



RYBA

Newsletter of the Minnesota Chapter of the American Fisheries Society

Year 2004 No. 1 February Issue

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President's Message

by John Hiebert

The Minnesota Chapter has again received the North Central Division of AFS Most Active Chapter Award. It was presented at the 2003 Midwest Fish and Wildlife Conference in Kansas City. This is our third year in a row of winning this award and puts us in the running for the most active chapter award in the parent society. I would like to take a moment to thank all of you again for your hard work.

I also would like to take a moment to highlight the people whose work was singled out in the most active chapter nomination. Bruce Vondracek for his work in the

scholarship program and with Don Pereira for their work with FWLA. Shannon Fisher for his efforts in getting the state science fair award program up and running and in organizing the upcoming Shallow Lakes Forum. I would also like to thank Donna Dustin, Edie Evarts, Jerry Grant, Mike McInerney, Brian Nerbonne, Ginny Snarski and Jeff Weiss for volunteering to be judges at science fairs this year and everyone who volunteered to be mentors at the chapter meeting. Eric Altena for all of his hard work redesigning the chapter brochure and for organizing the AV at the last annual meeting and for volunteering to do it again this year. Tom Burri and Brian Borkholder for their tireless efforts at fundraising. We wouldn't be able to do all of the things we do without their efforts, so remember to buy lots of tickets this year at the raffle! Mike Duval, Phil Talmage and Ray Valley for continuing to provide high quality continuing education classes. Tracy Close and Eric Merten for all of their hard work in putting together the position paper on forest harvest practices near streams. I would also like to thank all current and past Hutton mentors for their willingness to help shape a student career. These are just a few of the things our members do to make our chapter relevant within the division, society and profession. I also would like to congratulate Brad Parsons, who was elected first vice president of the North Central Division. This gives Minnesotans control of the chapter, division and parent society and further illustrates how involved chapter members are at all levels of AFS.

The 2004 meeting is coming up on March 15th – 17th, at the Kelly Inn in St. Cloud. It is a joint meeting with the newly formed Minnesota Chapter of Conservation Biology. Loren has put together a great group of speakers and symposia and kept the meeting costs low (\$50 for pre-registration by February 15th, so send your registration in today!). Our annual meeting is a great opportunity to learn about what is new in the field, meet new colleagues and help develop our future leaders in natural resources by sharing what you know to our student attendees. A number of important objectives have been set for the meeting including deciding on the chapter's long range plan of action, voting on changes to the procedure manual, discussing changes in chapter dues, finding volunteers

RYBA editor: David Anderson
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Please direct comments or submissions to:
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The views and opinions expressed herein are not necessarily those of the Minnesota Chapter.

to become involved with FWLA, and voting on a new position paper, just to name a few. These discussions and decisions will help shape the future directions of the chapter and so I encourage all of you to attend and participate. One good way to participate at the annual meeting is by judging papers, so please let Missy Drake know if you would be willing to be a paper judge. We will also be soliciting nomination for next year's election at the upcoming annual meeting so please let Greg Busacker or myself know who would be good candidates for President, DNR and Federal EXCOM.

Finally, I would also like to take a moment and encourage all of you to become more active within AFS. Whether it is at the state, division or parent society level, it is a worthwhile experience. Someone asked me if I was looking forward to my term as president ending and a reduction in my role in AFS after a busy last two years. While I think many of you may be looking forward to this happening, I am not. I have truly enjoyed being involved in the chapter. It was a great learning experience. I found out how to put on a meeting, talked with legislators about issues important to the chapter and learned about the differences between a dictatorship and a presidency. I would encourage all of you, even those who have already served in a leadership role in the chapter, to continue to remain active. I know I plan to. Thanks again for the opportunity, it has been a pleasure serving you and the chapter and I will see you in St Cloud.

Officer Reports

President Elect Loren Miller

Loren's Annual Meeting program begins on page 10. Registration forms and other details can be found on the chapter website. Pre-register by February 15 for a reduced rate.

ExCom - Open By Andy Edwards

As I understand it, this will be my last submission to RYBA due to my exiting the Excom following the annual meeting. Good news—Last time you have to read my rambling. Bad news—I get one more shot.

