



LATERAL LINES

VOLUME 18, NO. 1 December, 2001

2002?

THE NEWSLETTER OF THE IOWA CHAPTER OF THE AMERICAN FISHERIES SOCIETY

President's Corner

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PAST PRESIDENT & MEMBERSHIP CHAIR

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Brighton, IA 52540
319/694-2430; FAX 319/694-2309

Hello and Goodbye! At first I thought I was trapped in the President's Corner, but as it turned out there was an escape route. I'm sure you have all heard my news by now, but if not - I am in the process of setting a new Iowa Chapter record for the shortest term served as president. Serving as president-elect was outstanding, but the remainder of my presidential term promises to be even better...walleyes on Rainy, perch on Winnie, crappies on Upper Red, muskies on Leech, pike on Lake of the Woods...

On a more serious note, I want to fill you in on what the Iowa Chapter and I have been up to lately. By the time you read this, I will have started a new job with the Minnesota DNR. I will be located at the Bemidji Area Fisheries Office and working in the Large Lake Monitoring Program on Cass and Upper Red lakes. One particular challenge I am looking forward to will be working on the Red Lake walleye recovery project.

During my short presidency, I have been involved in planning a number of events for the Iowa Chapter in the coming months. First and foremost is the booth at the Midwest Fish and Wildlife Conference. Many of you graciously volunteered your time to help staff the booth to sell raffle tickets, t-shirts, and books. In January, there will be a continuing education workshop that promises to be one of the best ever (see course description elsewhere in the newsletter). In February, a joint annual meeting will be held with the Illinois Chapter - I'm sure this meeting will be informative and enjoyable.

Unfortunately, I will be missing out on all of this (I really was looking forward to it). Thankfully, Mike Steuck, President-Elect, will be assuming the duties of President in my absence, and Kevin Hanson has generously volunteered to help with arrangements for the annual meeting. With these two go-getters in charge, I predict that my absence won't even be noticed.

Now just a word of encouragement for you, the membership. The Iowa Chapter is small, compared to most other chapters. But you shouldn't let that stand in the way of being an active and ambitious chapter. Especially you younger members - the old guys have done all this stuff at least once and they need to rest. You young folks will be the old guys before you know it, so take your turns now, like Steuck and Hanson!

And remember, don't worry about over-committing yourself - it'll all work out in the end! Take care, and maybe I'll see you up north. Uff-da!

Andy Thompson

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2002 Iowa - Illinois Joint AFS Are You Ready for Moline?

Are your bags packed and ready for our joint meeting with Illinois AFS chapter February 19-21, 2002? If they are, you've got bigger problems than trying to remember the what, where and when's of this year's annual meeting. But just so you will be ready when the time comes, here's the stats for this year's event:

What: Joint meeting of Iowa AFS and Illinois AFS Chapters

Where: Airport Holiday Inn, Moline, Illinois.

When: February, 19 - 21, 2002

REGISTER NOW! On pages 5 and 6 of this newsletter you will find a registration form for this year's annual meeting. Just fill it out, slap a stamp on it and drop it in the mail. It's that easy!

Welcome New Iowa AFS Officers!

Some of you may want to get a separate piece of paper so you can keep track of all the changes in the Iowa Chapter Executive Committee over the last couple of months. First of all we would like to congratulate our new **President - Elect Mike Steuck** and **Secretary/Treasurer Greg Gelwicks**. Thanks go out to Chris Clouse and Vance Polton for giving these two a good run for their money in the election.

On a sad note we must say good bye to our President **Andy Thompson** who's leaving us for the snowy north. We wish him the best of luck in his new position with the Minnesota DNR. We should also take time to thank **Past President Don Kline** for all his hard work over the past two years.

Now comes the tricky part. With Andy's departure **Mike Steuck** will become **President** for the remainder of Andy's term (they don't call Mike "rocket man" for nothing) and he will serve out his term in 2002-2003. Past Secretary/Treasurer **Kevin Hanson** will fill in as **President - Elect** until after the elections at our annual meeting in February.

In addition we would like to welcome **Tom Gengerke** as our new **Nominations Committee Chairperson**.

LAST CALL FOR PAPERS!!

We are now accepting titles and abstracts for this year's Iowa AFS chapter meeting. Anyone who wishes to speak at this meeting is urged to contact Mike Steuck as soon as possible. Even if you just have an idea now, please get in contact with Mike so we can get you a place on the agenda.

