo Ontario, September 12-14, 1990. A strong international interest was shown with representatives from Bavaria, Ireland, and Japan.

The theme of the workshop was Watershed Planning as an Approach to Managing Trout Streams. Southern Ontario trout streams are dependant upon ground water recharge from a high water table in the watershed. These watersheds are being developed at an increasing rate by urbanization and industry. Habitat is improved through "partnerships" and multi-agency approaches by volunteers.

By hosting this workshop the Ontario sponsors wanted to gain added perspectives into their water quality and land use problems. As in previous workshops the host also wanted peer review and constructive criticism of their habitat improvement. The Canadians were constantly asking questions to evaluate and improve their work.

A majority of the presentations pertained to rehabilitation of streams, the importance of ground water for trout in watersheds of southern Ontario, and multi-agency approaches to habitat improvement. A field tour demonstrated problems and solutions.

Specific highlights:

A classification of streams as an approach to habitat improvement.

Importance of shallow ground water for trout in S. Ontario.

An inventory system of streams in a national forest of the Pacific NW which stressed setting specific goals for rehabilitation.

Renaturalization of streams in Bavaria (\$2 million/year).

Importance of storm water runoff control in eastern North America.

Consideration of stream channel, bank full channel, and flood channel in design of habitat improvement.

Lack of laws and regulations in S. Ontario to protect watersheds. The review process does not start before development.

One district biologist and his 2 assistants reviewed 3400 permit applications in a year!!!

The need for an "advocate" or "watershed coordinator" for the watershed approach. The multi-agency and partnership approach tends to reduce the priority of fisheries. Many people want other objectives in a watershed project other than fish to catch.

AWARDS COMMITTEE NEEDS VOLUNTEERS

The Awards Committee is seeking volunteers to help judge the Best Paper competition at our annual meeting. The quality of the papers is sure to be excellent, so it should be a pleasure for you to help out. Only a lucky few are needed. Please contact Gary Siesennop at the address or phone number listed on the inside front cover if you would like to help out.

The Secretary-Treasurer shall keep the official records of the Chapter, collect and be custodian of registration fees and any funds which may be allotted to the Chapter. The Secretary-Treasurer shall disburse funds as may be authorized by the Executive Committee or the membership, submit a record of receipts and disbursements at the annual Chapter meeting, and perform such duties as may be requested by the Executive Director of the American Fisheries Society and officers of the North Central Division.

Section 6 - Executive Committee

The Executive Committee of the Chapter shall consist of the elected officers, the immediate Past President, and three {change to four} additional members elected for one-year terms at the annual meeting. That portion of the committee consisting of the officers and Past President is authorized to act for the Chapter between meetings and to perform appropriate duties. The entire committee is authorized to act on initiative petitions, if requested. The decision of the committee is as binding on the Chapter as one voted in open meeting of the Chapter.

~~Six affirmative votes~~ {change to : A 75 percent majority vote} will be necessary for a decision to carry.

Section 7 - Chapter Committees

Ad Hoc Committees and the Chairman of Ad Hoc Committees, except as listed in Section 5, shall be appointed by the President.

The terms of office for members of Ad Hoc Chapter Committees shall end upon the discharge of the duties for which they were appointed, or at the next annual meeting of the Chapter, whichever comes first.

The following committees shall be designated as Chapter Standing Committees: Awards, Issues, Membership, Nominations and Resolutions. Standing Committee members and chairmen of Standing Committees shall be appointed by the President. The terms of office for members and chairmen of Standing Committees shall end at each annual meeting of the Chapter.

Chapter Standing Committees shall continue until a majority of those members attending the annual meeting vote to discontinue the Standing Committee(s).

Section 8 - Voting and Quorum

Decisions at meeting of the Chapter shall be in accordance with Article IV, Paragraph 4, of the Constitution of the American Fisheries Society.

A quorum at any meeting for the transaction of official business shall be fifteen Chapter members.

