



Socioeconomics News

<http://www.fisheries.org/socioecon/>

Newsletter of the Socioeconomics Section of the American Fisheries Society

Fall 2004

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From the President's Desk

Greetings!

As I enter my third year as President of the Socioeconomics Section, I am glad to report that the Section is making slow but steady progress. At the recent AFS Annual Meeting in Madison we (1) presented the first Weithman Award for Best Student Paper, (2) sponsored a successful symposium, (3) sponsored a continuing education workshop, and (4) held a business meeting (more on all these below). Unfortunately, I missed these activities due to a new baby (Lyndsey), job (Appalachian State), and town (Boone, NC), in no particular order. We're working to continue our progress and I'm hoping to make the trip to the 2005 AFS Annual Meeting in Anchorage.

Chris Updike, a recent graduate of Northern Arizona University, presented the paper "Confronting Social Impediments to Adaptive Management: Lessons from the Grand Canyon Ecosystem" in Madison and was presented with the Weithman Award. Read his abstract elsewhere in this newsletter, and see his PowerPoint@ presentation on the Section's website (www.fisheries.org/socioecon/awards). Chris received a check for \$150 (one-half from the Section and one-half from the Missouri Chapter of AFS) and will receive a certificate. (Don't worry Chris, you'll get the certificate soon). Congratulations, Chris!

Plans are underway to encourage more applicants in the Weithman Award competition. For 2005, papers are not required, and we will be increasing publicity by alerting Presidents of AFS divisions and chapters to this

opportunity. See the call for papers elsewhere in this newsletter.

The Section teamed with the USDA Cooperative State Research, Education and Extension Service and NOAA National Sea Grant Office to sponsor a symposium in Madison entitled “**Socioeconomics and Extension: Empowering People in Fisheries Conversation.**” The symposium featured 10 papers focused on socioeconomics and 10 papers focused on extension. All reports indicate that the symposium was a total success.

Plans are underway to organize several symposia at the 2005 Annual Meeting in Anchorage. Potential topics were discussed in Madison (see the minutes), with organization of a general symposium underway. See the call for symposium papers elsewhere in this newsletter. (And please do the symposium organizer a big favor by distributing the call for papers to your own network, listservs, etc.)

Socioeconomics Section member Wayne Davis (Kentucky Department of Fish and Wildlife Resources) and other experts led a Section-sponsored continuing education workshop entitled “**Investigation and Valuation of Fish and Mussel Kills**” at the Madison meeting. (See Wayne’s report elsewhere in this newsletter). In addition, Wayne and Rob Southwick conducted the workshop for the Arizona-New Mexico Chapter in Silver City, NM on August 16-17, 2004. About 30 members of the AZ-NM Chapter participated in the workshop.

Wayne and Rob have plans to conduct the workshop for the Oklahoma AFS meeting in February, 2005, and the Section hopes to sponsor several more workshops this year (see the announcement elsewhere in this newsletter).

Peter Fricke did his usual, excellent job of being the heart and soul of the Section by leading the Section’s annual meeting, compiling the minutes

and presenting the Treasurer’s Report (see these elsewhere in the newsletter).

We all knew it had to happen but still can hardly believe it...Peter has announced that he is retiring from NOAA Fisheries some time in the medium future and that this will also end his tenure as Secretary/Treasurer of the Section during the 2005-06 year. This is a huge loss for the Section, but we are glad that Peter will be enjoying his retirement. And heads up -- we’ll be looking for a Secretary/Treasury to replace Peter!

Finally, don’t forget to renew your membership in AFS and the Socioeconomics Section for 2005!

John Whitehead
President

Call for Symposium Papers

The American Fisheries Society Socioeconomics Section is organizing a symposium for the 2005 AFS Annual Meeting in Anchorage, Alaska (Sept 11-15, 2005). The working title of the symposium is “Socioeconomics of West Coast/Pacific Recreational and Commercial Fisheries.” The specific focus of the symposium will depend on the interests of participants. If you would be interested in participating in this symposium by presenting a paper, please contact John Whitehead (whiteheadjc@appstate.edu) with a paper title and short abstract. Note: completed papers are not required at the AFS meetings.

Please note also that the Socioeconomics Section is not able to fund travel to this conference.