Titles and abstracts may be submitted via e-mail, fax, or on a floppy disk. Files on floppy may be ASCII, Word or WordPerfect file format. Abstracts, including author and title lines, should be no more than 250 words. **Titles and abstracts should be sent to Mike Steuck.** You may telephone (563) 872-5495 to discuss the meeting or titles and abstracts.

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Newsletter of the Iowa Chapter of the American Fisheries Society Volume 18, Number 1

Committee Chairpersons

AuditMark Winn
MembershipDon Kline
Resolutions..... Marion Conover
REAP..... Dick McWilliams
Continuing Education..... Clay Pierce
Student Affairs Ryan Lane
Nominations..... Tom Gengerke
Best Paper Lannie Miller

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2002 Iowa Chapter American Fisheries Society Continuing Education Course

F.A.S.T. ~ F.A.S.T. ~ F.A.S.T. ~ F.A.S.T. ~ F.A.S.T.

Title: Using Fishery Analysis and Simulation Tools (FAST) to Evaluate Recreational Fisheries

Instructor: Jeff Slipke *Dept. of Fisheries and Allied Aquacultures, Auburn University*

Synopsis: The Fishery Analyses and Simulation Tools (FAST) software package provides a simple Windows-based computer program to simulate and evaluate the dynamics of exploited fish populations. The program includes a basic population dynamics toolkit, with modules for computing stock density, relative weight, growth, mortality and recruitment. Population dynamics are then simulated over user-specified time intervals, and a variety of harvest and management scenarios can be evaluated. Students will learn to use all aspects of FAST with hands-on activities using real fishery data.

For more information about FAST, go to <http://www.ag.auburn.edu/dept/faa/research/fast/fast.htm>.

Date/Time: Thursday, January 10, 2002 8:30AM - 5:00PM

Friday, January 11, 2002 8:30AM - noon

Place: Room 237 Science II, Iowa State University

Cost: \$35 (course fee) if you already have FAST software
\$100 (course fee + software) if you need FAST software

(checks: \$35 payable to Iowa Chapter AFS for course; \$65 payable to Auburn University for FAST software)

To Register Notify Clay Pierce by Friday, January 4, 2001 at the address below:

Iowa Cooperative Fish & Wildlife Research Unit
11 Science II, Iowa State University
(515) 294-3159, cpierce@iastate.edu

Lodging: Double-occupancy rooms available at ISU Memorial Union (515-292-1111) for \$52; tell receptionist you're with the American Fisheries Society

Limit: Enrollment limited to 20, first-come first-served

About the Instructor: Jeff Slipke is a Research Associate and a Ph.D. candidate in the Department of Fisheries and Allied Aquacultures at Auburn University. His research interests have focused primarily on population assessment and management of freshwater fish. Jeff received his BS from Iowa State University and his MS from South Dakota State University in fisheries biology. Jeff has published a number of peer-reviewed papers and has given presentations at fisheries meetings. Jeff has conducted several continuing education workshops on modeling using FAST.





THE IOWA CHAPTER AFS ELECTION BALLOT



There's gonna be a new sherrif in town... but before you get your lucky voting pen and lucky book of stamps out, you might want to learn about how this year's show down's going to take place. The Iowa Chapter of the American Fisheries Society is changing our election procedures for electing our new officers for the 2002 - 2003 term. In the past we have always elected officials through a mail in ballot that appeared in the newsletter during the summer with the new officers taking office after the National AFS Parent Society meeting in September. **From now on we will elect our new representatives at our annual meeting.** . These new officials will still assume the office after the national meeting in September. This is the same election procedure that most other AFS state chapters now use. The change will make it easier for more members to participate in the vote and it will give elected officers more time to prepare for their positions. Listed below are the candidates for this year's election. Look them over carefully and get ready to vote for your favorite choices at our joint meeting with Illinois AFS in Moline, February 19 - 21, 2002.