First a few notes from the Midwest Fish and Wildlife Conference held in Kansas City, Missouri last December. A fair number of Minnesota members were in attendance, but as it turned out I was the only one currently on Excom. Voila! I got the honor of accepting the North Central Division's Most Active Chapter Award on our behalf. I will be bringing the plaque along to our annual meeting in March. Congratulations to everyone on your hard work and dedication that makes us eligible for these awards. I also attended the North Central Division business meeting held at the conference. One thing I picked up on was the existence of the Best Chapter Newsletter Award. Given our past success, this might be a goal to shoot for this year (remember, I'll be out of the loop!). Brad Parsons was elected as First Vice President for the Division, so congratulate him and ask him to buy you a beer at our meeting. There were no nominations this year for either the Fisheries Excellence or Meritorious Service awards. There have to be plenty of eligible folks out there, so put on your nominating hats. A couple of ideas to increase nominations were to automatically consider previous nominations that did not receive these awards and to get a running list of winners of other Chapter awards. The Kansas Chapter received a \$2500 Membership Incentive award for increasing their member's parent society membership level by 25%. Maybe another goal to shoot for? Finally, NCD would like to assist with issues that are too large to take on solely at the Chapter level. Perhaps this would be a good place to look with our concerns about riparian/lakeshore development and other issue papers.

Some of you may be familiar with two Federal grant programs managed by the USFWS—Landowner Incentive Program and State Wildlife Grants. In 2001 President Bush signed legislation that set aside funding for both of these programs and a smaller pot of money for Tribal Landowner Incentive Programs and Tribal Wildlife Grants. Awards for the state programs were handed out relatively quickly since the government already had similar funding packages and requirements in place. Politics and Federal red tape being what they are, it took until this January to finally get the tribal portion of the grants awarded. I'm pleased to say that Minnesota bands did very well. Fond du Lac received a total of \$436,576 for projects dealing with moose population dynamics (\$133,150), wild rice restoration (\$200,000), angler exploitation of walleye lakes (\$60,920), and sturgeon population studies in the upper St. Louis River (\$42,506). Grand Portage received \$84,911 for wetland and rice restoration work and another \$104,025 for assessment and rehabilitation of native at-risk species in Lake Superior and tributaries on the reservation. Leech Lake was awarded \$133,858 for rare, threatened, and endangered species habitat enhancement and wetland projects. They also received \$209,708 for wildlife habitat assessments for rare and culturally important species. Finally Red Lake was awarded \$247,007 for wildlife habitat preservation, enhancement, and maintenance.

That will wrap it up. It has been a pleasure serving with the others on Excom these two years. I look forward to seeing everyone in March. Have a safe trip to St. Cloud!

Committee Reports

Nominations

By Greg Busacker

Chapter Elections - Elections are now underway for Chapter President and two Excom seats (academic and open). All three races are unopposed, but it is still important that you cast your vote. Send your selections by March 8 to Greg Busacker (greg.busacker@dot.state.mn.us).

The candidates are: Tim Brastrup for President
Tom Howes, EXCOM Open
Julie Zimmerman, EXCOM Academic

Each of the candidates has written a brief biography – these can be found in the December 2003 issue of RYBA.

Continuing Education

By Ray Valley and Mike Duvall

Geostatistics Course Judged a Success! Dr. David Mulla from the University of Minnesota, Dept. of Soil, Water, and Climate took 35 students through an intense tour of applied geostatistics for fisheries on Jan. 15th 2004 at the U of MN. Most analyses and examples centered around how distance from adjacent samples influences distribution patterns of fish, zooplankton, and aquatic plants. In the computer lab, students were introduced to free geostatistical software and learned how to create interpolated maps and estimate prediction error in unsampled locations. Most students rated the class as above average and some rated it as excellent. Given the complexity and depth of the subject, some students noted they would have preferred a longer (perhaps one and a half days) course. The Parent society indicated interest in

featuring this course on its CE agenda prior to next year's (2005) meeting, so if you missed out, you may have another opportunity then.

Looking Ahead - Planning has begun for continuing education courses to be offered in 2004. Watch for CE announcements at the business meeting, in your email, and on the Chapter website. The continuing education survey compiled in late 2002 is beginning to look tired and this will be refreshed later this year. The survey served to guide CE offerings over the past year and will guide us through the end of this year. Now is a good time to assess your interests and continuing education needs in anticipation of the survey. Remember that continued growth makes us all more effective in our profession and is a critical piece of the AFS professional certification program. Stay tuned.