Thanks!

John Whitehead
President
AFS Socioeconomics Section

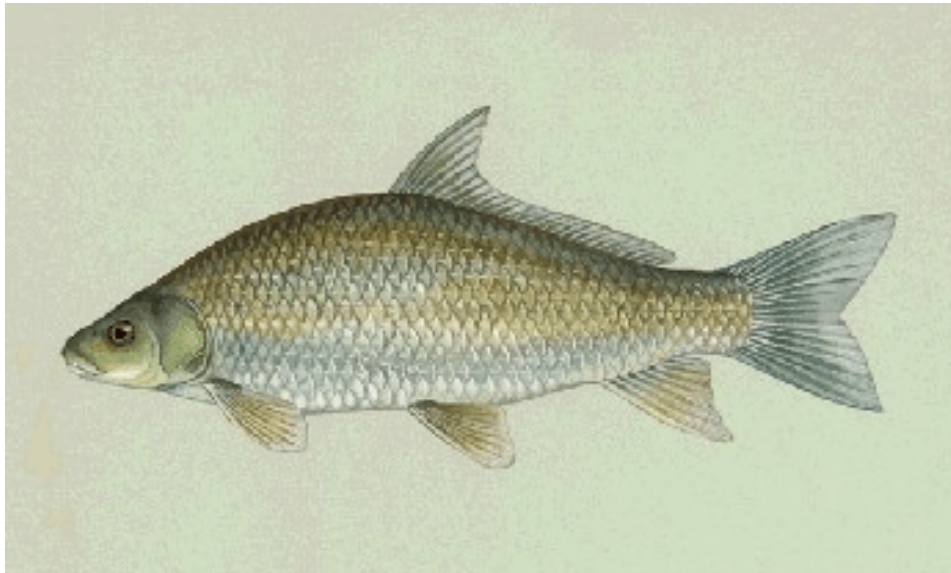
Congratulations to the 2004 Weithman Student Paper Award Winner!

Christopher N. Updike
Northern Arizona University

“Confronting Social Impediments to Adaptive Management: Lessons from the Grand Canyon Ecosystem”

Abstract. The construction of large-scale water management projects and the introduction of exotic fish have shifted ecosystem domains within the riverine environment of Grand Canyon. Since Glen Canyon Dam's (GCD) construction in the 1960's, social values have evolved to demand additional project purposes for dam management. The Adaptive Management Program (AMP) for GCD was created in 1996 by the Department of Interior in recognition of emergent social desires to extend multiple-use values to management on this reach of the Colorado. The AMP is to advise the Interior Secretary how to mitigate downstream dam impacts that compromise the integrity of Grand Canyon National Park and, pursuant to the Grand Canyon Protection Act of 1992, how to enhance the values for which the Park was established. The AMP, itself, is evidence of a shifting paradigm in water resource management. The new paradigm reshuffles the management process, creating a social dichotomy and transferring substantial economic rents to non-traditional stakeholders (environmental non-profits, recreation and Native Nations) at the expense of traditional stakeholders (water and power). Identified are two negative aspects this dichotomy adds to AMP decision-making. (i) Stakeholders are over reliant upon biological, technological and engineering methods of science so as to avoid addressing sociological aspects of the program, even though social choices may be needed to fulfill the intent of enabling legislation and regulation. (ii) Since current operations at GCD still degrade valuable biological, physical and culture resources, this dichotomy not only reduces management flexibility, but also threatens the ability to resurrect ecosystem resilience.

(To view Chris' PowerPoint presentation of this paper, please go to www.fisheries.org/socioecon/awards).



– *Smallmouth buffalo* (USFWS, Duane Raver)

2005 A. Stephen Weithman Award for Best Student Paper in the Field of Socioeconomics

Missouri Chapter of the AFS Socioeconomics Section of the AFS

The Missouri Chapter and the Socioeconomics Section of the AFS are proud to announce the 2005 A. Stephen Weithman Best Paper Award in Socioeconomics. These two subunits of AFS are cooperating to promote communication and interest in the field of socioeconomics by sponsoring an annual award for the best student paper in the field. The award will be presented for the best oral or poster presentation by a student at the annual AFS meeting. Presentations will be judged on content, originality, organization, contribution to the field of fisheries science, and overall presentation of the study. The award winner will be announced on the Socioeconomic Section's webpage (www.fisheries.org/socioecon) and receive \$150.00 and an award certificate following the annual AFS meeting.