PRESIDENT-ELECT

Scott Gritters

Originally from Pella, Iowa, I graduated from Iowa State University in 1987 with a B.S degree in Fish and Wildlife Biology. Early in my career, I worked at such famous locations as Lake View, Bellevue, Decorah and Odessa, Iowa. I also took year-long stints in fisheries at Sedalia, Missouri and Price, Utah. Presently, I am the Fisheries Biologist at Guttenberg Iowa with a variety of tasks including northern pike culture, Mississippi River habitat development, public fish aquariums, freshwater mussel issues and commercial turtle harvest. I have been an AFS member since 1986. I was honored at being asked by Tom Gengerke to run for your president and appreciated the groveling that Tom displayed. As a recent survey by Chris Larson indicated, I am an avid angler. The stress of entering the presidential race (excuse) immediately sent me out fishing. On the water, I decided the best ideas I could offer our AFS members are a strong desire to promote angling in Iowa. I would like to see AFS as a springboard to educate our leaders how important outdoor activities are to Iowans, especially through these tough financial times. Bass were biting- thanks again Tom! 🐟

Donna Hanen Muhm

Donna Hanen Muhm received her Bachelor of Science degree from Iowa State University in Animal Ecology with a fisheries specialty. After working both fisheries research and fisheries management summer positions, she became a permanent employee of the Rathbun Fish Hatchery. After working for four years under three different hatchery managers, she became a Research Biologist with Berkley, Inc. in Spirit Lake. During her eleven years with this company she worked on a product development team using fish behavior to design Power Bait and other lures. She also did extensive research on *Aeromonas hydrophila* infections in largemouth bass. In the fall of 1999 she returned to work with the Iowa DNR as a biologist at the Spirit Lake Hatchery, where she remains today rearing walleye, northern pike, and muskellunge for Iowa's stocking programs. 🐟

Secretary/Treasurer (Currently Running Unopposed)

Greg Gelwicks

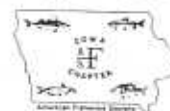
Originally from Normal, IL, I graduated from the University of Illinois in 1991 with a B.S degree in Ecology, Ethology, and Evolution. As an undergrad I worked at the Illinois Natural History Survey research station on Lake Shelbyville as a research technician. In 1991, I moved to Columbia, MO to attend graduate school at the University of Missouri. There I studied fish movements between the Missouri River and a constructed floodplain wetland. I earned my M.S. degree in Fisheries and Wildlife in 1995. While in Columbia I also worked for the Missouri Department of Conservation and the University of Missouri on several research projects on the Missouri River and smaller streams in Missouri. In 1999, I accepted my present position as Interior Rivers and Streams Research Biologist in Manchester. I have been a member of the AFS parent society since 1991 and the Iowa Chapter since 1999. I currently serve as the Iowa Chapter representative to the NCD Rivers and Streams Technical Committee. 🐟

REGISTRATION:

2002 Joint Iowa and Illinois American Fisheries Society Meeting



The Airport Holiday Inn
Moline, Illinois
Februaury 19 -21, 2002



Who's ready for a hot time on the ole Mississippi River? For this year's annual meeting we will be getting together with the folks from across the river. The Illinois chapter is a large and very active chapter and there will be a lot to look forward to at this year's meeting. The meeting is scheduled for February 19-21, 2002 at the Airport Holiday Inn in Moline, Illinois. Here's your chance to learn from and talk with fisheries professionals from across Iowa and Illinois. This promises to be a great event!

Time is running out to make hotel reservations! Call Now!

A block of rooms has been reserved at the Airport Holiday Inn, 6902 27th St., Moline, Illinois 61265 with a rate of \$55. The phone number is 309-762-8811. For more information contact Mike Steuck (563) 872-5495 or Greg Gelwicks (563) 927-3276.

Use this form to register. Send registration to Greg Gelwicks, ASAP.

(Address label on reverse side of this page)

Cost: registration & banquet	\$40	Students: banquet (optional)	\$20
chapter dues	\$ 5	chapter dues	\$ 5
Total	\$45		\$25

(Check One)

Registration money enclosed

(Payable to Iowa Chapter AFS)

I'll Pay at the meeting

I can't make the meeting but still want to be an Iowa Chapter Member

(\$5 check enclosed)

Name: _____

Affiliation: _____

Address: _____

City: _____ **State:** _____ **Zip:** _____

Phone: _____ **Fax:** _____

E-mail: _____

Joint Iowa and Illinois American Fisheries Society Meeting
Joint Conference of the Iowa and Illinois Chapters of the American Fisheries Society