Action on a question which, in the opinion of the petitioners, cannot wait until the annual meeting may be initiated by a petition signed by 10 members of the Chapter. That petition shall be submitted to the Executive Committee for decision.

**REVISED 1990
MINNESOTA CHAPTER
AMERICAN FISHERIES SOCIETY
BYLAWS**

(Changes Approved at 1990 Annual Meeting in Pittsburgh)

Section 1 - Name and Description

The name of this organization shall be the Minnesota Chapter of the American Fisheries Society, herein after referred to as the Chapter.

The objectives of the Chapter shall be those of the American Fisheries Society as set forth in Article I of the Constitution, and to encourage the exchange of information by members of the Society residing within the State of Minnesota.

Section 2 - Membership

The membership of the Chapter shall be composed of those American Fisheries Society members in good standing and paying dues (to be set annually by the EXCOM) to the Minnesota Chapter.

Section 3 - Meetings

The Chapter shall hold at least one meeting annually at a time and place designated by the Executive Committee. The program shall be the responsibility of the Program Committee.

Section 4 - Officers

The officers of the Chapter shall consist of a President, President- Elect, and a Secretary-Treasurer.

Officers shall be elected at the annual meeting. The Secretary- Treasurer may hold office for a period longer than one year, but the term of the other officers shall be one year.

In case of a vacated position, the Executive Committee shall appoint a qualified replacement to fill an unexpired term.

In the event of a cancellation of an annual meeting, the officers and the members of any committees shall continue to serve until the next scheduled meeting.

Section 5 - Duties of Officers

The President of the Chapter shall preside at all meetings, serve as the Chairman of the Executive Committee, represent the Chapter on the North Central Division Executive Committee, and in the American Fisheries Society, and make appointments and perform other duties and functions as are authorized and necessary.

The President-Elect shall be Chairman of the Program Committee and shall assume the duties of the President if the latter is unable to act.

Section 9 - Registration

The Executive Committee may assess each registrant attending meetings of the Chapter a registration fee necessary to cover the costs of the meeting and Chapter activities. Collections shall be made by the Secretary-Treasurer or a representative appointed by that officer.

Section 10 - Amendments of the Bylaws

The Bylaws of the Chapter may be amended by a two-thirds majority approval of those members voting at the annual meeting, provided that prior notice of at least 30 days be given to the membership of the proposed change(s), said change(s) must be approved by the Executive Committee of the Society before taking effect.

Organized 1870 to Promote the Conservation, Development and Wise Utilization of the Fisheries



JOE G. DILLARD
President 1988-1990

CARL R. SULLIVAN
Executive Director

PAUL BROUHA
Deputy Director

June 25, 1990

Mr. Rodney B. Pierce
Secretary-Treasurer
Minnesota Chapter AFS
1201 East Highway #2
Grand Rapid, MN 55744

Dear Rod:

The Minnesota Chapter's generous contribution to the AFS Permanent Home Expansion Fund is gratefully acknowledged. We have encouraging word from a foundation that a challenge grant may indeed be possible and thus your gift would have a double impact.

As reported in my letter, a bronze plaque listing the names of \$1,000 (or larger) contributors will become a permanent wall fixture in the new office. We will pleased to add the Chapter's name to that list.

I am very encouraged by the early response to our appeal and look forward to sharing the reassuring news with the Society's leaders. Thank you once again for your continuing support of the activities and developments of your American Fisheries Society. If there are ways we can be more responsive to areas of special concern to the Chapter, please let me hear from you.

Sincerely,



Carl R. Sullivan
Executive Director

CRS/ymw

cc: AFS President Joe Dillard

MINUTES OF THE CHAPTER EXCOM, 16 OCTOBER 1990

Members in attendance: Brad Parsons, Cindy Tomcko, Gary Siesennop, Darryl Bathel, Tim Goeman, Jeff Gunderson, Dan Helwig, Ray Newman, Derek Ogle, Don Pereira, Tracy Close, Greg Busacker, and Rod Pierce.

Minutes from the May 30, 1990 EXCOM meeting in Hinckley were approved and income and expenditures since May 30 were reviewed. Current balance in the treasury is \$3990.21.