Fund Raising

By Tom Burri and Brian Borkholder

Annual Raffle! This year, more than in the past, vendors seem to be strapped with shrinking budgets. Donations have not been coming in as they have in previous years. The Fund Raising Committee is asking Chapter members to either solicit donations from local merchants, or consider making a donation themselves. Often, if a merchant knows the individual making the request, they are much more likely to donate. Individuals can donate anything, including craft items, hand-tied flies, beer, the finest of French wines, etc. Receipts will be mailed from the Chapter to both individual members and to area merchants.

At this year's annual raffle, the Chapter will be offering, among other items, a custom Mathew's MQ32 Solocam bow (bow is 29" draw and 60 lb peak, but Mathew's will custom it to fit the winner). If you are unable to attend the annual meeting, but wish to support the Chapter's efforts and have a chance at some really nice prizes, please contact Tom Burri (tom.burri@dnr.state.mn.us) or Brian Borkholder (brianborkholder@fdlrez.com) to arrange to take part in the annual raffle. Chances for the bow will be sold ahead of time.

The Chapter will be offering a one week vacation package at a cabin on Rainy Lake (see photos at right), complete with a half-day fishing excursion. The cabin visit can be used anytime during the summer or fall. So check with spouses and come ready to out-bid your co-workers! Again, if you have any questions regarding this vacation package, please contact Tom Burri (tom.burri@dnr.state.mn.us) or Brian Borkholder (brianborkholder@fdlrez.com). Thank you for supporting the Chapter's efforts. Without the annual raffle, the Chapter couldn't be as active as we are.



This cabin could be yours! (for a week)

(A list of generous donors can be found at the end of Loren's Meeting Program.)

Fish & Wildlife Legislative Alliance Update

By Don Pereira and Bruce Vondracek

The Fish & Wildlife Legislative Alliance (FWLA) recently announced the hiring of a new legislative director for the 2004 Minnesota legislative session. Judith Erickson, president of Conservation Strategies of Shafer, MN was named Director of Government Relations for the 18-year-old conservation group. Lance Ness, President of the FWLA said, "Judy brings a wealth of knowledge and experience of the legislative process. Legislators respect her, and her association with the Governors office and the DNR have made long lasting impressions on both for getting the job done. We are very pleased to have Judy representing the FWLA". "I'm looking forward to representing and working with the FWLA this legislative session," Erickson said, "I'm excited about helping the FWLA accomplish their goals." This would be the first time a woman has represented the FWLA. The FWLA represents hunting, fishing and trapping interests of Minnesota sportsmen and women. The priorities for the FWLA are funding issues (Wildlife Management Area (WMA) Acquisition & Permanent long-term funding , and support for the Conservation Reserve Enhancement Program or CREP). "Perhaps its about time for a woman to represent conservationists and sportsmen and women at the capitol. Many women participate in outdoor activities and Judy brings a great deal of respect for her past accomplishments in working with us on past issues" said Ness. Erickson has worked on natural resource issues before the Legislature and with the DNR for 18 years. During that time she has lead efforts on the establishment and extension of the Minnesota Environment and Natural Resources Trust Fund and the Minnesota River CREP, as well as numerous legislative and funding issues. Erickson incorporates media, grassroots communications and coalition building as a part of her legislative strategy. Erickson also manages the retail and marketing operations of the family apple orchard business, Pleasant Valley Orchard, Inc. She lives in Shafer, MN with her husband, Jim Birkholz and three children, Joe, Amelia and Sam Birkholz.

The FWLA will only focus on two or three main priorities, including short term funding (i.e. the bonding package in this session), and long term funding in the form of a dedicated portion of the sales tax. To facilitate communication, especially on other issues, Bruce and Don would like to set up a legislative action alert e-mail tree to inform members when the legislature brings forward an issue of concern. We could provide a link with an e-mail to help chapter members find contact information (preferably e-mail addresses; <http://www.leg.state.mn.us/>) for their local legislators. We could also post the issue on the website. In this way we could be much more agile in responding to issues of concern, rather than missing opportunities to help shape natural resource policy in the state. We may be more effective in getting our message across if the comments are coming from a private citizen rather than another "environmental group".