This award was established in honor of Steve Weithman. He died 13 July 2000 in Columbia, Missouri, after a valiant five-month battle against pancreatic cancer. Steve was 47, and an AFS member since 1974. He received his B.A. (1974), M.S. (1975), and Ph.D. (1978) from the University of Missouri. He had been employed by the Missouri Department of Conservation since 1978.

Steve began his career as a fisheries research biologist, later became environmental services supervisor, and most recently was fisheries research supervisor at the Conservation Science Center in Columbia. He conducted research on a variety of topics, but was best known for his economic evaluation of fisheries and statewide surveys of anglers.

Steve understood the importance of communicating research results to his fellow scientists and to the public. He published 28 scientific and popular articles. He presented his findings at over 30 scientific meetings, including seven AFS annual meetings or symposia and a dozen state or regional conferences. Recognized as an expert in his field, he authored the chapter on socioeconomic benefits of fisheries in *Inland Fisheries Management in North America* (second edition, 1999), a best-selling AFS publication. In addition, Steve served as financial advisor to AFS.

Steve was a Certified Fisheries Scientist and a Life Member of AFS. He served on various committees of the Missouri Chapter, served two terms as chapter president, and acted as financial advisor to the chapter. He co-chaired the 1993 Midwest Fish and Wildlife Conference. Steve was the first recipient of the Missouri Chapter's A. Stephen Weithman, Jr. Leadership Award in recognition and appreciation of his outstanding leadership in protecting Missouri's aquatic resources. The chapter's proclamation stated, "His leadership efforts are notable not only for their positive outcomes but are remembered for the professional and caring manner in which they were delivered."

The Socioeconomics Section and Missouri Chapter are proud to sponsor this award in honor of Steve Weithman. To be considered for this award, interested applicants should complete the attached form and deliver it to the President of the Socioeconomics section by **May 1, 2005**.

(Nomination form on following page.)

Nomination Form

2005 A. Stephen Weithman Best Paper Award in the Field of Socioeconomics

Sponsored by the Socioeconomics Section and Missouri Chapter of American Fisheries Society

Student Name _____

Degree Sought _____

School _____

Expected Graduation Date _____

Presentation Title _____

E-mail address _____

Accepted by AFS Program Committee for Presentation as a (check one):

_____ Oral

_____ Poster

Person Submitting the Nomination for the Award (must be an AFS member):

Name _____

Mailing Address _____

Phone _____

E-mail address _____

Date Submitted _____

Please mail or fax this form by May 1, 2005 to:

John Whitehead
President, Socioeconomics Section
Department of Economics
Appalachian State University
Boone, NC 28602
Fax: (828) 262-6105

-----**Please Do Not Write Below this Line**-----

Date Received _____

Paper Number _____

**Bylaws of the
SOCIOECONOMICS SECTION
of the
AMERICAN FISHERIES SOCIETY**

**Section I
Name and Objectives**

- 1) The name of this organization shall be SOCIOECONOMICS SECTION of the American Fisheries Society, hereafter referred to as the Section, as provided for in the Bylaws of the Society.
- 2) The general objectives of the Socioeconomics section shall be those of the American Fisheries Society as set forth in the Constitution of the Society. The specific objectives of the Section shall be
 - a) To further the attainment of knowledge about fisheries economics, anthropology, sociology and related disciplines.
 - b) To provide a forum for identifying and bringing attention to bear on issues and problems relating to the social, cultural and economic aspects in the management and development of fisheries resources.
 - c) To provide a forum for addressing biological, economic, social, and environmental and other fisheries management needs.
 - d) To work for the furtherance of economics education in fishery science.
 - e) To provide advice to the Executive Director relative to fisheries social, cultural, and economic matters.
 - f) To encourage communication among all fisheries scientists, administrators, and other interested in fisheries economics, anthropology, sociology and related disciplines.
 - g) To encourage publication of issues, policies, and scientific papers dealing with fisheries economics, anthropology, sociology and related disciplines.