February 19 - 21, 2002
Moline, Illinois

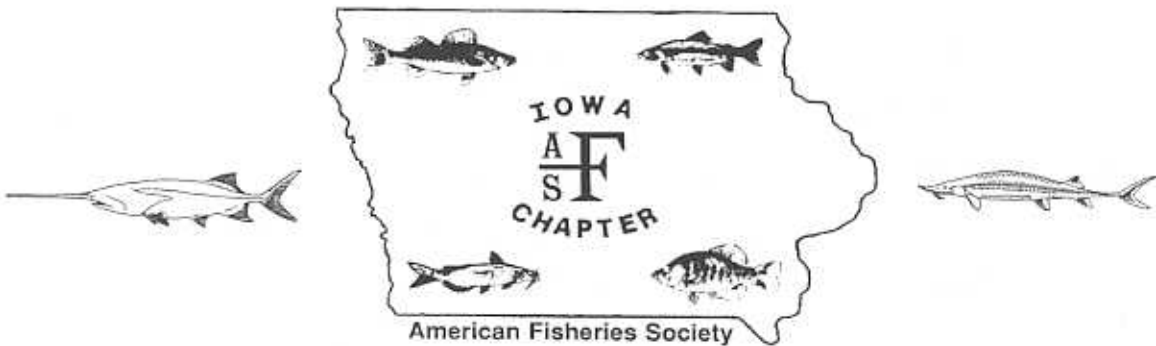


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Stamp

Greg Gelwicks
NE Regional Office - Manchester
22693 205th Avenue
Manchester, IA 52057

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Iowa Chapter of the American Fisheries Society Joint Meeting with the Iowa Wildlife Society
Minutes of the Annual Business Meeting January 19, 2001 Iowa State University, Ames, Iowa

The annual business meeting was called to order by **President Don Kline**. The meeting was attended by 47 members.

Approval of the 2000 business meeting minutes was requested by president Kline. The motion carried unanimously.

Financial Report - Secretary/Treasurer Kevin Hanson summarized the treasurers report and concluded a balance of \$7,823.90 as of 27 December 2000. Income was a combination of chapter dues, meeting registration from last years annual meeting, interest from the checking account and the GIS continuing education class. The financial report was approved by the auditing committee of Greg Simmons, Greg Gelwicks, Mike Birmingham and Brian Hayes.

Committee Reports

REAP - **Dick McWilliams** reported that the first REAP committee meeting would be held later that evening and he would know more after wards. As it stands now the DNR is asking for \$15 million and the governor is requesting between 12 - 12.5 million.

Continuing Education - **Clay Pierce** reported that our chapter will hold a course on **X-GOBI** data visualization on February 1st and 2nd, 2001. The course will be held at Iowa State University at the Science II building. There is space for 20 people, 10 are currently signed up.

Clay presented some possible future plans for continuing education: Stream habitat and rehabilitation; potentially an advanced GIS course; or a course on modeling using F.A.S.T or Fish Analysis. Some members voiced positive interest. Clay reported that he will check on the possibilities and get back to the group.

Membership - Past president **Dr. Robert Summerfelt** informed that membership this year was up. Membership is

normally 55 - 60, and secretary treasurer Kevin Hanson reported that as of the meeting 73 people were registered and registration could be as high as 85. Much of the credit for the increase can be given to the fact that the meeting was held on the ISU campus and many new students were joining.

Nominations - **Mark Flammang** congratulated the newly elected officers **President-Elect Andy Thompson** and **Secretary Treasurer Kevin Hanson**. Mark is seeking qualified individuals for nominations for the upcoming elections. Please contact Mark with the names of qualified individuals before he contacts you.

Education - Don Kline recommended that there may not be a need for an education committee. Don recommended dropping the committee. And forming an ad hoc committee if new issues came forward. Discussion followed and no motion was made.

Student Affairs - Committee Chair **Ryan Lane** reported that there was very good student participation and that many of them were taking advantage of the student - mentor opportunity set up by President Don Kline. There were several junior and senior students attending.

Resolutions - **Marion Conover** reported he has a no resolutions at this time. Don Kline reported that at the national meeting resolutions were becoming a thing of the past. Despite the lack of interest, it was decided to keep the committee per requirements of the by laws, and that Marion Conover would continue to serve as committee chair.

Best Paper - Steve Waters was not in attendance. Don Kline presented the best paper award to **Mike Steuck** for his talk on the LTRM program at last years' meeting. **Larry Mitzner** received the first award for best poster. Student participation

awards were given to **Dan Kirby**, **Jeremiah Heitke**, and **Jeremy Duerhe**.

Technical Committees - It was asked by president Kline that the designate to each committee of the North Central Division of the AFS give a report. Discussion followed as to who are the appointed designates and how are they appointed. The president originally appointed a representative and those people have supposedly continued to serve.