Though the session just started, there are already bills being introduced that address long term-funding. Senator Dallas Sams (D-Staples) has introduced a bill calling for 1/4% of the state sales tax for funding fish and wildlife management, state parks, trails and zoos, and water initiatives. Retired Senator Bob Lessard (D-International Falls) is holding a rally and would like to see a bill that would increase the sales tax by 3/16%. On the House side, Rep. Dennis Ozment (R-Rosemount) has called for similar legislation to Sen. Sams that would also provide sales tax dollars for other environmental issues, namely water, but to our knowledge he has not submitted a bill yet. There are also one or two other sales tax bills in the works, and the dynamics at this early stage of the session make it difficult to predict what will happen. "It's a political football" according to FWLA President Ness.

A number of groups are supporting a bill for accelerated acquisition of WMA lands. The Minnesota Conservation Federation, the Fish and Wildlife Legislative Alliance, The Nature Conservancy, Ducks Unlimited, Pheasants Forever, and many others are supporting this bill. [S.F. 1724](#) asks for \$20 million in bond funds for WMA acquisition. This bill differs from the Governor's proposal of \$12 million.

Due to budgetary limitations and reorganization, FWLA will only be able to support direct lobbying efforts for the main priorities (short and long term funding). However, member organizations such as MN AFS will be able to get late breaking information from Director Erickson and President Ness on other issues that may be smaller but still important to our organization. For example, at our Board meeting last night Don asked for and received consensus on identifying ATV legislation as such an issue. Since we anticipate legislation this year to attempt to both strengthen and weaken efforts to regulate ATV use on public lands (or wetlands on private property), Erickson and Ness will keep their eyes and ears open for any activity on this issue (e.g. see [S.F. 1776](#)). Don and Bruce will convey late breaking information on such issues through our web site and email notification to chapter members that may be interested in responding to such developments. On these minor issues, it will be up to our membership, with guidance from the EXCOM to pursue appropriate activities (e.g. testimony at a hearing, a written statement from MN AFS, or having members contact their local, elected officials). The details of this process have not been finalized nor approved by our EXCOM, so stay tuned because the session is underway and we will need to get this process up and running soon.

Students

By Anne Cooper

Students and their major professors are encouraged to attend the annual meeting in March. It's an excellent environment to meet with colleagues and become more involved in Chapter activities. The Chapter promotes student attendance through travel awards and reduced rates for the annual meeting. Register today!

Awards

By Melissa Drake

ATTENTION chapter members! Do you know someone who has gone above and beyond the call of duty to accomplish the Chapter's goals? Let that person know how much you appreciate their hard work by nominating him or her for a Special Recognition Award. What about someone who has made a life-long commitment to Minnesota's fisheries? Nominate him or her for the prestigious Award of Excellence. Have you or someone you know been a Minnesota Chapter member for at least 25 years? If so, please let us know. Members who have made a long-term commitment to the Chapter deserve recognition. There are a lot of people out there working hard to make the world a better place for fish - don't let their efforts go unnoticed!

ATTENTION students! Do you want to learn how to give a better presentation or put together a better poster? If so, volunteer to judge papers or posters at the upcoming Chapter meeting. It is a great learning experience. Plus, it's a great way to get involved.

To nominate that special someone for an award, to let us know who has been a member for at least 25 years, or to volunteer to judge papers or posters please contact Melissa Drake at 651-772-7966 or melissa.drake@dnr.state.mn.us.

Criteria & Procedure for nominating someone for an award

The **Special Recognitions Awards** can only be given to Chapter members (Appendix C of Procedures Manual). It is given in recognition of special service to the Chapter, such as outgoing officers or committee chairs or members who provide a special service to the Chapter. Chapter members who

contribute to advancement of the goals of the Chapter through their participation in resource related projects are also eligible for Special Recognition Awards.

Each Special Recognition Award nomination must include (Procedures Manual Appendix C-4):

1. The name, address, email, and phone number of the nominator.
2. The name, address, email, and phone number of the nominee.
3. The nominee's current position.
4. A short statement of why the nomination is being made. If the nomination is to recognize service to the Chapter, the service provided must be described. If the nomination is for a special project, the nature of the project and the nominee's role must be described.
5. Although not required, supporting materials and names of other people familiar with the nominee's accomplishments may provide useful information for determining award eligibility.