**Section II
Membership**

Membership in the Socioeconomics section shall be composed of Society members in good standing who apply for membership, after payment of annual dues.

**Section III
Meetings**

1. The Section shall hold at least one meeting annually at a time and place designated by the Executive Committee. Special meetings may be called by the Section president with the consent of a majority of the Executive Committee of the Section.
2. The Section shall periodically conduct marine fisheries conferences, workshops, and technical sessions. The Section may meet jointly with other organizations but will request official organizational recognition.

Section IV **Officers**

1. The officers of the Socioeconomics section shall include a president, president-elect, and secretary-treasurer. They shall serve for a period of one year or until a successor is duly elected. The president-elect shall, upon completion of his term, accede to the Presidency.
2. Officers shall be ineligible for re-election to the same office within one year of their expired terms except that the secretary-treasurer may be reelected and could serve two consecutive terms.
3. Election of officers shall be by mail ballot. The ballot will consist of two nominees in good standing for each office. Votes for write-in candidates can be cast on the official ballot. Ballots will be furnished to the membership by May 15. Ballots postmarked before July 1 shall be counted. Results of the election shall be announced by mail. Elected officers shall be installed and take office at the annual meeting of the Society.
4. In the event of a vacated position the Section Executive Committee shall, by majority vote, appoint a replacement to complete the remainder of the term.
5. Officers or appointed committee members may not receive compensation for their services. Travel expenses may be defrayed when authorized by the Executive Committee. Clerical and other necessary expenses may be paid from Section monies when so authorized by the Executive Committee.

Section V **Duties of Officers**

1. President – The president shall serve as Chairperson of the Section Executive Committee, preside at all meetings of the Section, appoint all committees and chairpersons thereof, except as they may be designated in these bylaws, and serve as ex-officio member of all committees. The president shall submit an annual report to the Executive Committee of the Society. The president also shall represent the Section on the Executive Committee of the Society, and shall make appointments and perform such duties related to the Section as the Society may deem necessary.
2. President-Elect – The president-elect shall assume the duties of the president if the president is absent, and shall insure that all functions of the Section are in compliance with the bylaws.
3. Secretary-Treasurer – The secretary-treasury shall maintain a current list of the membership, collect and be custodial to all Section funds and keep a record of all receipts and disbursements, present a semi-annual report to the Executive Committee, and an annual report to the membership. He or she shall submit a report to the Executive Director of the Society within 30 days after the annual meeting of the Section is held and at other times as requested by the Executive Committee of the Society.

Section VI
Executive Committee

1. The Executive Committee shall consist of the officers of the Section and the immediate past president.
2. The Executive Committee shall have authority to determine policies, conduct business and approve expenditures consistent with the objectives of the Section.
3. Meetings of the Executive Committee may be held whenever the president of a majority of the Committee deems it necessary. Business and voting of the Executive Committee may be conducted by mail.

Section VII
Voting and Quorum

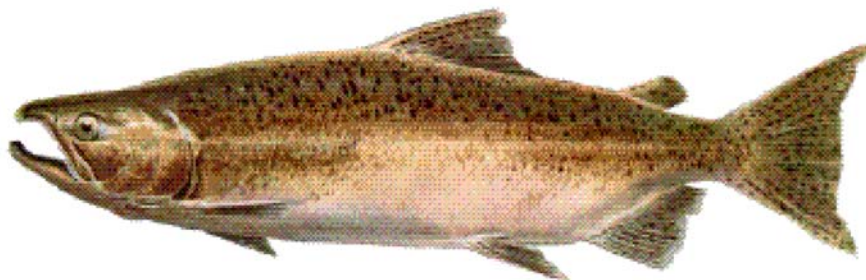
1. Decisions at meetings of the Section shall be in accord with the Constitution of the Society.
2. A quorum at an annual meeting for the transaction of official business shall consist of 10 members of the Section.

Section VIII
Fees and Assessments

The Executive Committee may assess fees as provided by the Constitution of the Society. Payment shall be made to the treasurer and deposited in the Section bank account for disbursement as determined by the Executive Committee of the Section.

Section IX
Amendments to Bylaws

The Bylaws of the Section may be amended in accordance with the Constitution and Bylaws of the Society.