Walleye Tech - **Dick McWilliams** reported that he has a copy of the minutes from the last Walleye tech meeting. Members discussed who is appointed leader of tech. **John Pitlo** thought that **Tom Gengerke** was originally appointed but the matter was not solved.

Centrarchid - **Don Kline** reported that he is the state representative for the centrarchid committee and has gone faithfully to all meetings. He said that meetings are always held in Prairie Du Chien, Wis. and are not large meetings but more of round table discussions of state reps and this forum may remain unchanged. He noted that there will be a Centrarchid Symposium at the next Midwest Fish and Wildlife Conference and there may be an opportunity for Iowa researchers to present at that.

Rivers and Streams - **Greg Gelwicks** is the state rep and he reported that the rivers and stream meeting will be held in Rock Island Ill. This year's meeting will have a mini workshop on stream habit. The date of the meeting has been moved up to try to get more people to come. Greg offered to e-mail the minutes of the last meeting to rivers and streams committee members and that the minutes along with state chapter reports will be posted on the NCD website.

Esocidae - **Jim Christianson** reported that he and **Joe Larscheid** and **Donna Muhm** attended this year's meeting. Jim said that it surprised him that Wisconsin still struggles with stocking issues such as numbers of fish and size of fish and people problems. He felt that although Iowa had many fewer lakes, the state was competitive in stocking research.

Salmonid - **Dave Moeller** reported that **Bill Kalishek** is the state rep but not in attendance. Dave said that the salmonid tech is a small but active group that normally meets in the summertime. Last year they put on a trout stream work shop that looked at both the biological and human dimensions.

John Pitlo added that the **Walleye Technical** committee for the NCD had a **symposium** at last year's Midwest Fish and Wildlife Conference and that he and **Kay Hill** and **Joe Larscheid** presented papers and that the proceedings from that symposium were to be published possibly later this summer.

Old Business - first item was to get a report on the **Invasive Species Symposium**. **Mike Steuck** reported that the Iowa Chapter had donated money to the symposium and had received a letter of thanks. **Theresa Blackburn** attended the symposium and said that one of the items discussed was the formation of an Invasive Species Council composed of members from several different disciplines (i.e. fish, vegetation, wildlife, etc). Theresa reported that Aquatic Nuisance Species coordinator **Kim Bogenschutz** had volunteered to be Iowa's representative to that committee.

Iowa AFS pamphlet - **Joe Morris** reported on the progress of the informational pamphlet he had put together to encourage prospective members. Joe asked the members what their preference for producing the pamphlets would be.

2001 Iowa AFS Annual Business Meeting Minutes continued...

Printing 500 pamphlets would cost \$1 per pamphlet but the cost per pamphlet goes down the more copies you order. Joe also offered to create .pdf file and send it out to AFS members who could then print their own pamphlets much cheaper. Discussion followed and many members expressed interest in having the .pdf file sent out. Joe made a motion to send out the pamphlet on .pdf and have members print themselves. Motion passed. Discussion then turned to forming a small committee to edit the current pamphlet design. Don Kline, Lannie Miller and Mike Steuck volunteered to be on the committee. Joe said final edits should be done by the end of March.

Awards - The Past President Award was given to Dr. Robert Summerfelt. Don Kline thanked Dr. Summerfelt for his service and gave a special thanks to him for his help in setting up this year's meeting. **Past Secretary/Treasurer award** was given to Mike Steuck. Mike was thanked for his many years of service to the Iowa Chapter.

New Business - Don Kline asked if anyone was familiar with our commitment to the **Iowa Environmental Council**. Martin Konrad updated the group on the council. Saying that they have been very effective and continue to keep Martin informed. The ongoing sustainer membership for 2000 to the Iowa Environmental Council was \$100. Although our \$100 donation is small, it buys us a membership on the council. Mike Steuck made a motion to continue to donate \$100. The motion passed.

Chapter meeting for 2002 will be held in Moline, Illinois. We have a joint meeting with the Illinois chapter of AFS. The dates for the meeting will be Feb. 19 - 21, 2002. Currently nothing is set for 2003 or 2004. The North Central Division of AFS wants to have the 2004

NCD meeting along the Missouri River since it will mark the 200th anniversary of the Lewis & Clark expedition. No support was given to this idea from the members so the meeting will not be held. South Dakota may be interested in having a joint meeting in the future if it can be held in Sioux Falls.