The **Award of Excellence** may be presented to any individual or group, regardless of membership in the AFS, in recognition of years of dedicated service to the fishery profession or in recognition of an outstanding effort to further the goals of the AFS and the Chapter. The purpose of the Award of Excellence is to recognize outstanding efforts of persons or groups to preserve, promote, or improve fish populations, fish habitat, or the field of fishery science. This Award it recognize extraordinary service above and beyond the call of duty.

The criteria on which the award is based include the following:

1. Is the accomplishment or professional service truly above and beyond the call of duty?
2. What is the extent of the impact the nominee has had?
3. Is the impact exceptional, given the position and location of the individual?
4. How well do the accomplishments of the nominee match the goals of the AFS and the Chapter?

Each Award of Excellence nomination must include (Procedures Manual Appendix C-4):

1. The name, address, email, and phone number of the nominator.
2. The name, address, email, and phone number of the nominee.
3. The nominee's current position.
4. Nomination statement - indicate how and why the nominee is worthy of the award. Describe the impact or significant contribution the individual has made. One or two typed pages.
5. Support documentation - other material may be included to document the nominee defense.
6. List the name, title, address, and telephone number of two other people who are familiar with the nominee's accomplishments.

Website and Newsletter

By Dave Anderson

Details about next month's annual meeting will be posted to the website as they become available. While you're there, please take time to review the draft position paper on forest harvest, authored by Tracy Close and Eric Merten. Assuming a draft is approved by the Excom, the Chapter membership will vote on whether to approve the paper at our business meeting in March.

As Don and Bruce noted in their column on FWLA issues, we plan to add a "legislative alerts" page to the Chapter website soon. We will also create a mailing list for those of you who would prefer to receive the alerts by e-mail.

Of Interest

2004 Carl R. Sullivan Fishery Conservation Award

Nominations are solicited for the 2004 Carl Sullivan Fishery Conservation Award. This award is presented annually by the American Fisheries Society (AFS) to an individual or organization, professional or nonprofessional, for outstanding contributions to the conservation of fishery resources. Eligibility is not restricted to AFS members, and accomplishments may include political, legal, educational, scientific, and managerial successes. Nominations should include the name and contact information for the nominee (and for the nominator); a synopsis of fishery conservation contributions; a description of the influence of those contributions on improved understanding, management, or use of fishery resources; and at least one additional supporting letter. More than one supporting letter is useful to help demonstrate the breadth or depth of impact.

Specific Criteria:

- (1) The recipient must have made a substantial conservation contribution with a high probability of focusing the attention of the fisheries community on the continuing need to use our aquatic resources wisely. The contribution may be single or life-long, focused on broad, site-specific, or geographically extensive accomplishments.
- (2) The recipient's contribution will likely become widely known in the aquatic science community because it will effect substantive beneficial changes in the understanding and management or use of fishery resources.
- (3) The recipient's contribution may be in any area of aquatic conservation including management, education, public service, research, or leadership that effects a positive change benefiting fishery resources. Receipt Deadline for Nominations: 23 April 2004

Submit Nominations to: Dr. Barbara Knuth, bak3@cornell.edu (electronic applications preferred).
Additional contact information: Dr. Knuth, Department of Natural Resources, 118 Fernow Hall,
Cornell University, Ithaca, NY 14853, USA; 607-255-2822.

Sturgeon Society Formed

Dear North American Sturgeon Colleagues,

The World Sturgeon Conservation Society is now a reality. On behalf of the WSCS Board of Directors, I invite you to become a member of the WSCS and help further the advancement of research and management of Acipenseriformes worldwide.

As you may recall, the participants of the 4th International Symposium on Sturgeon (held in Oshkosh, WI in July 2001) overwhelmingly endorsed the creation of a world sturgeon society, and after much work and discussion the WSCS was registered as an international non-profit organization this year. The Society intends to act as an international forum of scientific discussion for all those interested in pertinent issues on sturgeons while at the same time seeking for opportunities for close cooperation at international level.

Please visit the WSCS website at www.wscs.info to get further information on organization objectives, membership benefits, and a membership form. I encourage you to become a member today.