– *Male chinook salmon (spawning stage)*
(Canada Department of Fisheries & Oceans Pacific Region Communications Branch)

Report on the *Investigation and Valuation of Fish and Mussel Kills* Workshop

On Saturday, August 21, 2004, the *Investigation and Valuation of Fish and Mussel Kills* Continuing Education workshop was taught at the 134th Annual Meeting of the American Fisheries Society in Madison, Wisconsin. The course instructors were Wayne Davis, George Guillen, Rob Southwick, and Dave Smith. The class was attended by 6 students; 1 federal, 4 state, and 1 Canadian employee.

Topics covered by the course included:

- Organization of an investigation
- Investigation of a fish/mussel kill
- Jurisdiction of incidents
- Small stream fish kills
- Large river/Lake fish kills
- Safety and hazardous materials during investigations
- Calculation of fish kills
- Investigation of mussel kills
- Assigning dollar values to fish/mussel kills, and
- Legal aspects of investigations.

The students interacted during all parts of the course and raised several good questions. All students evaluated the course and the instructors and those questionnaires were given to the American Fisheries Society.

The only down side to the course was the small number of students. All of the instructors felt the course went well and provided much needed information. Hopefully, if the course is offered again, participation will be greater.



Continuing Education Workshop Announcement

The AFS Socioeconomics Section is pleased to offer the one-day Continuing Education Workshop “Investigation and Valuation of Fish and Mussel Kills” for AFS Division and Chapter annual meetings. This course provides practical information regarding the investigation of fish and mussel kills in both freshwater and marine environments. New values have been developed for fish and a new investigation protocol and values have been developed for freshwater mussel kills (AFS Special Publication 30). This workshop is designed for field personnel who investigate such incidents, but will also benefit supervisors who may have to review investigations and apply the results in legal settings.

This workshop has previously been presented to over 40 students at a continuing education workshop hosted by the Arizona-New Mexico Chapter of AFS in August 2004 and at the 2004 AFS Annual Meeting in Madison. The instructors are Wayne Davis (Kentucky Department of Fish and Wildlife Resources) and Rob Southwick (Southwick Associates). An outline of the workshop is shown below.

The Socioeconomics Section is sponsoring the workshop by providing honoraria to the instructors. The Section asks only that Divisions and Chapters fund any reasonable travel expenses incurred by Wayne and Rob.

If you are interested and would like more information about the workshop please contact:

John Whitehead
President, AFS Socioeconomics Section
e-mail: whiteheadjc@appstate.edu

FISH/MUSSEL KILL INVESTIGATION CONTINUING EDUCATION COURSE **Wayne L. Davis and Rob Southwick**

Welcome and overview of course

1. Organization of fish kill investigation (SOP Manual)
 - a. Notification
 - b. Coordination (state/federal/local)
 - c. Equipment needed

2. Investigation of fish kill
 - Determining potential causes
 - Determining responsible party
 - Notification of responsible party
 - Coordination with other agencies
 - Photo documentation of investigation

3. Jurisdiction of fish kills
 - Multi-agency
 - Multi-state
 - State vs. federal
 - Endangered species

4. Small stream fish kills
 - Beginning and ending of fish kill
 - How much to count
 - Sub-samples
 - Access
 - Data collection
 - Special circumstances
 5. Large river/Lake fish kills
 6. Hazardous materials/safety in fish kills
 - Basic safety precautions
 - Hazardous material awareness
 - Incident command center
 7. Calculation of fish kills
 - Hand calculations
 - Computer programs
 8. Investigation of other aquatic resource kills
 - Mussel kills
 - Other invertebrates
 9. Assigning dollar values to fish kills (Rob Southwick, Southwick and Assoc.)
 - Replacement Costs
 - Recreational and existence values
 10. Legal Aspects of Fish Kills
 - Evidence gathering
 - Chain of Command
 - Criminal vs. Civil liabilities
 - NRDA
 11. Case Studies (If time allows)
 - Kentucky River Whiskey Kill
 - Martin County Coal Slurry Spill
 13. Wrap up
-



– *Female chinook salmon (spawning stage)*
(Canada Department of Fisheries & Oceans Pacific Region Communications Branch)

Proposal for Economic Growth Resource Policy Statement (from the AFS Water Quality Section)

The Water Quality Section has begun developing a paper for the Resource Policy Committee to elevate the issue on the relationship of an economic focus on "growth" on fish conservation and a recommendation to focus on the sustainability of a steady state economy as a more viable alternative. A committee is working on the draft issue paper now, and we will be sending it to the membership with our newsletter for a vote on sponsorship of elevating the issue to the RPC.