Iowa will be the host for the **2001 Midwest Fish and Wildlife Conference**. The meeting will be held in Des Moines. The Iowa Chapter of AFS can have a table at the conference to hold a raffle. It was decided that we will have a booth the meeting.

Don Kline brought up discussions as to whether the **Iowa Chapter** wants to have a **web page**. Clay Pierce put in his support saying that students now are constantly using the web and rely on such web pages for information. Joe Morris brought up the question of web page maintenance. The group was asked whether they wanted to make a motion. There were no motions and no further discussion.

Fish Pocket Scientists. Members were asked if they wanted to reprint and begin selling again the Fish Pocket Scientist booklets. No motions were made and no further discussion.

Student expenses - Don Kline wished to discuss whether the chapter wants to review the current policy of student expenses at the annual meetings. No motions were made to change current policies.

Mentor Initiative - Don discussed the mentor initiative that he used for the meeting which was designed to introduce students to current AFS members. Current members would familiarize the new members with the Iowa Chapter. The initiative was well received and Don has gotten a lot of positive feedback. It is suggested that this practice is continued at future meetings.

Outreach - It was noted that **Mark Flammang** has produced a farm pond program in Power Point that is currently being used by the Natural Resource Conservation Service.

Awards - Don Kline asked if the chapter should consider nominating any members for **North Central Division awards**. **Chris Clouse** told the group that he had nominated past president **Dr. Summerfelt** for introduction into the **Fish Culture Hall of Fame** in Spearfish, South Dakota. Dr. Summerfelt will be inducted during a celebration in May. Dr. Summerfelt then noted that Dr. Ken Carlander had recently been inducted into the Fisheries Hall of Excellence in Nebraska.

Chapter dues were discussed by Don Kline as to whether we should change the \$5 membership. It was decided not to change the fee.

Archives - Don Kline then asked the group if we should begin a historical archives for the Iowa chapter of AFS. Many records are currently stored at the Rathbun hatchery. It was felt that we should start the process.

Kim Francisco made a suggestion to the chapter that individual members should **write to their legislators** in support of the hunting and fishing license increase bill currently up for debate in the Iowa House. It was decided that the chapter as a whole should also draft a letter.

Bruce Menzel informed the chapter that Iowa State University had recently implemented a **non-thesis master program** for those with Bachelors degrees that would emphasize course work rather than the thesis. The program requires 30 credit hours and many of the classes will be offered online through the **Distance Delivered Services**.

Vice President Andy Thompson introduced an item to see if the chapter would want to donate to an effort to reproduce a series of **North Central Division**

Reports on compact disc. Although there was not much discussion the general opinion was that we would be interested in donating in the future if this idea was implemented.

Tom Boland introduced the idea of setting up a **scholarship fund**. A motion was made to provide 2 scholarships in the amount of \$250 for a graduate and undergraduate student. Discussions began about how much work would be involved for review and rewarding of scholarships. Dr. Summerfelt said that **Iowa State Animal Ecology Department** has a scholarship committee that can do the work if the money goes to an Iowa State Student. Our chapter would write the specifications and the committee would select and reward the scholarship. Discussion continued.

Theresa Blackburn wanted to be noted as going on record that she opposed that the scholarship should go to an Iowa State student and not consider students from other Iowa colleges.

Tom Boland then amended his original motion to read that a **\$500 scholarship** should be awarded to and undergraduate student in fisheries and that the scholarship will be administered by the Iowa State Animal Ecology Scholarship committee. It will be specified that the money must go towards tuition.

Past President Award - The Past President Award was given to **Dick Mewilliams**.

Paul Sleeper mentioned that the **raffle ticket sales** were going well. Paul also mentioned that an appreciation award was given to **Jack Neuzil** for making the wooden fish puzzle that have made a lot of money for the chapter. Paul urged the chapter to bring more and better raffle/auction items in the future.

Meeting Adjournment - A motion was made by Mike Steuck to adjourn the meeting. There was no discussion and the motion passed unanimously.



Brain Teasers

Stuff you didn't need to know...

How to give a carp a hangover

Over-night mix bean-flower with a little honey, wet it with rectify'd spirits of wine, and a little oil of turpentine, make it up into little pellets, and such fish as nibble it, when thrown in, will be stupefied, so that in the morning coming to themselves a little, they will bite very eagerly, as being after their drunken fit, exceedingly hungry.