Yours,
Ron Bruch
WSCS Treasurer

Upcoming Events

**The 37th Annual Meeting of the
Minnesota Chapter of the American Fisheries Society**
St. Cloud, Minnesota
March 15 -17, 2004

Joint Meeting with the
Minnesota Chapter of the Society for Conservation Biology

4th World Fisheries Congress
Vancouver, BC CANADA
May 2 - 6, 2004

American Fisheries Society Annual Meeting
Madison, Wisconsin
August 21 – 26, 2004

Wild Trout VIII Symposium
Yellowstone National Park
September 20 - 22, 2004

details available at www.wildtrout8.com

Meeting Program

Joint Annual Meeting of the Minnesota Chapters of the American Fisheries Society and the Society for Conservation Biology

March 15-17, 2004 - Kelly Inn, St. Cloud, Minnesota

Monday, March 15

- 3:00 p.m. - Check-in at Hotel – Kelly Inn
- 5:30 – 7:00 p.m. MNAFS Executive Committee Meeting
- 5:00 – 8:00 p.m. MNAFS Meeting Registration
- 7:00 – 9:00 p.m. Poster set up – University A
- 7:00 – 11:00 p.m. Evening Social with beer, snacks and raffle – University A/poolside

Tuesday, March 16

- 7:00 – 10:00 a.m. Meeting Registration
- 8:00 – 10:00 a.m. Poster set up – University A

Plenary Session – Grand Ballroom

- 08:15 – 08:30 a.m. Welcome – MNAFS President John Hiebert, MNSCB President Mike Rentz
- 08:30 – 08:45 a.m. Welcome - AFS Parent Society President Ira Adelman
- 08:45 – 09:45 a.m. Anne Kapuscinski, Dept. Fisheries, Wildlife & Conservation Biology, UMN
- 09:45 – 10:00 a.m. Break

Joint Session – Grand Ballroom

- 10:00 – 10:20 a.m. A linkage between fishing practice and forest plant diversity: invasive earthworms – A Holdsworth – University of Minnesota
- 10:20 – 10:40 a.m. Blue catfish and channel catfish are suitable hosts for the endangered winged mapleleaf mussel – M Hove – University of Minnesota
- 10:40 – 11:00 a.m. Factors influencing the success of herbivorous insects for biological control of Eurasian milfoil – R Newman and D Ward – University of Minnesota
- 11:00 – 11:20 a.m. Walleyes vs. Waterfowl: Can't we all just get along? – M Ward, D Willis, B Herwig, K Zimmer, A Pothoff, M Butler, M Hanson, B Parsons and J Reed – MNDNR (Ward)
- 11:20 – 11:40 p.m. Lake Vermilion Citizen Based Shoreland Inventory – R. Schoolderman -Arrowhead Regional Development Commission - D Williams – MNDNR
- 11:40 – 12:00 p.m. Minnesota landowners and coldwater stream management: What influences conservation behaviors? M Payton and D Fulton – University of Minnesota
- 12:00 – 1:00 p.m. **Lunch poolside (provided)**

1:00 – 2:00 p.m. Chapter Planning Sessions

MNAFS – Congress/Senate

MNSCB – State Room

2:00 – 2:20 p.m. Break

Concurrent Session 1A – Senate/Congress

- 2:20 – 2:40 p.m. Effects of estrogenic compounds on walleye, *Sander Vitreum*, near the Metropolitan Sewage Treatment Plant, Saint Paul, Minnesota – J Bacigalupi, J Levitt, H Schoenfuss, D Swackhamer and I Adelman – MNDNR/University of Minnesota (Bacigalupi)
- 2:40 – 3:00 p.m. Fish total length measurement error from recreational anglers: causes and contribution to noncompliance for the Mille Lacs walleye fishery – K Page, G Grant, P Radomski, T Jones and R Bruesewitz - MNDNR
- 3:00 – 3:20 p.m. Population dynamics of lake trout in western Lake Superior – L Corradin, M Hansen – Stevens Point - D Schreiner - MNDNR
- 3:20 – 3:40 p.m. Catch and harvest by fishing guides compared to other anglers in five central Minnesota lakes – M Knapp and T Goeman - MNDNR
- 3:40 – 4:00 p.m. Circle hooks and walleye: savings through inefficiency – T Jones - MNDNR
- 4:00 – 4:20 p.m. Trends in abundance and mean size of fish captured in gill nets from Minnesota lakes, 1983-1997 – G. Grant, Y Schwartz, S Weisberg and D Schupp – MNDNR (Grant)