J. Gunderson and D. Bathel reviewed topics covered during the annual society meeting and EXCOM retreat. Some of their comments were that there will be an attempt to improve communications among different levels of the society, that chapters are not well represented at society EXCOM meetings, and a change in the society's name is once again being considered. The society committee for determining monetary value of fish is developing workshops and documentation for their methods. Our proposed changes to chapter bylaws were approved by the society.

President Busacker reported that activities since the last EXCOM meeting have included polling EXCOM members on name changes for the society, responding to a request from the North Central Division (NCD) for the chapter to market NCD publications, and sending the special regulations resolution to the NCD and parent society. The EXCOM approved expenses for the chapter meeting and officer nominations notice.

OLD BUSINESS

Special Regulations Resolution

G. Busacker received a recommendation that our special regulations resolution be modified for submission as a new NCD resolution since it is pertinent to other chapters in the division. The EXCOM modified the resolution to remove specific references to Minnesota and to broaden the wording "special regulations" to "regulation changes". Busacker will publish the

new NCD resolution in our chapter newsletter and SEND it to the NCD.

Collecting Permits

The issue is temporarily on hold because of a retirement at the DNR.

1990 Midwest Fish and Wildlife Conference

About 40 volunteers are needed as projectionists, door monitors, etc. Not many people have responded yet. Reduced fees will not be available for student help. G. Busacker will ask if the parent society booth needs volunteers.

Zebra Mussels and Exotics

A news release from the chapter about zebra mussels was sent out. Sea Grant and DNR Ecological Services will cooperate on temporary signs for boat landings. There is a fair amount of research activity on Eurasian watermilfoil but there is a gap on research into effects on fisheries.

Limiting EXCOM Member Terms

The EXCOM voted to discuss this issue again. The discussion reiterated that terms could be limited to two consecutive years, or terms could be lengthened and new members-at-large be brought in on a rotational basis. Is this even a significant enough issue to merit attention? A motion was passed to have D. Bathel draw up recommendations and bring them to the next EXCOM meeting.

Chapter Logo

There was considerable discussion about past president M. Vanderford's 20 July 1990 letter to the Dakota chapter about using the Minnesota chapter walleye logo. A motion was passed to have G. Busacker send the Dakota chapter a letter indicating it would be inappropriate for them to use the logo. A motion was passed to adopt the walleye drawing as our official chapter logo. Also accepted was a friendly amendment that we consult the artist, Diane Whiting, and obtain her permission for free use of the drawing. We currently have no legal rights to the drawing.

COMMITTEE REPORTS

Newsletter

B. Parsons will publish a newsletter on 4-5 November and the deadline for newsletter items will be 31 October. An additional newsletter will be published in mid December.

Nominating

C. Tomcko has a list of eight potential presidential candidates. R. Newman reiterated that ballots should not be available at the annual meeting. There was also some discussion about nominating procedures and the scope of the committee's authority. It was suggested that the committee chair collaborate with two other members.

Procedures Manual

A first draft will be ready for the winter EXCOM meeting. November 22 is the deadline for additional input from the EXCOM.

Continuing Education

After reviewing education questionnaires, a statistics workshop has been planned for 7-11 January. Information and registration materials will be published in the newsletter. A new continuing education questionnaire is also being planned.

Membership

T. Goeman has replaced G. Fandrei who is taking a two year leave of absence to work in Alaska. G. Busacker developed a post card to welcome new students and solicited comments about the card. Some comments were that the card be given to professors to pass out to students and that a returnable membership application card be attached to the welcome card. D. Pereira volunteered to install the card information on a Macintosh computer.

Awards

Award of excellence nominees were Rep. Willard Munger, Dr. Thomas Waters, Dr. James Underhill, and Dr. Donald Mount. The EXCOM voted to accept the committee's top choice. The recipient will be announced at the annual meeting and President

Busacker will contact the recipient before the meeting.