The Section's committee for this is headed by Brian Czech, President of the Center for the Advancement of the Steady State Economy and a Conservation Biologist with the federal government. His organization advocates a steady state economy as a sustainable alternative to economic growth. He has been working with the North American Section of the Society for Conservation Biology, The Wildlife Society, and the Ecological Society of America, all of whom have been considering adopting positions on economic growth. He and the committee are working on a draft issue paper for us to send out to our Section membership in our autumn/winter newsletter for approval before we elevate the issue to the RPC.

The Water Quality Section is hoping to have the opportunity to work with the Socioeconomics Section on this important issue.

Editor's note: See the related opinion piece in the August 2004 issue of *Fisheries: Fish Conservation, Sustainable Fisheries, and Economic Growth: No More Fish Stories*, available online at <http://www.fisheries.org/html/fisheries/F2908/F2908p36-37.pdf>.

AFS Socioeconomics Section **Annual Meeting, Madison, WI; August 22, 2004**

Draft Minutes

In the unavoidable absence of President John Whitehead, Secretary/Treasurer Peter Fricke presided over the meeting.

1. Call to order: The meeting was called to order at 1:10 pm. Since only four members and two guests were present there was not a quorum to conduct business and the meeting was informational only. It was agreed that the agenda published by President Whitehead on the Section's website and in the newsletter would be followed.
2. Minutes: These had been published in the Section's Fall, 2003 newsletter.

[AFS President Ira Adelman joined the meeting]

3. Treasurer's report: The Treasurer reported that the Section's bank account had a current balance of \$8,322.45 on July 31, 2004. This was a net increase of \$595.41 from the fiscal year's opening balance on August 1, 2003. Income was \$1,052.31 during the year and expenditures were \$456.90. It was noted that the annual meeting in 2003 had agreed to fund travel expenses for workshop leaders at the 2004 meeting, and that some of these charges had not yet been submitted. It was also noted that the funds (\$150) for the 2004 Weithman Award had not been disbursed.

4. Reports:

- Fish Kill Valuation workshop: Rob Southwick reported on the workshop sponsored by the Section and held at this meeting on August 21. He reported there were six attendees, and that it had been a very dynamic and vigorous workshop surpassing his expectations. Workshop presenters were Wayne Davis, George Guillen and himself from the Section, and David Smith (USGS) who tackled the valuation of mollusks. AFS Publication 30 [the Section's new and revised "Investigation and Valuation of Fish Kills" publication] and the presentations recommended "user values" as the principal method of assessment. Rob noted that he was disappointed with the attendance at the workshop and questioned whether the Annual Meeting was the best venue. He reported that he had given the same workshop at the request of the AFS New Mexico/Arizona Chapter the previous week and 30 chapter members had attended. He suggested that future workshops be directed to local chapters and regional division meetings.
 - Symposium: "Socioeconomics and extension: Empowering people in fisheries conservation". Herb Holloway reported that plans for the symposium on August 25 were on track, and that a full day of presentations was planned. The symposium was jointly sponsored by the Section and the Sea Grant Marine Extension Programs.
 - Newsletter: Herb Holloway reported that the Section's newsletter was now distributed electronically and that regular e-mailings of news and announcements were made to the Sections. He noted that Section President Whitehead had re-vamped the Section's web-site and news and announcements were also posted there. Herb was thanked for his efforts by the meeting, and for his care in updating the mailing lists.
5. Weithman Award: There was only one candidate in 2004 for the award. The meeting discussed ways to attract more candidates and whether or not to change eligibility requirements. It was agreed that there was a need to ensure that students and instructors knew of the Award and that the Section should vigorously advertise the Award within AFS and to groups such as IIFET and SfAA. It was suggested by President Adelman that e-mail lists of AFS members and students be obtained from Carolina at the AFS HQ, and that a letter/announcement be sent.
6. AFS 2005: The 2005 Annual Meeting of the AFS and of the Section will be in Anchorage, AK, September 11-15, 2005. It was noted that this was likely to be one of the more popular meetings of AFS, and that the Program Chairs had already received 27 draft proposals for symposia. The theme of the meeting is "Creating a fisheries mosaic: Connections across jurisdictions, disciplines and cultures." It was agreed that the Section should sponsor and co-sponsor as many symposia as possible. The group suggested the following possible symposia:
- Social and economic impacts of the State of Alaska's ban on salmon aquaculture within the State.
 - Identifying and valuing the economic and cultural effects of recreational fishing on coastal communities
 - Social and economic impacts of protecting marine mammals on recreational and commercial fishing activities
 - Marine Protected Areas: Their economic and cultural values for recreational and commercial fishermen and coastal communities
 - The nature and scale of subsistence harvesting on household cultural values and economies
 - The economic and social impacts of processor IFQs and harvester IFQs on rural fishing communities
 - The social and economic effects on US fisheries and fishing communities of tariffs imposed on fish and fish product imports to the US
 - The economic and cultural utility of vessel and/or license buyouts to reduce capacity in commercial fisheries
7. 2005-2006 Section Officers: John Whitehead and Peter Fricke would both like replacements to be elected at the 2005 Annual Meeting. The most pressing need is for a president-elect to be installed this year to ensure a smooth transition of the presidency of the section.
8. Future of the Section: There was a lively discussion of the future of the Section. It was noted that there are now, in contrast to 1983 when the Section was formed, many opportunities for social scientists working on