Concurrent Session 1B – State Room

- 2:20 – 2:40 p.m. Public participation techniques for water resource management – D Lynch – Lynch Associates
- 2:40 – 3:00 p.m. Is good science a key to citizen empowerment? – J Frost-Nerbonne and K Nelson – Higher Education Consortium for Urban Affairs (Frost-Nerbonne)
- 3:00 – 3:20 p.m. The role of social capital and scientific knowledge in watershed protection efforts – R Schreiber, K Marshall and J Frost-Nerbonne – St John’s University (Schreiber) – Hamline University (Marshall)
- 3:20 – 3:40 p.m. The challenge of democratic wolf management: participant demands and policy alternatives in Minnesota – K Byrd - University of Minnesota
- 3:40 – 4:00 p.m. Efficient biodiversity loss – J Rosales – University of Minnesota
- 4:00 – 4:20 p.m. He said, she said: gender and angling motivations, ethics and behaviors - S Schroeder and D Fulton – University of Minnesota

2:00 - ? **MNAFS Rivers and Streams Committee Meeting** – University A**4:30 – 5:30 p.m. Business Meetings**

MNAFS Annual Business Meeting – Congress/Senate

MNSCB Annual Business Meeting – State Room

Poster Session with Authors – Beer and Snacks - University A

5:30 (or end of business meetings) – 7:30 p.m.

7:30 – 9:30 p.m. Banquet – Grand Ballroom

Guest Speaker: Dr Tom Waters – Professor Emeritus – Dept. Fisheries, Wildlife and Conservation Biology, University of Minnesota

9:30 – ? p.m. **Raffle (and finish off any extra beer/snacks)**

Wednesday March 17

Concurrent Session 2A – Symposium: Fish Biology and Ecology – Senate/Congress Moderator – Peter Sorensen

08:00 – 10:00 a.m. Presentation order to be determined

An Overview of the Orangethroat Darter Species Complex - P Ceas – St. Olaf College
 What We Know and What We Don't Know About Native Lampreys – P Cochran – St. Mary's U
 Status and Conservation of the Endangered Topeka Shiner in Minnesota – J Hatch – Univ. Minnesota
 Diel vertical migration of planktivorous fish in Lake Superior – T Hrabik – Univ. Minnesota–Duluth
 Neural telemetry from free-swimming fish – A Mensinger - Univ. Minnesota–Duluth
 Fish Ecology in the Coldwater Streams of Southeastern Minnesota – N Mundahl – Winona State
 Waterfall Climbing by Hawaiian Gobies: Factors Affecting Climbing Performance – H Schoenfuss – St. Cloud State
 Hormones, pheromones, and fish behavior – P Sorensen – Univ. Minnesota
 Population Genetics and History of Minnesota Darters (Percidae) – J Porterfield – St. Olaf College

Concurrent Session 2B – State Room

08:00 – 08:20 a.m. Geospatial spring characteristics in southeast Minnesota – Williams and B Vondracek – University of Minnesota
 08:20 – 08:40 a.m. Population dynamics of the Endangered Karner Blue Butterfly at Ft. McCoy, WI – M Savanick and D Andow – University of Minnesota
 08:40 – 09:00 a.m. The effects of eastern red cedar (*Juniperous virginiana*) invasion on the dry bluff prairie system – A Pierce - MNDNR
 09:00 – 09:20 a.m. Individual identification using DNA microsatellites: Are data from different labs comparable? – K Timmerman – University of Minnesota
 09:20 – 09:40 a.m. Piping plover recovery in the Great Lakes 1985-2003: A progress report – J Stucker and F Cuthbert - University of Minnesota
 09:40 – 10:00 a.m. Density and biomass of native northern pike populations in relation to basin characteristics of North-central Minnesota lakes – R Pierce and C Tomcko - MNDNR