Rivers and Streams

There will be two symposia at the Midwest Fish and Wildlife Conference. R. Newman would like to step down from the chair position so we will be looking for a new chairperson.

Long Range Planning

T. Close, D. Schreiner, T. Goeman, and L. Parker prepared a draft long range plan based on the four main parent society goals. The committee asked for instructions on how to proceed beyond this point. A motion was adopted accepting the draft, and directing chairman Close to use solicited comments from members to modify (edit) the draft plan, and present the revised draft at a future EXCOM meeting.

Past Presidents

L. Eberly sent a questionnaire to 17 past presidents inquiring about their level of involvement with the chapter and asking if they would be willing to serve on a past presidents' committee. Nine of the ten who responded were willing to serve on the committee. This group should be able to provide meaningful comments on the procedures manual and the long range plan.

Issues

The draft long range plan suggests that opinions and other items for generating discussion be printed in the chapter newsletter. For example, an article submitted by J. McCormick about bringing together all biological sciences under one umbrella organization would be an item for the newsletter.

1991 ANNUAL MEETING

The call for papers has been mailed. The meeting will be at the Hudson House (Best Western) in Hudson, Wisconsin. Three special topics will be exotic species, tribal fisheries management, and fish contaminant advisories. The EXCOM meeting will be the night of 22 January. Raffle items will be solicited from members attending the October EXCOM meeting.

NEW BUSINESS

Transgenic Fish

D. Pereira discussed the potential for proactive chapter involvement in this issue, presenting memos from the Minnesota Transgenic Fish Group as background information. Discussion considered what the chapter should do in addition to the parent society actions. A motion was passed directing D. Pereira to draft a chapter position statement to present at the next EXCOM meeting and to be considered for presenting at the chapter annual meeting.

Environmental Trust Fund

T. Close reminded the EXCOM that a referendum for the environmental trust fund will be held during the November elections and asked if the chapter should support the fund with a news release. T. Goeman will prepare a news release and letter-to-the-editor. T. Close and G. Busacker volunteered to contact individual media personalities directly.

Respectfully submitted,
Rodney B. Pierce
Secretary/Treasurer

TREASURER'S REPORT OCTOBER EXCOM MEETING

Balance 5-30-90 \$5,071.62

RECEIPTS

Interest income	\$123.18
Dues	45.00
T-shirt and hat sales	41.00
Reimbursement from Ontario Chapter	<u>756.45</u>
	\$965.63

DISBURSEMENTS

Travel expenses	
President	\$500.00
President-elect	300.00
Postage	28.55
1990 Annual Meeting	168.49
AFS Home Expansion Fund	<u>1,050.00</u>
	\$2,047.04

Balance 10-16-90 \$3,990.21

PEOPLE, PLACES, AND THINGS

AFS Awards

Presented at the Parent Society Meeting

Award of Excellence - Joe Dillard reported on the posthumous presentation of this award to John Gulland who passed away in May. The award was presented to Dr. Gulland's widow in England.

Meritorious Service Award - Carl R. Sullivan.

AFS Excom Distinguished Service Awards - Robert Kendall and Fred Benkowski.

AFS Fisheries Administrators Section Award for Outstanding Wallop-Breux Project - Georgia Dept. of Natural Resources.

Best Paper in Transactions - Gordon H. Kruse and Albert V. Tyler.

Best Paper in North American Journal of Fisheries Management - Douglas B. Dey and David Damkaer.

Introduction into Fish Culture Hall of Fame - Bob Piper, Keen Buss, and "Jimmy" Edwin Camper.

Fish Culture Section Distinguished Service Award - Carl Sullivan was honored with this award which is only the third one given in 16 years. A plaque will hang in the Fish Culture Hall of Fame.

J. Frances Allen Scholarship - Lisa L. Williams.

AFS Award for Excellence in Education - Dr. William Leggett.

FROM THE WISCONSIN CHAPTER ROTENONE USE BANNED: MICHIGAN

Paul Seelbach, Michigan DNR, reports that an executive order by the governor of the state of Michigan recently banned all use of rotenone until further review.