fishery issues to publish and present papers in fora other than AFS. It was agreed that the key role of the Section remained intact: “To be the facilitator and venue for communication and discussion of fisheries social science issues within AFS and with fishery professionals.” It was agreed that there was a continuing and expanding need to communicate social science information and findings to fishery managers. AFS President Adelman noted that the work of the Section and its importance was reflected in the social science papers embedded in nearly every AFS symposium. He considered the Section to be the source of social science expertise to the Society, and would hope that the role could be developed through, for example, publication of white papers on policy issues. The group present agreed that the key issue for the Section was to make its role in AFS attractive to social scientists and that would involve the development of projects and a forum for active discussion and information exchange. Rob Southwick and Herb Holloway proposed that the Section hold a joint meeting with the human dimensions group in the Fishery Management Section.

9. Other business: It was noted that there was a symposium on steady state economics at this AFS meeting, and a proposal that AFS endorse a policy statement that “steady state economics was the key to sustainable ecosystems and societies” was to be submitted to the Water Quality Section on August 21.

10. Adjournment: There being no other business, the meeting adjourned at 2:35 pm.

The next Annual Meeting of the AFS Socioeconomics Section will be in Anchorage, AK, on September 11, 2005.

Respectfully submitted,

Peter Fricke
Secretary/Treasurer



— *Red drum*
(USFWS/Duane Raver)

**AFS Socioeconomic Section
Treasurer's Report for 2003/2004**

Opening balance: August 1, 2003 **\$7,727.04**

Income

| | | |
|--|-----------------|-----------|
| Membership dues received from AFS ¹ | \$830.00 | |
| Transfer from Missouri Chapter ² | \$ 75.00 | |
| Transfer from Conservancy ³ | \$ 79.18 | |
| Bank account interest | <u>\$ 58.13</u> | |
| Sub-total | | \$1052.31 |

Expenses

| | | |
|--|-----------------|------------------|
| Postage | \$111.00 | |
| Travel expenses for Workshop speakers ⁴ | <u>\$345.90</u> | |
| Sub-total | | <u>\$ 456.90</u> |

Income less expenses **\$ 595.41**

Closing balance: July 31, 2004 **\$8,322.45**

Respectfully submitted to the Section's Annual Meeting in Madison, WI on 8/22/2004.

Peter Fricke
Secretary-Treasurer

¹ The Spring 2003 membership dues were received in September, 2003; Fall 2003 dues and Spring 2004 dues were received in November, 2003 and May, 2004, respectively.

² This transfer was for the 2004 Meeting Socioeconomic Paper Award.

³ For postage costs of joint mailing with the Ocean Conservancy.

⁴ Per resolution at the Section's Annual Meeting in Quebec City, 2003