*Richard and Charles Bowker,
The Art of Angling, 1674*

Taken from *Fish Fishing and the Meaning of Life*, selected and introduced by Jeremy Paxman.

"Get the Net!"

Here's a list of interesting internet sites that you may want to check out. If you have come across web sites that you would like to share, please contact the newsletter editor.

American Fisheries Society - The website of the parent organization.
www.fisheries.org.

Iowa Environmental Council - Keep up to date with one of the most active groups fighting for Iowa's resources.
www.earthweshare.org

Iowa Fisherman Helpful Shortcuts - Links to weather information, lunar tables and other fishing info.
members.aol.com/BassRatter/shrotcuts.htm

Fish the River - Mississippi River fishing information, message boards, fishing tips and hotspots.
www.fishtheriver.com

IOWATER Volunteer Water Quality Monitoring - Get involved in monitoring water quality in Iowa. Everything you need to know.
www.iowater.net

The Nature Conservancy - Freshwater Initiative - Exciting new program for freshwater conservation.
www.freshwaters.org

Mussel Power

Match scientific name with the common name of these freshwater mussels

	Scientific Name		Common Name
1	<i>Megaloniaias gigantea</i>	A.	Monkey face
2	<i>Lampsilis ovata ventricosa</i>	B.	Pigtoe
3	<i>Tritogonia verrucosa</i>	C.	Elktoe
4	<i>Amblema plicata</i>	D.	Deertoe
5	<i>Obliquaria reflexa</i>	E.	Fawnfoot
6	<i>Truncilla donaciformis</i>	F.	Three horn
7	<i>Truncilla truncata</i>	G.	Three ridge
8	<i>Alasmidonta marginata</i>	H.	Pistolgrip
9	<i>Fusconaia flava</i>	I.	Pocketbook
10	<i>Quadrula metanerva</i>	J.	Washboard

Answers: 1 - j, 2 - i, 3 - h, 4 - g, 5 - f, 6 - e, 7 - d, 8 - c, 9 - b, 10 - a
1 correct - Weak; 2 - 3; You need to work out(side)
4 - 5 Clammed up 6 - 7 Mussel master
8 - 9 Mussel maniac; 10 Big Man on the Beach



Fishing Lines

Come warm weather, I'm going to take a kid fishing; I hope you do too. But nothing would make me happier than to look across the cove or down the stream and see a young one help and old one remember what it was like to be young in Springtime.

-Gene Hill, Feild & Stream

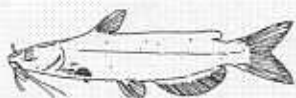
...don't wait until you retire to go fishing. Don't even wait until your annual vacation. Go at every opportunity. Things that appear more urgent may, in the long run, turn out to be far less so.

-Ted Trueblood, Feild & Stream

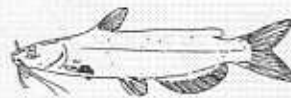
You can always tell a fisherman, but you can't tell him much.

-Corey Ford

Taken from *Wit & Wisdom of Fishing*, Publications International, LTD.



Meetings of Interest



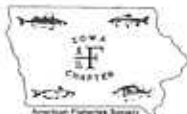
Jan 10,11, 2002 - Iowa AFS Continuing Education Course: **Using Fishery Analysis and Simulation Tools (FAST) to Evaluate Recreational Fisheries.** Iowa State University, Ames, Iowa. To register or for more information contact Clay Pierce (515) 294 - 3159, cpierce@iastate.edu

Jan 27-30, 2002 - **Aquaculture America 2002,** San Diego, CA. Contact 760/432-4270, for more information check out the website worldaqua@aol.com.

Feb 19-21, 2002 - **Iowa AFS Annual Meeting - Joint Meeting with Illinois AFS.** Airport Holiday Inn in Moline, IL. See page 5-6 of this newsletter for additional information. For more information contact Mike Steuck (563) 872-5495 or e-mail Michael.Steuck@dnr.state.ia.us

Aug. 18-22, 2002 **The 132th Annual Meeting of the AFS.** Baltimore Civic Center, Baltimore, Maryland. Contact Betsy Fritz; AFS; 5410 Grosvenor Lane, Suite 110; Bethesda, MD 20814-2199; 301/897-8616, ext. 212; FAX 301/897-8096 bfritz@fisheries.org.

The American Fisheries Society supports the conservation of North America's fisheries and aquatic ecosystems by promoting professional excellence in fisheries science, management, and education.



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