The executive order was issued this past August after an accidental rotenone overkill

occurred during a survey of Michigan streams. Newspapers throughout Michigan widely reported this event within several days of its occurrence. Despite support for the stream sampling program from many Michigan conservation groups, the governor banned further use of rotenone until further review.

FROM THE MICHIGAN CHAPTER ZEBRA MUSSEL STUDIES BY ROBERT C. HAAS, MI DNR

The highly skewed geographical distribution of zebra mussels in Lake St. Clair, i.e., high density on the Canadian side and low density on the Michigan side, especially in Anchor Bay, has prompted us to initiate a study comparing growth and mortality rates. This project is part of a joint Lake St. Clair-Lake Erie research effort, involving the U.S. Fish and Wildlife Service (Ms. Jerrie Nichols); Oakland University (Dr. Doug Hunter); and the Ontario Ministry of Natural Resources (Mr. Joe Leach), to study zebra mussel dispersal and growth.

We are keeping zebra mussels in cages in Lake St. Clair near the Thames and Clinton river mouths. Growth measurements are taken on the same 150 individuals per site every two weeks. An additional 150 animals per site are being held for growth/mortality examination at the conclusion of the growth season. Our working hypothesis was that zebra mussel growth would be much more rapid at the Thames site, which has shown considerably higher nutrient levels. We felt that poorer growth conditions on the Michigan side might have limited their ability to effectively colonize our waters of Lake St. Clair. Preliminary findings show considerably faster growth at the Thames River, as anticipated. However, differences in larval settlement rates between the two areas also indicate that prevailing water current patterns may be having very significant effects on zebra mussel distribution in Lake St. Clair.

We are hoping to obtain funding for a graduate student study, to begin in 1991, on the impact of adult zebra mussels on native

benthic invertebrate populations, and the growth of fishes which rely on these items for food.

Paul Brouha will be the new AFS Executive Director when Carl Sullivan retires in February 1991.

URBAN STREAM MANAGEMENT

An urban stream management symposium with technical workshops will be held in Chicago during May 1-4, 1991. Earl Cummings will demonstrate California's Urban Stream Restoration Program with a restoration plan for a nearby urban stream. Technical presentations on the use of wetlands to restore urban streams and improve water quality will be presented by Don Hey of Wetland Creations, Inc. Field tours of Des Plaines River's Wetlands Research Area will be conducted by Wetlands Creation Inc. Robin Sotir of Soil Bio-Engineering will present methods of vegetative stream stabilization.

The symposium will stress citizen participation in the monitoring and restoration efforts of urban streams. Karen Firehock of the Izaak Walton League and Brook McDonald of the DuPage County Parks will document citizen stream monitoring programs at the local and national levels. Doug Moore of the University

of Wisconsin will present technical information on the use of photography (35 mm and video) to document stream monitoring and restoration efforts.

A workshop on creek censuses and angler diary surveys will be held by Dr. Malvestuto of fishery Information Management Systems so that angling pressure on urban streams can be documented. The symposium is sponsored by the North Central Division of the American Fisheries Society. Co-sponsors of the symposium are the U.S. Fish and Wildlife Service, the Illinois Department of Conservation, and the Illinois Department of Energy and Natural Resources.

Contact: Don Roseboom, ISWS, Box 697, Peoria, Illinois 61652

FROM FISHERIES MANAGEMENT SECTION NEWSLETTER

Idaho Fish and Game Commisioners are in court over special regulations lobbied by a special interest group which eliminate many anglers, and have no biological basis. Because there was no biological reason to limit fishing opportunity, the sportsmen filed an injunction on the regulation change and then a lawsuit. For more information, call Steve Huffacker (208) 334-3791.



Minnesota Chapter

American Fisheries Society

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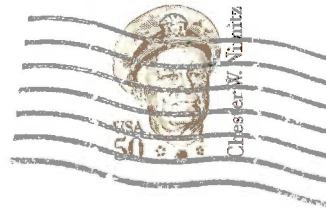
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