10:00 – 10:20 Break

Concurrent Session 3A – Senate/Congress

10:20 – 10:40 a.m. Effects of a largemouth bass no-harvest regulation on the largemouth bass and bluegill fisheries in two class 24 lakes – S Shroyer, F Bandow and D Logsdon - MNDNR
 10:40 – 11:00 a.m. Hooking mortality of walleye at Mille Lacs Lake, Minnesota - K Reeves and R Bruesewitz - MNDNR
 11:00 – 11:20 a.m. Comparison of Virtual Population Analysis and Statistical Kill-at-age Analysis for a recreational kill-dominated fishery - P Radomski – MNDNR -T Quinn – Juneau Center - R Bence – Michigan State University
 11:20 – 11:40 a.m. Acoustic telemetry survey techniques for estimating mortality – B Long and G Spangler – University of Minnesota
 11:40 – 12:00 p.m. The effect of a “no-kill” regulation for largemouth bass in two northern Minnesota lakes – C Shavlik and H Fierstine - MNDNR

Concurrent Session 3B – State Room

- 10:20 – 10:40 a.m. Relative effects of trout density and abiotic factors on growth of age-0 brown trout in southeast Minnesota streams – D Dieterman, T Marwitz, C Anderson and B Thorn - MNDNR
- 10:40 – 11:00 a.m. Using site-specific correlations for predicting trout abundance from single-pass electrofishing – E Merten - MNDNR
- 11:00 – 11:20 a.m. Evaluation of walleye spawning habitat improvement in two Minnesota streams – D Dustin - MNDNR
- 11:20 – 11:40 p.m. Stream enclosure effects on drifting invertebrates and fish growth: Do enclosure experiments produce biased results? J Zimmerman and B Vondracek – University of Minnesota
- 11:40 – 12:00 p.m. Stream rehabilitation and the intuition trap – B Thorn - MNDNR

12:00 p.m. Awards and Adjourn – Drive home safely and see you next year!

Posters

- Alternative Reproductive Behaviors by the American Brook Lamprey (*Lampetra appendix*) in a Minnesota Stream – D Bloom – St. Mary's University
- The importance of geothermal input and canopy cover on the diatom community composition in neotropical streams, Costa Rica – B Carlson – St. Olaf College – R Bixby – University of Georgia
- An Assessment of the Use of Newspaper Accounts as Sources of Historical Information about Lake Sturgeon (*Acipenser fulvescens*) – P Cochran and S Kraszewski – St. Mary's University
- Chemical fractionation demonstrates that the sea lamprey migratory pheromone is comprised of several bile acid-like compounds – J Fine and P Sorensen – University
- Changes in the Distribution and Status of Minnesota's Native Fishes – J Hatch – Univ. Minnesota – K Schmidt and Proulx - MNDNR
- Waterborne estrogens found in St. Paul sewage effluent suppress competitive behavior and reproductive success of male fathead minnows – D Martinovic, B Hogarth, and P Sorensen – University of Minnesota
- Evaluation of walleye harvest regulations using head collection methodology – B McKibbin - MNDNR
- Diet, Age, and Length Frequency of Largemouth Bass (*Micropterus salmoides*) in a Small Lake in Southeastern Minnesota – G Petraitis – St. Mary's University
- Defining chemically mediated search behavior to pheromones and food so that these cues might be employed in invasive species control – M Sherman and P Sorensen – University of Minnesota
- Development and Validation of a Benthic Index of Biotic Integrity (B-IBI) for Streams in Southeastern Minnesota – E Wittman and N Mundahl – Winona State University
- "Healthy Rivers: A Water Course": a demonstration of a new interactive CD-ROM program exploring the ecology and management of river systems "Healthy Rivers: A Water Course": a demonstration of a new interactive CD-ROM program exploring the ecology and management of river systems – MNDNR Ecological Services
- Host Fish for the Snuffbox Mussel (*Epioblasma triquetra*) – M Ledford – Breck School – Mark Hove – University of Minnesota
- Host fish for the Round Pigtoe Mussel – M Marzec - Breck School – Mark Hove – University of Minnesota
- By land and water they go: A survey of aquatic snails in the system. – Karn and Strong
- Using GIS to optimize conservation benefits for Topeka shiners and landowners - Hopper
- Policy implications of wildlife conservation through agricultural land retirement programs - Patterson
- Coordination of Coaster Brook Trout Rehabilitation Efforts - J Schuldt, E Iwachewski, D Schreiner, K Cullis, R Mackereth, C Huckins, M. Jennings, and C Wilson – MNDNR (Schreiner)

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